



TRUCK & AUTO PARTS  
Since 1983

OVER  
**40**  
YEARS

KEEPING YOU MOVING  
SINCE 1983



# COMMERCIAL VEHICLES

Comprehensive Catalog

**HD**

**2025**  
CHDD109



# WHO WE ARE



**TRUCK & AUTO PARTS**  
Since 1983

**Miami, FL USA**  
Headquarters 60.000 Sq. ft.

SAP USA Truck & Auto Parts is a private business which opened in 1983. With four decades in the market, our experience in the trucking and automotive industries combined with our strong network of partners has allowed us to quickly respond to the rapidly changing needs of our customers. We are a private label manufacturer and distributor of aftermarket and OEM heavy duty and medium duty parts (full coverage from class 1 - 8), with an emphasis on trucks manufactured in the United States of America & Japanese Trucks.

Our headquarters is located in Miami, FL, with additional warehouse and parts distribution centers or PDCs in Colombia, Mexico, & China.

In addition to the domestic USA market, we distribute private label and OEM brands across more than 43 countries.

Our customers grow and sell more parts because we provide what they need, exactly when, and where they need them.

**Access to 500,000+ SKUs**  
Special Ordering

**100**  
Team Members Globally

**24/7**  
Online Ordering

**5 Private Labels**  
**6000+ SKUs Available**

**9**  
**Distribution Centers**  
in USA, Colombia, Mexico & China

**12 Months\***  
Warranty  
(Exclusive Brands)  
\*Terms & Conditions Apply

**99.8%**  
Customer Satisfaction

Sell to Over  
**43 Countries**

**2**  
**Free Trade Zones**  
Miami, USA & Cartagena, Colombia

Specialized in  
**American & Japanese Trucks**

Bilingual Team  
**English & Spanish**

Extensive Supply Experience in  
**15 Countries Including USA**

**IF YOUR OBJECTIVE IS TO GROW YOUR PARTS BUSINESS AND SELL MORE YOU SHOULD CONSIDER WORKING WITH SAP USA TRUCK & AUTO PARTS.**

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# OUR EXCLUSIVE BRANDS PRODUCTS



PASSENGER VEHICLES



COMMERCIAL VEHICLES



TRUCK & AUTO PARTS  
Since 1983

## HEAVY DUTY TRUCK & TRAILER DIVISION

- Air Brake Components
- Air Brake Compressors
- Air Brake Tubing & Hoses
- Air Disc Brake Pads & Rotors
- Brake Drums
- Brake Shoes
- Heavy & Medium Duty Clutches
- Sensors & Switches
- RTV Silicone / Threadlocker
- Trailer Components
- Wheel End Components

## FUEL PUMP DIVISION

- Fuel Pumps
- Filters
- Modules

## HYDRAULIC CLUTCH DIVISION

- Actuators
- Master & Slave Cylinders



## SUSPENSION & STEERING DIVISION

- Air Springs
- King Bolt Sets
- Power Steering Pumps
- Shock Absorbers
- Suspension Bushings
- Tie Rod Ends



## DRIVELINE DIVISION

- Universal Joints
- Center Support Bearings



## ELECTRICAL DIVISION

- Alternators
- Ignition Coils
- Starters
- Components
- Electrical Tape



## COOLING DIVISION

- Water Pumps
- Antifreeze & Coolant

For more information about our products contact us at:  
**+1.305.594.2844 | [info@sapcorp.net](mailto:info@sapcorp.net) | [sapcorp.net](http://sapcorp.net)**



**TRUCK & AUTO PARTS**  
*Since 1983*



# **AIR BRAKE**



TRUCK & AUTO PARTS  
Since 1983

# AIR DISC BRAKE SYSTEM

NEW PRODUCTS



**Air Disc Brake Rotors**



**Air Disc Brake Chambers**



**Air Disc Brake Pads**

Available in Bendix®, Haldex, Meritor®, Wabco® **Styles**

For more information, please contact your sales representative

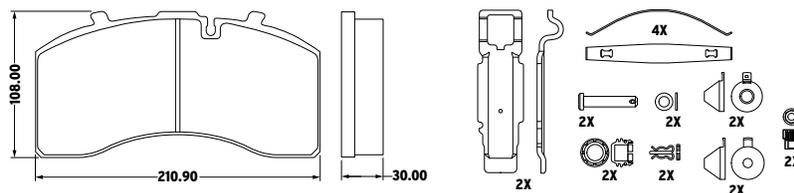
## BENDIX® STYLE

### ADB PAD **SAP-BPD1369**

**Brake MFR & System**

Air Disc Brake Pad Set for Caliper Bendix® ADB22X, ADB22X-LT, Knorr SK7 / FMSI D1369

**Replaces** 8479-D1369, K070796, WVA29158

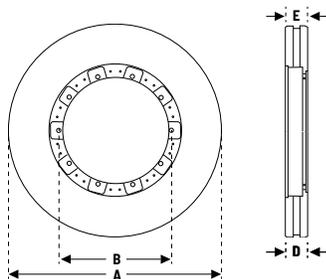


### ADB ROTOR **SAP-BR802569HD**

**Brake MFR & System**

Air Disc Brake Rotor (Splined Type) for Caliper Bendix® ADB22X®, ADB22X®-LT

**Replaces** 802569, K012739, 10025445



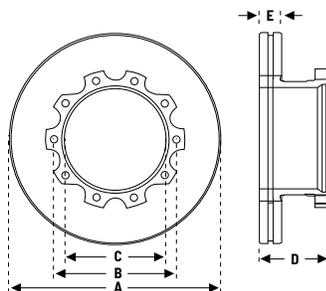
**A** Diameter 430 mm / 16.93 in  
**B** Bolt Circle 230 mm / 9.06 in  
**C** Pilot 217 mm / 8.54 in  
**D** Height 45 mm / 1.77 in  
**E** Thickness 45 mm / 1.77 in  
 Min Thickness 37 mm / 1.46 in  
 Bolt Holes 10  
 Bolt Hole Size M8.5 x 1.25

### ADB ROTOR **SAP-BRK038573HD**

**Brake MFR & System**

Air Disc Brake Rotor (U-Shaped Type) for Caliper Bendix® ADB22X®, ADB22X®-LT

**Replaces** 802081, K038573, M44D76618



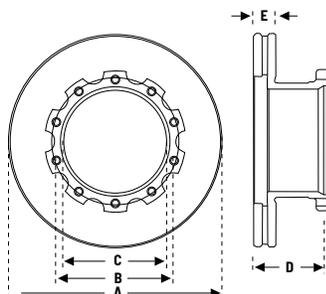
**A** Diameter 430 mm / 16.93 in  
**B** Bolt Circle 249.5 mm / 9.82 in  
**C** Pilot 220 mm / 8.66 in  
**D** Height 138.2 mm / 5.44 in  
**E** Thickness 45 mm / 1.77 in  
 Min Thickness 37 mm / 1.46 in  
 Bolt Holes 10  
 Bolt Hole Size 5/8 x 11

### ADB ROTOR **SAP-BRK038574HD**

**Brake MFR & System**

Air Disc Brake Rotor (U-Shaped Type) for Caliper Bendix® ADB22X®, ADB22X®-LT

**Replaces** 802082, K038574, 10041006



**A** Diameter 430 mm / 16.93 in  
**B** Bolt Circle 249.5 mm / 9.82 in  
**C** Pilot 220 mm / 8.66 in  
**D** Height 150 mm / 5.91 in  
**E** Thickness 45 mm / 1.77 in  
 Min Thickness 37 mm / 1.46 in  
 Bolt Holes 10  
 Bolt Hole Size 5/8 x 11

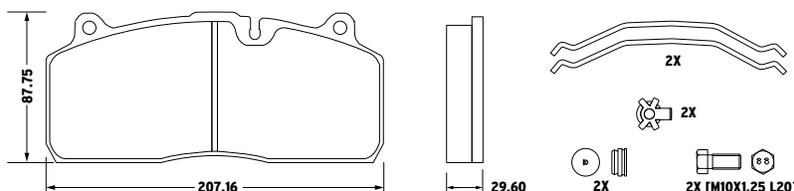
## HALDEX® STYLE

### ADB PAD **SAP-BPD1583**

**Brake MFR & System**

Air Disc Brake Pad Set for Caliper Haldex® DBT22LT, DB22LT / FMSI D1583

**Replaces** 8795-D1583, 790-22040, S-30560-8



\*S0: Special Order Item. Please contact your sales representative for more information of how to order this item.  
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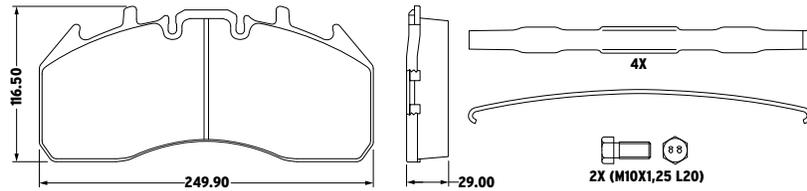
## MERITOR® STYLE

### ADB PAD SAP-BPD1311

**Brake MFR & System**

Air Disc Brake Pad Set for Caliper Meritor® EX225 H2 / FMSI D1311

**Replaces** 8426-D1311, 3222F2476, WVA29187

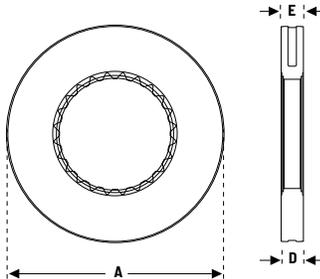


### ADB ROTOR SAP-BRM44D76690HD

**Brake MFR & System**

Air Disc Brake Rotor (Splined Type) for Caliper Meritor® EX225H2

**Replaces** M44D76690, 20428193, 85103803



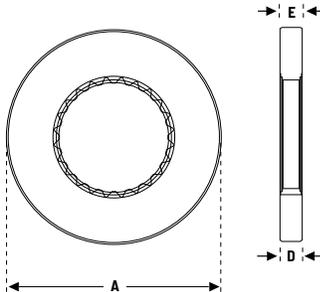
- A** Diameter 434 mm / 17.09 in
- B** Bolt Circle mm / in
- C** Pilot mm / in
- D** Height 45 mm / 1.77 in
- E** Thickness 45 mm / 1.77 in
- Min Thickness 41 mm / 1.61 in
- Bolt Holes
- Bolt Hole Size

### ADB ROTOR SAP-BRM44D76691HD

**Brake MFR & System**

Air Disc Brake Rotor (Splined Type) for Caliper Meritor® EX225H2

**Replaces** M44D76691, 3092710, 8551042



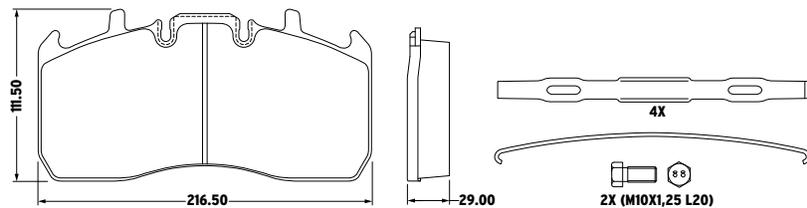
- A** Diameter 434 mm / 17.09 in
- B** Bolt Circle mm / in
- C** Pilot mm / in
- D** Height 45 mm / 1.77 in
- E** Thickness 45 mm / 1.77 in
- Min Thickness 40 mm / 1.57 in
- Bolt Holes
- Bolt Hole Size

### ADB PAD SAP-BPD1370

**Brake MFR & System**

Air Disc Brake Pad Set for Caliper Meritor® EX225 L2 / FMSI D1370

**Replaces** 8480-D1370, 2252 L2 CD, WVA29189

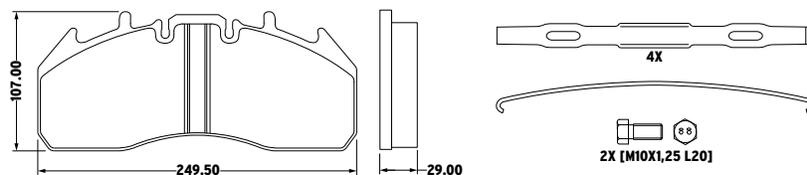


### ADB PAD SAP-BPD1708

**Brake MFR & System**

Air Disc Brake Pad Set for Caliper Meritor® Elsa 225-3 / FMSI D1708

**Replaces** 8931-D1708, 5001864363, WVA29174



\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.

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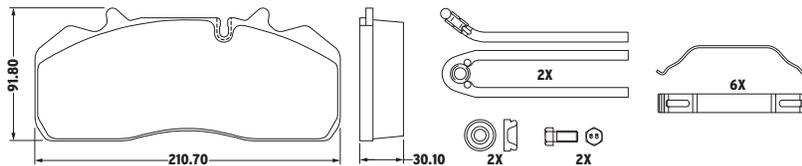
## WABCO® STYLE

### ADB PAD **SAP-BPD1438**

**Brake MFR & System**

Air Disc Brake Pad Set for Caliper Wabco® PAN19-1 / FMSI D1438

**Replaces** 8556-D1438, WVA29313, 12999737VT

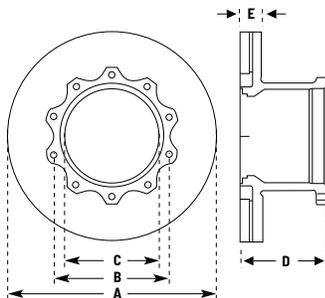


### ADB ROTOR **SAP-BRM44D71601HD**

**Brake MFR & System**

Air Disc Brake Rotor (U-Shaped Type) for Caliper Wabco® Pan19

**Replaces** M44D71601, S-33389-1, CT832



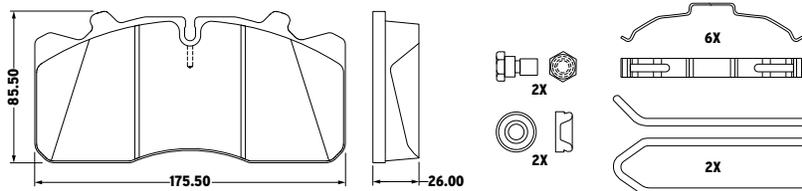
<b>A</b> Diameter	377.5 mm / 14.86 in
<b>B</b> Bolt Circle	249.5 mm / 9.82 in
<b>C</b> Pilot	220 mm / 8.66 in
<b>D</b> Height	150 mm / 5.91 in
<b>E</b> Thickness	45 mm / 1.77 in
Min Thickness	39 mm / 1.54 in
Bolt Holes	10
Bolt Hole Size	M16 x 2

### ADB PAD **SAP-BPD1518**

**Brake MFR & System**

Air Disc Brake Pad Set for Caliper Wabco® PAN17 / FMSI D1518

**Replaces** 8727-D1518, S-36837-1, MPBD1518XT

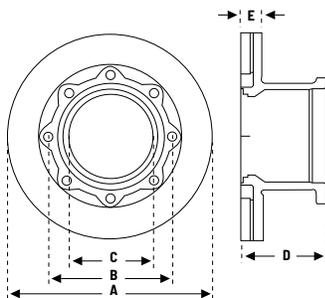


### ADB ROTOR **SAP-BRM44D75180HD**

**Brake MFR & System**

Air Disc Brake Rotor (U-Shaped Type w/Round Bolt Flange) for Caliper Wabco® Pan17

**Replaces** M44D75180, S-33391, CT826



<b>A</b> Diameter	325 mm / 12.8 in
<b>B</b> Bolt Circle	196 mm / 7.72 in
<b>C</b> Pilot	173 mm / 6.81 in
<b>D</b> Height	148.5 mm / 5.85 in
<b>E</b> Thickness	34 mm / 1.34 in
Min Thickness	28.3 mm / 1.11 in
Bolt Holes	8
Bolt Hole Size	M14 x 2

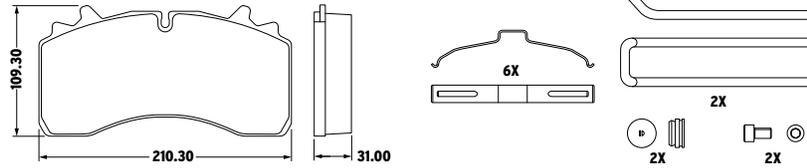
## WABCO® STYLE

### ADB PAD SAP-BPD1777-1

**Brake MFR & System**

Air Disc Brake Pad Set for Caliper Wabco® Hendrickson® MAXX22T / FMSI D1777

**Replaces** 9007-D1777, S-35303-1, WVA29162

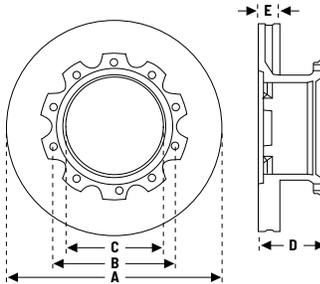


### ADB ROTOR SAP-BRM44D76613HD

**Brake MFR & System**

Air Disc Brake Rotor (U-Shaped Type) for Caliper Wabco® Pan22

**Replaces** M44D76613, CT807, 55032PK-65



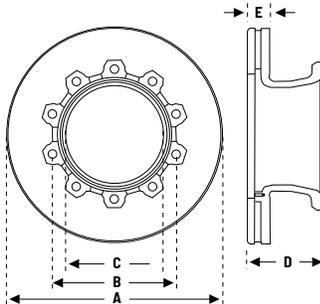
<b>A</b> Diameter	430 mm / 16.93 in
<b>B</b> Bolt Circle	249.5 mm / 9.82 in
<b>C</b> Pilot	220 mm / 8.66 in
<b>D</b> Height	150.1 mm / 5.91 in
<b>E</b> Thickness	45 mm / 1.77 in
Min Thickness	37 mm / 1.46 in
Bolt Holes	10
Bolt Hole Size	M16 x 2

### ADB ROTOR SAP-BRS38765HD

**Brake MFR & System**

Air Disc Brake Rotor (U-Shaped Type) for Caliper Wabco® MAXX22T

**Replaces** S-38765, S-34471, 6629056112



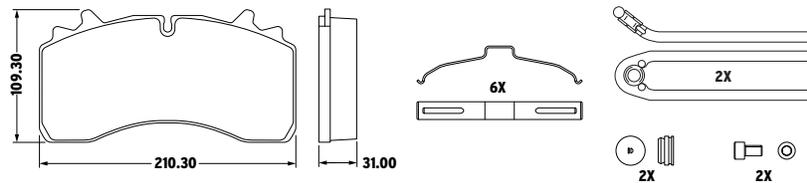
<b>A</b> Diameter	415 mm / 16.34 in
<b>B</b> Bolt Circle	250 mm / 9.84 in
<b>C</b> Pilot	219.8 mm / 8.65 in
<b>D</b> Height	150 mm / 5.91 in
<b>E</b> Thickness	43 mm / 1.69 in
Min Thickness	37 mm / 1.46 in
Bolt Holes	10
Bolt Hole Size	M16 x 2

### ADB PAD SAP-BPD1777-2

**Brake MFR & System**

Air Disc Brake Pad Set for Caliper Wabco® PAN22-1 / FMSI D1777

**Replaces** 9007-D1777, S-32676-1, WVA29162

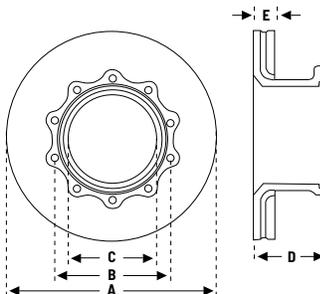


### ADB ROTOR SAP-BRS38764HD

**Brake MFR & System**

Air Disc Brake Rotor (U-Shaped Type) for Caliper Wabco® Pan22, Haldex® DB22LT

**Replaces** S-38764, S-34172



<b>A</b> Diameter	430 mm / 16.93 in
<b>B</b> Bolt Circle	249.5 mm / 9.82 in
<b>C</b> Pilot	220 mm / 8.66 in
<b>D</b> Height	150 mm / 5.91 in
<b>E</b> Thickness	45 mm / 1.77 in
Min Thickness	37 mm / 1.46 in
Bolt Holes	10
Bolt Hole Size	M16 x 2

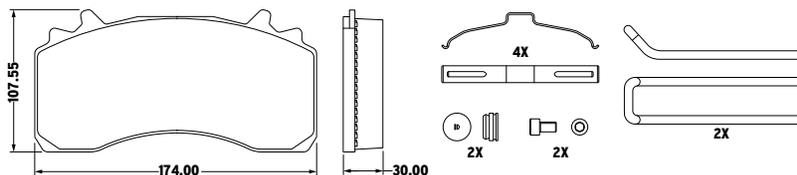
## WABCO® STYLE

### ADB PAD SAP-BPD2061

#### Brake MFR & System

Air Disc Brake Pad Set for Caliper Wabco® MAXXUS, MAXX22 / FMSI D2061

Replaces 9294-D2061, 640 322 934 2,



## AIR DISC BRAKE CHAMBERS

PART No	TYPE	STROKE	PORT SIZE	MOUNTING BOLD THREAD (in.)	MOUNTING BOLD LENGTH (in.)	REPLACES
SAP-AD1624	16/24	Standard 2.25" (57mm)	3/8-18 NPTF	M16 X 1.5	1.71	Bendix K042457
SAP-AD1824	18/24	Standard 2.25" (57mm)	3/8-18 NPTF	M16 X 1.5	1.71	Bendix K043329
SAP-AD2024	20/24	Standard 2.50" (63mm)	3/8-18 NPTF	M16 X 1.5	1.71	Bendix K041960
SAP-AD2424	24/24	Standard 2.50" (63mm)	3/8-18 NPTF	M16 X 1.5	1.71	Bendix K043270

## AIR DISC BRAKE CHAMBERS / EUROPEAN

PART No	TYPE	STROKE	PORT SIZE	MOUNTING BOLD THREAD (in.)	MOUNTING BOLD LENGTH (in.)	REPLACES
SAP-AD1624E	16/24	Standard 2.25" (57mm)	M16 X 1.5	M16 X 1.5	1.71	
SAP-AD1824E	18/24	Standard 2.25" (57mm)	M16 X 1.5	M16 X 1.5	1.71	
SAP-AD2024E	20/24	Standard 2.50" (63mm)	M16 X 1.5	M16 X 1.5	1.71	
SAP-AD2424E	24/24	Standard 2.50" (63mm)	M16 X 1.5	M16 X 1.5	1.71	
SAP-K004030	20/24	Standard 2.25" (57mm)	M22 X 1.5	M16 X 1.5	1.496 (38mm)	Knorr Bremse K004030
SAP8500L	24/30	Standard 2.50" (64mm)	M22 X 1.5	M16 X 1.5	1.496 (38mm)	Knorr Bremse BS85000



## AIR DISC SERVICE BRAKE CHAMBERS

PART No	TYPE	STROKE	PORT SIZE	MOUNTING BOLD THREAD (in.)	MOUNTING BOLD LENGTH (in.)	REPLACES
SAP-AD16	16	Standard 2.25" (57mm)	3/8-18 NPTF	M16 X 1.5	1.71	Bendix K028226
SAP-AD18	18	Standard 2.50" (63mm)	3/8-18 NPTF	M16 X 1.5	1.71	Bendix K028022
SAP-AD20	20	Standard 2.50" (63mm)	3/8-18 NPTF	M16 X 1.5	1.71	Bendix K028225
SAP-AD24 <sup>SO</sup>	24	Standard 2.50" (63mm)	3/8-18 NPTF	M16 X 1.5	1.71	Bendix K028252

## AIR DISC SERVICE BRAKE CHAMBERS / EUROPEAN

PART No	TYPE	STROKE	PORT SIZE	MOUNTING BOLD THREAD (in.)	MOUNTING BOLD LENGTH (in.)	REPLACES
SAP-AD16E	16	Standard 2.25" (57mm)	M16 X 1.5	M16 X 1.5	1.71	
SAP-AD18E	18	Standard 2.50" (63mm)	M16 X 1.5	M16 X 1.5	1.71	
SAP-AD20E	20	Standard 2.50" (63mm)	M16 X 1.5	M16 X 1.5	1.71	
SAP-AD24E	24	Standard 2.50" (63mm)	M16 X 1.5	M16 X 1.5	1.71	

<sup>SO</sup>: Special Order Item. Please contact your sales representative for more information of how to order this item.

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# WHY CHOOSE SAP USA AIR BRAKE CHAMBERS?

## FEATURES AND BENEFITS

1



They feature a backing plate made with reinforced welding on the mounting bolts for greater durability.

2



The clamps have a double-lip design to ensure optimal sealing, safety, and to prevent deformation.

3



**A.** Housing made from injected **105 aluminum** to eliminate porosity and internal stresses in the material.

**B.** Marked with four internal guides to keep the push rod spring centered.

**C.** Push rod piston coated with chrome to improve the contact surface between the seal and the piston.

**D.** Electrostatic paint used on the spring to reduce oxidation, allowing a service life up to 4 times longer than chambers from other manufacturers.

4



Its spiral-shaped spring ensures quick and effective return

5



Our diaphragms have a minimum service life of **1 million cycles**, using high-quality materials to ensure perfect shape and functionality due to their unique internal fabric design.

6



The emergency (parking) spring housing cover comes with a deep groove, ensuring that the spring is correctly centered.

7

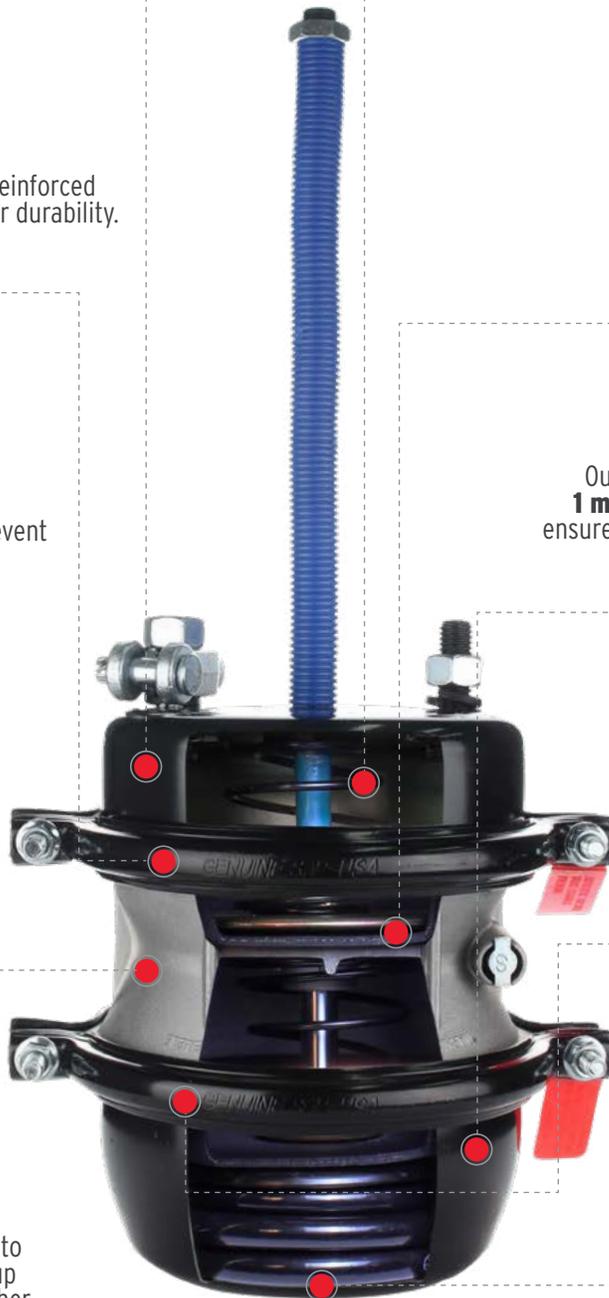


All components of our chambers are marked with the SAP USA logo.

8



Electrostatic paint provides greater corrosion protection during the stamping and welding process, offering a service life up to 4 times longer than chambers from other manufacturers.



SPRING BRAKE CHAMBERS				
PART No	TYPE	STROKE	DESCRIPTION	
 <b>3030L</b>	<b>1624LN</b>	16/24	Standard	Applies to Isuzu NPR & European Medium Light Duty Trucks Repairable - w/Clevis Assembly
	<b>2024L</b>	20/24	Standard	Repairable - w/Clevis Assembly
	<b>2024LA</b>	20/24	Standard	Applies to Agrale - Repairable - w/Clevis Assembly
	<b>2024LJ</b> <sup>SO</sup>	20/24	Standard	Applies to JAC - Repairable - w/Clevis Assembly
	<b>2024LN</b>	20/24	Standard	Applies to Isuzu NPR - Repairable - w/Clevis Assembly
	<b>2424L</b>	24/24	Standard	Repairable - w/Clevis Assembly
 <b>SAP8568L</b>	<b>2430L</b>	24/30	Standard	Repairable - w/Clevis Assembly
	<b>3030L</b>	30/30	Standard	Repairable - w/Clevis Assembly
	<b>3030LS</b>	30/30	Standard	Permanent Sealed - w/Clevis Assembly
	<b>3030LSI</b>	30/30	Standard	Permanent Sealed - w/Clevis Assembly SAPZ3000 Clevis Specially for Automatic Slack Adjusters
	<b>3030XLS</b>	30/30	Long	Permanent Sealed - w/Clevis Assembly - Bendix 802541
	<b>3636L</b>	36/36	Standard	Permanent Sealed - w/Clevis Assembly
 <b>SAP8692R</b>	<b>SAP8568L</b>	24	-	Front Brake Chamber For Isuzu FTR FVR CYZ Forward 6HK1
	<b>SAP8692R</b>		-	Right Side Brake Chamber Double For Isuzu FVR,CYZ,CXZ,EXZ 6WF1-TC,6WAI-TC,6WG1-TC,10PE1 (Euro III)
	<b>SAP8682L</b>		-	Left Side Brake Chamber Double For Isuzu FVR,CYZ,CXZ,EXZ 6WF1-TC,6WAI-TC,6WG1-TC,10PE1 (Euro III)

SERVICE BRAKE CHAMBERS				
PART No	TYPE	DESCRIPTION		REPLACES
 <b>SAP1012L</b>	12	w/Clevis Assembly		Bendix 5007117N
<b>SAP1016L</b>	16	w/Clevis Assembly		Bendix 5007118N
<b>SAP1020L</b>	20	w/Clevis Assembly		Bendix 800824
<b>SAP1024L</b>	24	w/Clevis Assembly		Bendix 800825
<b>SAP1030L</b>	30	w/Clevis Assembly		Bendix 5007121N

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## CLAMP ASSEMBLY



PART No	TYPE	REPLACES
SAP12011L	12	
SAP20011L <sup>SO</sup>	20	
SAP24011L	24	Bendix 800909
SAP30011L	30	Bendix 800910

## CLEVIS ASSEMBLY



PART No	THREAD (in.)	PIN DIA. (in.)	REPLACES
SAP30242L Superseded SAP30243L	5/8"	1/2"	Bendix 228790N
SAP30248L <b>NEW</b>	5/8"	5/8"	Bendix 228798N

### SAPZ3000



Clevis Assembly 5/8"-18 Straight for 3030LSI & Automatic Slack Adjusters

## BRAKE CHAMBER COMPONENTS

SAP30241L	SAP30501L	SAP90012L
Release Stud Assembly Type 30 For 2424L & 3030L	Adapter Housing Assembly Type 30 For 3030L	Nut and Bolt for Clamp Assembly For All Types <sup>SO</sup>

<sup>SO</sup>: Special Order Item. Please contact your sales representative for more information of how to order this item.

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## RETURN SPRINGS

EMERGENCY		SERVICE	
			
PART No	TYPE	PART No	TYPE
SAPR24L	24	SAP24424L	24
SAPR30L	30	SAP30003L <sup>SO</sup>	30

## DIAPHRAGMS

			
PART No	DIAMETER	NOMINAL DIAMETER	REPLACES BENDIX
TYPE9L	5"	5"	234433
TYPE12L	5 1/2"	5 1/2"	234226
TYPE16L	6 3/16"	6"	234189
TYPE20L	6 5/8"	6 1/2"	234099
TYPE24L	7"	7"	234100
TYPE30L	7 7/8"	8"	234101
TYPE36L	8 11/16"	9"	234362

EUROPEAN DIAPHRAGM		
		
PART No	DIAMETER (mm.)	DEPTH (mm.)
TYPE20LDP <sup>SO</sup>	168mm	33mm

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## AUTOMATIC SLACK ADJUSTERS

STYLE	PART No	SPLINE DIA.	SPLINES	LENGTH	ARM (ARM HOLE)	CLEVIS THREAD (& BRACKET STYLE)	REPLACES	
	<b>GUNITE</b>	<b>SAP-AS1132</b>	1 1/2"	10	5.5"	Straight	1/2-20" 5/8-18"	Gunite AS1132
	<b>SAP-AS1133</b>	1 1/2"	10	6"	Straight	5/8-18"	Gunite AS1133	
	<b>SAP-AS1140</b>	1 1/2"	28	5.5"	Straight	1/2-20" 5/8-18"	Gunite AS1140	
	<b>SAP-AS1141</b>	1 1/2"	28	6"	Straight	5/8-18"	Gunite AS1141	
	<b>MERITOR</b>	<b>SAP-R801041</b>	1 1/2"	10	5.5"	Straight	1/2-20" 5/8-18"	Meritor R801041
	<b>SAP-R801042</b>	1 1/2"	10	6"	Straight	5/8-18"	Meritor R801042	
	<b>SAP-R801073</b>	1 1/2"	28	5.5"	Straight	5/8-18"	Meritor R801073	
	<b>SAP-R801074</b>	1 1/2"	28	6"	Straight	5/8-18"	Meritor R801074	
	<b>BENDIX</b>	<b>SAP65166A</b>	1 1/4"	24	5"	5/8" Offset	1/2"-20	Bendix 65166
	<b>SAP65170A</b>	1 1/2"	10	5.5"	Straight	1/2-20" 5/8-18"	Bendix 65170	
	<b>SAP65172A</b>	1 1/2"	10	6"	Straight	5/8-18"	Bendix 65172	
	<b>SAP65174A</b>	1 1/2"	28	5.5"	Straight	5/8-18"	Bendix 65174	
	<b>SAP65176A</b>	1 1/2"	28	6"	Straight	5/8-18"	Bendix 65176	
 <p><b>* Includes Bracket Kit (HalDEX Type Only)</b></p>	<b>HALDEX</b>	<b>SAP10140</b>	1 1/2"	28	5" 6"	34° (5/8")	Bracket Strap	HalDEX 40010140
	<b>SAP10141</b>	1 1/2"	28	5.5" 6.5"	34° (5/8")	Bracket Strap	HalDEX 40010141	
	<b>SAP10142</b>	1 1/2"	10	5" 6"	34° (5/8")	Bracket Strap	HalDEX 40010142	
	<b>SAP10143</b>	1 1/2"	10	5.5" 6.5"	34° (5/8")	Bracket Strap	HalDEX 40010143	
	<b>SAP10155</b> <b>NEW</b>	1 1/2"	10	5.5"	Straight (5/8")	Bracket Plate & Flat Stud	HalDEX 40010155	
	<b>SAP10211</b>	1 1/2"	28	5.5"	Straight (1/2")	Bracket Plate & Flat Stud	HalDEX 40010211	
	<b>SAP10212</b>	1 1/2"	28	6"	Straight (1/2")	Bracket Plate & Flat Stud	HalDEX 40010212	
	<b>SAP10215</b> <b>NEW</b>	1 1/2"	10	5.5"	Straight (1/2")	Bracket Plate & Flat Stud	HalDEX 40010215	

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## MANUAL SLACK ADJUSTERS

	PART No	SPLINE DIA.	SPLINES	LENGTH	ARM	HOLES	STYLE	REPLACES
	<b>SAP278302L</b> Superseded SAP48031L	1 1/4"	10	4.5:5.5	Straight	2	Bendix	Bendix 278302
	<b>SAP278305L</b> Superseded SAP48001L	1 1/4"	10	5:6:7	Straight	3	Bendix	Bendix 278305
	<b>SAP278323L</b> Superseded SAP47001L	1 1/2"	10	5:6:7	Straight	3	Bendix	Bendix 278323
	<b>SAP283411L</b> Superseded SAP44041L	1 5/8"	37	6	Straight	1	Bendix	Bendix 283411
	<b>SAP288282L</b> Superseded SAP44051L, SAP44071L, SAP286965L	1 1/2"	28	5:6:7	Straight	3	Bendix	Bendix 288282
	<b>SAP288539L</b>	1 1/2"	10	5.5:6.5	Offset-Left	2	Bendix	Bendix 288539
	<b>SAP288540L</b>	1 1/2"	10	5.5:6.5	Offset-Right	2	Bendix	Bendix 288540
	<b>SAP47011L</b> <sup>SO</sup>	1 1/2"	10	5.5:6.5	Straight	2	Haldex	Haldex KN47011
	<b>SAP49000L</b>	1 1/4"	10	4.5:5.5	Offset-Right	2	Haldex	Haldex KN49000
	<b>SAP49010L</b>	1 1/4"	10	4.5:5.5	Offset-Left	2	Haldex	Haldex KN49010
	<b>SAP50060L</b>	1 1/2"	10	4:5:6	Offset-Right	3	Haldex	Haldex KN50060
	<b>SAP50070L</b>	1 1/2"	10	4:5:6	Offset-Left	3	Haldex	Haldex KN50070
	<b>SAP51010L</b>	1 1/2"	28	6	Curved	1	Haldex	Haldex KN51010
	<b>SAP55001L</b>	1 1/4"	24	5.5	Straight	1	Haldex	Haldex KN55001
	<b>SAP55001N</b>	1 1/4"	24	5	Straight	1	Haldex	
	<b>SAP-SM1090</b>	ø34.53/30.6-12	12	150.5mm	Offset 62° LH	1	Hino	Hino 47490-1090
	<b>SAP-SM1550</b>	ø34.53/30.6-12	12	150.5mm	Offset 62° RH	1	Hino	Hino 47480-1550
	<b>SAP-SM1590</b>	ø40/35-14	14	5 15/16"	Straight	1	Hino	Hino 47480-1590

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## BRAKE DRUMS



\*Brake Drums **Balanced** from Factory

PART No	BRAKE SIZE & SIDE (in.)	OVERALL DEPTH (in.)	BOLT CIRCLE DIA. (Ø) (in.)	PILOT DIA. (Ø) (in.)	BOLT HOLES & SIZE (in.)	BRAKE SURFACE WIDTH (in.)	REPLACES GUNITE	REPLACES WEBB
<b>SAP3141B</b>	16.5"x7" - Rear	10.59"	10.82"	9.00"	8 - 1.00"	7.48"	3141B	66875B
<b>SAP3141X</b>	16.5"x7" - Rear	10.59"	11.25"	9.00"	10 - 0.81"	7.48"	3141X	66895B
<b>SAP3158X</b>	15"x4" - Front	8.76"	11.25"	9.00"	10 - 1.28"	4.57"	3158X	65541B
<b>SAP3166X</b>	16.5"x7" - Drive	10.59"	11.25"	8.53"	10 - 0.81"	7.70"	3166X	66853F 66893F
<b>SAP3600A</b>	16.5"x7" - Rear	10.56"	11.25"	8.78"	10 - 1.00"	7.60"	3600AX	66864B 66884B
<b>SAP3687</b>	16.5"x6" - Front	9.74"	11.25"	8.78"	10 - 1.25"	6.52"	3687X	65152B
<b>SAP3710X</b>	16.5"x5" - Front	9.04"	11.25"	8.78"	10 - 1.25"	5.38"	3710X	65710B
<b>SAP3721</b>	15"x4" - Front	8.79"	11.25"	8.78"	10 - 1.25"	4.78"	3721AX	61527B 77528B
<b>SAP3758X</b>	16.5"x5" - Front	9.37"	11.25"	8.78"	10 - 1.25"	5.31"	3758X	65151B
<b>SAP3800A</b>	15"x4" - Front	9.18"	11.25"	8.66" 8.78"	10 - 1.25"	4.66"	3800AX	65545B 65548B
<b>SAP3807X</b>	16.5"x 8.625" - Rear	11.39"	11.25"	8.78"	10 - 1.00"	9.00"	3807X	66854B 66855B

## EZ ON WHEEL & BRAKE DRUM CENTERING SLEEVES



PART No	MATERIAL	APPLIES TO	DIMENSIONS	SET QTY
<b>530P00089</b> <b>NEW</b>	Steel	<b>SAP</b> SAP3710X, SAP3721, SAP3758X, SAP3800A <b>Arvin Meritor</b> 53-123448-002, 53-123567-002, 53-123568-002 <b>Gunite</b> 3573X, 3596X, 3597X, 3598X, 3686X, 3687X, 3710X, 3721AX, 3726X, 3758X, 3774X, 3800X <b>Webb</b> 61528B, 65548B	1.25" Hole / 0.5" Depth	6

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## BRAKE SHOES

<p><b>SAP1308E</b></p>  <p>Eaton Front Style 15" x 4" Eaton 1008311, 809812</p>	<p><b>SAP1308Q</b></p>  <p>Meritor Q Front Style 15" x 4" Meritor KSF5571308Q</p>	<p><b>SAP1443E</b></p>  <p>Eaton Sytle 15" x 4" Meritor SMA2121443E</p>	<p><b>SAP4311E</b></p>  <p>Eaton Sytle EB Series 16.5" x 7" (Supersedes SAP4311) Meritor XK5234311E</p>
<p><b>SAP4515E</b></p>  <p>Bendix - Eaton - Meritor Style 16.5" x 7" Meritor KSF5504515F3, R4515F3</p>	<p><b>SAP4515Q</b></p>  <p>Meritor Q Front Style 16.5" x 7" Meritor KSF5574515Q</p>	<p><b>SAP4702</b></p>  <p>Meritor Q Plus Style 15" x 4" Meritor KSF5574702QP</p>	<p><b>SAP4702Q</b></p>  <p>Rockwell / Meritor Q Plus - Front 15" x 4" Meritor KSMA3124702QP</p>
<p><b>SAP4705</b></p>  <p>Meritor Q Plus Style 15" x 7" Meritor A3222D2110</p>	<p><b>SAP4707Q</b></p>  <p>Rockwell / Meritor Q Plus Style Trailer W/ Relocated Spring Hole 16.5" x 7" (Supersedes SAP4707) Meritor KSMA3124707QP</p>	<p><b>SAP4709</b></p>  <p>Eaton Style 16.5" x 7" Eaton 328312, 326747</p>	<p><b>SAP4709E2</b></p>  <p>Eaton Sytle ES II 16.5" x 7" Meritor KSMA3124709E2</p>
<p><b>SAP4715</b></p>  <p>Meritor Q Plus Style / Rockwell 16.5" x 6" Meritor KSF5574715QPR</p>	<p><b>SAP4720</b></p>  <p>Meritor Q Plus - Rockwell Style 16.5" x 5" Meritor KSF5574720QP</p>	<p><b>SAP9133</b></p>  <p>Agrale Style Width 120 mm</p>	<p><b>SAP9144</b></p>  <p>Isuzu NPR Style Width 120 mm.</p>

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## LINED BRAKE SHOE KITS



SAP-LN4707K



SAP-LN1443K



HARDWARE KIT INCLUDED

PART No	FMSI No	POSITION	APPLICATION
SAP-LN1308EK	1308E	Steer Axles Only	Bendix/Eaton 15" x 4" - Coreless
SAP-LN1308P	1308P	Steer Axles Only	Circular Cam-End Style 15" x 4" - Coreless
SAP-LN1308Q	1308Q	Steer Axles Only	Rockwell/Meritor 15" x 4" - Coreless
SAP-LN1443K	1443E	Steer Axles Only	Bendix/Eaton ES 15" x 4" - Coreless
SAP-LN4311	4311E	Drive & Trailer Axles	Bendix/Eaton EB Series 16.5" x 7" - Coreless
SAP-LN4514Q	4514Q	Steer, Drive & Trailer	Rockwell/Meritor Q 16.5" x 6" - Coreless
SAP-LN4515FX3	4515X3	Drive & Trailer Axles	Fruehauf 16-1/2" x 7" - Coreless
SAP-LN4515QK	4515Q	Drive & Trailer Axles	Rockwell/Meritor Q Plus 16.5" x 7" - Coreless
SAP-LN4702K	4702Q	Steer Axles Only	Meritor Q Plus 15" x 4" - Coreless
SAP-LN4707K	4707Q	Drive & Trailer Axles	Meritor Q Plus 16.5" x 7" - Coreless
SAP-LN4709K	4709E	Steer, Drive & Trailer	Bendix/Eaton 16.5" x 7" - Coreless
SAP-LN4710Q	4710Q	Drive & Trailer Axles	Rockwell/Meritor Q Plus 15" x 8-5/8" - Coreless
SAP-LN4719EK	4719E	Steer & Trailer Axles	Bendix/Eaton ES 16.5" x 5" - Coreless
SAP-LN4720K	4720Q	Steer & Trailer Axles	Meritor Q Plus 16.5" x 5" - Coreless
SAP-LN4725	4725E	Steer Axles Only	Bendix/Eaton 16-1/2" x 6" - Coreless
SAP-LN4726	4726E	Drive & Trailer Axles	Bendix/Eaton 16-1/2" x 8-5/8" - Coreless

## BRAKE SHOE REPAIR KITS

### SAP-K1816



Universal Kit, for Rockwell 16 1/2 Brake Standard, Includes: 2 Rollers, 2 Roller Retainers, 1 Shoe Return Spring, 2 Return Spring Pins, 4 Anchor Pin Lock Rings, 2 Anchor Pins, 4 Anchor Pin Washers Test

### SAP-K1887



Universal Kit for Rockwell 16 1/2 EB-165, Standard Mount Brake. Includes: 2 Smooth Rollers, 2 Roller Pins, 1 Shoe Return Spring, 2 Shoe Retainer Springs

### SAP-K2769



Universal Kit for Dana 16 1/2, Fast Change 4515E & 4707 Brake. Includes: 2 Rollers, 2 Return Spring Pins, 2 Anchor Pins, 2 Retainer Springs, 2 Anchor Pin Bushings, 2 Roller Retainers, 1 HD Return Spring

### SAP-K5139



Universal Kit for Eaton 15" x 4" EB & ES Front. Brake Includes: 2 Rollers, 1 Shoe Retainer Spring, 1 Return Spring

### SAP-K5481



Universal Kit for Eaton ES Extended Service Brake, Includes: 2 Retainer Springs, 2 Rollers, 2 Roller Retainers, 2 Brake Return Springs

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## BRAKE LINING & RIVETS

BRAKE LINING		
PART No	DESCRIPTION	SET QTY.
SAP-A1308STD	Non-Asbestos Organic (NAO) Standard Drilled 23K lbs.	4 pcs
SAP-A1443STD		4 pcs
SAP-A4311STD		8 pcs
SAP-A4515STD		8 pcs
SAP-A4524STD		8 pcs
SAP-A4702STD		8 pcs
SAP-A4705STD		8 pcs
SAP-A4707STD		8 pcs
SAP-A4709STD		8 pcs

RIVETS					
PART No	DESCRIPTION	BODY DIA.	HEAD DIA.	HOLE DEPTH.	LENGTH UNDER HEAD
SAP10-8	Steel Zinc Coating, Galvanized Flat Head 0°	1/4"	0.468"	0.250"	1/2"
SAP10-9					9/16"
SAP10-10					5/8"

## AIR DRYERS

<p><b>SAP-R955205</b></p>  <p>Air Dryer Wabco Meritor Single Assembly System Saver 12 Volts Control Port 1/4" P.T. Supply Port 1/2" P.T. Delivery Port 1/2" P.T. Purge Tank 1/4" P.T. Meritor R955205</p>	<p><b>SAP-R955300</b></p>  <p>Air Dryer Wabco Meritor Type - Volvo System Saver 1200P 12 Volts Meritor R955300</p>	<p><b>SAP-SS1200PLP</b></p>  <p><b>NEW</b></p> <p>Premium Air Dryer Assembly Plus Series 12V Coalescing w/TCV Replaces 4324711017, S4324711010, 4324711010</p>	<p><b>SAP-SS1200PL</b></p>  <p>Air Dryer Assembly 1200 Plus Series 12V Coalescing w/TCV Replaces 4324711017, S4324711010, 4324711010</p>
<p><b>SAP133690</b></p>  <p><b>NEW</b></p> <p>Air Dryer For Chevrolet Isuzu FRR 2012-2020 Isuzu 8-98253-369-0</p>	<p><b>SAP133700</b></p>  <p><b>NEW</b></p> <p>Air Dryer For Chevrolet Isuzu FVR FTR 2012-2020 Isuzu 8-98253-370-0</p>	<p><b>SAP065691</b></p>  <p>AD-SP 12 Volts / 90 Watts Control Port 1/4" P.T. Supply Port 1/2" P.T. Delivery Port 1/2" P.T. Bendix 800887, 065691</p>	<p><b>SAP4324101520</b></p>  <p>Air Dryer Wabco Type Wabco 4324101520</p>

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## AIR DRYERS

SAP43241D	SAP65225BKT	SAP65225D	SAP65612D
	 <span style="color: red; font-weight: bold;">NEW</span>		
<p>Air Dryer Wabco Type 24 Volts Port 1: M 22x1.5 Port 21: M 22x1.5 Port 22: M 12x1.5 Wabco 4324100000</p>	<p>Air Dryer AD-9 12 Volts W/Bracket Control Port 1/4" P.T. Supply Port 1/2" P.T. Delivery Port 1/2" P.T. Bendix 065225</p>	<p>Air Dryer AD-9 12 Volts W/O Bracket Control Port 1/4" P.T. Supply Port 1/2" P.T. Delivery Port 1/2" P.T. Bendix 065225</p>	<p>Air Dryer AD-IP 12 Volts Supply Port 1/2" P.T. Delivery Port 1/2" P.T. Bendix 65612</p>
SAP801266	4324711010	530P09685	530P09689
		 <span style="color: red; font-weight: bold;">NEW</span>	 <span style="color: red; font-weight: bold;">NEW</span>
<p>Air Dryer AD-IS 12 Volts Control Port 1/4" P.T. Supply Port 1/4" P.T. Delivery Port 1/4" P.T. Used w/Tanks 26" or Longer Haldex 5010696</p>	<p>Air Dryer System Saver 1200+ 12V Max. Operating Pressure: 145 PSI Cut-Out Press: 125.46 to 135.61 PSI Port thread 21: 1/2" - 14 NPTF Port thread 4/23: 1/4" - 18 NPTF Wabco 4324711010</p>	<p>Air Dryer, Coalescing, AD-9 Type, Outright Bendix K046157</p>	<p>AD-9 Type Air Dryer, (Latest Design End Cap) Bendix 800202</p>
530P09991			
 <span style="color: red; font-weight: bold;">NEW</span>			
<p>Air Dryer, Type AD-SP Bendix 800887</p>			

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## AIR DRYER CARTRIDGES

SAP432901	SAP106309	SAP107794	SAP65624
<p>Air Dryer Desiccant Cartridge Type: Air System Protectos Port threads: M 39x1.5 LH Max. Operating Pressure: 14 Bar Wabco 4329012452</p> <p>*Special Order Item</p>	<p>Air Dryer Cartridge for AD-IS (SAP801266), AD-SP (SAP065691), Wabco Type (SAP43241D, SAP4324101520, SAP-R955205, SAP-R955300) Bendix 5008414</p>	<p>Air Dryer Cartridge for AD-9 (SAP65225D) Bendix 107796</p>	<p>Air Dryer Cartridge for AD-IP (SAP65612D) Bendix 065624</p>

SAP78964
<p>Air Dryer Cartridge for Single Air Dryer SDX Haldex Type Haldex 78964</p>

## AIR DRYER PURGE VALVES & REPAIR KITS

SAP-K022105	SAP-R950013	SAP-R950014	SAP04341
<p>Purge Valve Assembly Kit (New Style) For Air Dryers: AD-IP (SAP65612D) AD-IS (SAP801266) (Dual U-Cup) Bendix K022105</p>	<p>Air Dryer Turbo Valve Kit Meritor R950013</p>	<p>Air Dryer Purge Valve Meritor R950014</p>	<p>Purge Valve for Air Dryer AD-9 (SAP65225D) Bendix 5004341</p>

## AIR DRYER PURGE VALVES & REPAIR KITS

SAP103547	SAP107798	SAP63310D	SAP107695
Purge Valve Maintenance Kit for Air Dryers AD-IP (SAP65612D), AD-IS (SAP801266) Bendix 5005037	Purge Valve Maintenance Kit for Air Dryer AD-9 (SAP65225D) with Purge Piston Assembly for 109685X, 65224X, 65647X Haldex 107798K	Purge Valve Assembly Kit (Old Style) for Air Dryer: AD-IP (SAP65612D) Bendix 800404	Bracket Fit for AD-9 Bendix 107695
530P00405	530P22105		
Purge Valve Assembly, Soft Seat, 12V 75W, AD-9 Bendix 800405 <b>NEW</b>	Purge Valve Hard Seat New Style Bendix K022105 <b>NEW</b>		

## AIR VALVE REPAIR KITS

SAP205170	SAP287367	SAP287370	SAP40026
Major Repair Kit For SAP1000R (Trailer Valve)	PP-7 Valve Repair Kit For SAP288239, 288240X, 288241X, 288242X, 288721X Haldex 287367K	R-8 Relay Valve Repair Kit For SAP286360, 286371X, 287224X Haldex 287370K	MaxiBrake I Series Type 20, 24, 30, 36 & R Series Spring Brake Haldex M4040026

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## AIR VALVE REPAIR KITS

530P09660	530P80915
	
<p>Kit, PP-DC Type Park Control Valve Bendix 5006939</p>	<p>Kit Major D-2 Type Governor Bendix 280915</p>

## AIR GOVERNORS

SAP01360	SAP275491	530P84358	4324709202
			
<p>Air Governor D-2 Ports 1/4" Hino Vehicles (Supply, Delivery) Hino 44530-1360</p>	<p>Air Governor D-2 Includes Gasket and Pipe Plugs All Ports 1/8" P.T. Pressure 100-120 PSI Replaces KN18530X, KN18530RX Bendix 275491N</p>	<p>D-2 Type High Temp Air Governor Bendix 275707N</p>	<p>Air Governor for System Saver 1200 Plus Air Dryers</p>

## ABS VALVES

4725001230

<p>ABS Valve Replacement Pkg Rear Axle - 12V Port 1: 1/2-14 Dry Seal NPTF Port 2: 3/8-18 Dry Seal NPTF Port 2.1: 1/2-14 Dry Seal NPTF Port 2.2: 1/2-14 Dry Seal NPTF Port 3: Exhaust Port 4: 1/4"-18 Dry Seal NPTF Response Pressure 5.5PSI Wabco 4725001230</p>

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## AIR VALVES

### SAP-A10005A



Emergency Valve Cartridge  
Supply Port 1/4"  
Delivery Port 1/8"  
55-65 PSI  
Haldex 10005A

## FOOT BRAKE VALVES

### SAP286171



E-6 Dual Circuit Foot Brake Valve  
Supply Ports (4) 3/8" P.T.  
Delivery Ports (4) 3/8" P.T.  
Bendix 286171

### SAP3514511



Wabco Foot Brake Pump  
For Iveco, Man, Mercedes Benz,  
and Chinese Trucks Foton & JAC  
Operating Max. Pressure: 10 bar  
Port 11: 2 x M16x1.5  
Port 12: 2 x M16x1.5  
Port 21: 2 x M16x1.5  
Port 22: 2 x M16x1.5  
Wabco 4613150080

### SAP38211F



E-6 Foot Brake Valve With Pedal  
All Ports 3/8" P.T.  
For Mitsubishi Fuso, Isuzu, Hino  
Nissan Truck  
OE MC838211

### SAP60200F



Aluminum Treadle  
(45 degree),  
For E-3 & E-6 Foot Brake Valve  
Haldex SN4017A

### SAP74390F



SO

Wabco Foot Brake Valve for DAF,  
Mercedes  
Operating Max. Pressure: 8 bar  
Port 11: 2 x M16x1.5  
Port 12: 2 x M16x1.5  
Port 21: 2 x M16x1.5  
Port 22: 2 x M16x1.5  
No Treadle  
Wabco 4613074390

### SAP800629



E-8P Foot Brake Valve  
(Replaces E-12)  
Delivery Ports (4) 3/8"-18 NPT  
Supply Ports (4) 3/8"-18 NPT  
Bendix 800629

### SAP83401F



E-6 Foot Brake Valve  
With Pedal For Hino  
Mitsubishi, Nissan  
OE 59300-83401

### SAP827880



NEW

Foot Brake Valve for Chevrolet  
Isuzu FVR FTR FRR FVZ 2012-2020  
Isuzu 8-98222-788-0,  
1-48100-925-0

## FOOT BRAKE VALVES

**116731**



Pneumatic Throttle Pedal Foot Valve WM453M Series Williams Controls 116731

## CONTROL VALVES

**SAP065690**



PP-DC Park Control Valve Mounting Hole 0.27" Dia. Bendix 65690

**SAP11000H**



Hand Brake Valve Supply & Delivery Ports M14 For DAF, Iveco, Mercedes, Scania, Volvo Trucks Wabco 9617011000

**SAP11430H**



Hand Control Valve Knorr Bremse HB1143AT

**SAP20541H**



In-Column Mount Trailer Brake Control All Ports 1/4" NPT Haldex KN20541

**530P00030**



Trailer Brake Valve C/V 3 Freightliner 265031

**NEW**

**SAP229635**



TW-1 Control Valve Supply Port (1) 1/8" P.T. Delivery Port (2) 1/8" P.T. Bendix 229635

**SAP275175**



Control Valve Model PP-1 (40 PSI) with Knob, Pin, Hex & Nut Supply Port (1) 1/8" P.T. Delivery Ports (2) 1/8" P.T. Exhaust Port (1) 1/8" P.T. Bendix 275175N

**SAP287238**



Control Basic Valve Model PP-8 Supply Port (1) 1/8" P.T. Delivery Ports (2) 1/8" P.T. Exhaust Port (1) 1/8" P.T. Bendix 287238

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## CONTROL VALVES

<p><b>SAP30010H</b></p> 	<p><b>SAP32000</b></p> 	<p><b>SAP38879X</b></p> 	<p><b>SAP61084H</b></p> 
<p>Hand Brake Valve 2 Ports European Application Wabco 9617230100</p>	<p>3/2 Control Valve Knorr Bremse 481007031090</p>	<p>"P.T.O." Power Take Off Air Control Valve Ports (5) (Metric System) Valve Actuation: Manual Lever Valve Action: Feathering Rated Pressure 125 PSI / Controlled lowering / Automatic disengagement of P.T.O. in lower-position / Safety latch on P.T.O. switch to prevent accidental engagement / Brighter LED light / Push to connect fittings Apsco AV-295</p>	<p>Hand Brake Valve for Mercedes Atego Port 11: ø10mm Port 21: ø10mm Operating Max Press. 10 Bar Mercedes-Benz A0004200184</p>
<p><b>SAP61260H</b></p> 	<p><b>SAP800515</b></p> 	<p><b>SAP800516</b></p> 	<p><b>SAP800519</b></p> 
<p>Hand Control Valve Knorr Bremse DPM94AAX</p>	<p>MV-3 Dash Control Module Valve Mounting Horizontal, Trailer Delivery Port 1/4" Reservoir Ports (2) 1/4" Exhaust Port 1/4" Tractor Delivery 1/4" Auxiliary Supply Port 1/4" Bendix 800515</p>	<p>MV-3 Dash Control Module Valve Mounting Horizontal, Holes Thread: 0.28" Unthreaded Trailer Delivery Port 1/4" Reservoir Ports (2) 1/4" Exhaust Port 1/4" Tractor Delivery 1/4" Bendix 800516</p>	<p>MV-3 Dash Control Module Valve Mounting Horizontal, Holes: 1/4-20 Thread Trailer Delivery Port 1/4" Reservoir Ports (2) 1/4" Exhaust Port 1/4" Tractor Delivery 1/4" Bendix 800519</p>
<p><b>SAP-KN20611</b></p> 	<p><b>SAP-KN20615</b></p> 		
<p>MV-2 Dash Control Module Valve Mounting (4) Horizontal - 1/4"-20 Well Nuts In Body Trailer Delivery Port 1/4" Reservoir Ports (2) 1/4" Exhaust Port 1/4" / Tractor Delivery 1/4" Auxiliary Supply Port 1/4 Tractor Valve 20-35 PSI Trailer Valve 20-35 PSI Non-Override 25 +-5PSI Spools 2 / Haldex KN20611</p>	<p>MV-2 Dash Control Module Valve Mounting (4) Horizontal - Hole In Body 0.28" Trailer Delivery Port 1/4" Reservoir Ports (2) 1/4" Exhaust Port 1/4" / Tractor Delivery 1/4" Auxiliary Supply Port 1/4 Tractor Valve 20-35 PSI Trailer Valve 20-35 PSI Non-Override 25 +-5PSI Spools 2 / Haldex KN20615</p>		

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## DRAIN VALVES

<b>SAP12105</b>

<p>Manual Drain Valve 5 ft. Heavy Duty Long Cable Haldex 12105</p>

## HEIGHT CONTROL VALVES

<b>SAP-KD2204</b>	<b>SAP-KD2205</b>	<b>SAP-KD2261</b>	<b>SAP-KD2262</b>
			
<b>NEW</b>	<b>NEW</b>	<b>NEW</b>	<b>NEW</b>
<p>Height Control Leveling Valve for Freightliner W/O Dump Barksdale KD2204</p>	<p>Height Control Valve for Freightliner, Volvo W/Integral Dump Barksdale KD2205</p>	<p>Height Control Valve for Freightliner - Cab w/ 6.25" Arm Barksdale KD2261</p>	<p>Height Control Valve for Freightliner - Cab w/ 2.75 in. Arm Barksdale KD2262</p>
<b>SAP-KD2290</b>	<b>SAP-KD3403</b>	<b>SAP-KN27000</b>	<b>SAP-S4640070040</b>
			
<b>NEW</b>	<b>NEW</b>		
<p>Height Control Leveling Valve W/Linkage Kit for Freightliner Barksdale KD2290</p>	<p>Height Control Valve for HDR Suspension w/7.00 in. Arm Barksdale KD3403</p>	<p>EGP Standard Flow Leveling Valve Kit All Ports 1/4" NPT Horizontal Arm: Length 12" Vertical Arm: Length 14" Haldex KN27000</p>	<p>Cab. Height Control Valve Supply Port (1) 1/4" Suspension Port (1) No Ball Stud with 200mm 7-7/8" Lever Arm Wabco S4640070040</p>

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## HEIGHT CONTROL VALVES

SAP-VS227	SAP14120L	SAP40000L	SAP90054007
 <p><b>NEW</b></p>		 <p><b>SO</b></p>	
<p>Height Control Valve for Trailer w/ HDR Suspension Non-Delay - 1/4" PTC 3-Port Hendrickson VS-227</p>	<p>Leveling Valve European Application Knorr Bremse SV1412</p>	<p>Wabco Leveling Valve European Application Mercedes, Man, Scania Wabco 464004000</p>	<p>Controlled Response Height Control Valve All Ports 1/8" NPT Fittings Provided 1/4" Haldex 90054007</p>
660073403	KD2204	KD2205	KD2261
			
<p>Barksdale® Height Control Leveling Valve/ 7.00" Arm Hendrickson 57977</p>	<p>Barksdale® Height Control Leveling Valve for Freightliner</p>	<p>Barksdale® Height Control Leveling Valve for Freightliner, Volvo</p>	<p>Barksdale® Height Control Valve - Cab w/ 6.25" Arm</p>
KD2262	KD2290	KD2291	KD2294
			
<p>Barksdale® Height Control Valve - Cab w/ 2.75 in. Arm</p>	<p>Barksdale® Height Control Leveling Valve With Linkage Kit for Freightliner</p>	<p>Barksdale® Height Control Leveling Valve for Freightliner w/ 6.00" Arm</p>	<p>Barksdale® Height Control Leveling Valve for Freightliner</p>

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## HEIGHT CONTROL VALVES

### KD2510



Barksdale® Height Control Leveling Valve for Freightliner Cab Mount P3

## LOCKOUT VALVE

### SAP61400H



Lockout 4 Way, 3 Position Air Valve  
OE BAV040

## PROTECTION VALVES

SAP-KN23000	SAP-KN23010	SAP-KN31000	SAP065706
			
One Way Check Valve Inlet/Outlet Port 1/2" Bendix 800372	One Way Check Valve Inlet/Outlet Port 3/8" Haldex KN23010	Pressure Protection Valve Opening Pressure 6.5 (bar) Closing Pressure 4.5 (bar) Ports 1/4" FPT Backflow w/o Max. Operating Pressure 10 (bar) Haldex KN31000	Tractor Protection Valve Model TP-3DC Trailer Supply Port (Primary): 1/2"-NPT Tractor Control Port (Primary): 3/8"-18 NPT (Secondary): 3/8"-18 NPT Tractor Supply Port: 1/4"-18 NPT Stop Light Switch Port: 1/4"-18 NPT Auxiliar Supply Port: 1/4"-18 NPT Bendix 65706
SAP278614	SAP279000	SAP4170P	SAP44570P
			
DC-4 Double Check Valve All Pipe Thread Dimensions 3/8" Bendix 278614	Tractor Protection Valve Model TP-3 Service Tractor Port (1) 3/8" P.T. Service Trailer Port (1) 1/2" P.T. Emergency Tractor Port (1) 1/4" P.T. Haldex KN34060	Four Circuit Protection Valve Supply Port (1) M22x1.5 Delivery Ports (4) M16x1.5	<b>NEW</b> 4 Ways Protection Valve for Hino Trucks Hino S4457-01330
SAP93470P	530P00024	530P00025	530P00026
			
Four Circuit Protection Valve Supply Port (1) M22x1.5 Delivery Ports (4) M16x1.5	Pressure Protection Valve Assembly-Press Prot, 55PSI, 2 PT Freightliner 12-18200-255	Pressure Protection Manifold Valve Assembly for Freightliner 55 PSI Freightliner 12-18200-285	Pressure Protection Brake Valve for Freightliner Freightliner 12-18200-355

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## PROTECTION VALVES

530P00035	530P88605
	
<p>Pressure Protection Valve Inlet: 1/2 NPTM Outlet: 3/8 NPTM Opens 55PSI / Closes 45PSI Tramec 401154</p>	<p>TP-5 Type Tractor Protection Valve Bendix 288605N</p>

## PUSH & PULL BUTTONS

SAP240931	SAP245124	SAP245186	SAP293510
			
<p>PP-1 Black Trailer Emergency Button with Pin, Round Shaped Bendix 240931</p>	<p>PP-1 Yellow Emergency Brake Button with Roll Pin &amp; Hex Nut for SAP276566, SAP276567, Diamond Shaped Bendix 248433N</p>	<p>PP-1 Black Tractor Protection Button with Pin, Round Shaped Bendix 245186</p>	<p>MV-2 Red Trailer Air Supply Button Octagonal Shaped Bendix 293510</p>

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## QUICK RELEASE VALVES

SAP229859	SAP229860	SAP289714	SAP800220
			
QR-1 Quick Release Valve Supply Port (1) 3/8" P.T. Delivery Ports (2) 3/8" P.T. Crack Pressure 1 PSI Bendix 229859	QR-1 Quick Release Valve Supply Port (1) 1/2" P.T. Delivery Ports (2) 3/8" P.T. Crack Pressure 1 PSI Bendix 229860N	QR-1C Quick Release Valve Supply Port (1) 1/4" P.T. Delivery Ports (2) 3/8" P.T. Balance Port (1) 1/4" P.T. Crack Pressure 1 PSI Bendix 289714	Quick Release Valve, Supply Port (1) 1/2" P.T. Delivery Ports (2) 1/4" P.T.

SAP973500

Wabco Quick Release Valve Port 1 M22 x 1.5 Port 2 M22 x 1.5 x 2 Wabco 973500

## RELAY VALVES

SAP-KN28060	SAP-KN28500	SAP-KN28520	SAP-KN30400
			
R-5 Relay Valve - Two Port Control Port (1) 3/8" P.T. Supply Ports (2) 1/2" P.T. Delivery Ports (2) 3/8" P.T. 4.6 PSI Crack Pressure Haldex KN28060	RG-2 Relay Valve Control Port (1) 1/4" P.T. Supply Ports (2) 3/8" P.T. Delivery Ports (2) 3/8" P.T. 5.5 PSI Crack Pressure Haldex KN28500	RG-2 Relay Valve. Control Port (1) 1/4" P.T. Supply Ports (2) 1/2" P.T. Delivery Ports (2) 1/2" P.T. 5.5 PSI Crack Pressure Haldex KN28520	Emergency Relay Valve Service Port 1/4" P.T., Delivery Ports 3/8" P.T., Reservoir 3/4" with Nipple, Female Emergency Port 1/4" P.T. 3.0 PSI Crack Pressure Haldex KN30400

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## RELAY VALVES

SAP-KN31001	SAP065125	SAP065146	SAP1000R
			
<p>Pressure Protection Valve All Ports 1/4" Closing 56 +- 8 PSI Opening 65 +- 8PSI Haldex KN31001</p>	<p>R-12H Relay Valve Horizontal Mount Control Port (1) 1/4" P.T. Supply Ports (2) 1/2" P.T. Delivery Ports (2) 1/2" P.T. 5.5 PSI Crack Pressure Bendix 65125</p>	<p>BP-R1 Brake Proportioning Relay Valve Control Port (1) 1/8" P.T. Supply Ports (1) 1/2" P.T. Delivery Ports (2) 3/8" P.T. Service Ports (1) 1/4" 5.5 PSI Crack Pressure Bendix 65146</p>	<p>Relay Emergency Valve, Replaces: A1000, Supply Port (1) 1/4" P.T. Control Port (2) 1/4" P.T., Delivery Ports (4) 1/4" P.T. Reservoirs Ports (1) 1/2" P.T. 1.5 PSI Crack Pressure Sealco A1000S</p>
SAP102626	SAP103009	SAP103010	SAP11200R
			
<p>R-12 Relay Valve - Vertical Delivery Supply Port (1) 1/2" P.T. Delivery Ports (4) 1/2" P.T. Service Port (1) 1/4" P.T. 4 PSI Crack Pressure Bendix 102626</p>	<p>R-12 Relay Valve - Horizontal Delivery Supply Ports (2) 3/4" P.T. Delivery Ports (2) 1/2" P.T. Service Port (1) 1/4" P.T. 4 PSI Crack Pressure Bendix 103009</p>	<p>R-14 Relay Valve, 4 Horizontal Ports Supply Ports (2) 3/4" P.T. Delivery Ports (2) 1/2" P.T. Service Port (1) 1/4" P.T. Balance Port (1) 1/8" 4 PSI Crack Pressure Bendix 103010</p>	<p>Relay Emergency Valve Port Sizes (NPT) Supply 1/4" Control Port 1/4" P.T. Reservoir 3/4" P.T. Delivery (4) 3/8" P.T., 4.5 PSI Crack Pressure Sealco 1102200</p>
SAP27000R	SAP279180	SAP281865	SAP286370
			
<p>Relay Valve Supply Port (1) Delivery Ports (2) Control Port (1) (2) 22 mm. Diam. x1.5 Tread (1) 16 mm. Diam. x1.5 Tread OE 481026027000</p>	<p>R-6 Relay Valve Supply Ports (1) 1/2" P.T. Delivery Ports (4) 3/8" P.T. Service Port (1) 1/4" P.T. Bendix 279180</p>	<p>RE-6/RE-6NC Relay Emergency Valve Supply Ports (1) 3/4" P.T., (1) 3/8" P.T. Delivery Ports (2) 1/4" P.T., (2) 3/8" P.T. Service Port (1) 1/4" P.T. Emergency Supply Port (1) 1/4" P.T. Max Pressure 95 PSI Bendix 281865</p>	<p>R-8 Relay Valve Max Operating Pressure: 1MPA European Vehicles Control Port (1) 1/4" P.T., Supply Ports (1) 1/4" P.T., (2) 3/4" P.T. Delivery Ports (2) 1/2" P.T. 3 PSI Crack Pressure Bendix 286370</p>

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## RELAY VALVES

SAP50021J	SAP102802
	
<p>Wabco Relay Valve All Ports M22 X 1.5, Max Pressure 1MPa Wabco 4730170300</p>	<p>Major Repair Kit For Relay Valve R-14 Type Bendix 102802N</p>

## SAFETY VALVES

SAP131081	SAP205105
	
<p>ST-4 Safety Valve Preset at 250 PSI 1/2" NPT Bendix 131081</p>	<p>ST-1 Safety Valve Preset at 150 PSI 1/4" NPT Adjustable 125 PSI, 175 PSI Bendix 205105</p>

## SPRING BRAKE CONTROL VALVES

SAP110170	SAP110171	SAP110500	SAP110700
			
<p>Protected Reservoir Spring Brake Control Valve, Control and Supply Ports are Perpendicular to Reservoir Ports Supply Ports (1) 3/8" P.T. Delivery Ports (1) 3/8" P.T. Reservoir Ports A (1) 1/2" P.T. Reservoir Ports B (1) 1/2" P.T. Control Ports (1) 3/8" P.T. Sealco 110170</p>	<p>Protected Reservoir Spring Brake Control Valve, Control and Supply Ports are Parallel to Reservoir Ports Supply Ports (1) 3/8" P.T. Delivery Ports (1) 3/8" P.T. Reservoir Ports A (1) 1/2" P.T. Reservoir Ports B (1) 3/8" P.T. Control Ports (1) 3/8" P.T. Sealco 110171</p>	<p>Spring Brake Control Valve Provides Anti-Compounding Pressure Protection &amp; Holding Supply Ports (1) 3/8" P.T. Delivery Ports (1) 3/8" P.T. Reservoir Ports (1) 1/2" P.T. Control Port (1) 3/8" P.T. Sealco 110500</p>	<p>Enhanced Spring Brake Control Valve. Service Brake Priority Supply Ports (1) 3/8" P.T. Delivery Ports (1) 3/8" P.T. Reservoir Ports (1) 1/2" P.T. Control Ports (1) 3/8" P.T. Sealco 110700</p>

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## SPRING BRAKE CONTROL VALVES

SAP286364	SAP-KN28600	SAP-KN28601
	 <b>NEW</b>	 <b>NEW</b>
SR-1 Spring Brake Valve Supply Ports (1) 1/4" P.T. Delivery Ports (1) 1/4" P.T. Reservoir Ports (1) 1/4" P.T. Control Port (1) 3/8" P.T. Reservoir Trip Pressure 55 PSI Bendix 104535, 286364	Full Function Trailer Valve FF-2 Control Port 1/4" Crack Pressure 3.0 PSI Delivery Port (4) 3/8" Reservoir Port 3/4" Spring Brake (2) 3/8" Supply Port 3/8" Haldex KN28600	Full Function Trailer Valve FF-2 Control Port 1/4" Crack Pressure 3.0 PSI Delivery Port (4) 3/8" Reservoir Port 1/2" Spring Brake (2) 3/8" Supply Port 3/8" Haldex KN28601

## SOLENOID VALVES

SAP68230	SAP68237	SAP68237R	530P00027
			
Solenoid Air Valve Ports (2) 1/4" NPTF 12 Volts Haldex KN68230	Solenoid Air Valve Ports (2) 1/4" NPTF 24 Volts Haldex KN68237	Solenoid Air Valve Ports (2) 1/4" NPTF 24 Volts Includes Thread and Nut Haldex KN68237	Solenoid Valve Assembly 3 Way NC For Freightliner M2 112 Freightliner A12-19779-103
530P00033	530P00043	4721700020	
			
Solenoid Air Valve, 12V with Diode, 1/8-27 NPTF Freightliner 85020-0	Solenoid Valve, 12V, 100A Mounting Flat 180° 4 Terminals for Freightliner Century, Columbia, and FLD Newstar S-18268	3/2 Solenoid-N.C. High Flow 12V Wabco 4721700020	

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## AIR SHIFT

### SAP173507



Air Shift Unit  
For 2-Speed Single or Tandem  
Rear Axles  
Eaton 73507

## TRANSMISSION SELECTOR VALVES & SHIFT KNOBS

### SAP-A3546



Air Control Range Valve  
Assembly Intel Port (1) 1/8" P.T.  
Outlet Port (1) 1/8 P.T.  
Eaton Fuller A3546

### SAP-A4688



Air Control Slave Valve  
Supply Port (2) 1/8" P.T.  
Delivery Ports (2) 1/8" P.T.  
Control Port (1) 1/8" P.T.  
Eaton Fuller A4688

### SAP-A4740



Regulator Filter Assembly  
Non Adjustable  
Preset at 57-65 PSI  
Eaton Fuller A4740

### SAP-A5000



Slave Valve Assembly Supply Port  
(2) 1/8" P.T. Delivery Ports (3) 1/8"  
P.T. Control Port (1) 1/8" P.T.  
Eaton Fuller A5000

### SAP-K2170



Air Filter Regulator Valve  
57-65 PSI  
Eaton Fuller K-2170

### SAP-A6909



9 Speed Shift Knob  
All Ports 1/16"  
Eaton Fuller A6909

### SAP-A6910



10 Speed Shift Knob  
All Ports 1/16"  
Eaton Fuller A6910

### SAP-A6913



13 Speed Shift Knob  
All Ports 1/16"  
Eaton Fuller A6913

## TRANSMISSION SELECTOR VALVES & SHIFT KNOBS

SAP-A6915	SAP-A6918	SAP19974
		
<p>15 Speed Shift Knob All Ports 1/16" Eaton Fuller A6915</p>	<p>18 Speed Shift Knob All Ports 1/16" Eaton Fuller A6918</p>	<p>Insert Valve Assembly Eaton Fuller 19974</p>

## UNLOADER VALVES

SAP74030	SAP9753034730
	
<p>Unloader Valve for Isuzu NPR Port 1: M22 x 1.5 Port 2: M22 x 1.5 Pressure 8.1 +- 0.2 bar Operational Range 0.6 +- 0.4 bar Knoor Bremse II35258</p>	<p>Wabco Unloader Valve Port Threads: M22 x 1.5 Cut-out Pressure 8.1 +- 0.2 bar Operational Range 0.6 +- 0.4 bar Safety Valve 12.0+2 bar Wabco 9753034730 Wabco 9753034730</p>

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## BOOSTERS

SAP100808	SAP100809	SAP100811	SAP20307
		 <b>NEW</b>	
<p>Booster Assy. Dia. ø70mm For Japanese Medium Duty Trucks: Isuzu, Hino, Mitsubishi, Nissan OE 64203179</p>	<p>Booster Assy. Dia. ø90mm For Isuzu V10 CXM FVR FVY FVZ GVD FRR FTS FVD FVL FVM / Mitsubishi Fuso FP FS FV OE 64203502</p>	<p>Booster for Hino 500 FC/FD OE 44610-E0021</p>	<p>Power Brake Booster - Long For Isuzu, Hino, Mitsubishi Trucks OE 20307040</p>
SAP23007	SAP2771004		
			
<p>Power Brake Booster - Short For Japanese Trucks OE 20307150</p>	<p>Hydro Booster Repair Kit Bendix 2771004</p>		

## AIR BRAKE COMPRESSORS

### SINGLE CYLINDER COMPRESSOR

#### SAP-K031987 **NEW**

Single Cylinder Compressor - BA921 Style, Detroit Diesel DD13/DD15  
For Mercedes Benz - \*Narrow Mount Bolts at Bottom Flange

#### Specifications

Cylinder Bore	<b>ø92.00 mm</b>
Number of Cylinders	<b>1</b>
Swept Volume	<b>360 cc</b>
Stroke	<b>54.00 mm</b>
Unloader Port Size	<b>1/4 in - 18 NPT</b>
Air Inlet Port Size	<b>ø34.50 mm</b>
Air Delivery Port Size	<b>M26 x 1.5</b>
Water Inlet Port Size	<b>M18 x 1.5</b>
Water Delivery Port Size	<b>M18 x 1.5</b>
Energy Saving System	<b>Yes</b>
Through Drive	<b>Yes</b>
Water Cooled Valve Plate	<b>Yes</b>
Water or Air Cooled	<b>Water Cooled</b>



**Replaces** K031986, K0319867

#### SAP-CH03987KIT **NEW**

Complete Cylinder Head Repair Kit For Single Cylinder Compressor - BA921 Style For Detroit Diesel  
DDE13/DDE15 For SAPK031987

**Applies to** Air Brake Compressors SAPK031987, K095124, K020253, K020801, K031986, K031986SC,  
K031987, K095124, K095740

**Replaces** K095124, K020253



## SINGLE CYLINDER COMPRESSOR

### SAP-K035912 **NEW**

Single Cylinder Compressor - BA921 Style, Detroit Diesel DD13/DD15  
For Mercedes-Benz OM 471, 473 LA / 472  
\*Wide Mount Bolts at Bottom Flange

#### Specifications

Cylinder Bore	<b>ø92.00 mm</b>
Number of Cylinders	<b>1</b>
Swept Volume	<b>360 cc</b>
Stroke	<b>54.00 mm</b>
Unloader Port Size	<b>1/4 in - 18 NPT</b>
Air Inlet Port Size	<b>ø34.50 mm</b>
Air Delivery Port Size	<b>M26 x 1.5</b>
Water Inlet Port Size	<b>M18 x 1.5</b>
Water Delivery Port Size	<b>M18 x 1.5</b>
Energy Saving System	<b>Yes</b>
Through Drive	<b>Yes</b>
Water Cooled Valve Plate	<b>Yes</b>
Water or Air Cooled	<b>Water Cooled</b>



**Replaces** K035912X, 471 130 02 15, 471 130 17 15

### SAP-CH035912KIT

Complete Cylinder Head Repair Kit For Single Cylinder Compressor - BA921 Style For Detroit Diesel DD13/DD15 Mercedes-Benz OM471,473 LA / 472 For SAP-K035912

**Applies to** Air Brake Compressors SAP-K035912, 471 130 02 15, 471 130 17 15, 471 130 25 15, RA4711302515, A4711302515, K035912X, K034655



**Replaces**

### SAP-HG035912KIT

Head Gasket Kit For Single Cylinder Compressor - BA921 Style For Detroit Diesel DD13/DD15 Mercedes-Benz OM471,473 LA / 472 For SAP-K035912

**Applies to** Air Brake Compressors SAP-K035912

**Replaces** K011815



## SINGLE CYLINDER COMPRESSOR

### SAP-K056649 **NEW**

Single Cylinder Compressor - BA921 Style - For Caterpillar C7/9/11/13/15/18 Acert, 42T Drive Gear with Jet Port

#### Specifications

Cylinder Bore	<b>ø92.00 mm</b>
Number of Cylinders	<b>1</b>
Swept Volume	<b>360 cc</b>
Stroke	<b>54.00 mm</b>
Unloader Port Size	<b>1/8 in - 27 NPT</b>
Air Inlet Port Size	<b>7/8 in -14UNF</b>
Air Delivery Port Size	<b>3/16 in - 12UN</b>
Water Inlet Port Size	<b>3/4 in - 16UNF</b>
Water Delivery Port Size	<b>3/4 in - 16UNF</b>
Energy Saving System	<b>Yes</b>
Through Drive	<b>Yes</b>
Water Cooled Valve Plate	<b>Yes</b>
Water or Air Cooled	<b>Water Cooled</b>



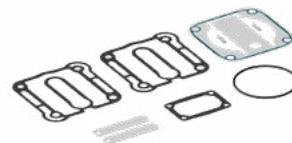
**Replaces** 5014428, 20R-0177

### SAP-HG056649KIT **NEW**

Head Gasket Kit For Single Cylinder Compressor - BA921 Style For Detroit Diesel DD13/DD15 Mercedes-Benz OM471,473 LA / 472 For SAP-K056649

**Applies to** Air Brake Compressors SAP-K056649, K056649, 5014428, 5011441, 5012459, 5012464, 501251

**Replaces** 5008558



## SINGLE CYLINDER COMPRESSOR

### SAP5018485 **NEW**

Single Cylinder Compressor - BA-921 Style For Detroit Diesel S60 Engines with EGR Direct - Replacement for Existing Bendix BA-921 Models, Flange Mount, 21T Spline and 63T Driver Gear

#### Specifications

Cylinder Bore	<b>ø92.00 mm</b>
Number of Cylinders	<b>1</b>
Swept Volume	<b>360 cc</b>
Stroke	<b>54.00 mm</b>
Unloader Port Size	<b>M10 x 1.5</b>
Air Inlet Port Size	<b>M22 x 1.5</b>
Air Delivery Port Size	<b>M27 x 2</b>
Water Inlet Port Size	<b>M18 x 1.5</b>
Water Delivery Port Size	<b>M18 x 1.5</b>
Energy Saving System	<b>Yes</b>
Through Drive	<b>Yes</b>
Water Cooled Valve Plate	<b>Yes</b>
Water or Air Cooled	<b>Water Cooled</b>



**Replaces** 5018485X, 23532832, 23535534

### SAP-CH5018485KIT **NEW**

Complete Cylinder Head Repair Kit For Single Cylinder Compressor - BA-921 Style For Detroit Diesel S60 Engines With EGR Direct Replacement For Existing Bendix BA-921 Models Flange Mount, 21T and 63T Driver Gear For SAP5018485

**Applies to** Air Brake Compressors SAP5018485, 5018485

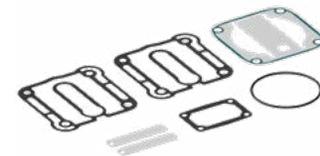


### SAP5008558 **NEW**

Head Gasket Kit For Single Cylinder Compressor BA-921 Style For Detroit Diesel S60 Engines with EGR Direct Replacement & Existing Bendix BA-921 Models Flange Mount, 21T Spline and 63T Drive Gear For SAP5018485

**Applies to** Air Brake Compressors SAP5018485, 5018485

**Replaces** 5008558



## SINGLE CYLINDER COMPRESSOR

**SAP801463** **NEW**

Single Cylinder Compressor - BA921 Style - For Caterpillar C7/9/11/13/15/18 Acert 40T Drive Gear w/o Jet Port

### Specifications

Cylinder Bore	<b>ø92.00 mm</b>
Number of Cylinders	<b>1</b>
Swept Volume	<b>360 cc</b>
Stroke	<b>54.00 mm</b>
Unloader Port Size	<b>1/8 in - 27 NPT</b>
Air Inlet Port Size	<b>7/8 in -14UNF</b>
Air Delivery Port Size	<b>3/16 in - 12UN</b>
Water Inlet Port Size	<b>3/4 in - 16UNF</b>
Water Delivery Port Size	<b>3/4 in - 16UNF</b>
Energy Saving System	<b>Yes</b>
Through Drive	<b>Yes</b>
Water Cooled Valve Plate	<b>Yes</b>
Water or Air Cooled	<b>Water Cooled</b>



**Replaces** 801463, 5010803, 255-4160

## SAP-K023600

**NEW**

Complete Cylinder Head Repair Kit For Single Cylinder Compressor - BA921 Style - For Caterpillar C7/9/11/13/15/18 Acert

**Replaces** K023600



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## SINGLE CYLINDER COMPRESSOR

**SAP9111535100** **NEW**

Single Cylinder Compressor for Cummins ISX Engine, Wabco SS318

### Specifications

Cylinder Bore	<b>ø85.00 mm</b>
Number of Cylinders	<b>1</b>
Swept Volume	<b>318 cc</b>
Stroke	<b>56.00 mm</b>
Unloader Port Size	<b>M10 x 1</b>
Air Inlet Port Size	<b>ø25.00 mm</b>
Air Delivery Port Size	<b>M27 x 2</b>
Water Inlet Port Size	<b>M18 x 1.5</b>
Water Delivery Port Size	<b>M18 x 1.5</b>
Energy Saving System	<b>Yes</b>
Through Drive	<b>Yes</b>
Water Cooled Valve Plate	<b>Yes</b>
Water or Air Cooled	<b>Water Cooled</b>



**Replaces** 3104216RX, 911 153 607 0, 911 153 607 7

## SAP9111539212

**NEW**

Head Replacement For Single Cylinder Compressor  
For Cummins ISX, Wabco SS318 Metric Threads for SAP9111535100

**Applies to** Air Brake Compressors SAP9111535100, 9111535100X, 3681904, 3681902, 3104216

**Replaces** 911 153 921 2



## SINGLE CYLINDER COMPRESSOR

**SAP9111535200** **NEW**

Single Cylinder Compressor For Cummins ISM / L / M / N, Wabco SS318

### Specifications

Cylinder Bore	<b>ø85.00 mm</b>
Number of Cylinders	<b>1</b>
Swept Volume	<b>318 cc</b>
Stroke	<b>56.00 mm</b>
Unloader Port Size	<b>M10 x 1</b>
Air Inlet Port Size	<b>ø25.00 mm</b>
Air Delivery Port Size	<b>M27 x 2</b>
Water Inlet Port Size	<b>3/4 in - 16UNF</b>
Water Delivery Port Size	<b>3/4 in - 16UNF</b>
Energy Saving System	<b>Yes</b>
Through Drive	<b>Yes</b>
Water Cooled Valve Plate	<b>Yes</b>
Water or Air Cooled	<b>Water Cooled</b>



**Replaces** 3103403, 911 153 520 0

**SAP9111539202** **NEW**

Head Replacement For Single Cylinder Compressor For Cummins ISM / L / M / N  
Wabco SS318 US Threads For SAP9111535200, SAP9111535300

**Applies to** Air Brake Compressors SAP9111535200, SAP9111535300, 9111535300X, 9111535200X

**Replaces** 4936226, 911 153 920 2



**SAP9111549292** **NEW**

Major Repair Kit for Single Cylinder Compressor  
For Cummins ISX / L / M / N / ISC / B For SAP9111535200

**Applies to** Air Brake Compressors SAP9111535200, 9111535200, 3103403, 3680441, 4053825, 4059825,  
4069825, 4052756

**Replaces** 3103403, 3680441, 9111535200



## SINGLE CYLINDER COMPRESSOR

**SAP9111535300** **NEW**

Single Cylinder Compressor For Cummins ISB / ISC / ISL / QSB, Wabco SS318

### Specifications

Cylinder Bore	<b>ø85.00 mm</b>
Number of Cylinders	<b>1</b>
Swept Volume	<b>318 cc</b>
Stroke	<b>56.00 mm</b>
Unloader Port Size	<b>M10 x 1</b>
Air Inlet Port Size	<b>ø25.00 mm</b>
Air Delivery Port Size	<b>M27 x 2</b>
Water Inlet Port Size	<b>3/4 in - 16UNF</b>
Water Delivery Port Size	<b>3/4 in - 16UNF</b>
Energy Saving System	<b>Yes</b>
Through Drive	<b>Yes</b>
Water Cooled Valve Plate	<b>Yes</b>
Water or Air Cooled	<b>Water Cooled</b>



**Replaces** 5301094, 911 153 938 0

## SAP9111539202

Head Replacement For Single Cylinder Compressor For Cummins ISM / L / M / N  
Wabco SS318 US Threads For SAP9111535200, SAP9111535300

**Applies to** Air Brake Compressors SAP9111535200, SAP9111535300, 9111535300X, 9111535200X

**Replaces** 4936226, 911 153 920 2



## SINGLE CYLINDER COMPRESSOR

**SAP9121420020** **NEW**

Single Cylinder Compressor For Mack MP7 / MP8, Volvo FM / FH

### Specifications

Cylinder Bore	<b>ø85.00 mm</b>
Number of Cylinders	<b>1</b>
Swept Volume	<b>318 cc</b>
Stroke	<b>56.00 mm</b>
Unloader Port Size	<b>M12 x 1.5</b>
Air Inlet Port Size	<b>ø35.00 mm</b>
Air Delivery Port Size	<b>M26 x 1.5</b>
Water Inlet Port Size	<b>M16 x 1.5</b>
Water Delivery Port Size	<b>M16 x 1.5</b>
Energy Saving System	<b>Yes</b>
Through Drive	<b>Yes</b>
Water Cooled Valve Plate	<b>Yes</b>
Water or Air Cooled	<b>Water Cooled</b>



**Replaces** 22169884, 912 142 002 0

## SAP-CH9121420020KIT

**NEW**

Complete Cylinder Head Replacement For Single Cylinder Compressor For Mack MP7/MP8, Volvo FM/FH - For SAP9121420020

**Applies to** Air Brake Compressors SAP9121420020, 912 142 002 0

**Replaces** 912 142 002 0



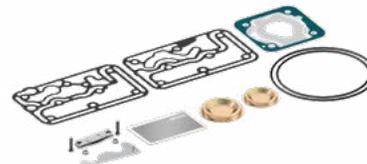
## SAP4123520042

**NEW**

Major Repair Kit For Single Cylinder Compressor For Mack MP7 / MP8, Volvo FM / FH For SAP9121420020

**Applies to** Air Brake Compressors SAP9121420020, 912 142 002 0

**Replaces** 912 142 002 0



## TWIN CYLINDER COMPRESSOR

### SAP5004187 **NEW**

Twin Cylinder Compressor For Detroit Diesel S60, Tu-Flo 750 (Updates TF-550 Units) 21T and 69T Drive Gear and Safety Valve

#### Specifications

Cylinder Bore	<b>ø70.64</b>
Number of Cylinders	<b>2</b>
Swept Volume	<b>336 cc</b>
Stroke	<b>38 mm</b>
Unloader Port Size	<b>1/8 in - 27 NPT</b>
Air Inlet Port Size	-
Air Delivery Port Size	-
Water Inlet Port Size	<b>1/2 in - 14 NPT</b>
Water Delivery Port Size	<b>1/2 in - 14 NPT</b>
Energy Saving System	<b>Yes</b>
Through Drive	<b>Yes</b>
Water Cooled Valve Plate	<b>Yes</b>
Water or Air Cooled	<b>Water Cooled</b>



**Replaces** 5004187, 5004188, 23516841

### SAP107082 **NEW**

Head Replacement for Twin Cylinder Compressor For Detroit Diesel S60, Tu-Flo 750 (Updates TF-550 Units) 21T and 69T Drive Gear and Safety Valve For SAP5004187

**Applies to** Air Brake Compressors SAP5004187, 5004187, 5004188

**Replaces** 107082, 5004187, 5004188



## TWIN CYLINDER COMPRESSOR

**SAP9125420070** **NEW**

Twin-Cylinder Compressor For Mack MP10 HDEP Engine

### Specifications

Cylinder Bore	<b>ø85.00 mm</b>
Number of Cylinders	<b>2</b>
Swept Volume	<b>636 cc</b>
Stroke	<b>56.00 mm</b>
Unloader Port Size	<b>M16 x 1.5</b>
Air Inlet Port Size	<b>ø35.00 mm</b>
Air Delivery Port Size	<b>M26 x 1.5</b>
Water Inlet Port Size	<b>M16 x 1.5</b>
Water Delivery Port Size	<b>M16 x 1.5</b>
Energy Saving System	<b>Yes</b>
Through Drive	<b>Yes</b>
Water Cooled Valve Plate	<b>Yes</b>
Water or Air Cooled	<b>Water Cooled</b>



**Replaces** 220062021, 912 542 007 0

## SAP9125129352

**NEW**

Head Replacement for Twin-Cylinder Compressor  
For Mack MP10 HDEP Engine For SAP9125420070

**Applies to** Air Brake Compressors SAP9125420070, 912 542 007 0

**Replaces** 912 512 935 2



## SAP9125129362

**NEW**

Major Repair Kit For Twin-Cylinder Compressor For Mack MP10 HDEP Engine For SAP9125420070

**Applies to** Air Brake Compressors SAP9125420070, 912 542 007 0

**Replaces** 220062021, 912 542 007 0



## AIR BRAKE COMPRESSOR REPAIR KITS

### SAP9115159202

Complete Cylinder Head Repair Kit For Twin Cylinder Compressor For Cummins QSB6.7 For 9115150200

**Applies to** Air Brake Compressors 9115150200

**Replaces** 911 515 923 2



## COMPRESSOR KITS

SAP-RNT26	SAP107516	SAP107979	SAP107653
Head Repair Kit For EL1300, EL1600 & EL3200 Compressors Haldex RNT26	Cylinder Head Maintenance Kit For TU-FLO 550/750 Compressors Bendix 107516N	Repair Kit For TU-FLO 550/750 Compressors Bendix 107969N	Connecting - Rod Bearing 0.020 O.S. For Tu-Flo 550/750 Bendix 107653
SAP107654	530P08841	530P25010	530P25011
Connecting - Rod Bearing 0.030 O.S. For Tu-Flo 550/750 Bendix 107654	Single Connecting Rod TF550/750, W/Out Inserts Bendix 108841	Ring Set, Early 5-Ring, 1/8" Oil, TF501 Std. Bendix 106107	Ring Set Late 5-Ring 3/16" Oil Bendix 106106

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## COMPRESSOR KITS

### 530P25500



**NEW**

Single Piston, 5-Ring TF550  
W/Pin Std.  
Bendix 108843

### 530P50130



**NEW**

Ring Set Late 5-Ring 3/16" Oil  
TF501 0.030 Under  
Bendix 106108

## SERVO CLUTCH

### SAP97005



Servo Clutch  
Ports: 1i:M16x1.5 / 1-4: M14x1.5  
Diam. ø100 mm  
Stroke 85 mm  
Push Force 6000 N  
Oil: Brake Fluid  
For Mercedes, Man  
Wabco 9700511780

### SAP97051



Servo Clutch  
Ports: 1i:M16x1.5 / 2i: M16x1.5 / 1-4:  
M14x1.5  
Diam. ø100 mm  
Stroke 58.5 mm  
Push Force 6000 N  
Oil: Brake Fluid  
For Mercedes (Brazilian Model)  
Wabco 9700511790

## TRAILER PARTS

<p><b>SAP-E700L</b></p>	<p><b>SAP450K</b></p>	<p><b>SAP450L</b></p>	<p><b>SAP451L</b></p>
<p>King Pin 8" Flange Diameter Euclid E-700</p>	<p>Packing Ring Gladhand</p>	<p>Universal Gladhand 1/2"-14 NPTF Threaded Port Haldex 11450</p>	<p>Emergency Red Gladhand 1/2"-14 NPTF Threaded Port Haldex 11451</p>
<p><b>SAP452L</b></p>	<p><b>SAP453L</b></p>	<p><b>SAP454L</b></p>	<p><b>SAP455L</b></p>
<p>Service Blue Gladhand 1/2"-14 NPTF Threaded Port Haldex 11452</p>	<p>Gladhand European Vehicles Red Cover Internal Hole Thread 22 X 1.5 mm</p>	<p>Gladhand European Vehicles Yellow Cover Internal Hole Thread 22 X 1.5 mm</p>	<p>Gladhand European Vehicles Red Cover Thread 16 x 1.5 mm</p>
<p><b>SAP456L</b></p>	<p><b>SAP12-136</b></p>	<p><b>SAP12-138</b></p>	<p><b>SAP-BE1260</b></p>
<p>Gladhand European Vehicles Yellow Cover Thread 16 x 1.5 mm</p>	<p>Glad Hand Emergency 38° Angled Blue 3/8" Female Pipe Thread</p>	<p>Glad Hand Emergency 38° Angled Red 3/8" Female Pipe Thread</p>	<p>Aluminum Gladhand Extension Grips (Red &amp; Blue) Replaces Haldex BE1260, Phillips 1260</p>

\*S0: Special Order Item. Please contact your sales representative for more information of how to order this item.

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## CABLES & COMPONENTS

SAP-BE23201	SAP-BE23202	SAP-BE23703	SAP-BE23784
			
2 Pole Socket Zinc die-cast housing for durability / Stainless steel hinge pin and spring for long life / 200 amp / One Positive, One Negative Pole / Terminals Accept 4 Gauge Cable Haldex BE23201	2 Pole Plug with Spring Guard Provides separate power and ground connections / 200 amp One Positive, One Negative Pole / Terminals Accept 4 Gauge Cable Haldex BE23202	HD 7 Way Plug Receptacle (Split Pin) Haldex BE23703	HD 7 Way Plug Assembly With Spring Guard Haldex BE23784
SAP-BE23703KIT	SAP23703K	SAP-BE27071	SAP-BE27072
			
Connector Kit: 7 Way Receptacle (SAP-BE23703) and Rubber Boot (SAP23703K) <span style="color:red">SO</span>	Rubber Boot for SAP-BE23703	15' Green Ultra Heavy Duty ABS Cable with Spring Guard Type: ABS Gauge Wires: 4/12, 2/10, 1/8 Leads 2/12" Haldex BE27071	15' Green Ultra Heavy Duty Cable with Spring Guard and Lead 48" Type: ABS Gauge Wires: 4/12, 2/10, 1/8 Leads 1/12" - 1/48" Haldex BE27072
SAP421113	SAP421114	SAP451097	SAP451119
			
15' 7-Way Coiled Cable with Spring Guard Gauge Wires: 6/12, 1/14 Type: Non-ABS Leads 2/12" Sloan 421113	15' 3 in 1 Electrical & Air Cable Set Type: ABS Gauge Wires: 4/12, 2/10, 1/8 Phillips 30-2171	12' 3 in 1 Electrical & Air Cable Set Type: ABS Gauge Wires: 4/12, 2/10, 1/8 Phillips 30-2151 <span style="color:red">NEW</span>	12' 3-in-1 Electrical & Air Cable Set With Aluminum Grip Type: ABS Gauge Wires: 4/12, 2/10, 1/8 <span style="color:red">NEW</span>

\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.  
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## CABLES & COMPONENTS

### SAP451120



**NEW**

15' 3-in-1 Electrical & Air Cable Set  
With Aluminum Grip  
Type: ABS  
Gauge Wires: 4/12, 2/10, 1/8

## AIR BRAKE HOSES

### SAP952HD



Air Coiled Hose 15 ft. Red & Blue  
Leads 2/12"  
DOT Approved  
DOT J 844 B  
Phillips 11-5150

### SAP952RB



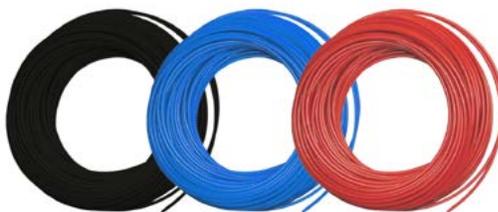
Air Coiled Hose 15 ft. Red & Blue  
Leads 2/12"  
Red & Blue  
Single Layer

### SAP953HD



Air Coiled Hose 15 ft. Red & Blue  
Leads 1/12" & 1/40"  
DOT Approved  
DOT J 844 B  
Phillips 11-340

## TUBING



PART	COLOR	SIZE (in)	SIZE (mm)	ROLL SIZE (FT)
SAP04106	Black	1/4"	6.350	1000 ft.
SAP04126	Red	1/4"	6.350	1000 ft.
SAP04166	Blue	1/4"	6.350	1000 ft.
SAP05204	Black	5/16"	7.938	500 ft.
SAP06104	Black	3/8"	9.525	500 ft.
SAP06124	Red	3/8"	9.525	500 ft.
SAP06164	Blue	3/8"	9.525	500 ft.
SAP08104	Black	1/2"	12.700	500 ft.
SAP08124	Red	1/2"	12.700	500 ft.
SAP08164	Blue	1/2"	12.700	500 ft.
SAP10103	Black	5/8"	15.875	250 ft.

\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.

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## HOSES & HOSE ROLLS / SAE J1402A/FMVSS



Manufactured 100% in

### 3/8" I.D. HOSES

1/4" FIXED & SWIVEL ENDS	
PART No	LENGTH
SAP228520	20"
SAP228522	22"
SAP228524	24"
SAP228526	26"
SAP228528	28"
SAP228530	30"
SAP228532	32"
SAP228534	34"
SAP228536	36"
SAP228538	38"
SAP228540	40"
SAP228542	42"
SAP228544	44"
SAP228546	46"
SAP228548	48"
SAP228550	50"
SAP228552	52"
SAP228554	54"
SAP228556	56"
SAP228558	58"
SAP228560	60"
SAP228562	62"
SAP228564	64"
SAP228566	66"
SAP228568	68"
SAP228578	78"

3/8" FIXED & SWIVEL ENDS	
PART No	LENGTH
SAP383820	20"
SAP383822	22"
SAP383824	24"
SAP383826	26"
SAP383828	28"
SAP383830	30"
SAP383832	32"
SAP383834	34"
SAP383836	36"
SAP383838	38"
SAP383840	40"
SAP383842	42"
SAP383844	44"
SAP383846	46"
SAP383848	48"
SAP383850	50"
SAP383852	52"
SAP383854	54"
SAP383860	60"
SAP383866	66"
SAP383868	68"
SAP383872	72"
SAP383878	78"
SAP383884	84"

### 1/2" I.D. HOSES

3/8" FIXED & SWIVEL ENDS	
PART No	LENGTH
SAP123820	20"
SAP123822	22"
SAP123824	24"
SAP123826	26"
SAP123828	28"
SAP123830	30"
SAP123832	32"
SAP123834	34"
SAP123836	36"
SAP123838	38"
SAP123840	40"
SAP123842	42"
SAP123844	44"
SAP123846	46"
SAP123848	48"
SAP123850	50"
SAP123852	52"
SAP123854	54"
SAP123856	56"
SAP123858	58"
SAP123860	60"
SAP123862	62"
SAP123864	64"
SAP123866	66"
SAP123868	68"
SAP123872	72"
SAP123878	78"
SAP123884	84"

**CUSTOM LENGTHS AVAILABLE WITH ORDERS OF 20 OR MORE PIECES**

\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item. The numbers used for cross reference and the photos provided are for informational purposes only. All brands and references listed in the catalog belong to the respective companies.

RTV SILICONE & REFLECTIVE TAPE

100SGR



MASTER PACK **144 PACKS**  
INNER BOX **12 PACKS**



Temperature Range:  
-80°F to +750°F (-62°C to +399°C) Intermittent.

Includes Tube Squeezer  
Standard Applications:  
Engine Repairing, Oil Pan Gasket, Valve Cover Gasket,  
Side Cover Plate, Thermostat Housing, Timing Cover,  
Transmission Pan, Valve Cover Gasket, Intake Manifold,  
Vibration Damper, and Exhaust Manifold. Heat Resistant  
for Glazing and Joint Sealing Applications.

Weight: 100gm (3.5 oz.)

SAP-CT2150RW



NEW

Reflective Conspicuity Tape  
2" Wide X 150' Roll - 11" Red & 7" White  
DOT-C2 Approved - 3 Year Warranty  
Made in USA

Master Pack: 10 Rolls



THREADLOCKER RED HIGH STRENGTH / ANAEROBIC

SAP10262RD



MASTER PACK **144 PACKS**  
INNER BOX **12 PACKS**



Threadlocker Red High Strength / Anaerobic

Content: Methacrylic Ester  
Color: Red  
Operating Temp: 54°C to +150°C (-67°C to +302°F)  
Fastener Size: Up to 3/4 in. (20mm.)  
Torque Breakaway: 28 Nm / 248 lb-in  
Prevail Torque: 32 Nm / 283 lb-in  
Weight: 10ml

Innex Box: 12 pcs / Master Pack: 144 pcs

SAP50262RD



MASTER PACK **48 PACKS**  
INNER BOX **12 PACKS**



Threadlocker Red High Strength / Anaerobic

Content: Methacrylic Ester  
Color: Red  
Operating Temp: 54°C to +150°C (-67°C to +302°F)  
Fastener Size: Up to 3/4 in. (20mm.)  
Torque Breakaway: 28 Nm / 248 lb-in  
Prevail Torque: 32 Nm / 283 lb-in  
Weight: 50ml

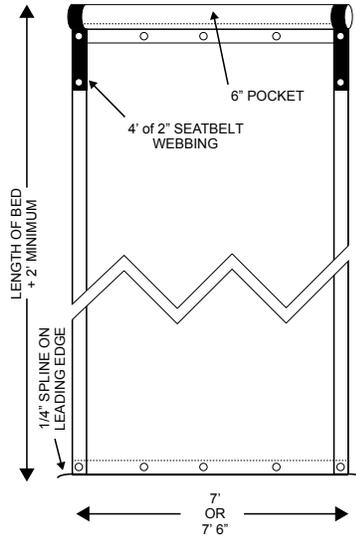
Innex Box: 12 pcs / Master Pack: 48 pcs

## TARPS & COMPONENTS

### MULTI-COLOR PVC MESH STOCK TARP

#### Specifications

- Double folded hem
- 6" pocket
- Spline on front edge of tarp
- 4' of seatbelt around the pocket



PART No	DIMENSIONS	WEIGHT (lbs)
SAP-T4633	7' x 16'	10.3
SAP-T4634	7' x 18'	11.6
SAP-T4635	7' x 20'	12.9
SAP-T4636	7' x 22'	14.2
SAP-T4637	7' x 24'	15.5
SAP-T4644	7' 6" x 16'	10.9
SAP-T4645	7' 6" x 18'	12.2
SAP-T4646	7' 6" x 20'	13.6
SAP-T4647	7' 6" x 22'	15.0
SAP-T4648	7' 6" x 24'	16.4

### TARP SYSTEM PARTS



SAP-M50



SAP-M60



PART No	DESCRIPTION
SAP-M50	Motor 50:1 w/1.5hp 3yr Warranty
SAP-M60	Motor 60:1 w/1.5hp 3yr Warranty
SAP-M90	Motor 90:1 w/2hp 5yr Warranty
SAP-S121	Spiral Torsion Spring
SAP-500B	Rotary (Barrel) Switch Kit
SAP-510B	Rotary Switch - Rotary (Barrel) Switch Only

\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.

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Custom Designs**

\* Minimum Qty.  
500 Pieces

**SAP-MFLAP01**

White Mud Flap for  
Trucks 24" x 30"



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PRODUCTS**



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- Air Treatment**
- All Makes by Bendix CVS Reman Compressors**
- AutoVue**
- Compressors & Governors**
- Bendix® eTrac™ System**
- Formula Blue® Hydraulic Brake Parts**
- Foundation Drum Brakes**

- Intellipark**
- Bendix® Remanufactured Brake Shoes**
- SafetyDirect**
- Slack Adjusters**
- SmarTire® TPMS**
- Steering**
- Trailer Solutions**
- Valves**
- Wingman® Advanced™**
- Wingman® Fusion™**



**K1289130R**

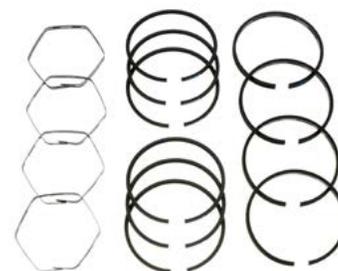


**K022105**



**284142N**

PART No	DESCRIPTION
<b>K1289140R</b>	ABS Modulator Valve
<b>K1289130R</b>	ABS Modulator Valve - Remanufactured Coreless
<b>K022105</b>	AD-IP Purge Valve
<b>0R286171</b>	Air Brake - Basic Valve
<b>107794</b>	Air Brake - Remanufactured Cartridge Assembly AD-9 Dryer
<b>5004341</b>	Air Brake - Remanufactured Kit AD9
<b>065225</b>	Air Dryer
<b>800089</b>	Air Dryer
<b>801266</b>	Air Dryer
<b>K137021</b>	Air Dryer
<b>K043197</b>	Automatic Slack Adjuster
<b>NT3030STD-78</b>	Spring Brake Chamber 30/30 Sealed - Stroke 2.50" w/o Clevis
<b>K070796</b>	Brake Pad Disc Kit ADB22X
<b>236982N</b>	Brake Pedal Plunger Boot
<b>286171N</b>	Brake Valve
<b>800629</b>	Brake Valve
<b>800646</b>	Brake Valve
<b>802753</b>	Brake Valve
<b>229615N</b>	Control Valve
<b>275175N</b>	Control Valve
<b>287325N</b>	Control Valve
<b>0R276566</b>	Coreless Valve
<b>0R275491</b>	D-2 Governor
<b>280915</b>	D-2 Governor Maintenance Kit
<b>800034</b>	Dash Valve
<b>800516</b>	Dash Valve
<b>800622</b>	Dash Valve
<b>800840</b>	Dash Valve
<b>234100N</b>	Diaphragm
<b>234101N</b>	Diaphragm
<b>801979</b>	Drain Valve
<b>221121N</b>	DV-2 Drain Valve
<b>289335</b>	E-6 Maintenance Major Repair Kit
<b>287368N</b>	E-6 Maintenance Minor Repair Kit
<b>K073073</b>	Fan Clutch
<b>275491N</b>	Governor
<b>5010669N</b>	Governor



**106107**



**NT3030STD-78**



**287043N**

\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item. The numbers used for cross reference and the photos provided are for informational purposes only. All brands and references listed in the catalog belong to the respective companies.



**102802N**



**102626N**



**107216**

PART No	DESCRIPTION
<b>5005037</b>	Kit
<b>800405</b>	Kit
<b>284833N</b>	LP-3 Low Pressure Indicator - Double Terminal - 70 PSI Cut-Out - No Cable Terminal
<b>107796</b>	Minor Kit
<b>289352N</b>	Minor Kit
<b>801631</b>	MV-3 Dash Valve
<b>5002742</b>	MV-3 Maintenance Kit
<b>107216</b>	MV-3 Spares Kit
<b>K028994</b>	Pressure Reducing Valve
<b>K051959</b>	Pressure Switches
<b>0R229859</b>	QR-1 Valve Quick Release
<b>800333</b>	QR-L Inline Quick Release Valve - Direct Mount
<b>229859N</b>	Quick Release Valve
<b>289714N</b>	Quick Release Valve
<b>802743</b>	Quick Release Valve
<b>802744</b>	Quick Release Valve
<b>0R229860</b>	Quick Release Valve
<b>0R289714</b>	Quick Release Valve w/Double Check Remanufactured
<b>102802N</b>	R-12 & R-14 Field Maintenance Kit
<b>102626N</b>	R-12 Relay Valve
<b>0R103009</b>	R-12 Relay Valve w/Bracket A/M - Horizontal Delivery Ports
<b>0R102626</b>	R-12 Relay Valve w/Bracket A/M - Vertical Mount
<b>801629</b>	R-14 Relay Valve
<b>0R103010</b>	R-14 Relay Valve w/Bracket A/M - Horizontal Delivery Ports
<b>065125</b>	Relay Valve
<b>065303</b>	Relay Valve
<b>103009N</b>	Relay Valve
<b>K029262</b>	Relay Valve
<b>248579</b>	Ring
<b>800534</b>	Safety Valve
<b>278323N</b>	Slack Adjuster (Manual)
<b>283411</b>	Slack Adjuster (Manual)
<b>286965N</b>	Slack Adjuster (Manual)
<b>288282</b>	Slack Adjuster (Manual)
<b>K073055</b>	Solenoid Assembly
<b>102145</b>	Spares Kit
<b>104045</b>	Spares Kit



**289335**



**800333**



**K021560**

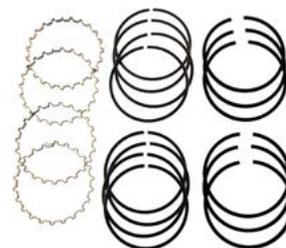
\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item. The numbers used for cross reference and the photos provided are for informational purposes only. All brands and references listed in the catalog belong to the respective companies.



**107651**



**107649**



**5005364**

PART No	DESCRIPTION
<b>106105N</b>	Spares Kit
<b>106106</b>	Spares Kit
<b>106108</b>	Spares Kit
<b>107516N</b>	Spares Kit
<b>107643</b>	Spares Kit
<b>107647</b>	Spares Kit
<b>107652</b>	Spares Kit
<b>107969N</b>	Spares Kit
<b>108123</b>	Spares Kit
<b>108848N</b>	Spares Kit
<b>280856N</b>	Spares Kit
<b>282763N</b>	Spares Kit
<b>5002741</b>	Spares Kit
<b>5005363</b>	Spares Kit
<b>5006939</b>	Spares Kit
<b>5006950</b>	Spares Kit
<b>5008414</b>	Spares Kit
<b>NT3030STD-78TCDS</b>	Spring Brake
<b>K132352</b>	Spring Brake (Disc)
<b>NT3030STD-78TC</b>	Spring Brake (S-Cam)
<b>286364N</b>	Spring Brake Valve
<b>K021560</b>	Spring Brake Valve
<b>K021562</b>	Spring Brake Valve
<b>K021557</b>	SR-7 Spring Brake Valve - Thread 3/8 in.-16
<b>205105N</b>	ST-1 Adjustable Safety Valve
<b>287043N</b>	TF-501 Field Maintenance Kit
<b>106107</b>	TF-501 Piston Ring Set - .020 O.S.
<b>107648</b>	TF-550 Piston & Wrist Pin Kit - .010 O.S.
<b>107649</b>	TF-550 Piston & Wrist Pin Kit - .020 O.S.
<b>107651</b>	TF-750 Connecting Rod Insert Kit - Standard Size
<b>5005362</b>	TF-750 Piston Ring Set - .010 O.S.
<b>5005364</b>	TF-750 Piston Ring Set - .030 O.S.
<b>5005361</b>	TF-750 Piston Ring Set - Standard Size
<b>K070962</b>	Traction Relay
<b>065706</b>	Tractor Protection Valve
<b>801550</b>	Wheel Speed Sensor



**K0796700R**



**K109119**



**280915**

\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item. The numbers used for cross reference and the photos provided are for informational purposes only. All brands and references listed in the catalog belong to the respective companies.

# Barksdale

## CONTROL PRODUCTS



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**Air Suspension Valves**

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## INDUSTRIAL HOSES

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### Welding Hoses



### Automotive Hoses



### Fuel Delivery Hoses



### Automotive Aftermarket



A world of safer vehicles

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Actuators



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Hydraulic Brake Calipers



Monroe® Shock Absorbers



Power Steering Gears



Power Steering Pumps



Water Pumps



Suspension Controls



Vacuum/Hydraulic



Valves

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A FULL LINE OF

PRODUCTS

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Haldex

Haldex



**90555353**



**GC3030LCW**

PART No	DESCRIPTION
<b>SC30LCW</b>	Brake Chamber 30LS 225 Welded Yoke
<b>GC3636CW</b>	Gold Seal 3636 Brake Chamber
<b>GC3030LCW</b>	Gold Seal Spring Break
<b>90555375</b>	Height Control Valve
<b>90555376</b>	Height Valve (Same As 9555143)
<b>90555353</b>	PR Plus HCV with Normally Open Dump Valve, Volvo Replacement 90555355



# WABCO



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**A FULL LINE OF**

**PRODUCTS**

**CONTACT YOUR SALES REP FOR MORE INFORMATION**

**Air Supply & Processing**

**Air Storage**

**Braking Components**

**(ABS) Anti-lock Braking System**

**(EBS) Electronic Braking System**

**Hydraulic Brake Systems**

**Brake Actuators**

**Air Disc Brakes**

**Hydraulic Disc Brakes**

**Suspension Controls**

**Driveline Controls**

**Clutch Controls**

**Retrofit Controls**

**Bus Systems**

**Connecting Devices**

**Tools & Equipment**



**gamma**  
ELECTRIC®  
— USA —

A division of SAP USA Truck & Auto Parts®



# ALTERNATORS & STARTERS

# TOP SELLERS

## ALTERNATORS

**NEW NO CORE REQUIRED**



GAMMA USA #	DELCO REMY #	LEECE NEVILLE #	LOAD HANDLER #	DESCRIPTION
<b>1D0019 *</b>	19020310 (22SI)		A22J150	21SI 12V 145amps J180 Mount
<b>1D0024 *</b>	19010111	110-446		21SI 24V 70amps J180 Mount
<b>1D0027 *</b>	19020310		A22J150	22SI 12V 145amps J180 Mount
<b>1D0051 *</b>	8600314	A160203	A28P200	28SI 200A 12V PAD Mount
<b>1D0054 *</b>	8600313	A160204	A28J200S	28SI 12V 200amps J-180 Mount
<b>1D0057 *</b>	8600017	110-876		24SI 24V 70amps J-180 Mount
<b>1D0065 *</b>	8600066	BLP2131GH	A35P140	35SI 12V 140amps PAD Mount
<b>1D0067 *</b>	<b>8600310 *</b>	<b>AVI555J *</b>	A24J160	24SI 12V 160amps J180 Mount
<b>1D0068 *</b>	<b>8600889 *</b>	<b>AVI555P *</b>	A24P160	24SI 12V 160amps PAD Mount

LEECE NEVILLE #	LOAD HANDLER #	DESCRIPTION
<b>110-555JH0 *</b>		555J 12V 170amps J180 Mount
<b>110-555PH0 *</b>		555P 12V 170amps PAD Mount
	<b>A1737B *</b>	12V 70amps Spool Refrigeration Applications - 17mm Shaft
	<b>A1738B *</b>	12V 70amps Spool Refrigeration Applications - 88.4mm Pulley Dia.

**\* In Stock Items**

## STARTERS

**NEW NO CORE REQUIRED**



GAMMA USA #	DELCO REMY #	LEECE NEVILLE #	LOAD HANDLER #	DESCRIPTION
<b>2D0004 *</b>	10461045	M125601		40MT 12V 11T w/o OCP CW Pinion Pitch 6/8 Solenoid Position 052
<b>2D0006 *</b>	10478998	M125731	M423978	42MT 24V 11T w/o OCP CW Pinion Pitch 6/8 Solenoid Position 038
<b>2D000711 *</b>	<b>8300000 *</b> (Reman)	M125601	<b>M421055 *</b>	42MT 12V 11T w/o OCP CW Pinion Pitch 6/8 Solenoid Position 082
<b>2D0011 *</b>	10465043			28MT 12V 10T CW OSGR
<b>2D0042 *</b>	<b>8200308 *</b>	M110603	<b>M39308 *</b>	39 MT 12V 11T W/OCP CW Pinion Pitch 6/8 Solenoid Position 082
<b>2D0043 *</b>	<b>8200433 *</b>	M110610	<b>M39433 *</b>	39 MT 12V 12T W/OCP CW Pinion Pitch 8/10 Solenoid Position 082
<b>2D0044 *</b>	8200330	M105702	M39330	39MT 24V 11T W/OCP CW Pinion Pitch 6/8 Solenoid Position 082
<b>2D0064 *</b>	<b>8200434 *</b>	M110604	M39434	39 MT 12V 12T W/OCP CW Pinion Pitch MOD 3.00 Solenoid Position 292.5

## BOSCH STYLE

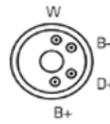
### 1B0002 SO

DAF 75/85/95, MAN F/G/L/M Series, Buses, Mercedes Benz Truck LK/LN/LP/MK/NG/SK Series, Renault Magnum Truck • 4.1L 1982-2001

**24V, 80 Amps, CW, Spool, IR/EF, W/O Pulley, Lester 12585**



**936**



#### REPAIR COMPONENTS

<b>Rectifier</b>	GMIBR314
<b>Regulator</b>	GMIB381
<b>Rotor</b>	1B5004
<b>Stator</b>	1B4000

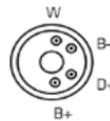
### 1B0028 SO

Mercedes L1113, L1116, L1117, L1316, L1317, L1319, L1419, L1516, LA1113, LA1117, LP1219 Standard • OM352, OM366 1985-1993

**12V, 55 Amps, CW, Spool, IR/EF, W/O Pulley, Lester 14391, 14490**



**936**



#### REPAIR COMPONENTS

<b>Rectifier</b>	GMIBR304
<b>Regulator</b>	GMIB359
<b>Rotor</b>	1B5005
<b>Stator</b>	1B4005

## DELCO 10SI STYLE

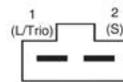
### 1D000124V SO

Delco 10SI Series • 24V  
Replaces Delco 10480060

**24V, 40 Amps, CW, Spool, IR/EF, 1-Groove Pulley, Lester 7176**



**151**



#### REPAIR COMPONENTS

<b>Rectifier</b>	GMDR5040/1D7000
<b>Regulator</b>	GMD30/1D6002

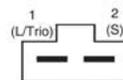
### 1D0001DP SO

Delco 10SI Series Double Pulley • 12V  
Replaces Delco 1100166

**12V, 63 Amps, CW, Spool, IR/EF, 2-Groove Pulley, Lester 7127**



**151**



#### REPAIR COMPONENTS

<b>Brush Holder</b>	1D3005
<b>Rectifier</b>	GMDR5040/1D7000
<b>Regulator</b>	1D6000HD/GMD101
<b>Rotor</b>	1D5009/1D5010
<b>Stator</b>	1D4000

## DELCO 10SI STYLE

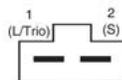
### 1D0001SP <sup>SO</sup>

Delco 10SI Series Single Pulley • 12V  
Replaces Delco 1100166

**12V, 63 Amps, CW, Spool, IR/EF, 1-Groove Pulley, Lester 7127**



**151**



#### REPAIR COMPONENTS

<b>Brush Holder</b>	1D3005
<b>Rectifier</b>	GMDR5040/1D7000
<b>Regulator</b>	1D6000HD/GMD101
<b>Rotor</b>	1D5009/1D5010
<b>Stator</b>	1D4000

## DELCO 21SI STYLE

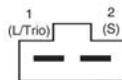
### 1D0019

Delco 21SI • 12V  
Replaces Delco 19010110

**12V, 145 Amps, CW, J-180, IR/EF, W/O Pulley, Lester 7665, 8023, 8028**



**151**



#### REPAIR COMPONENTS

<b>Brush Holder</b>	1D3002
<b>Rectifier</b>	GMDR5173/1D7003
<b>Regulator</b>	GMD27/1D6001
<b>Rotor</b>	1D5006
<b>Stator</b>	1D4002/1D4003/1D4009

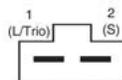
### 1D0024

Delco 21SI Series • 24V  
Replaces Delco 19010111

**24V, 70 Amps, CW, J-180, IR/EF, W/O Pulley, Lester 7642, 8003**



**151**



#### REPAIR COMPONENTS

<b>Brush Holder</b>	1D3002
<b>Rectifier</b>	GMDR5173/1D7003
<b>Regulator</b>	GMD30/1D6002
<b>Rotor</b>	1D5011/1D5017
<b>Stator</b>	1D4008

## DELCO 22SI STYLE

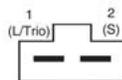
### 1D0027

Delco 22SI Series • 12V  
Replaces Delco 19020310

**12V, 145 Amps, CW, J-180, IR/EF, W/O Pulley, Lester 8076**



**151**



#### REPAIR COMPONENTS

<b>Brush Holder</b>	1D3003
<b>Rectifier</b>	GMDR5177/GMDR5183
<b>Regulator</b>	GMD21
<b>Rotor</b>	1D5006
<b>Stator</b>	1D4009/1D4019

\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.

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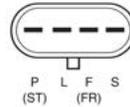
## DELCO 24SI STYLE

### 1D0057

Delco 24SI • 24V  
Replaces Delco 8600017  
**24V, 70 Amps, CW, J-180, IR/IF, W/O Pulley, Lester 8709**



**314**



#### REPAIR COMPONENTS

**Rectifier** GMDR2402  
**Regulator** GMD4476

### 1D0067

Delco 24SI HP Series • 12V  
Replaces Delco 30004VL, 8600310  
**12V, 160 Amps, CW, J-180, IR/IF, W/O Pulley, Lester 8718**



**"B" CIRCUIT** There is a Direct Connection From B+ to Sense Terminal  
Note: B- for the Brush Low Side Note: The Other Terminal is the Drive for the High Side Drive Condition

#### REPAIR COMPONENTS

### 1D0068

Delco 24SI HP Series • 12V 1996-2007  
Replaces Delco 8600889  
**12V, 160 Amps, CW, Pad, IR/IF, W/O Pulley, Lester 8719**



**"B" CIRCUIT** There is a Direct Connection From B+ to Sense Terminal  
Note: B- for the Brush Low Side Note: The Other Terminal is the Drive for the High Side Drive Condition

#### REPAIR COMPONENTS

## DELCO 28SI STYLE

### 1D0051

Delco 28SI Series • 12V  
Replaces Delco 8600314  
**12V, 200 Amps, CW, Pad, IR/IF, W/O Pulley, Lester 8741**



**"B" CIRCUIT** There is a Direct Connection From B+ to Sense Terminal  
Note: B- for the Brush Low Side Note: The Other Terminal is the Drive for the High Side Drive Condition

#### REPAIR COMPONENTS

**Rectifier** GMDR2801  
**Regulator** GMD1332

\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.  
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## DELCO 28SI STYLE

### 1D0054

Delco 28SI Series • 12V  
Replaces Delco 8600313

**12V, 200 Amps, CW, J-180, IR/IF, W/O Pulley, Lester 8743**



**"B" CIRCUIT** There is a Direct Connection From B+ to Sense Terminal  
Note: B- for the Brush Low Side Note: The Other Terminal is the Drive for the High Side Drive Condition

#### REPAIR COMPONENTS

**Rectifier** GMDR2801  
**Regulator** GMD1332

## DELCO 35SI STYLE

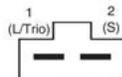
### 1D0065

Delco 35SI Series • 12V  
Replaces Delco 8600066

**12V, 140 Amps, CW/CCW, Pad, IR/EF, W/O Pulley, Lester 8095, 8097, 8579, 8587, 8595, 8596, 8597, 8609**



**151**



#### REPAIR COMPONENTS

**Rectifier** GMDR5174/GMDR5186  
**Regulator** GMD21  
**Stator** 1D4015

## DENSO STYLE

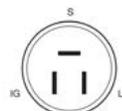
### 1J0113

John Deere Tractors 7000, 8000, 9000 Series Type Isuzu • 6-414, 6-643, 6-466 Diesel Engine 1993>

**12V, 140 Amps, CW, Spool, IR/IF, 8-Groove Pulley, Lester 12195**



**280**



#### REPAIR COMPONENTS

**Brush Holder** 1J3001  
**Rectifier** GMINR733/GMINR738  
**Regulator** GMIN436/GMIN438  
**Rotor** 1J5009  
**Stator** 1J4015

\*S0: Special Order Item. Please contact your sales representative for more information of how to order this item.

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## HITACHI STYLE

### 1J0001A SO

Isuzu N Series Double Pulley • 12V  
**24V, 40 Amps, CW, J-180, ER/EF, 2-Groove Pulley, Lester 23431**



**350**



#### REPAIR COMPONENTS

<b>Rectifier</b>	GMIHR723
<b>Regulator</b>	GMIH253V
<b>Rotor</b>	1J5000
<b>Stator</b>	1J4000

### 1J0003A SO

Chevrolet W4500 Tiltmaster / Isuzu NPR Double Pulley • 12V 3.9L 1986-1990  
**12V, 75 Amps, CW, J-180, ER/EF, 2-Groove Pulley, Lester 14735**



**350**



#### REPAIR COMPONENTS

<b>Rectifier</b>	GMIHR723
<b>Regulator</b>	GMIH252V
<b>Rotor</b>	1J5010/1J5011
<b>Stator</b>	1J4011

### 1J0027 SO

Isuzu NPR • 24V 4HF1 & Varios Eng. 1994-2001  
**24V, 60 Amps, CW, J-180, IR/EF, 3-Groove Pulley, Lester 12717**



**350**



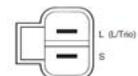
#### REPAIR COMPONENTS

### 1J0033

Isuzu NHR,NKR, Industrial, D-Max / Vauxhall 4JA1 • 2.5L/4HJ1, 4JA1 2001-2018  
**12V, 80 Amps, CW, J-180, IR/IF, 1-Groove Pulley, Lester 20095**



**300**



#### REPAIR COMPONENTS

<b>Regulator</b>	GMIH748
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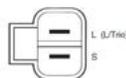
## HITACHI STYLE

### 1J0033-100 NEW

Isuzu ELF NHR • 12V • 5.0L 4JH1 2002-  
**12V, 100 Amps, CW, J-180, IR/IF, 1-Groove Pulley, Lester 23993**



**300**



#### REPAIR COMPONENTS

- Brush Holder** 1J0034
- Rectifier** GMIHR769
- Regulator** GMIH748
- Stator** 1J4014

### 1J0100 SO

Isuzu NPR, NQR / Chevrolet W Series • 4.8L 4HE1/4HK1, 5.2L 4HK1 Diesel 2003-2006  
**12V, 110 Amps, CW, J-180, IR/EF, 3-Groove Pulley, Lester 12536N**



**300**



#### REPAIR COMPONENTS

- Rectifier** GMIHR768
- Regulator** GMIH748
- Stator** 1J4014

### 1J0111 SO

Isuzu NPR, NQR Reward w/o Pump • 24V 4HE1 4HF1 4HK1 1994-2001  
**24V, 80 Amps, CW, J-180, IR/EF, 7-Groove Pulley**



**300**



#### REPAIR COMPONENTS

- Rectifier** GMRH-115
- Regulator** GMIH785/GMRV-H049B
- Rotor** 1J5015
- Stator** 1J4019

### 1J0112 SO

Isuzu Reward w/Pump • 24V 4HE1 4HF1 4HK1 Eng. 1994-2001  
**24V, 80 Amps, CW, J-180, IR/EF, 3-Groove Pulley, Lester 12718**



**300**



#### REPAIR COMPONENTS

- Rectifier** GMRH-115
- Regulator** GMIH785/GMRV-H049B
- Rotor** 1J5015
- Stator** 1J4019

\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.

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## MITSUBISHI STYLE

### 1J0004 SO

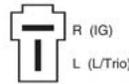
Mitsubishi Fuso Canter FB, FE • 24V 3.3L 4D30/4DR5 1984-1989  
**24V, 50 Amps, CW, J-180, ER/EF, 2-Groove Pulley, Lester 12551, 12641**

#### REPAIR COMPONENTS

**Rectifier** GMIMR8047/GMIMR8545  
**Regulator** GMIM212  
**Rotor** 1J5003



**192**



### 1J0067 SO

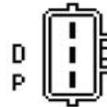
Nissan Frontier, Pathfinder, Xterra • 4.0L 4 & 6 Cyl. 2005>  
**12V, 110 Amps, CW, J-180, IR/IF, 7-Groove Pulley, Lester 11121**

#### REPAIR COMPONENTS

**Rectifier** GMIHR785  
**Regulator** GMIH741  
**Stator** 1J4012



**325**



## MOTORCRAFT STYLE

### 1F0003DP SO

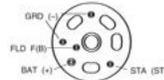
Ford 640 • 3.9L 6 Cyl., 4.7L, 5.0L, 5.8L, 7.0L 8 Cyl. 1964-1972  
**12V, 55 Amps, CW, Spool, ER/EF, Double Pulley, Lester 7058**

#### REPAIR COMPONENTS

**Brush Holder** 1F3001  
**Rectifier** GMFR1040/GMFR1046/GMFR1070/  
 GMFR1080  
**Regulator** GMF540E/1F6000HD  
**Stator** 1F4002



**410**



## NIKKO STYLE

### 1J0110 SO

Isuzu 6HK1, 6BD1, FSR-11, FRR-11 M/N Forward  
**24V, 50 Amps, CW, J-180, IR/EF, 2-Groove Pulley, Lester 12744**

#### REPAIR COMPONENTS

**Rectifier** GMIMR8581  
**Regulator** GMIM843



**301**



\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.  
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## BOSCH STYLE

### 2B0002 SO

Excavators, Iveco Trucks 110.16A, 130.16A, 80.16A • 24V Deutz Eng. BF6L913  
1986-1991

**24V, 4.0 KW, 9T, CW, DD 368, Lester 17073**



#### REPAIR COMPONENTS

<b>Armature</b>	2B5003
<b>Brush Holder</b>	2B3000
<b>Solenoid</b>	2B2005

### 2B0012 SO

Dodge Sprinter 2500, 3500 / Mercedes E320 / SsangYong Korando • 2.7L, 3.5L  
2005>

**12V, 2.2 KW, 10T, CW, PMGR, Lester 18360**



#### REPAIR COMPONENTS

<b>Solenoid</b>	2B2008
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### 2B0027 SO

Perkins Various Models • 103-13, 103-15 3 Cyl. / 104-19, 104-22 4 Cyl. / 404C-22 4  
Cyl. IOPU G/T

**12V, 2.0 KW, 9T, CW, PMGR, Lester 18949**



#### REPAIR COMPONENTS

<b>Solenoid</b>	SL1573/2B2001/2B2011
<b>Starter Drive</b>	2B81033

## DELCO 28MT STYLE

### 2D0011

Delco 28MT Series • 12V  
Replaces Delco 10465026, 1113276

**12V, 2.5 KW, 10T, CW, OSGR, Lester 6573**



#### REPAIR COMPONENTS

<b>Armature</b>	2D5000
<b>Brush Holder</b>	2D3000
<b>Field Coil</b>	2D0501/2D1210
<b>Housing</b>	2D8404
<b>Repair Kit</b>	2D2610
<b>Solenoid</b>	2D2000/2D2000US
<b>Starter Drive</b>	2D8005

\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.  
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## DELCO 29MT STYLE

### 2D0069 NEW

Cummins 6.7 ISB, Mercedes, Thomas Built 07-15 - Pinion Drive 1.574 in / 40mm  
Replaces Delco 8200196

**12V, 3.0-3.3 KW, 10T, CW, PLGR, Lester 6963N**



#### REPAIR COMPONENTS

<b>Brush Holder</b>	2D3011
<b>Armature</b>	2D5020
<b>Field Coil</b>	2D0505
<b>Housing</b>	10515823
<b>Repair Kit</b>	10515811, 10527547, 10526608
<b>Solenoid</b>	2D2017, 2D2023, 2D2038
<b>Pinion Drive</b>	2D812957

## DELCO 38MT STYLE

### 2D0026

Delco 38MT Series • 12V  
Replaces Delco 19026029

**12V, 4.6 KW, 12T, CW, PLGR, Lester 6808 / 6859**



#### REPAIR COMPONENTS

<b>Brush Holder</b>	2D3008
<b>Housing</b>	2D8461
<b>Solenoid</b>	2D2014/2D2102

## DELCO 39MT STYLE

### 2D0042

Delco 39MT Series • 12V  
Replaces Delco 8200308

**12V, 7.2 KW, 11T, CW, PLGR, Lester 6924**



#### REPAIR COMPONENTS

<b>Brush Holder</b>	2D3013
<b>Field Coil</b>	2D0502
<b>Housing</b>	2D8475
<b>Solenoid</b>	2D2015/2D2101

### 2D0043

Delco 39MT Series • 12V  
Replaces Delco 8200433

**12V, 7.2 KW, 12T, CW, PLGR, Lester 6907**



#### REPAIR COMPONENTS

<b>Brush Holder</b>	2D3013
<b>Field Coil</b>	2D0502
<b>Housing</b>	2D8475

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## DELCO 39MT STYLE

### 2D0044

Delco 39MT Series • 24V  
Replaces 8200330

**24V, 9.0 KW, 11T, CW, PLGR, Lester 6837**



#### REPAIR COMPONENTS

<b>Brush Holder</b>	2D3013
<b>Field Coil</b>	2D0504
<b>Housing</b>	2D8475
<b>Solenoid</b>	2D2016/2D2100

### 2D0045

Delco 39MT Series • 24V  
Replaces Delco 8200435

**24V, 9.0 KW, 12T, CW, PLGR, Lester 6823**



#### REPAIR COMPONENTS

<b>Brush Holder</b>	2D3013
<b>Field Coil</b>	2D0504
<b>Housing</b>	2D8475
<b>Solenoid</b>	2D2016/2D2100

### 2D0064

Delco 39MT Series • 12V  
Replaces Delco 8200434

**12V, 7.3 KW, 12T, CW, 39MT, Lester 6919**



#### REPAIR COMPONENTS

## DELCO 40MT STYLE

### 2D0004

Delco 40MT Series • 12V  
Replaces Delco 1990483

**12V, 7.0 KW, 11T, CW, DD, Lester 3974**



#### REPAIR COMPONENTS

<b>Armature</b>	2D5003
<b>Brush Holder</b>	2D3001/2D3002
<b>Field Coil</b>	2D1204
<b>Housing</b>	2D8467
<b>Repair Kit</b>	2D2500/2D2504/2D2604/2D2607
<b>Solenoid</b>	2D2002/2D2007/2D2007US
<b>Starter Drive</b>	2D8002
<b>Stationary Contact</b>	2D2301

\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.  
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## DELCO 42MT STYLE

### 2D0006

Delco 42MT Series • 24V  
Replaces Delco 10478998  
**24V, 8.0 KW, 11T, CW, DD, Lester 6370**



#### REPAIR COMPONENTS

<b>Armature</b>	2D5006
<b>Brush Holder</b>	2D3003
<b>Field Coil</b>	2D1205/2D5501
<b>Housing</b>	2D8471
<b>Repair Kit</b>	2D2601
<b>Solenoid</b>	2D2003/2D2004/2D2003US/2D2004US
<b>Starter Drive</b>	2D8002
<b>Stationary Contact</b>	2D2300

### 2D0007

Delco 42MT Series • 12V  
Replaces Delco 1990379  
**12V, 7.0 KW, 12T, CW, DD, Lester 6371**



#### REPAIR COMPONENTS

<b>Armature</b>	2D5005
<b>Brush Holder</b>	2D3003
<b>Field Coil</b>	2D1206
<b>Housing</b>	2D8471
<b>Repair Kit</b>	2D2502/2D2602/2D5501
<b>Solenoid</b>	2D2005/2D2005US
<b>Starter Drive</b>	2D8003
<b>Stationary Contact</b>	2D2300

### 2D000711

Delco 42MT Series • 12V  
Replaces Delco 1990483  
**12V, 7.0 KW, 11T, CW, DD, Lester 6356**



#### REPAIR COMPONENTS

<b>Armature</b>	2D5005
<b>Brush Holder</b>	2D3003
<b>Field Coil</b>	2D1206
<b>Housing</b>	2D8471
<b>Repair Kit</b>	2D2502/2D2602/2D5501
<b>Solenoid</b>	2D2005/2D2005US
<b>Starter Drive</b>	2D8002
<b>Stationary Contact</b>	2D2300

## DENSO STYLE

### 2J0004 SO

Chevrolet Luv / GMC S15 / Isuzu Pickup, Trooper / Tractor Kubota / Forklifts Yale, Hyster • 2.2L 4 Cyl. 1981-1987  
**12V, 2.0 KW, 9T, CW, OSGR, Lester 16739**



#### REPAIR COMPONENTS

<b>Armature</b>	2J5007
<b>Brush Holder</b>	2J3006
<b>Field Coil</b>	2J0505
<b>Solenoid</b>	2J2351
<b>Starter Drive</b>	2J8003/2J8502
<b>Stationary Contact</b>	2J2301/2J2400/2J2404

\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.  
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## DENSO STYLE

### 2J0023WH-12 SO

Universal / Hino FA14, FA1415, FA15, FB14, FB15, FB1715 w/o Housing • 12V L4 3.8L 1987-1997

**12V, 2.5 KW, 11T, CW, OSGR, Lester 17292**



#### REPAIR COMPONENTS

<b>Armature</b>	2J5003/2J5003B
<b>Brush Holder</b>	2J3005
<b>Field Coil</b>	2J1204
<b>Solenoid</b>	2J2003/2J2351
<b>Starter Drive</b>	2J8001
<b>Stationary Contact</b>	2J2300/2J2400/2J2403

### 2J0023WH-24 SO

Denso OSGR Series w/o Housing • 24V

**24V, 4.5 KW, 11T, CW, OSGR, Lester 19954 / 19955**



#### REPAIR COMPONENTS

<b>Armature</b>	2J5000
<b>Brush Holder</b>	2J3005
<b>Field Coil</b>	2J0502
<b>Solenoid</b>	2J2033/2J2352
<b>Starter Drive</b>	2J8001
<b>Stationary Contact</b>	2J2300/2J2400/2J2403

### 2J0064 SO

Isuzu NPR, NQR • 4.8L, 5.2L / 4BD2, 4HE1, 4HF1 1999-2006

**12V, 3.5 KW, 11T, CCW, OSGR, Lester 18500**



#### REPAIR COMPONENTS

<b>Armature</b>	2J5030
<b>Brush Holder</b>	2J3008
<b>Field Coil</b>	2J0500
<b>Solenoid</b>	2J2351
<b>Starter Drive</b>	2J8021
<b>Stationary Contact</b>	2J2300/2J2403

### 2J0130 NEW

Cummins ISB / Dyna / Blue Bird / Ottawa • 12V • 6.7L 1987-

**12V, 2.7 KW, 11T, CW, PLGR, Lester 19120**



#### REPAIR COMPONENTS

<b>Armature</b>	2J5054
<b>Brush Holder</b>	2J3040
<b>Field Coil</b>	2812051060
<b>Solenoid</b>	2J2045
<b>Starter Drive</b>	2J8024

\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.

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## FORD STYLE

### 2F0025 SO

Ford F-150, 350, Heritage • 4.2L 6 Cyl. PMGR 1999>  
**12V, 1.4 KW, 10T., CW, PMGR, Lester 6647**



#### REPAIR COMPONENTS

**Armature** 2F5002

## HITACHI STYLE

### 2J0007 SO

Nissan Truck F05, FD6 180, 200/ UD 1300, 1400, 1800CS • 24V L4 4.7L 2005-2008  
**24V, 4.5 KW, 11T, CW, OSGR, Lester 18059**



#### REPAIR COMPONENTS

**Armature** 2J5002  
**Brush Holder** 2J3000/2J3014  
**Field Coil** 2J1201  
**Solenoid** 2J2010/2J201224  
**Starter Drive** 2J8020

### 2J0008 SO

Isuzu Industrial, NPR / JAC Truck • 24V 4BC1 4BC2 4BA1 4BD1 4BD1T C190 C240  
**24V, 3.5 KW, 9T, CW, OSGR, Lester 18284**



#### REPAIR COMPONENTS

**Armature** 2J5011  
**Solenoid** 2J201224  
**Starter Drive** 2J8009

### 2J0030 SO

Nissan Cabstar, D21 Pickup, TD27, Urvan Diesel • 2.3L, 2.5L D TD 1987-2001  
**12V, 2.0 KW, 9T, CW, OSGR, Lester 30726**



#### REPAIR COMPONENTS

**Armature** 2J5021/2J5028/2J5042  
**Brush Holder** 2J3000/2J3014  
**Solenoid** SL1981  
**Starter Drive** 2J8018

## LUCAS STYLE

### 2E0001 SO

Lucas M50 Ford 3000, 5000 Tractor  
**12V, 2.8 KW, 10T, CW, DD, Lester 16608**



#### REPAIR COMPONENTS

<b>Armature</b>	2E5000/2E5001
<b>Brush Holder</b>	2E3000/2E3001
<b>Field Coil</b>	2E1201
<b>Solenoid</b>	2E2001/2E2002
<b>Starter Drive</b>	2E8000/2E8001

## MITSUBISHI STYLE

### 2J0001 SO

Mitsubishi Fuso Canter FB, FE • 24V 3.3L 4D30/4DR5 1984-1989  
**24V, 3.2 KW, 9T, CW, OSGR, Lester 18241**



#### REPAIR COMPONENTS

<b>Armature</b>	2J5001
<b>Brush Holder</b>	2J3018
<b>Field Coil</b>	2J1202
<b>Housing</b>	2J1501
<b>Solenoid</b>	2J2001
<b>Starter Drive</b>	2J8002/2J8006/2J8505

### 2J0014 SO

Mitsubishi Commercial & Fuso Canter FE 507, 515, 649 ,659 • 24V 4D33-34 1995  
**24V, 3.2 KW, 9T, CW, PLGR, Lester 18962**



#### REPAIR COMPONENTS

<b>Armature</b>	2J5009
<b>Brush Holder</b>	2J3022
<b>Starter Drive</b>	2J8004

### 2J0072 SO

Nissan UD 35, UD40 • 24V FD42, FD46, FD46T  
**24V, 5.0 KW, 11T, CW, OSGR, Lester 18058, 19978**



#### REPAIR COMPONENTS

<b>Armature</b>	2J5002
<b>Housing</b>	2J1201
<b>Solenoid</b>	2J2010/2J201124
<b>Starter Drive</b>	2J8020

\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.

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**mitsubishi style**

**2J0077** **SO**

Kobelco Excavator SK200, 210 / New Holland Excavator E160 • 24V 1999-2014  
**24V, 4.2 KW, 11T, CW, PLGR, Lester 18539**

**REPAIR COMPONENTS**

<b>Armature</b>	2J5049
<b>Solenoid</b>	2J2029
<b>Starter Drive</b>	2J8004



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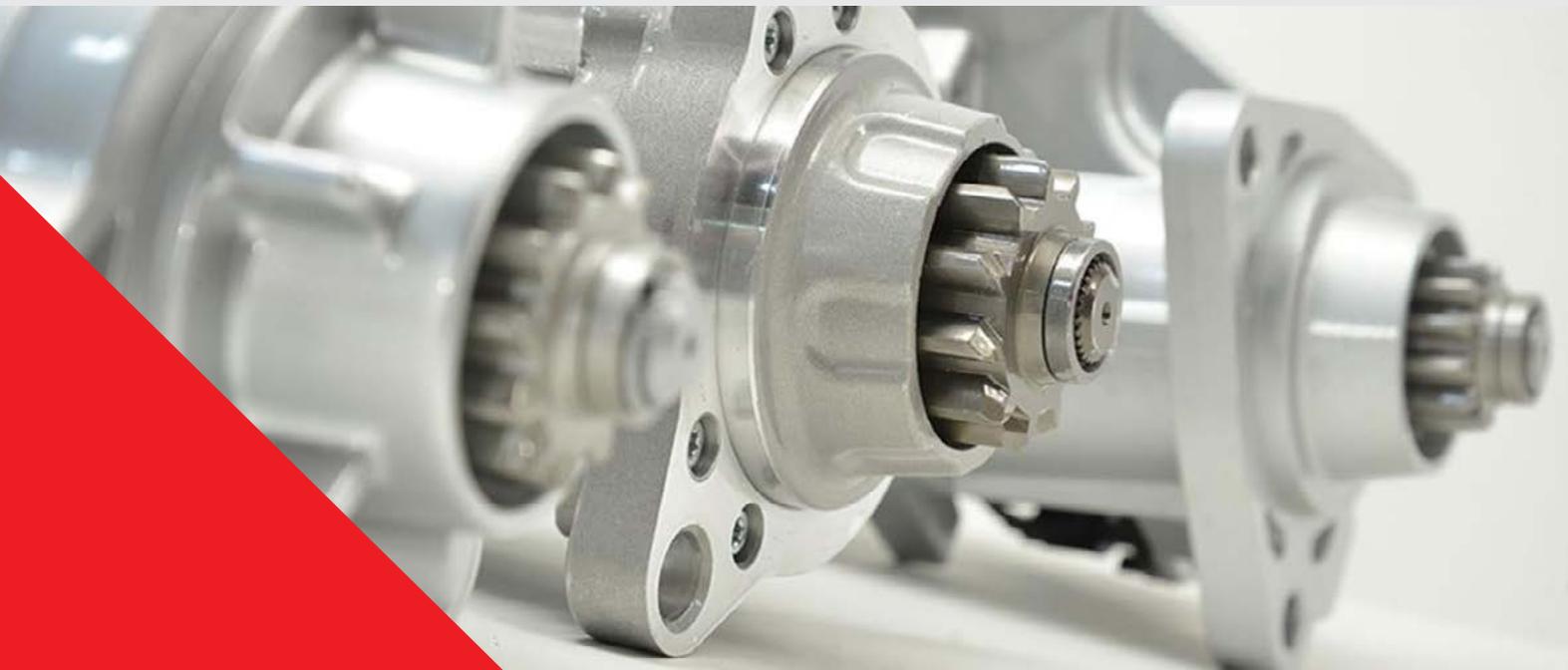


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# HEAVY DUTY STARTERS & ALTERNATORS





**8200308**



**1115701**



**19020307**

PART No	DESCRIPTION
<b>10527709</b>	28SI Parts
<b>10512093</b>	38MT Parts
<b>10536754</b>	39MT Parts
<b>10502036</b>	42MT Hardware Kit
<b>19020310</b>	Alternator 22SI 12V 150A J-180 Mount
<b>19020307</b>	Alternator 22SI 24V 70A J-180 Mount
<b>8600310</b>	Alternator 24SI 12V 160A J-180 Mount
<b>8600889</b>	Alternator 24SI 12V 160A Pad Mount
<b>1117733</b>	Alternator 30SI 32V 60A J-180 Mount
<b>8600066</b>	Alternator 35SI 12V 140A Pad Mount
<b>8600339</b>	Alternator 40SI 12V 240A J-180 Mount Brushless
<b>1988121</b>	Brush Plate Assembly
<b>1988126</b>	Ce Housing Assembly
<b>10468110P</b>	Field Coil Assembly
<b>1988111</b>	Field Coil Assembly
<b>10511408</b>	Kit Solenoid 39MT 12V
<b>8200077</b>	Motor 38MT 12V
<b>10515814</b>	Package-Service
<b>10526610</b>	Part 39MT Hardware Pkg
<b>10529638</b>	Pkg Brush 39MT 12/24V
<b>10511404P</b>	Pkg Fr and Field 39MT 12V
<b>10511414</b>	Pkg lms 39MT 12V
<b>10511353</b>	Press Fit Flex-Lead Diode 12V
<b>1116433</b>	Regulator
<b>10527694</b>	Regulator 24SI 12V
<b>10527711P</b>	Regulator Specification
<b>10500435</b>	Roller Bearing
<b>1115593</b>	Solenoid 12V
<b>1115701</b>	Solenoid 12V
<b>10537417</b>	Solenoid Kit 39MT 12V
<b>19011403</b>	Starter 12V 9T 29MT
<b>8200295</b>	Starter 29MT 12V CW 9T MOD 3.0
<b>8201100</b>	Starter 39MT 12V 12T Replaces 8200417
<b>8200289</b>	Starter 39MT 12V CW 11T 6/8
<b>8200308</b>	Starter 39MT 12V CW 11T 6/8
<b>8200433</b>	Starter 39MT 12V CW 12T 8/10
<b>8200434</b>	Starter 39MT 12V CW 12T MOD 3.00
<b>8200330</b>	Starter 39MT 24V CW 11T 6/8
<b>8300000</b>	Stater 42MT Coreless Reman 12V CW 11T
<b>10491242</b>	Stator 33/34SI

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# ALTERNATORS & COMPONENTS

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**110-555JH0**



**110-555PH0**



**AVI555J**



**AVI555P**



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**M105R SERIES**



**M110R SERIES**



**M125R SERIES**



**MS1 SERIES**

# STARTERS & COMPONENTS



**110-555PHO**



**AVI555J**

PART No	DESCRIPTION
<b>110-459</b>	Alternator 24V CW 110A J-180 Mount - Int Reg E-Coated 8LHA3096U
<b>110-912</b>	Alternator 12V 160A Int Reg Pad Mount
<b>110-775P</b>	Alternator 12V 170A Int Reg Pad Mount
<b>LBP2391-ISO</b>	Alternator 12V 170A Int Reg Pad Mount
<b>110-581</b>	Alternator 12V 23A Spool Mount - Replaces 8MR2215D
<b>110-631</b>	Alternator 12V 65A CW Replaces 8MR2341
<b>110-600</b>	Alternator 12V 65A Spool Mount - Replaces 8MR2185L
<b>110-555JHO</b>	Alternator 12V CW 160A J-180 Mount
<b>110-555PHO</b>	Alternator 12V CW 160A Pad Mount
<b>AVI555J</b>	Alternator 12V CW 170A J-180 Mount
<b>AVI555P</b>	Alternator 12V CW 170A Pad Mount
<b>BLP2310GH</b>	Alternator 14V 160A Int Reg Pad Mount
<b>110-446</b>	Alternator 24V 75A Int Reg Insulated
<b>110-431</b>	Alternator 24V CW 150A J-180 Mount / 8SC3160V
<b>8HC3022FAS</b>	Alternator 8HA/8HC 24V 35A Spool Mount
<b>A010077650</b>	Brush Holder
<b>103450</b>	Regulator Assembly
<b>102200</b>	Regulator Kit
<b>8RG2112AS</b>	Regulator-12V 7A
<b>S214710108S</b>	Solenoid Assy
<b>M110R2608SE</b>	Starter M110 Series 12V CW 12T 7.0KW



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ELECTRIC®  
— USA —

A division of SAP USA Truck & Auto Parts®



# PREMIUM GAUGES

## AMMETERS

	<b>GAM-U6101</b> <b>NEW</b>	Ammeter - Ø52mm (2") - Range <b>60-0-60</b> - Black Dial - Bezel Chrome - Thick Bolts Replaces VDO 190-037-002G, Stewart Warner 284A
	<b>GAM-U6501</b> <b>NEW</b>	Ammeter - Ø52mm (2") - Range <b>100-0-100</b> - Black Dial - Bezel Chrome - Thick Bolts Replaces VDO A2C3833070025, Stewart Warner 284AA

## HOURMETERS

	<b>GAM-L8300</b> <b>NEW</b>	LCD Hourmeter - Ø52mm (2") <b>10-80V, Non-Illuminated</b> - Black Dial - Bezel Chrome Replaces VDO 62512452, Stewart Warner 86002
	<b>GAM-L8500</b> <b>NEW</b>	DC Hourmeter - Ø52mm (2") - <b>12/24V</b> - Range 9999.9 Hours <b>w/Charging Light</b> - Black Dial - Bezel Chrome Replaces VDO A2C59510876-S, Stewart Warner 83502

## RPM METERS - ELECTRONIC

	<b>GAM-T041014</b> <b>NEW</b>	Electronic RPM Meter Input Signal: Alternator "W" Terminal with Calibration Tuner, Ø52mm (2") <b>0-4000rpm</b> - 12/24V - Black Dial Replaces VDO A2C3833030001
	<b>GAM250014</b> <b>NEW</b>	Electronic RPM-Cum-Hour Meter - Ø85mm (3 3/8") <b>0- 4000rpm</b> - 12/24V - Black Dial - Bezel Chrome - LCD Type Replaces VDO A2C3832990010
	<b>GAM911014</b> <b>NEW</b>	Electronic RPM-Cum-Hour Meter - Ø85mm (3 3/8") <b>0-3500rpm</b> - 12/24V - Black Dial - Bezel Chrome Replaces VDO 333-035-010G, Stewart Warner 82641

## RPM METERS - MECHANICAL

	<b>GAM-T6521</b> <b>NEW</b>	Mechanical Hour-Cum-RPM Meter - Ø85mm (3 3/8") <b>0-3500rpm</b> - Ratio 1:2 - 5/8" 18UNF - Black Dial - Bezel Chrome Replaces VDO 225-0283 CAT, Stewart Warner 82690
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## FUEL SENDING UNITS

	<p><b>GAM-G3100</b> <b>NEW</b></p>	<p>Fuel Sending Unit 54mm 6"-24" Tank Depth Adjustable w/Installation kit Replaces VDO 226002, Stewart Warner 114876</p>	
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## FUEL GAUGES

	<p><b>GAM-F6741</b> <b>NEW</b></p>	<p>Fuel Gauge Ø52mm (2") - <b>12V</b> 10-180 Ohms - Black Dial - Bezel Chrome (Uses GAM-G3100) Replaces VDO A2C59514092, Stewart Warner 114248</p>	
	<p><b>GAM-F6941</b> <b>NEW</b></p>	<p>Fuel Gauge Ø52mm (2") - <b>24V</b> 10-180 Ohms - Black Dial - Bezel Chrome (Uses GAM-G3100) Replaces VDO A2C59514091, Stewart Warner 114248</p>	

## OIL PRESSURE GAUGES - ELECTRIC

	<p><b>GAM-P6151</b> <b>NEW</b></p>	<p>Electric Oil Pressure Gauge - Ø52mm (2") - <b>12V</b> - 150PSI - Black Dial - Bezel Chrome (Uses Sensors GAM-TP9200, GAM-TP9300, GAM-TP9810, GAM-TP9100) 0-150PSI /0-10kp/cm Replaces VDO A2C59514117, Stewart Warner 284L</p>	
	<p><b>GAM-P6351</b> <b>NEW</b></p>	<p>Electric Oil Pressure Gauge - Ø52mm (2") - <b>24V</b> - 150PSI - Black Dial - Bezel Chrome (Uses Sensors GAM-TP9200, GAM-TP9300, GAM-TP9810, GAM-TP9100) 0-150PSI /0-10kp/cm Replaces VDO A2C59514117</p>	

## OIL PRESSURE GAUGES - MECHANICAL

	<p><b>GAM1300034</b> <b>NEW</b></p>	<p>Mechanical Switch Oil Pressure Gauge - Ø52mm (2") - 12V - 150PSI - Black Dial - Bezel Chrome Replaces Murphy 20PG</p>	
	<p><b>GAM6010025</b> <b>NEW</b></p>	<p>Mechanical Oil Pressure Gauge Ø52mm (2") 0-10 Bar 150PSI - Black Dial - Bezel Chrome Replaces VDO 150-037-013, Stewart Warner 284P</p>	

## AIR PRESSURE GAUGES - MECHANICAL

	<p><b>GAM-P6321</b> <b>NEW</b></p>	<p>Mechanical Air Pressure Gauge Ø52mm (2") 0-150PSI / 0-10kp/cm - Black Dial - Bezel Chrome Replaces VDO 150037014C, Stewart Warner 82329</p>	
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## WATER TEMPERATURE GAUGES - ELECTRIC

	<p><b>GAM-H6141</b> <b>NEW</b></p>	<p>Electric Water Temperature Gauge Ø52mm (2") - <b>24V</b> - 100-250°F / 40-120°C - Black Dial - Bezel Chrome (Uses GAM-T2510, GAM-TH2200) Replaces VDO 310 910, Stewart Warner 82306</p>	
	<p><b>GAM-H6931</b> <b>NEW</b></p>	<p>Electric Water Temperature Gauge Ø52mm (2") - <b>12V</b> - 100-250°F / 40-120°C - Black Dial - Bezel Chrome (Uses GAM-T2510, GAM-TH2200) Replaces VDO 310 909, Stewart Warner 82306</p>	

## WATER TEMPERATURE GAUGES - MECHANICAL

	<p><b>GAM-H6311</b> <b>NEW</b></p>	<p>Mechanical Water Temperature Gauge - Ø52mm (2") - Cap. <b>144"</b> - 120-260°F / 40-150°C - Black Dial - Bezel Chrome Replaces VDO 180037013C, Stewart Warner 82394-144</p>	
	<p><b>GAM-H6511</b> <b>NEW</b></p>	<p>Mechanical Water Temperature Gauge - Ø52mm (2") - Cap. <b>200"</b> - 120-260°F / 40-150°C - Black Dial - Bezel Chrome</p>	
	<p><b>GAM-H6701</b> <b>NEW</b></p>	<p>Mechanical Water Temperature Gauge - Ø52mm (2") - Cap. <b>72"</b> - 120-260°F / 40-150°C - Black Dial - Bezel Chrome Replaces VDO 180037011GM, Stewart Warner 82394-72</p>	
	<p><b>GAM-H6711</b> <b>NEW</b></p>	<p>Mechanical Water Temperature Gauge - Ø52mm (2") - Cap. <b>480"</b> - 120-260°F / 40-150°C - Black Dial - Bezel Chrome</p>	

## WATER TEMPERATURE GAUGES - MECHANICAL SWITCH

	<p><b>GAM130001</b> <b>NEW</b></p>	<p>Mechanical Switch Water Temp. Gauge - Cap. <b>72"</b> - Black Dial - For Murphy Systems Replaces Murphy 20BTG-250-6-1/2 (10702524)</p>	
	<p><b>GAM130003</b> <b>NEW</b></p>	<p>Mechanical Switch Water Temp. Gauge - Cap. <b>144"</b> - Black Dial - For Murphy Systems Replaces Murphy 20T-250-12-1/2 (10702046)</p>	
	<p><b>GAM130004</b> <b>NEW</b></p>	<p>Mechanical Switch Water Temp. Gauge - Cap. <b>200"</b> - Black Dial - For Murphy Systems Replaces Murphy 20T-250-16-1/2 (10702048)</p>	

## TRIPLE GAUGE SET - MECHANICAL

	<p><b>GAM-S3610</b> <b>NEW</b></p>	<p>Mechanical Triple Gauge Set: Water Temp - Ø52mm (2") -12V Oil Press. 72" / Voltmeter w/72" Oil Press.Kit (Black Mounting Plate) - Black Dial - Bezel Chrome</p>	
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## VOLTMETERS

	<p><b>GAM-V6331WL</b> <b>NEW</b></p>	<p>Voltmeter Ø52mm (2") <b>8-16V</b> - Black Dial - Bezel Chrome <b>w/Warning Light</b> Replaces VDO A2C59512545</p>	
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## VOLTMETERS

	<p><b>GAM-V6331WOL</b> <b>NEW</b></p>	<p>Voltmeter Ø52mm (2") <b>8-16V</b> - Black Dial - Bezel Chrome <b>w/o Warning Light</b> Replaces VDO 332-030-001G, Stewart Warner 284H</p>	
	<p><b>GAM-V6531</b> <b>NEW</b></p>	<p>Voltmeter Ø52mm (2") <b>16-32V</b> - Black Dial - Bezel Chrome Replaces VDO 332-040-001G, Stewart Warner 284A</p>	

## OIL PRESSURE SENDERS

	<p><b>GAM-TP9100</b> <b>NEW</b></p>	<p>Pressure Sender <b>0-75PSI</b> - Earth Ground - VDO Match - 1/8" NPT <b>1T</b> Replaces VDO 360-081-029-004C, Stewart Warner 279A</p>	
	<p><b>GAM-TP9200</b> <b>NEW</b></p>	<p>Oil Pressure Sender <b>0-10Bar</b> - Earth Ground - VDO Match 1/8"NPT <b>1T</b> Replaces VDO 360-081-029-012C, Stewart Warner 279C</p>	
	<p><b>GAM-TP9300</b> <b>NEW</b></p>	<p>Pressure Switch Sender <b>0-75PSI</b> - Earth Ground - VDO Match - 1/8" NPT <b>2T</b> Replaces VDO 360-081-030-010C, Stewart Warner 114891</p>	
	<p><b>GAM-TP9810</b> <b>NEW</b></p>	<p>Oil Pressure Sender <b>0-10Bar</b> - Earth Ground w/Warning Contact at 0.5 bar VDO Match 1/8"NPT <b>2T</b> Replaces VDO 360-081-030-015C, Stewart Warner 114892</p>	

## TEMPERATURE SENDER KIT

	<p><b>GAM-T2510</b> <b>NEW</b></p>	<p>Universal Temperature Sender Kit 1/8"-27 NPT Replaces VDO A2C5218491780, Stewart Warner 280EC</p>	
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## WATER TEMPERATURE SENDERS

	<p><b>GAM-TH2200</b> <b>NEW</b></p>	<p>Water Temperature Sender 1/2" Thread 14NPT Replaces VDO 323-808-002-003D*</p>	
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# ANTIFREEZE + COOLANT LONG LIFE

ANTICONGELANTE + REFRIGERANTE

**MASTER PACK** **6** **GALLONS**  
CAJA MAESTRA GALONES



## TJ5050RBG

### RED 50/50

Long Life Antifreeze+Coolant

- Protects freezing up to -34°F (-36°C) and boil-overs to 260°F (126°C)
- 6 Years or 200,000 Miles Protection
- Compatible with all Gasoline & Diesel fueled passenger cars and light duty trucks
- Meets or exceeds ASTM D3306, ASTM D4985, ASTM D6210, TMC RP 329/338, VW G11, G12, G12+ and G13



## TJ5050GRG

### GREEN 50/50

Long Life Antifreeze+Coolant

- Protects freezing up to -34°F (-36°C) and boil-overs to 226°F (107°C)
- 5 Years or 150,000 Miles Protection
- Compatible with all Gasoline & Diesel fueled passenger cars, light duty & heavy duty service
- Meets or exceeds ASTM D3306, ASTM D4985, TMC RP 302A



## TJ8020RBG

### RED 20/80

Long Life Antifreeze+Coolant

- Protects freezing up to 12°F (-11°C) and boil-overs to 230°F (110°C)
- 6 Years or 200,000 Miles Protection
- Compatible with all Gasoline & Diesel fueled passenger cars and light duty trucks
- Meets or exceeds ASTM D3306, ASTM D4985, ASTM D6210, TMC RP 329, VW G11, G12, G12+ and G13

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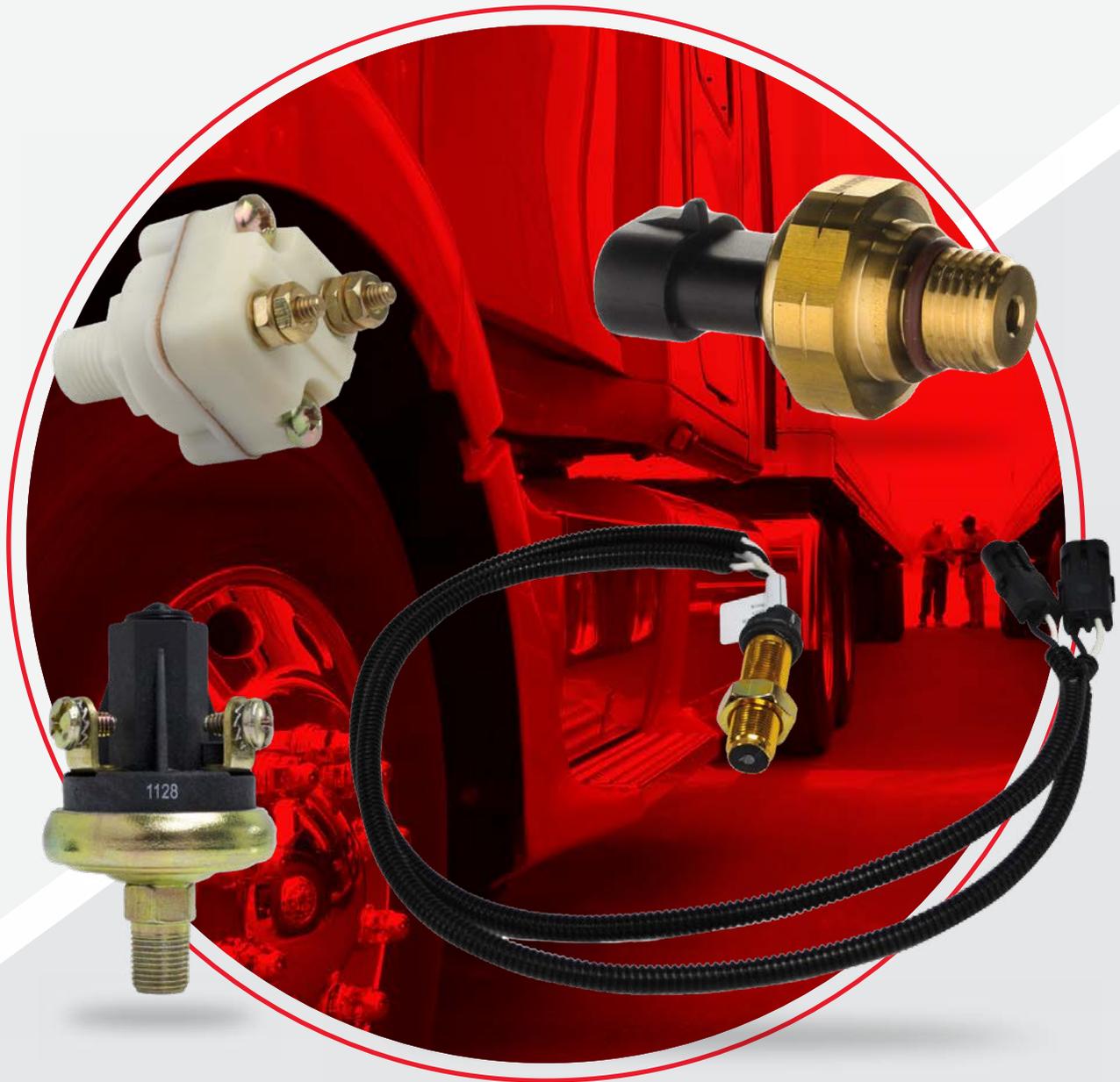
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# **SENSORS & SWITCHES**

## MAGNETIC PICKUP SENSORS

The Magnetic Pick-Up Sensor is an electro-magnetic device that senses a sudden change in a magnetic field. Used in a variety of applications from heavy-duty trucks, to refrigeration units, small utility vehicles, farm equipment, and even wood chipping units, sensors are designed to reliably measure revolution and speed.

Magnetic Pick-Up Sensors can easily be mounted to the spindle flange of the Axle or the rear of the transmission. They can be used as a speedometer sensor or mounted on the flywheel housing as a tachometer sensor. In either application the device senses a sudden change in the magnetic field that is caused by a metal protrusion on a rotating shaft, a slot on a wheel disc, the teeth of a gear or a metal indicator on a material handling system. The sine wave generated is transmitted to the speedometer or tachometer.

## FEATURES

- High output voltage signal
- Superior performance at high temperatures; out performs semiconductor-type devices
- Aluminium threaded sleeve means a more durable sensor
- Protective molded thermoset compound will not soften or deform in high temperature applications
- Reliable, heavy-duty wiring harness available
- Sensor has no moving parts and is unaffected by dirt resulting in very long service life
- Designed for use as a speedometer sensor or tachometer sensor
- Custom models available with terminal posts, connectors, or dual outputs



In this illustration the MPU sensor is installed to read the RPM or the gear teeth. The sensor magnetically reads the teeth, translates those pulses into a sine wave, and transmits electrical pulses to the instrument gauge.



## MAGNETIC PICKUP SENSORS

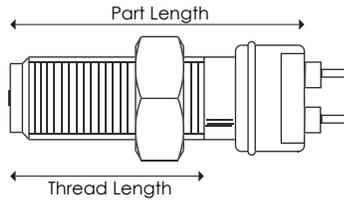
**SO**

### PROFILE A

#### ADJUSTABLE NUT WITH #8 TERMINALS (VARIABLE DEPTH)



SAP2004



PART No	DIAMETER & THREAD (in.)	BODY LENGTH (in.)	THREADED LENGTH (in.)	CABLE LENGTH (in.)	CONNECTOR	NOMINAL COIL RESISTANCE
SAP2002	3/4-16 UNF	2.03	1.16	None	8-32 NC Terminals	265 Ohm
SAP2004	3/4-16 UNF	4.37	3.5	None	8-32 NC Terminals	265 Ohm
SAP2005	3/4-16 UNF	2.66	1.79	None	8-32 NC Terminals	265 Ohm
SAP2005C	3/4-16 UNF	2.66	1.79	None	8-32 NC Terminals	265 Ohm
SAP2010	3/4-16 UNF	3.75	2.29	None	8-32 NC Terminals	265 Ohm
SAP2032	5/8-18 UNF	4.37	3.5	None	8-32 NC Terminals	675 Ohm

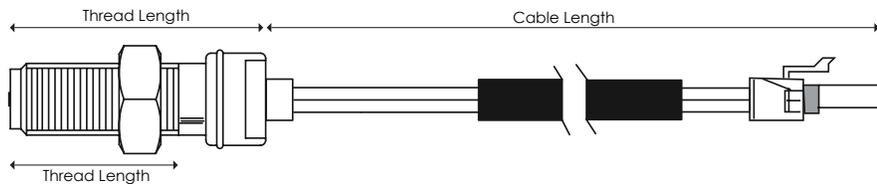
**SO**

### PROFILE B

#### ADJUSTABLE NUT WITH CABLE (VARIABLE DEPTH)



SAP2033S



PART No	DIAMETER & THREAD (in.)	BODY LENGTH (in.)	THREADED LENGTH (in.)	CABLE LENGTH (in.)	CONNECTOR	NOMINAL COIL RESISTANCE
SAP0598	3/4-16 UNF	3.16	2.29	12	Packard Electric #15300002	265 Ohm
SAP2004A	3/4-16 UNF	4.37	3.5	72	None	265 Ohm
SAP2005A	3/4-16 UNF	2.66	1.79	30.6	Packard Electric #12010973	690 Ohm
SAP2005B	3/4-16 UNF	2.66	1.79	18.6	Packard Electric #12010973	690 Ohm
SAP2005D	3/4-16 UNF	2.66	1.79	146	None	690 Ohm
SAP2005M	3/4-16 UNF	2.66	1.79	12	Packard Electric #15300002	690 Ohm
SAP2010A	3/4-16 UNF	3.75	2.29	72	None	265 Ohm
SAP2010B	3/4-16 UNF	3.75	2.29	120	None	265 Ohm
SAP2033	3/4-16 UNF	3.6	2.73	6	Packard Electric #12015792	265 Ohm
SAP2033C	3/4-16 UNF	3.6	2.56	17.7	Packard Electric #12010973	690 Ohm
SAP2033CF	3/4-16 UNF	3.6	2.56	17.7	Packard Electric #12010973	690 Ohm
SAP2033D	3/4-16 UNF	3.6	2.73	12	Cannon #120-1807-00	265 Ohm

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## MAGNETIC PICKUP SENSORS

**SO**

### PROFILE B

PART No	DIAMETER & THREAD (in.)	BODY LENGTH (in.)	THREADED LENGTH (in.)	CABLE LENGTH (in.)	CONNECTOR	NOMINAL COIL RESISTANCE
SAP2033H	3/4-16 UNF	3.6	2.56	29.5	Packard Electric #12010973	690 Ohm
SAP2033K	3/4-16 UNF	3.6	2.56	12	Packard Electric #15300002	265 Ohm
SAP2033P	3/4-16 UNF	3.6	2.56	20	None	1300 Ohm
SAP2033S	3/4-16 UNF	3.6	2.56	17.7	Packard Electric #12010973	690 Ohm
SAP2040	3/4-16 UNF	2.66	1.79	12	Packard Electric #15300002	265 Ohm
SAP2041	3/4-16 UNF	3.6	2.56	12	Packard Electric #15300002	170 Ohm
SAP2047G	M16 X 1.5	3.16	2.29	6.55	Packard Electric #12015792	575 Ohm
SAP2048	3/4-16 UNF	3.6	2.56	17.7	Packard Electric #15300002	690 Ohm
SAP2283M	M18 X 1.5 Necked Down to 0.411	2.66	0.92	8	Packard Electric #15300002	290 Ohm
SAP3233A	3/4-16 UNF	3.66	2.29	None	Mates with Packard #12162193 or #12040753	690 Ohm
SAP3233V	M18 X 1.5	3.66	2.29	None	Packard Electric #12066016. Mates with Packard #12162193 or #12040753	265 Ohm

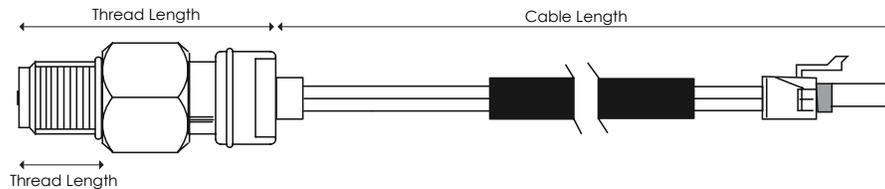
**SO**

### PROFILE C



SAP2033V

#### INTEGRAL NUT WITH CABLE (FIXED DEPTH)



PART No	DIAMETER & THREAD (in.)	BODY LENGTH (in.)	THREADED LENGTH (in.)	CABLE LENGTH (in.)	CONNECTOR	NOMINAL COIL RESISTANCE
SAP2033A	3/4-16 UNF	2.66	1.03	18	Packard Electric #12015792	265 Ohm
SAP2033B	3/4-16 UNF	2.66	0.85	18	Packard Electric #12015792	265 Ohm
SAP2033J	3/4-16 UNF	2.65	0.85	17.7	Packard Electric #12010973	265 Ohm
SAP2033V	M18 X 1.5	2.66	0.98	18	Packard Electric #12015792	265 Ohm
SAP2033W	M18 X 1.5	3.66	2.29	18	Packard Electric #12015792	690 Ohm
SAP2033X	M18 X 1.5	2.66	0.98	17.7	Packard Electric #12010973	265 Ohm

\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.

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## MAGNETIC PICKUP SENSORS

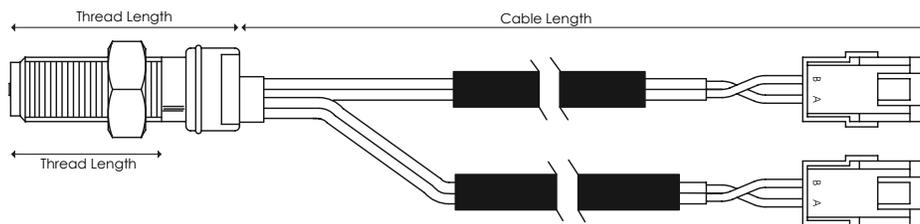
**S0**

**PROFILE D**

### ADJUSTABLE NUT WITH DUAL OUTPUT LEADS (VARIABLE DEPTH)



SAP2036A



SAP No	DIAMETER & THREAD (in.)	BODY LENGTH (in.)	THREADED LENGTH (in.)	CABLE LENGTH (in.)	CONNECTOR	NOMINAL COIL RESISTANCE
SAP2036A	3/4-16 UNF	3.16	2.29	30	Packard Electric #12010973 Dual Outputs	L1=830 Ohm L2=1220 Ohm
SAP2036B	3/4-16 UNF	3.16	2.29	1225	Packard Electric #15300002 Dual Outputs	L1=1000 Ohm L2=1000 Ohm
SAP2036C	3/4-16 UNF	3.16	2.29	1225	Packard Electric #15300002 Dual Outputs	L1=270 Ohm L2=270 Ohm
SAP2036M	3/4-16 UNF	3.6	2.56	17.7	Packard Electric #12010973 Dual Outputs	L1=1000 Ohm L2=1000 Ohm
SAP707037	None	2.74	N/A	10	Packard Electric #12010973 and Metri-Pack 150	964 Ohm

### 530P00049



Wheel Speed Sensor Thread 3/4 - 16 "  
4 Wire 2 Connectors  
Fits Multiple Freightliner Models

## CONNECTORS



\*Packard Electric #12010973



\*Packard Electric #12015792



\*Packard Electric #15300002

\*Not Sold Separately, For Reference Purposes Only.

\*S0: Special Order Item. Please contact your sales representative for more information of how to order this item.

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## ABS WHEEL SPEED SENSORS

PART No	CONNECTOR	SENSOR STYLE	HARNES LENGTH (in.)	OVERALL LENGTH (in.)	SENSOR LENGTH (in.)	CABLE DIA (in.)	REPLACES	PHOTO
SAP30000	2-Pin DIN Barrel	90 Degree	63	67.10	1.60	0.24	Bendix 801541	1
SAP30170	2-Pin DIN Barrel	Straight	79	83.80	2.50	0.24	Bendix 801542	2
SAP30148	Deutsch DT04-2P	90 Degree	40	44.10	1.60	0.24	Bendix 801551	3
SAP30158	Deutsch DT04-2P	90 Degree	60	63.30	1.60	0.24	Bendix 801549	3
SAP30166	Deutsch DT04-2P	90 Degree	75	80.30	1.60	0.24	Bendix 801550	3
SAP30150	Deutsch DT04-2P	Straight	40	46.40	2.28	0.24	Bendix 801553	4
SAP30168	Deutsch DT04-2P	Straight	75	79.00	2.30	0.24	Bendix 801552	4
SAP30152	Deutsch DTM06-2S	90 Degree	48	52.00	1.60	0.24	Bendix 801548	5
SAP30154	Deutsch DTM06-2S	90 Degree	60	62.60	1.60	0.24	Bendix 801546	5
SAP30140	Deutsch DTM06-2S	90 Degree	103	104.50	1.60	0.24	Bendix 801545	5
SAP30142	Deutsch DTM06-2S	90 Degree	137	139.10	1.60	0.24	Bendix 801547	5
SAP30156	Deutsch DTM06-2S	Straight	60	64.20	2.30	0.24	Bendix 801563	6
SAP30002	KE-Plug	90 Degree	14	17.80	1.60	0.18	Meritor R955335	7
SAP30146	KE-Plug	90 Degree	38	41.00	1.60	0.24	Meritor R955336	7
SAP30162	KE-Plug	90 Degree	69	71.50	1.60	0.24	Meritor R955341	7
SAP30004	KE-Plug	90 Degree	76	79.50	1.60	0.18	Meritor R955342	7
SAP30118	KE-Plug	90 Degree	79	82.00	2.30	0.24	Meritor S4410321840	7
SAP30026	KE-Plug	Straight	67	71.80	2.30	0.18	Meritor R955329	8
SAP30164	KE-Plug	Straight	69	72.10	2.30	0.24	Meritor R955338	8
SAP30104	KE-Plug	Straight	79	83.80	2.30	0.24	Meritor S4410323810	8
SAP30174	KE-Plug	Straight	81	83.80	2.30	0.24	Meritor R955608	8



## SENSOR EXTENSION CABLES

PART No	CONNECTOR	HARNES	HARNES LENGTH (in.)	OVERALL LENGTH (in.)	CABLE DIA (in.)	REPLACES	PHOTO
SAP30126	2-Pin Male Straight	2-Pin Female 90 Degree	120	122.50	0.24	Meritor S4497130300	9
SAP30130	2-Pin Male Straight	2-Pin Female 90 Degree	192	200.00	0.24	Meritor S4497130500	9
SAP30132	2-Pin Male Straight	2-Pin Female Straight	39	43.70	0.24	HalDEX 919801	10
SAP30134	2-Pin Male Straight	2-Pin Female Straight	59	63.50	0.24	HalDEX 919802	10
SAP30136	2-Pin Male Straight	2-Pin Female Straight	78	83.20	0.24	HalDEX 919803	10
SAP30138	2-Pin Male Straight	2-Pin Female Straight	98	102.70	0.24	HalDEX 919804	10
SAP30128	2-Pin Male Straight	2-Pin Female Straight	138	141.00	0.24	HalDEX 919806	10

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## ABS WHEEL SPEED SENSORS - CONNECTOR & SENSOR PHOTO



**2-Pin DIN Barrel / 90 Degree**



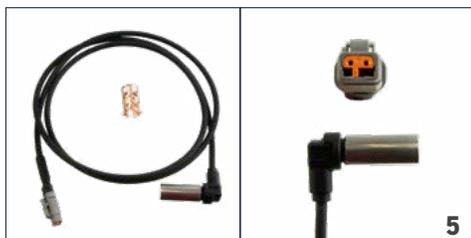
**2-Pin DIN Barrel / Straight**



**Deutsch DT04-2P / 90 Degree**



**Deutsch DT04-2P / Straight**



**Deutsch DTM06-2S / 90 Degree**



**Deutsch DTM06-2S / Straight**



**KE-Plug / 90 Degree**



**KE-Plug / Straight**

## SENSOR EXTENSION CABLES - PHOTO



**2-Pin Male Straight / 2-Pin Female 90 Degree**



**2-Pin Male Straight / 2-Pin Female Straight**

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## LEVEL SENSORS

SAP20006	SAP20008	SAP20010	SAP20012
Coolant Level Sensor for Volvo D13 2010-2016 Replaces Volvo 21508269	Coolant Level Sensor for Detroit Diesel 60 Series 2013-2016 Replaces Detroit Diesel 23520380	Coolant Level Sensor for Freightliner 2008-2009 Cascadia / 2007-2010 Columbia Replaces Freightliner 06-62384-002	Coolant Level Sensor Mini-Tek Style for Cummins 15MM11/QSK/ISX 2004-2013 - Direct Replacement for Cummins 4903489, 3612521
SAP68226	SAP68228	SAP20014	
Coolant Level Sensor Fozmula Style for Cummins - Direct Replacement for Cummins 4383932	Coolant Level Sensor Bedia Style - Direct Replacement for Navistar 1673785C92 / Freightliner RSC85927C1	Coolant Level Sensor for Mack 64MT466 2004-2007 Mack CV/2008 GU7/2008 GU8 Replaces Mack 25174715	

## POSITION SENSORS



130800	131140	131973	132035
International Throttle Position Sensor - Electronic Accelerator Pedal - Sensor Kits DDEC III & IV Replaces Internantional 2603893C91	Detroit Diesel Foot Pedal Sensor Kit - For use on 359593, 359594, 359595 and all pedals with DDEC II engines Kit includes: DDEC Sensor, Screws, Sensor Harness, Sensor, Wire clamp Plus a washer, grommet, screw and cable clamp Replaces Volvo 3133491, 8066395	Sensor Throttle Plate Position for Cummins and Mercedes North American Engines (International, Mack, Peterbilt, Volvo) Kit includes: 133284 Cummins Sensor, and Screw Replaces Volvo 85101350	Throttle pedal sensor kit with integrated harness for use with DDEC III & IV engines without idle validation Kit includes: Screws, 131970 Wire Harness, Sensor, Wire Clamp Replaces Volvo 3919788, 3948906
340000	SAP30006	SAP30008	SAP30010
Sensor Throttle Plate Position For use on 351375, 351376, 351377 and all pre-1998 Cummins Kit Includes: Screws, Wire Harness, 131040 Sensor, Wire Clamp Replaces Volvo 3917928	Position Sensor for Cummins B Series/ISB/L Series 2007-2013 Replaces Cummins 4984223	Position Sensor for Navistar DT466, DT530 1997-2004 Replaces Navistar 1807339C92	Position Camshaft Sensor for Detroit Diesel 60 Series 11.1L, 12.7L, 14L Replaces Detroit Diesel 8929387

\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.

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## POSITION SENSORS

<p><b>SAP30012</b></p>  <p>Position Sensor Camshaft Navistar 1997-2004 DT466 / DT530 / 7.3L Replaces Navistar 1885812C91</p>	<p><b>SAP30014</b></p>  <p>Position Sensor Crankshaft for Cummins ISX 2005-2015 Replaces Cummins 4921599</p>	<p><b>SAP30016</b></p>  <p>Position Crankshaft Sensor for Detroit Diesel 60 Series 11.1L, 12.7L, 14L Replaces Detroit Diesel 8929388</p>	<p><b>SAP30018</b></p>  <p>Engine Crankshaft Position Sensor / CAT C11 Eng / 2004-2006 - Replaces 2016615</p>
<p><b>SAP30020</b></p>  <p>CAT Dual Variable Reluctance Speed Sensor - Replaces 2454630</p>	<p><b>SAP30022</b></p>  <p>Speed Sensor for Mack Trucks 1991-2011 - Replaces 20706327</p>	<p><b>SAP30024</b></p>  <p>Speed Sensor for Mack Trucks - Replaces 25166488</p>	<p><b>SAP30048</b></p>  <p>Electronic Engine Position Sensor / Camshaft Crankshaft - Replaces 1835985C92</p>

## PRESSURE SENSORS



<p><b>SAP22012</b></p>  <p>Pressure Sensor for Caterpillar 3126/ C7/3406E/C15 Replaces 2244536</p>	<p><b>SAP22014</b></p>  <p>Pressure Sensor for Caterpillar eng. C7,C9 / Off-Highway Trucks Replaces Caterpillar 248-2169</p>	<p><b>SAP22018</b></p>  <p>Fuel/Oil Pressure Sensor for Caterpillar C7 2005-2007 Replaces 2746719</p>	<p><b>SAP22022</b></p>  <p>Pressure Oil Sensor for Cummins B, C-SERIES, QSB, ISX 15, ISX 11.9, 2003-2015 Replaces Cummins 4921517</p>
<p><b>SAP22024</b></p>  <p>Manifold Absolute Pressure Sensor EGR for International, Ford, Pierce 1979-2016 Replaces International 1840078C1</p>	<p><b>SAP22030</b></p>  <p>Pressure Sensor Ambient for Cummins ISX/ISB 2004-2013 Replaces Cummins 4076493</p>	<p><b>SAP22040</b></p>  <p>Pressure Sensor Boost for Cummins N14 1994-2003 Replaces Cummins 4921501</p>	<p><b>SAP22042</b></p>  <p>Turbo Boost Pressure Sensor S60 Detroit Diesel Engine Series for Freightliner, Sterling &amp; Western Star Trucks Replaces Freightliner 23527829</p>

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## PRESSURE SENSORS

<b>SAP22046</b>	<b>SAP22048</b>	<b>SAP22050</b>	<b>SAP22052</b>
			
<p>Oil Pressure Sensor Exhaust Manifold for Cummins ISB 2006-2015 Replaces Cummins 4928594</p>	<p>Pressure Sensor Fuel for Cummins 6C 8.3/ISC 2006-2016 Replaces Cummins 4921495</p>	<p>Pressure Sensor Injection for Navistar DT466E/I530 1997-Current Replaces Navistar 1830669C92</p>	<p>Pressure Oil Sensor for Cummins N14 Replaces Cummins 4921487</p>
<b>SAP22054</b>	<b>SAP22056</b>	<b>SAP22080</b>	<b>SAP22094</b>
			
<p>Pressure Oil Sensor for Navistar Replaces Navistar 1807369C2</p>	<p>Engine Oil Pressure Sensor EGR &amp; Underhood for International VT365 Engines 2002 - 2012 Replaces International 1839415C91</p>	<p>Intake Manifold Pressure Sensor for Cummins ISM Replaces Cummins 4921493</p>	<p>Oil Pressure Sensor for Detroit Diesel S50 &amp; S60 12.7L Engine Models 1/4" NPT Replaces Detroit Diesel 23532797</p>
<b>SAP22120</b>	<b>SAP22128</b>	<b>SAP22146</b>	<b>SAP22174</b>
			
<p>Ambient Pressure Sensor for Cummins L 10 M 11 N 14 Replaces Cummins 4902720</p>	<p>Turbo Boost Pressure Sensor for Detroit Diesel Replaces Detroit Diesel 23522322</p>	<p>Fuel Pressure Sensor for Cummins ISX Replaces Cummins 4921499</p>	<p>Pressure Oil Sensor for Cummins 6C, ISC Engines Replaces Cummins 4921511</p>
<b>SAP22176</b>	<b>SAP-A0071530228</b>		
			
<p>Turbo Boost Pressure Sensor for Detroit Diesel Replaces Detroit Diesel 23528418</p>	<p>Fuel Injection Pressure Sensor For Chrysler, Dodge, John Deere, Mercedes Benz, Navistar Maxxforce Replaces Detroit Diesel A0071530228</p>		

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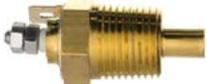


## PRESSURE SWITCHES

<p><b>SAP80702</b></p>  <p>Pressure Switch for Cummins 6C, 6L, B GAS/LPG, B4.5, B5.9, B6.7, CM570, G855, ISB, ISC, ISD, ISF, ISL, ISM, K19, L10, M11, N14, QSB, QSC, QSK, QSL, QSM, QST 2012-2015 Replaces Cummins 2897691, 3408607</p>	<p><b>530P00017</b></p>  <p>Low Air Pressure Switch for Freightliner, NO - 6 PSI Connecting Thread: 1/8-27 NTP Replaces S-22361</p>	<p><b>530P00018</b></p>  <p>Kick-Off Low Air Pressure Switch for Freightliner NC Cut-Off Replaces S-20678</p>	<p><b>530P00019</b></p>  <p>Kick-Off Low Air Pressure Switch for Freightliner NO 65-75 PSI Replaces S-20677</p>
<p><b>530P00020</b></p>  <p>Air Pressure Switch for Freightliner/Western Star NC Opens 66-80 PSI Connecting Thread: 1/8-27 NTP w/ Locking Compound</p>	<p><b>530P00029</b></p>  <p>Mod-Centri SW.3, SW.Air Replaces A1219776010</p>	<p><b>530P00045</b></p>  <p>Air Manifold Switch Low Air for Freightliner Replaces ARS8300001000</p>	

## TEMPERATURE SENSORS



<p><b>SAP24006</b></p>  <p>Temperature Sensor for Cummins ISX 2000-2003 Replaces Cummins 4921475</p>	<p><b>SAP24008</b></p>  <p>Temperature Sensor for Peterbilt 1989-Current Multi Kenworth / 1989-Current Peterbilt Replaces Peterbilt 144455</p>	<p><b>SAP24010</b></p>  <p>Temperature Sensor for Caterpillar Eng. C-10, C-12, C-15, 3406C, 3406E, 3176B, 3406B Replaces Caterpillar 1022240</p>	<p><b>SAP24012</b></p>  <p>Temperature Sensor for Cummins L10/M11/ISM 1994-2010 Replaces Cummins 3085185</p>
<p><b>SAP24014</b></p>  <p>Temperature Sensor for Freightliner 1998 FLD112 / 1998-Current FLD120 / 1988-2002 FLD132 Replaces Freightliner 2254800000</p>	<p><b>SAP24018</b></p>  <p>Temperature Sensor Air for Cummins ISX 2000-2003 Replaces Cummins 4921473</p>	<p><b>SAP24048</b></p>  <p>Engine Coolant or Oil Temperature Sensor for Cummins ISM, N14 Replaces Cummins 3865312</p>	<p><b>SAP24060</b></p>  <p>Air Temperature Sensor for Detroit Diesel Series 60 Replaces Detroit Diesel 23515250</p>

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## TEMPERATURE SENSORS

SAP24062	SAP24066	SAP24068	SAP24080
Oil Temperature Sensor for Detroit Diesel Series 60 12.7L, 14.0L Replaces Detroit Diesel 23515251	Oil Coolant Water Temperature Sensor for Detroit Diesel Series 60 12.7L EGR Replaces Detroit Diesel 23527830	Coolant Oil Temperature Sensor for Detroit Diesel Series 60 Replaces Detroit Diesel 23527831	Coolant Temperature Sensor for International Engine 6.0L, 7.3L, DT466 1989-2008 Replaces International 1675751C1
SAP24144	SAP24146	SAP24150	SAP24152
Temperature Oil Sensor Sender for Kenworth K379-14 Replaces Kenworth K379-14	Temperature Oil Sensor Sender for Kenworth T800 Replaces K379-12, 144728	Coolant Temperature Sensor for Detroit Diesel S50 8.5L / S60 11.1L, 12.7L, 14.0L Replaces Detroit Diesel 23514708	Temperature Sensor for Peterbilt 379, 384 & Kenworth T600 Transmission & Axle Sensor Replaces Kenworth Q21-1002 <b>NEW</b>

## MISCELLANEOUS SWITCHES

SAP-HPN1412	530P00028	530P00032	530P00034
2-Position Air Toggle Switch For PTO Console	Switch, Assembly-Park/OPTSW, B3, L NO PSG	Air Control Switch	Inter Axle Differential Lock Unlock Switch
530P00042	530P00044	530P00046	530P00047
Speed Sensor Single Solenoid for Freightliner Trucks International 3610797C91	Switch, Silver Assy. BZ Series, Single Pole Double Throw (SPDT), 15 A 125/250 Vac, ENEC 16 A 250 Vac	Air Toggle Valve Switch Freightliner 818-0006-000	Fifth Wheel Slide Switch. 2 Way Control for Freightliner Century Class or Columbia E877

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## MISCELLANEOUS SWITCHES

### 530P00048



Transmission Speed Sensor for Freightliner Trucks  
Freightliner 60082401

## TEMPERATURE SWITCHES

### 2 PRONGS (NC/NO) 1/2" Thread



PART No	DESCRIPTION	HORTON No
SAP74028	For Horton 180F NO	993615
SAP74032	For Horton 185F NC	993619
SAP74036	For Horton 185F NO	993616
SAP74040	For Horton 190F NC	993603
SAP74044	For Horton 190F NO	993617
SAP74048	For Horton 195F NC	993605
SAP74052	For Horton 195F NO	993653
SAP74056	For Horton 200F NC	993606
SAP74060	For Horton 200F NO	993654
SAP74064	For Horton 205F NC	993607
SAP74068	For Horton 205F NO	993655

### 3 PRONGS (NC/NO/CO) 1/2" Thread



PART No	DESCRIPTION
SAP74088	For 180F CO
SAP74090	For 185F CO
SAP74096	For 190F CO
SAP74100	For 195F CO
SAP74106	For 200F CO
SAP74110	For 205F CO

### 3 PRONGS (NC/NO/CO) 3/8" Thread



PART No	DESCRIPTION
SAP74352	For 185F CO
SAP74354	For 190F CO
SAP74186	For 195F CO
SAP74356	For 200F CO
SAP74358	For 205F CO

### SAP74634



Temperature Switch for Cummins  
C8.3, G3.9, G5.9, ISB, ISC, ISD, ISF,  
ISL, QSB, QSC, QSL 2002-2014  
Replaces 3408645, 4327029

## SWITCHES & INDICATORS

SAP No	STYLE	TYPE	CUT-OUT PRESSURE	PIPE THREAD
SAP13250	SL5 - Stop Light Switch	Single Pole 2 Terminal	3-5 PSI	1/4-18 NPT
SAP228600	SL4 - Stop Light Switch	Single Pole 2 Terminal	5 PSI	1/4"
SAP228750	LP3 - Low Pressure	Double Terminal	60 PSI	1/4"
SAP279416	LP3 - Low Pressure	Single Terminal	60 PSI	1/4"



SAP13250

SAP228600

SAP228750

SAP279416

## PRESSURE HOBB SWITCHES

**S0**



**SINGLE CIRCUIT • 1/8" Thread  
ONE (1) TERMINAL**

SAP No	FACTORY SET AS	CIRCUIT
SAP78630NO	1 PSI	NO
SAP78634NC	1 PSI	NC
SAP78142NO	2 PSI	NO
SAP78149NC	2 PSI	NC
SAP78143NO	4 PSI	NO
SAP78150NC	4 PSI	NC
SAP78144NO	10 PSI	NO
SAP78151NC	10 PSI	NC
SAP78145NO	15 PSI	NO
SAP78152NC	15 PSI	NC
SAP78146NO	35 PSI	NO
SAP78153NC	35 PSI	NC
SAP78147NO	60 PSI	NO
SAP78154NC	60 PSI	NC
SAP78148NO	100 PSI	NO
SAP78155NC	100 PSI	NC



**SINGLE CIRCUIT • 1/8" Thread  
TWO (2) TERMINAL**

SAP No	FACTORY SET AS	CIRCUIT
SAP78628NO	1 PSI	NO
SAP78632NC	1 PSI	NC
SAP76051NO	2 PSI	NO
SAP76061NC	2 PSI	NC
SAP76575NO	4 PSI	NO
SAP76577NC	4 PSI	NC
SAP76576NO	10 PSI	NO
SAP76578NC	10 PSI	NC
SAP76052NO	15 PSI	NO
SAP76062NC	15 PSI	NC
SAP76053NO	35 PSI	NO
SAP76063NC	35 PSI	NC
SAP76054NO	60 PSI	NO
SAP76064NC	60 PSI	NC
SAP76065NC	100 PSI	NC



**DUAL CIRCUIT • 1/8" Thread  
ONE (1) CIRCUIT ADJUSTABLE**

SAP No	FACTORY SET AS	CIRCUIT
SAP78711NC-NO	1 PSI	NO & NC
SAP76071NC-NO	2 PSI	NO & NC
SAP76579NC-NO	4 PSI	NO & NC
SAP76580NC-NO	10 PSI	NO & NC
SAP76072NC-NO	15 PSI	NO & NC
SAP76073NC-NO	35 PSI	NO & NC
SAP76074NC-NO	60 PSI	NO & NC
SAP76075NC-NO	100 PSI	NO & NC

- \*NO: Normally Open
- \*NC: Normally Closed
- \*CO: Normally Open & Closed

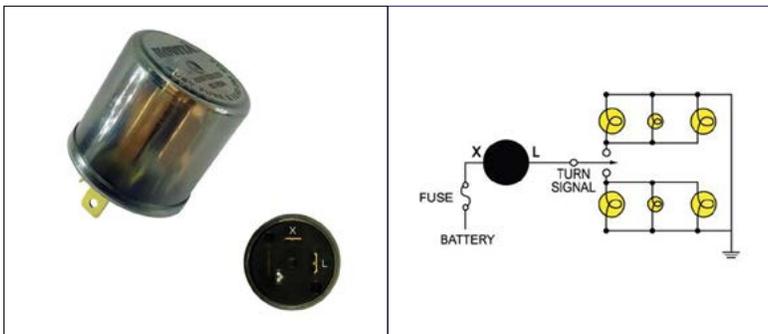
**Note: 1.** The N.C. circuit is the reference circuit for the dual circuit switch; the normally open circuit is not adjusted. For applications requiring the normally open circuit as the reference circuit the N.C. circuit is not adjusted.

**2.** Switch may be adjusted so that:  
**A)** N.C. circuit opens before N.O. circuit closes.  
**B)** N.C. and N.O. circuit have same set point.  
**C)** N.O. circuit closes before the N.C. circuit opens. (There is no dead band and both circuits are on for a brief period of time.)

**3. CO:** Can be connected either Normally Open or Normally Closed (3 terminals or wires)

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## NOVITA® FLASHERS / 2 TERMINALS



### HD12

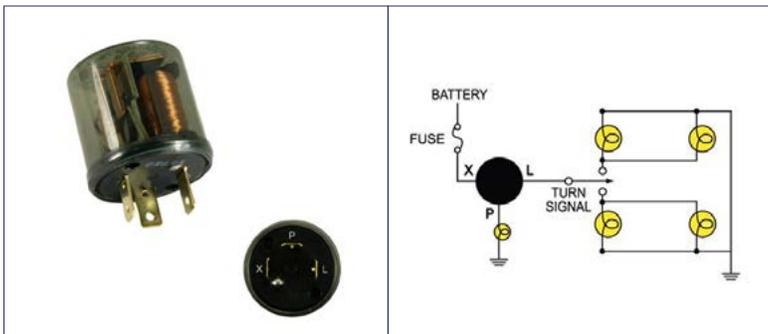
- 12 Volt applications
- 2 terminals (X, L)
- 1 to 10 Lamps ( 240 Watt / 20 Amp max)
- For heavy trailering loads and longest design life
- Must fuse X lead
- For car/truck trailering

This export product does not and is not required to comply with U.S. and Federal DOT regulations

### EG22

- 24 Volt applications
- 2 Terminals (X, L)
- 1 to 6 lamps (150 Watt / 6.25 Amp)
- For heavy duty applications
- Must fuse X lead
- For car/truck trailering

## NOVITA® FLASHERS / 3 TERMINALS



### HD13

- 12 Volt applications
- 3 terminals (X, P, L)
- 1 to 10 Lamps ( 240 Watt / 20 Amp max)
- For heavy trailering loads and longest design life
- Must fuse X lead
- For car/truck trailering

This export product does not and is not required to comply with U.S. and Federal DOT regulations

### EG23

- 24 Volt applications
- 3 Terminals (X, P, L)
- 1 to 6 Lamps (150 Watt/ 6.25 Amp max)
- For heavy duty applications requiring Pilot lamp control
- Must fuse X lead
- For car/truck trailering



# DIRECT REPLACEMENT CUMMINS® APPLICATIONS

HD

SO

CUMMINS No	SAP No
2897692	SAP80798
2897694	SAP80800
2897695	SAP80880
2897696	SAP80812
3330141	SAP22058
3408606	SAP80818
3408608	SAP80798
3408609	SAP80820
3408612	SAP80800
3408613	SAP80880
3408614	SAP80852
3408619	SAP80812
3408624	SAP74636
3408625	SAP74890
3408626	SAP74638
3408627	SAP74640
3408629	SAP74748
3408631	SAP74642

CUMMINS No	SAP No
3408632	SAP74750
3408635	SAP74754
3408636	SAP74760
3408639	SAP74644
3408643	SAP74632
4307059	SAP80852
4921501	SAP22040
4954948	SAP74858



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TRUCK & AUTO PARTS  
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# DIRECT REPLACEMENT AGRICULTURE APPLICATIONS

**SO**

AGCO No	SAP No	DESCRIPTION
71349411	SAP78088	Temp Ctrl 290 NC H0 T1
71374701	SAP74080	Temp Ctrl 220 NC H1 T1
72160894	SAP78028	Temp Ctrl 210 NO H1 T1
72503461	SAP78046	Temp Ctrl 220 NO H1 T1
72506415	SAP78042	Temp Ctrl 220 NC H1 T1
79024219	SAP78162	Temp Ctrl 140 NC H1 T1

CNH GLOBAL No	SAP No	DESCRIPTION
84152011	SAP74670	Temp Ctrl 225 NO H0 C7
86517758	SAP78068	Temp Ctrl 210 NO H0 T1
86544823	SAP74326	Temp Ctrl 220 NO H0 C7
87406896	SAP80620	Psw 006R PSI NC H4 C7
87608380	SAP74632	Temp Ctrl 160 CO H6 Cc
258425A1	SAP74344	Temp Ctrl 100 NO H1 C7
277379A1	SAP74348	Temp Ctrl 167 CO H1 C7

JOHN DEERE No	SAP No	DESCRIPTION
33994	SAP74668	Temp Ctrl 195 NC H1 C5
AFH10269	SAP74626	Temp Ctrl 330 CO H3 C6
AT195670	SAP74518	Temp Ctrl 210 NO H2 C6
AT199082	SAP74524	Temp Ctrl 210 CO H2 C6
AT307707	SAP74540	Temp Ctrl 210 NC H2 C4
AT384359	SAP74784	Temp Ctrl 100 CO H2 C8
M139691	SAP78152	Temp Ctrl 160 NO H0 T1
QSEN220	SAP74856	Temp Ctrl 220 NO H2 C6
TCA19888	SAP74678	Temp Ctrl 195 NO H1 C5
TCA20601	SAP74854	Temp Ctrl 230 NO H1 C3
TCA24065-A	SAP74886	Temp Ctrl 221 NO H2 C4
TCU17734	SAP80524	Psw 009R PSI CO H3 C7
TCU21120	SAP74650	Temp Ctrl 160 NO H2 T1
TCU35838	SAP78166	Temp Ctrl 221 NO H1 T0
VG11622	SAP74180	Temp Ctrl 160 CO H0 T1



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# DIRECT REPLACEMENT CATERPILLAR® APPLICATIONS



**SO**

CATERPILLAR No	SAP No
143-9001	SAP74940
149-8292	SAP72524
155-8998	SAP74928
155-8999	SAP74930
169-7443	SAP84352
173-3837	SAP80910
173-7251	SAP80928
173-7252	SAP80908
177-2313	SAP74936
177-2314	SAP74934
177-4599	SAP74932
178-2334	SAP68214
178-2335	SAP84288
179-3435	SAP84286
184-1564	SAP80912
192-0836	SAP80914
193-0687	SAP80916
194-2616	SAP80918
194-6724	SAP22006
194-6725	SAP22008
197-7370	SAP80920

CATERPILLAR No	SAP No
197-7371	SAP80922
202-9763	SAP80718
207-8606	SAP74938
212-2204	SAP84356
223-7854	SAP80718
224-0744	SAP80834
224-4535	SAP22010
231-8961	SAP80924
274-6718	SAP22016
284-2728	SAP22020
328-2973	SAP80926
338-1942	SAP84346
479-8413	SAP84358
4P6160	SAP74926



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# DIRECT REPLACEMENT MACK/VOLVO® APPLICATIONS



**SO**

MACK/VOLVO No	SAP No
1077574	SAP22060
3939317	SAP80270
3940177	SAP72330
3942759	SAP72334
3942809	SAP72338
3942917	SAP72336
3948744	SAP80478
3948747	SAP80554
3948748	SAP80470
3948749	SAP80564
3949500	SAP80470
3966805	SAP80378
8025565	SAP80562
20437760	SAP80272
25157068	SAP84242
85108572	SAP72338
85108573	SAP72334
1MR2456	SAP80486

MACK/VOLVO No	SAP No
1MR2451	SAP80632
1MR2463	SAP80632
1MR3561	SAP80562
1MR3562	SAP80478
1MR3594M	SAP80634
1MR6546M	SAP72162



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# DIRECT REPLACEMENT HD BUS EQUIPMENT APPLICATIONS

**SO**

ABC No	SAP No	DESCRIPTION
8037126	SAP74252	Temp Ctrl 225 CO H1 T1
8040255	SAP80510	Psw 070F psi CO H4 C7 Air Oil Fuel
8040257	SAP80514	Psw 014R psi CO H4 C7 Air Oil Fuel
8040258	SAP80516	Psw 006F psi CO H3 C7 Air Oil Fuel
8040260	SAP80520	Psw 010F psi CO H3 C7 Air Oil Fuel
8037106P	SAP74212P	Temp Ctrl 105 NO H1 T1
8039034P	SAP78068P	Temp Sw 210 NO HO T1

BLUE BIRD No	SAP No	DESCRIPTION
2566	SAP72432	TE 2fn Snk 172 NC 187 NO H1 C2
2577	SAP72434	TE 2fn Snk 172 NC 187 NC H1 C2
12070	SAP72402	TE 2fn Snk 160 NO 200 NO H1 C4
1659218	SAP80430	Psw 060R psi NO H4 C2 Air Oil Fuel
1659226	SAP72256	TE 1fn Src 060 NC H1 C2
1659234	SAP80474	Psw 065F psi NC H3 C2 Air Oil Fuel

GILLIG No	SAP No	DESCRIPTION
51-19127-013	SAP78028	Temp Sw 210 NO H1 T1
51-19127-215	SAP78038	Temp Sw 215 NO H1 T1
51-19127-235	SAP78054	Temp Sw 235 NO H1 T1
51-22127-015	SAP78078	Temp Sw 220 NO HO T1
51-22937-001	SAP80508	Psw 035R psi CO H3 C7 Air Oil Fuel
51-22937-002	SAP80514	Psw 014R psi CO H4 C7 Air Oil Fuel
51-22937-003	SAP80524	Psw 009R psi CO H3 C7 Air Oil Fuel
51-23245-00	SAP72252	TE 2fn Snk 185 NC 215 NO H1 C7
51-23245-001	SAP52514	TE 2fn Snk 195 NC 215 NO
51-23325-00	SAP80432	Psw 060R psi NO H4 C7 Air Oil Fuel
51-23339-000	SAP80516	Psw 006F psi CO H3 C7 Air Oil Fuel
51-23339-001	SAP80520	Psw 010F psi CO H3 C7 Air Oil Fuel
51-23339-002	SAP80476	Psw 075F psi NC H3 C2 Air Oil Fuel
51-23405-000	SAP80510	Psw 070F psi CO H4 C7 Air Oil Fuel
51-25885-000	SAP72372	TE Air Src 150 NC H1 C7

GILLIG No	SAP No	DESCRIPTION
51-26117-017	SAP76228	Harness Adaptor M150 M280 INT HDR
51-26163-000	SAP74334	Temp Ctrl 300 NO H1 C6
51-26163-003	SAP74920	Temp Ctrl 220 NO H1 C6
51-26163-004	SAP74922	Temp Ctrl 225 NO H1 C6
51-56223-000	SAP80704	Psw 071F psi CO H4 Cc
51-79285-000	SAP80890	PSW 004R psi CO H4 Cb
82-26973-000	SAP80474P	Psw 065F psi NC H3 C2 Air Oil Fuel
82-31373-000	SAP74252	Temp Ctrl 225 CO H1 T1
82-33566-000	SAP80526	Psw 008F psi CO H4 C6 Air Oil Fuel
82-38774-000	SAP74268	Temp Ctrl 120 NO H1 T1

MACK/VOLVO No	SAP No	DESCRIPTION
3935181	SAP74924	Temp Ctrl 160 NO H1 C4
3942917	SAP72520	TE fan timer 205 NC H1 C9
3948744	SAP80456	Psw 325R psi NC H1 C2 AC high
3948748	SAP80482	Psw 275R psi NC H1 C9
20437760	SAP80608	Psw 034R psi NC D H2 C3
1MR2450	SAP80412	Psw 034R psi NO H0 C3
1MR2463	SAP80454	Psw 335R psi NC H0 C2 AC high R12
1MR3546M	SAP72162	TE fan timer 205 NC H1 C7
1MR3561	SAP80906	Psw 034R psi NO H2 C3
1MR3594M	SAP80616	Psw 335R psi NC D H1 C2 AC high APADs

NEW No	SAP No	DESCRIPTION
115241	SAP72372	TE Air Src 150 NC H1 C7
6373126	SAP80510	Psw 070F psi CO H4 C7 Air Oil Fuel
8040257	SAP80514	Psw 014R psi CO H4 C7 Air Oil Fuel
8040258	SAP80516	Psw 006F psi CO H3 C7 Air Oil Fuel
8040352	SAP80704	Psw 071F psi CO H4 Cc
8111125	SAP74212	Temp Ctrl 105 NO H1 T1

PREVOST No	SAP No	DESCRIPTION
194821	SAP80516	Psw 006F psi CO H3 C7 Air Oil Fuel
195726	SAP80510	Psw 070F psi CO H4 C7 Air Oil Fuel
N23125	SAP74268	Temp Ctrl 120 NO H1 T1



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TRUCK & AUTO PARTS  
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# DIRECT REPLACEMENT HD BUS EQUIPMENT APPLICATIONS

**SO**

RED DOT No	SAP No	DESCRIPTION
8036304	SAP72608	TEp 2fn PWM 140 160 SAE8 ACT high w/gauge
RD-5-10008-OP	SAP80176	Psw 300R psi NC H1 C9 AC fan
RD-5-10009-OP	SAP80164	Psw 275R psi NC H0 C9 AC fan R12
RD-5-10351-OP	SAP80450	Psw 310R psi NC H0 C7 AC high R12
RD-5-10470-OP	SAP80404	Psw 034R psi NO H2 C3
RD-5-10471-OP	SAP72518	TE 1fn Src 205 NC H1 C3
RD-5-10763-0	SAP80904	Psw 285R psi NC H0 C3
RD-5-10768-OP	SAP80902	Psw 335R psi NC H1 C2
RD-5-10769-OP	SAP80900	Psw 325R psi NC H0 C2
RD-5-10771-OP	SAP84248	AC Ctrl APAds CM812 ViscDDAM
RD-5-10772-OP	SAP84242	AC Ctrl APAds CM813 ECM
RD-5-10778-OP	SAP80322	Psw 034R psi NC D H2 C3
RD-5-10779-OP	SAP80294	Psw 300R psi NC D H1 C2 AC high APAds
RD-5-10781-OP	SAP72522	TE fan timer 195 NC H1 C9
RD-5-10782-OP	SAP72338	TE fan timer 205 NC H1 C9
RD-5-10783-OP	SAP80378	Psw 034R psi NC D H2 C3 AC low APAds
RD-5-10784-OP	SAP80480	Psw 325R psi NC H1 C2 AC high
RD-5-10787-OP	SAP80434	Psw 040R psi NO H1 C2
RD-5-10789-OP	SAP80484	Psw 275R psi NC H1 C9
RD-5-10851-OP	SAP78046	Temp Sw 220 NO H1 T1
RD-5-10855-OP	SAP84348	AC Ctrl APAds CM813 30sec
RD-5-10858-OP	SAP82230	Kit Conversion ISC3 to TE743
RD-5-10859-OP	SAP84214	AC Ctrl APAds CM813 ECM
RD-5-10861-9P	SAP84212	AC Ctrl APAds CM813 Std
RD-5-11001-OP	SAP78038	Temp Sw 215 NO H1 T1
RD-5-11380-OP	SAP84312	AC Ctrl APAds CM814 Std
RD-5-11381-OP	SAP84350	AC Ctrl APAds CM814 30s
RD-5-14636-OP	SAP80354	Psw 300R psi NC D H1 C2 AC high APAds
RD-5-14637-OP	SAP80356	Psw 034R psi NC D H2 C3 AC low APAds
RD-5-6639-OP	SAP80402	Psw 039R psi NO H0 Cw AC low R12
RD-5-9990-OP	SAP80270	Psw 300R psi NC D H1 C2 AC high APAds
RD-5-9991-OP	SAP80272	Psw 034R psi NC D H2 C3 AC low APAds

THOMAS No	SAP No	DESCRIPTION
61230334	SAP72372	TE Air Src 150 NC H1 C7
61230631	SAP78046	Temp Sw 220 NO H1 T1
61230635	SAP78038	Temp Sw 215 NO H1 T1
61230643	SAP78050	Temp Sw 225 NO H1 T1
61230644	SAP78020	Temp Sw 190 NC H1 T1
61230646	SAP78062	Temp Sw 200 NC H0 T1
61230648	SAP72288	TE 2fn Src 175NC 190NC H1 C7
61230658	SAP78100	Temp Sw 185 NC H1 T1
61230673	SAP74212	Temp Ctrl 105 NO H1 T1

VAPOR No	SAP No	DESCRIPTION
5013051600	SAP80510	Psw 070F psi C0 H4 C7 Air Oil Fuel



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# Pollak®



**Back Up Alarms**

**Precision Ball Switches**

**Circuit Breakers**

**Connectors**

**Door Lock Actuators**

**Fuel Selector Valves**

**Starter Switches**

**Solenoid Switches**

**Battery Master Disconnect Switches**

**Merchandising Displays**

**Miscellaneous Switches**

**Momentary Switches**

**Push-Pull Switches**

**Rocker/Toggle Switches**

**Specialized Electrical Products**

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**11-702EP**

**51-902EP**

**24-360EP**

PART No	DESCRIPTION
<b>12-801EP</b>	2 Pole Socket, 200 Amp Service, Retail Bag
<b>52-800P</b>	3 Position Mom-On Off Mom On Reversing Switch, 50 Amps Lever
<b>31-337</b>	3-Position Ignition Switch - 10 Blade D250 - Keyed Alike
<b>31-600</b>	3-Position Ignition Switch - 3 Screw - On-Off-On - No Spring Return - Various Key
<b>52-216</b>	30A Fuse Holder
<b>52-216P</b>	30A Fuse Holder, Packaged
<b>31-114</b>	4-Position Ignition Switch - 11.250 Blades - Various Keyed
<b>31-105</b>	4-Position Ignition Switch - 4 #10-32 Studs - Various Keyed
<b>31-610</b>	4-Position Ignition Switch - 4 Stud Universal Keyed
<b>31-180</b>	4-Position Ignition Switch, 4 #10-32 Studs, Various Keyed
<b>12-404</b>	4-Way Molded Flat-Style Connectors 48 in. Car Side - 12 in. Trailer Side
<b>34-212</b>	50 Amp Toggle Switch - On-Off S.P.S.T.
<b>34-212EP</b>	50 Amp Toggle Switch - On-Off S.P.S.T. - Retail Bag
<b>34-219EP</b>	50 Amp Toggle Switch, On-Off, Black Handle, Retail Bag
<b>34-216P</b>	50 Amp Toggle Switch, On-Off, Quick Connect, Packaged
<b>12-601</b>	6-Way Molded Square Connector 48 in. Car Side - 12 in. Trailer Side
<b>11-702EP</b>	7-Way Connector Plug - Die - Cast With Cable Guard Packaged
<b>11-702</b>	7-Way Connector Plug - Die-Cast With Cable Guard
<b>11-710EP</b>	7-Way Connector Plug - Glass - Filled Nylon W/ Cable Guard
<b>11-720</b>	7-Way Connector Socket - Die Cast With Solid Pins
<b>11-720E</b>	7-Way Connector Socket - Die Cast With Solid Pins - Bulk
<b>11-720EP</b>	7-Way Connector Socket - Die Cast With Solid Pins Packaged
<b>11-721E</b>	7-Way Connector Socket - Die Cast With Split Pins - Bulk
<b>11-721EP</b>	7-Way Connector Socket - Die Cast With Split Pins Packaged
<b>11-700E</b>	7-Way Hd Connector Plug - Die-Cast Zinc
<b>11-723E</b>	7-Way Socket - Glass-Filled Nylon With Solid Pins - Bulk
<b>41-822</b>	Back-Up Alarm Wire Leads - 107db
<b>41-820</b>	Back-Up Alarm Wire Leads - 97 db
<b>41-851</b>	Back-Up Alarm, 107 Db
<b>51-902EP</b>	Battery Master Disconnect Switch
<b>51-904EP</b>	Battery Master Disconnect Switch
<b>54-720P</b>	Circuit Breaker 20Amp, Packaged
<b>54-230</b>	Circuit Breaker 90 Degree Bracket Metal 30 Amp Type I
<b>54-240</b>	Circuit Breaker 90 Degree Bracket Metal 40 Amp Type I
<b>54-230PL</b>	Circuit Breaker 90 Degree Bracket Plastic 30 Amp Type I
<b>54-250PL</b>	Circuit Breaker 90 Degree Bracket Plastic 50 Amp Type I
<b>54-540</b>	Circuit Breaker Straight Bracket Metal 40 Amp Type I

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PART No	DESCRIPTION
<b>52-252</b>	Dimmer Switch Headlight
<b>52-253</b>	Dimmer Switch Headlight
<b>52-253P</b>	Dimmer Switch, Headlight, Packaged
<b>51-915EP</b>	Master Disconnect Switch
<b>51-927EP</b>	Master Disconnect Switch
<b>51-904EP30</b>	Master Disconnect Switch Dpst Lever Operated M/P 30 Pcs Bulk
<b>51-915EP30</b>	Master Disconnect Switch Same As 51-902 With Indexing Post M/P 30 Pcs Bulk
<b>51-918EP</b>	Master Disconnect Switch Same As 51-904 With Indexing Post
<b>51-916EP30</b>	Master Disconnect Switch Same As 51-915 With Removable Key M/P 30 Pcs Bulk
<b>51-927EP30</b>	Master Disconnect Switch Spst 1/2 Copper Studs M/P 30 Pcs Bulk
<b>51-902EP30</b>	Master Disconnect Switch Spst Lever Operated 3/8 Copper Studs M/P 30 Pcs Bulk
<b>24-360EP</b>	Momentary Start Switch Packaged Retail Bag
<b>24-360</b>	Momentary Start Switch Weather Dustproof Cap and Screw Terminals
<b>24-359EP</b>	Momentary Start Switch, Packaged Retail Bag
<b>21-458P</b>	Precision Ball Switch - NO - Screw Terminals - Packaged
<b>21-363</b>	Precision Ball Switch - NO - Sealed Terminals Fits PE 2984092
<b>21-478P</b>	Precision Ball Switch, Nc, Sealed Terminals, Packaged
<b>21-492P</b>	Precision Ball Switch, No, Blade Terminals, Packaged
<b>21-361P</b>	Precision Ball Switch, No, Exposed Stud Terminals, Packaged
<b>21-370P</b>	Precision Ball Switch, No, Sealed Terminals, Packaged
<b>21-465P</b>	Precision Ball Switch, No, Sealed Terminals, Packaged
<b>35-306</b>	Push-Pull Switch 75 Amp Chrome Knob (Also See 35-406EP)
<b>34-305</b>	Rocker Switch On-Off (Red Pilot Light)
<b>34-237P</b>	Rocker Switch, (White Pilot Light), On-On, Dpdt, Packaged
<b>34-306P</b>	Rocker Switch, On-Off (Green Pilot Light), Packaged
<b>52-307-01</b>	Solenoid Switch - Continuous Duty 100A Service
<b>52-307-0125</b>	Starter Solenoid, 12 Volt Continuous Duty 100 Amp M/P 25 Pcs Bulk
<b>52-324-0125</b>	Starter Solenoid, 24 Volt Continuous Duty 100 Amps M/P 25 Pcs Bulk
<b>34-571C</b>	Toggle Switch Coated w/Wire Leads - Plastic Coating 8 in. Leads
<b>34-575</b>	Toggle Switch Mom On-Off-Mom On
<b>34-580</b>	Toggle Switch Mom On-Off-Mom On
<b>34-571</b>	Toggle Switch On-Off
<b>34-571P</b>	Toggle Switch On-Off Packaged
<b>34-573</b>	Toggle Switch On-Off-On
<b>34-577</b>	Toggle Switch On-Off-On
<b>25-370</b>	Toggle Switch Rubber Boot Fits 15/32-32 Thread
<b>34-577P</b>	Toggle Switch, On-Off-On, Packaged
<b>35-306EP</b>	Value Line Equivalent Of 35-306 (Previously 35-406EP)

\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.

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# **WILLIAMS CONTROLS**



**WE OFFER  
A FULL LINE OF  
PRODUCTS**



**ELECTRONIC THROTTLE  
CONTROLS**

**HAND CONTROLS**

**JOYSTICK CONTROLS**

**INDUSTRIAL SENSORS**

**ADJUSTABLE CONTROL  
SYSTEMS**

**AIR VALVES AND SWITCHES**

**HYDRAULIC & PNEUMATIC  
CONTROLS**

**CONTACT YOUR SALES REP FOR MORE INFORMATION**



TRUCK & AUTO PARTS  
Since 1983

# TOGETHER WE CAN TAKE YOUR BUSINESS TO THE NEXT LEVEL!



## LEARN MORE ABOUT ALL THE PRODUCTS YOU CAN USE TO PROMOTE YOUR BUSINESS WITH OUR BRANDS

Ask your sales representative for more information



**TRUCK & AUTO PARTS**  
Since 1983



**INSTRUMENTATION,  
LIGHTING, & ACCESORIES**



## TURN SIGNAL SWITCHES

<p><b>530P00090</b></p>  <p><b>NEW</b></p> <p>Turn Signal Switch Freightliner Gray Handle. 12V Fits Freightliner Century, Columbia Models (1998-2003) Newstar S-12068</p>	<p><b>530P00091</b></p>  <p><b>NEW</b></p> <p>Turn Signal Switch Freightliner Repl. W/Self Cancel. Black Handle. 12V Fits Freightliner Century, Columbia (1998-2003) Newstar S-18302</p>	<p><b>530P00092</b></p>  <p><b>NEW</b></p> <p>Turn Signal Switch Freightliner Repl. W/Self Cancel. Gray Handle. 12V Fits Freightliner School Bus Models Newstar S-20596</p>	<p><b>530P00093</b></p>  <p><b>NEW</b></p> <p>Turn Signal Switch 7 Wire Black Universal. 12V Grote 48072</p>
<p><b>530P00094</b></p>  <p><b>NEW</b></p> <p>Turn Signal Switch For Freightliner. 8 Wire Harness W/Relay. 12v Handle Features Built-In Push Button High/Low Beam Selector. 16 Bulb Capacity For Hazard Warning. 8 Bulbs Per Side For Turn Signal Flashing. Paccar 915Y108TLT</p>	<p><b>530P00095</b></p>  <p><b>NEW</b></p> <p>Turn Signal Switch For Volvo. 12V Newstar S-20366</p>	<p><b>530P00096</b></p>  <p><b>NEW</b></p> <p>Turn Signal Switch w/Self Cancel For Volvo. 12V Newstar S-20367</p>	<p><b>530P00097</b></p>  <p><b>NEW</b></p> <p>Turn Signal Switch For Mack. 12V Newstar S-10272</p>
<p><b>530P00098</b></p>  <p><b>NEW</b></p> <p>Turn Signal Switch For Mack. 12V Grote 69650</p>	<p><b>530P00099</b></p>  <p><b>NEW</b></p> <p>Turn Signal Switch For Kenworth. 12V Pilot Light For Turn Signal &amp; Hazard Warning. 6 Wire Harness Grote 69500</p>	<p><b>530P00100</b></p>  <p><b>NEW</b></p> <p>Turn Signal Switch For Kenworth. 12V 8 Wire Harness. Handle Features Built-In Push Button High/Low. Beam Selector Switch. 16 Bulb Capacity For Hazard Warning. 8 Bulbs Per Side For Turn Signal Flashing. Grote 69590</p>	<p><b>530P00101</b></p>  <p><b>NEW</b></p> <p>Turn Signal Switch For Kenworth. 12V Grote 484371</p>



## TURN SIGNAL SWITCHES

530P00102	530P00103
 <p style="text-align: right;"><b>NEW</b></p>	 <p style="text-align: right;"><b>NEW</b></p>
<p>Turn Signal Switch For Peterbilt. 12V Grote 481381</p>	<p>Universal Turn Signal Switch W/Hi-Low Beam. 12V Grote 48282</p>



## WIPER BLADE MOTORS

530P00036	530P00050	530P00051	530P00082
 <p style="text-align: right;"><b>NEW</b></p>	 <p style="text-align: right;"><b>NEW</b></p>	 <p style="text-align: right;"><b>NEW</b></p>	 <p style="text-align: right;"><b>NEW</b></p>
<p>Wiper Motor, Windshield for Freightliner Cascadia (PX-125) 2008-2017 International 7-Ton &amp; 11-Ton 2004 / 4200 2008-2016/ 4300 2008-2013, 2015-2017 / 4400 2008-2016</p>	<p>Wiper Motor, Windshield for Freightliner FLD120</p>	<p>Windshield Wiper Motor for Freightliner Century Class 120 1998 - /</p>	<p>Windshield Wiper Motor International 4000/8000/7000 series (TerraStar, DuraStar, WorkStar) / Pro Star, Lone Star, TranStar 1999-Current - Freightliner Columbia, Century, Coronado, Cascadia, M2 2000-Current</p>
530P00084	530P00085	530P00087	
 <p style="text-align: right;"><b>NEW</b></p>	 <p style="text-align: right;"><b>NEW</b></p>	 <p style="text-align: right;"><b>NEW</b></p>	
<p>Windshield Wiper Motor for Freightliner FLD All Years Kenworth C500/T300/T400/T450/T600/T800/W900 (3 Bolt) 1987-2006 (mid-yr) Mack LE - Low Entry Waste Refuse 1994-Current / RD (Requires Bracket Modification) All Years Western Star All Models All Models</p>	<p>Windshield Wiper Motor for Kenworth C500/T300/T400/T450/T600/T800/W900 (3 Bolt) 2010-Current / T2000/T700 All Years International 9200/9400/9900/5500/5900 - PayStar (3 bolt attach) 2007-Current / PayStar (4 bolt attach) 2005-2007 / Requires connector gender kit Pre-2005</p>	<p>Windshield Wiper Motor Mack C and CH series - Fusion, Vision, Granite, Pinnacle, Titan 1988-Present</p>	

\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.

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## WIPER BLADE MOTOR COMPONENTS

530P00083	530P00086	530P00088
 <p style="text-align: right;"><b>NEW</b></p>	 <p style="text-align: right;"><b>NEW</b></p>	 <p style="text-align: right;"><b>NEW</b></p>
<p>Wiper Motor Adapter Cable Harness for 530P00085</p>	<p>Wiper Motor Adapter Cable Harness PB &amp; KW for 530P00085</p>	<p>Wiper Motor Adapter Cable for 530P00082 / Freightliner M2 2001-Current</p>

## LIGHTING & ACCESORIES

530P00031	530P00041
	
<p>Freightliner Full Cover 3 Inch Fuel Tank 3/8 Threaded, Float Style</p>	<p>Instrument Cluster Dash Bulb. for 12V Electrical Systems. Fits International Truck Instrument Panel</p>

*\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.*

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## DIESEL FUEL FILTRATION PRODUCTS



**DIESEL PRO® 243**

Designed for light and medium duty engines with flow rates up to 60 GPH.



**DIESEL PRO® 245**

Designed for light/medium duty applications and features three-layer filter technology.



**FUEL PRO® 382**

The industry standard on diesel engines with flow rates up to 180 GPH.



**FUEL PRO® 385**

Three layer filter technology for the NEW Western Star 4900



**FUEL PRO® 386, 387 & 388**

The Fuel Pro 386, 387 and 388 is the next generation of fuel filtration, fuel/water separation and fuel filter preheating.



**FUEL PRO® 482**

For DD13/DD15/DD16 engines with a bypass valve for low-pressure pump protection.



**FUEL PRO® 483**

Ready for coolant and return fuel heat connections.



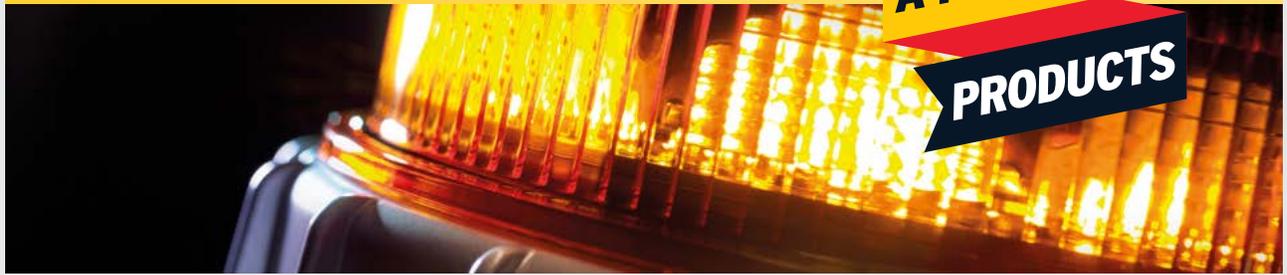
**FUEL PRO® 485, 487, & 488**

Three layer filter technology offers superior water separation.



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**WE OFFER  
A FULL LINE OF  
PRODUCTS**



**HEADLIGHTS**

**LIGHTS**

**BULBS**

**INTERIOR LIGHTING**

**WARNING SIGNAL SYSTEMS**

**REFLECTORS**

**HEADLIGHT CLEANING**

**FUSES & ACCESSORIES**

**SWITCHES & ACCESSORIES**

**MIRRORS**

**RELAY**



**009148142**



**9XW398114020**



**376744281**

PART No	DESCRIPTION
<b>376768801</b>	10 Pcs Freightliner Radiator Pins - OE Exo 7AH00038-01SP
<b>009148142</b>	Back Up Alarm 110db 9-48VDC IP67 5.5 Watts
<b>012588011</b>	Horn Kit Bx Blk Disc Mcycle 12V Univ
<b>9XW398114020</b>	Standard Wiper Blade, 20", Single
<b>376744281</b>	Surge Cap For Freightliner Columbia Cascadia
<b>H71030181</b>	Worklight 2 Led Blue Spot MV
<b>357101002</b>	Worklight Valuefit 5Rd 1.0 Led MV CR LT
<b>357100002</b>	Worklight Valuefit 5Rd 1.0 Led MV LR LT



\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.

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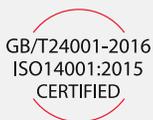
# WHEEL BEARING SETS



## NEW PRODUCT

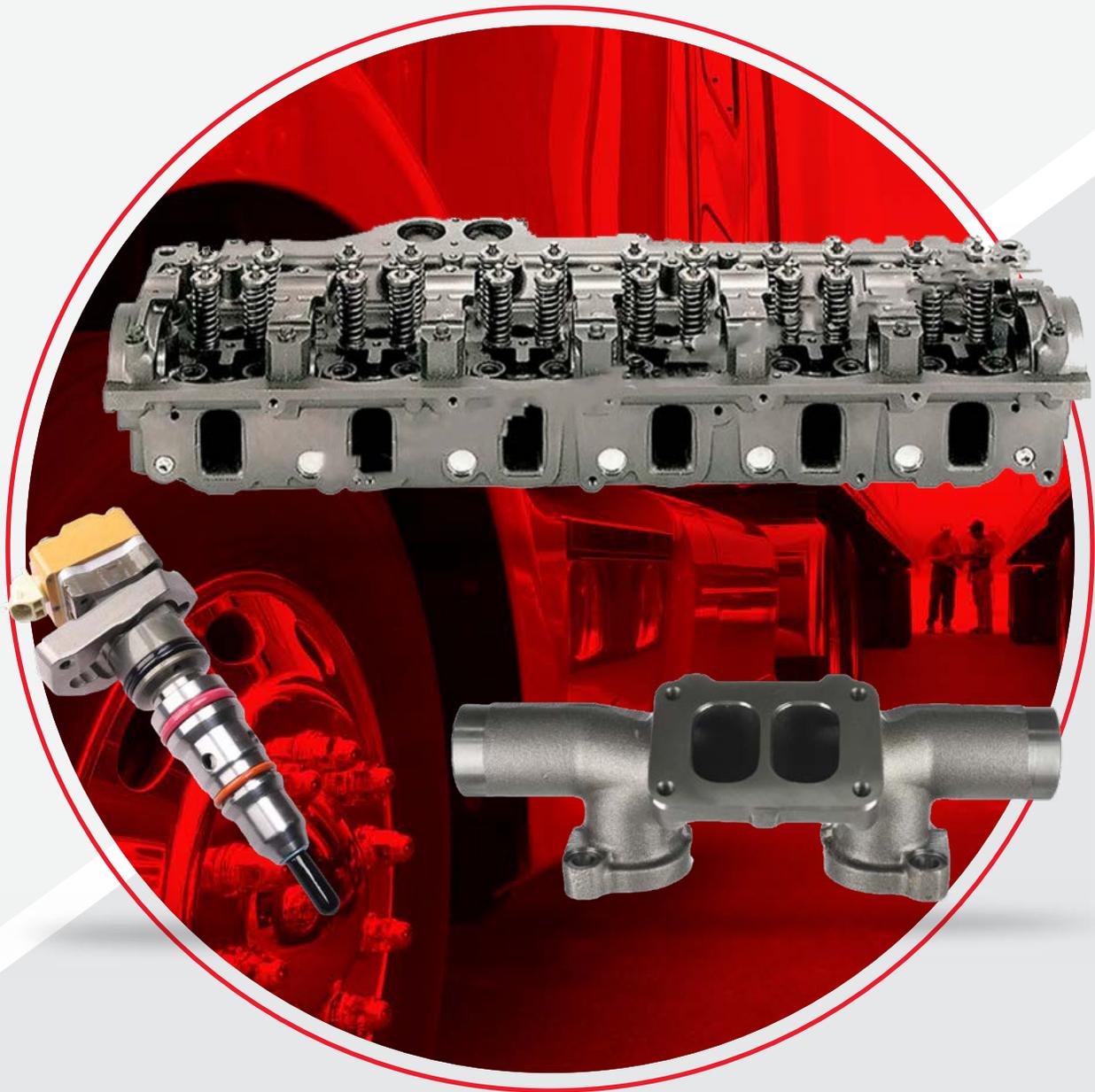
**Manufactured to Meet or Exceed Original Equipment Specifications**

- High durability and resistance thanks to the quality of the steel and its heat treatment, extending the lifespan of the bearing.
- Greater friction stability thanks to the design and precision manufacturing, helps to prevent premature overheating.
- High load and temperature resistance thanks to the material and components quality, designed for heavy duty applications taking into account different road and working conditions.





**TRUCK & AUTO PARTS**  
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# **DIESEL & ENGINE PARTS**

## DIESEL PARTS

530P0007	530P0009	530P00010	530P00012
HEUI Injector for International DT530 DT530, HT530: 250 HP to 340 HP (HT) / 8.7L Perkins 1300 Series Edi / 8.7L Detroit Diesel Series 40E 2000-2003	HEUI Injector for International DT466 DT466E: 175 HP to 250 HP (HT) / 7.6L Perkins 1300 Series EDI 1999-2003	HEUI Injector for International DT530 HT530: 250-340 HP / Perkins 1300 Edi & Detroit Diesel Series 40E Eng.	HEUI Injector Seal Kit for Ford F Series, Excursion, E Series 1994-2003 / International DT466/530 HT530 T444E, 7.6L Perkins 1300 Series EDI, Detroit Diesel Series 40E
530P00013	530P00014	530P00015	530P00016
Injection Pressure Regulator (IPR) Valve w/o Edge Filter for Ford F Series, Excursion, E Series / International DT466E, I530E, DT466 530, HT530, T444E	HEUI Injector For International DT466E (175-250HP) 1999 / DT466 (175-250HP) 2000-2003 / 7.6L Perkins 1300 Series Edi 1999-2003	Engine Oil Cooler for Ford F Series, Excursion, E Series / International T444E, DT466E, I530E, DT466 / 530, HT530	Injection Pressure Regulator (IPR) Valve w/Edge Filter for Ford F Series, Excursion, E Series 2004-2010 / International VT275, VT365, MaxxForce 5 2005-2010

## ENGINE BRAKE

**20531**



**NEW**

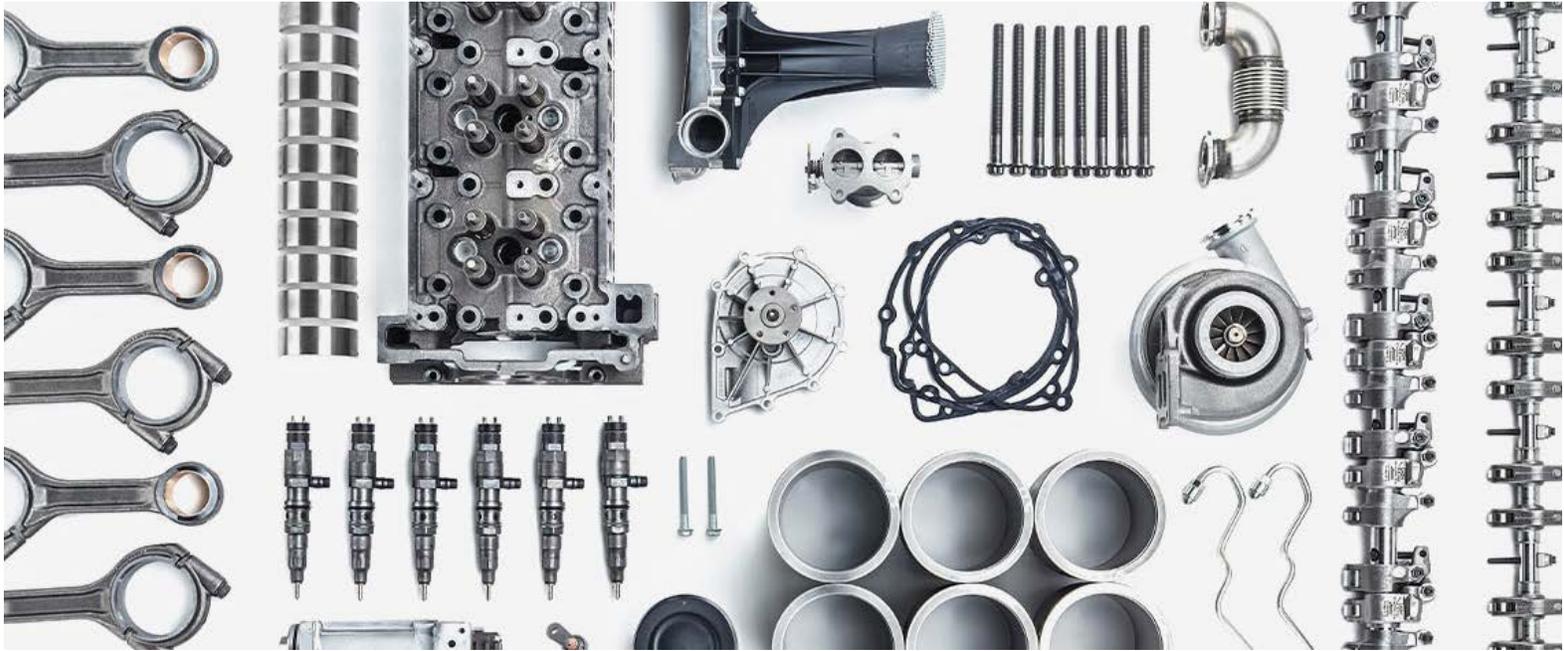
Engine Brake Tune-Up Kit for Detroit S60 - Fits 760A/765/765A

\*Not to be used on Tecbrake 760A/765/765A

\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item. The numbers used for cross reference and the photos provided are for informational purposes only. All brands and references listed in the catalog belong to the respective companies.



# DETROIT™



**ENGINES**  
**POWERTRAIN**

**AXLES**  
**CONNECTIVITY**

**TRANSMISSIONS**

**EMOBILITY**  
**PARTS & SERVICE**



**CONTACT YOUR SALES REP FOR MORE INFORMATION**



**23519651**



**SD15237SP**



**8929690**

PART No	DESCRIPTION
<b>SD25220A</b>	Aerosol Paint - Alpine Green T/U
<b>SD15237SP</b>	Aerosol Paint - Series 60 Blue
<b>SD95257ASP</b>	Aerosol Paint - Silver Metallic T/U
<b>23515250</b>	Air Temperature Sensor D Series 60 (DDEC III)
<b>A9069810525</b>	Ball Bearing
<b>23539159</b>	Base Flt
<b>23512309</b>	Bolt
<b>23522281</b>	Bolt 1016F
<b>18-30769-002</b>	Boot - Shifter
<b>10-12391-000</b>	Bracketshockabsupper
<b>16-18035-000</b>	Bushing - Spring Rear Suspension HD
<b>8929690</b>	Camsbrg Set
<b>08929387</b>	Camshaft Position Sensor Series 60
<b>23520380</b>	Coolant Level Sensor
<b>23522855</b>	Coolant Level Sensor
<b>23518355</b>	Crankshaft Seal - Front
<b>23519651</b>	Crankshaft Seal - Rear
<b>23530768</b>	Cylinder Head Bolt
<b>23531964</b>	Delta Pressure Sensor Kit Series 50 60
<b>23528691</b>	Elbow Valve
<b>23530573</b>	Element-Oil Filter
<b>23539193</b>	Exhaust Manifold Gasket 23539193 Is Superseded By 23533983
<b>R23537686</b>	F/Pmp(Viton) - Reman
<b>A4722030355</b>	Filter Kit
<b>23516918</b>	Fuel Check Valve
<b>23516919</b>	Fuel Check Valve
<b>23516993</b>	Fuel Check Valve
<b>A5410900151</b>	Fuel Filter
<b>23535457</b>	Gasket
<b>A5411420380</b>	Gasket
<b>A9061840780</b>	Gasket
<b>A4600160021</b>	Gasket 1018F
<b>A06-26585-000</b>	Harness - Speed Sensor Adapt - ETN VSS
<b>23532333</b>	HD Gasket Kit
<b>A4570108220</b>	HD Gasket Kit 04
<b>A4600160720</b>	Head Gasket
<b>05-21303-001</b>	Hose - Rad Lower FLX S60E

\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.

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23511221



23533147



23537123

PART No	DESCRIPTION
<b>MAHP0384</b>	Hose Assy
<b>23538840</b>	Inj Cup
<b>23501580</b>	Inj Hole Kit
<b>23537123</b>	Inj Ring Kit
<b>23527831</b>	Intake Air Sensor D Series 60
<b>A0000905151</b>	Kit - Filter Insert
<b>A17-20868-000</b>	Locator - Supt Hood Rear
<b>05138643</b>	M--Button Valve
<b>05236116</b>	M-SIn O/H Kit
<b>23533949</b>	Manifold Assembly
<b>23532122</b>	Manifold Center
<b>11506101</b>	Nut
<b>23533147</b>	O-Ring
<b>A0239976448</b>	O-Ring
<b>23537111</b>	O-Ring Kit
<b>A4570140222</b>	O/P Gasket
<b>A0001802909</b>	Oil Filter
<b>A4731800409</b>	Oil Filtr Kit
<b>A4601800443</b>	Oil Nozzle
<b>23522282</b>	Oil Pan For Dde Series 60 12.7 Lts
<b>23527828</b>	Oil Pressure Sensor
<b>23527830</b>	Oil Temperature Sensor Series 60
<b>A4720302317</b>	Piston Kit
<b>23539158</b>	Primary Fuel Filter Base Detroit Diesel Series 60
<b>23503747</b>	Ring Set
<b>23520818</b>	Screw Assembly Intake Valve
<b>A4570980180</b>	Seal 1017G
<b>23513578</b>	Seal C/S
<b>A0239976548</b>	Seal Ring
<b>23516969</b>	Seal/Slv
<b>23513509</b>	Sealant Gasket
<b>16-14051-000</b>	Seat - Axle Rear Suspension - 5.5Deg - 120mm
<b>08929388</b>	Sensor
<b>23514708</b>	Sensor
<b>23515251</b>	Sensor
<b>23518092</b>	Sensor
<b>23527338</b>	Sensor

\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.

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**23516919**



**23532797**



**23533692**

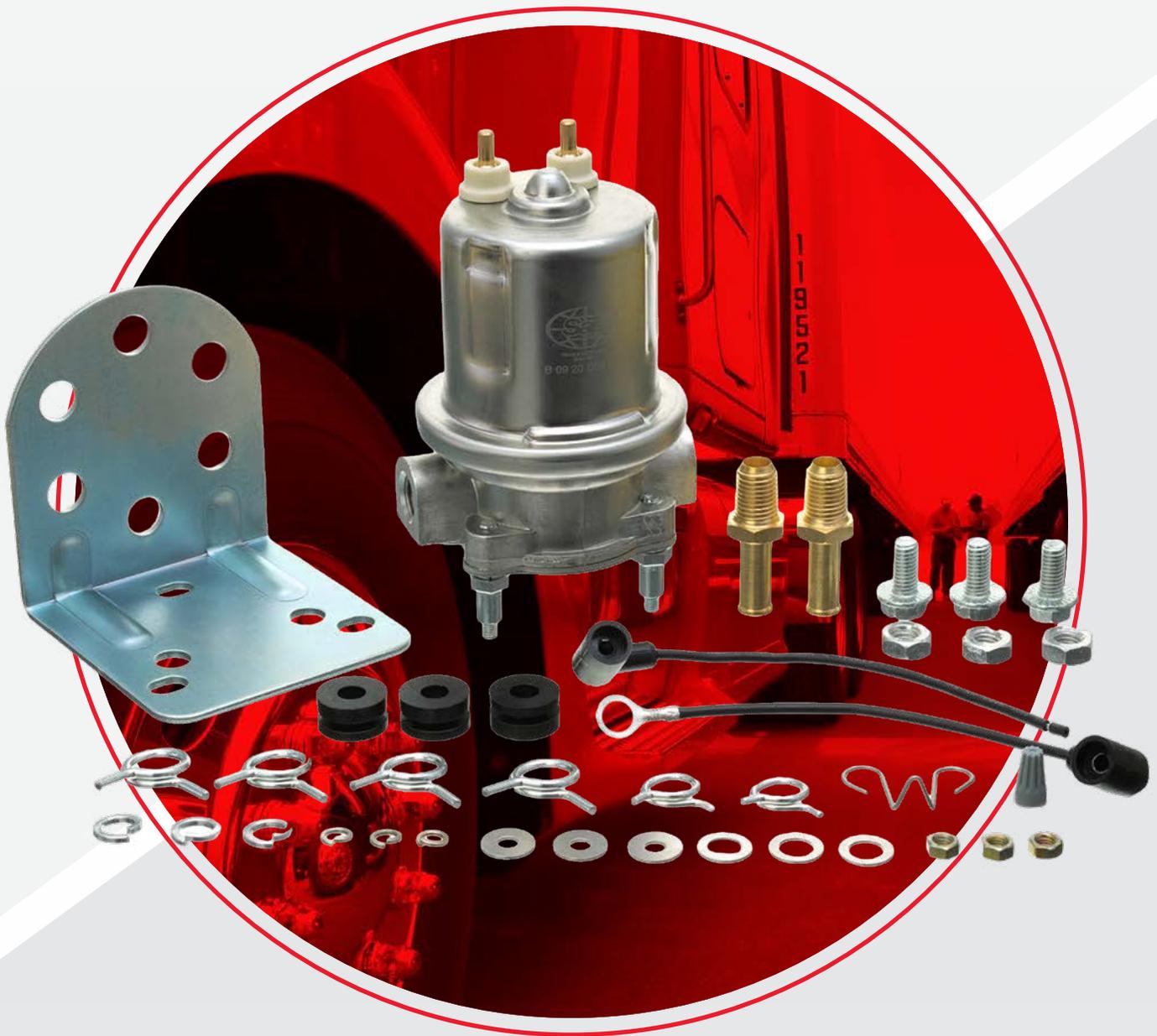
PART No	DESCRIPTION
<b>23527339</b>	Sensor
<b>23532797</b>	Sensors 1018B
<b>23522271</b>	Sleeve Assy
<b>A06-26631-001</b>	Solenoid Valve-Air/Elec
<b>A05-23574-000</b>	Tank-Surge 8.5Qt Plastic
<b>23503827</b>	Therm 160F
<b>23518514</b>	Tube 1122D
<b>23505038</b>	Tube Oil
<b>23515354</b>	Tube Turbo Drain
<b>23522322</b>	Turbo Boost Pressure Sensor Series 60
<b>23527829</b>	Turbo Boost Sensor Series 60
<b>23528418</b>	Turbo Pressure Sensor S60
<b>A06-60501-006</b>	Valve - Solenoid - Pneu/Elec
<b>23512901</b>	Valve Pressure Rgu Asm
<b>A0000535858</b>	Valve Stem Seal
<b>R23536834</b>	Vpod Series 60
<b>R23536834/CR</b>	Vpod Series 60

\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.

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**TRUCK & AUTO PARTS**  
Since 1983



# HEAVY DUTY FUEL PUMPS

## HEAVY DUTY FUEL PUMPS & COMPONENTS

### 40223N



HD Dura-Lift Fuel Pump for Thermo King & Carrier  
(For Refrigerated Trailers)  
Replaces Thermo King 417059, 40-223  
Facet 40223

### SAP-P4070



HD Universal - Rotary Vane Electric In-Line  
Fuel Pump  
Replaces Airtex 599-1400, Carter P4070,  
GMB 599-1400, Spectra SP1130

### SAP-G52610



HD Mechanical Fuel Pump for Navistar T444E  
Replaces Ford F6TZ-9350-A, Navistar 1824415C93,  
Spectra SP1013MP

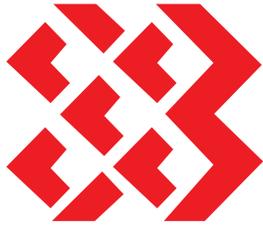
### 530P00031



Freightliner Full Cover 3 Inch Fuel Tank 3/8  
Threaded, Float Style  
Freightliner GTD 249 24

\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.

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# Facet

**WE OFFER  
A FULL LINE OF  
PRODUCTS**



## FUEL PUMPS & ACCESORIES

FACET has a family of 5 different gasoline and diesel fuel pumps to choose from, Cube Solid State, DURA-LIFT®, GOLD-FLO®, POSI-FLO® and Automotive in-tank fuel pumps and modules. Each family has a unique design purpose which is why we are confident that we will find a solution to your fuel pump requirements.

**CONTACT YOUR SALES REP FOR MORE INFORMATION**



**40313N**



**40223N**

PART No	DESCRIPTION
<b>40222N</b>	Dura-Lift - Fuel Pump
<b>43179N</b>	Filter As - Cat 416-5884
<b>40313N</b>	Fuel Pump Cube F 12V 12-15Psi
<b>40223N</b>	HD Dura-Lift Fuel Pump for Thermo King & Carrier (For Refrigerated Trailers)
<b>40345N</b>	Pump Gp-F - Cat 416-5886

\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.

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**INNOVATION**  
**PRECISION**  
**QUALITY**

**UNIVERSAL JOINTS • CENTER SUPPORT BEARINGS • REPAIR COMPONENTS**  
CRUCETAS • SOPORTES DE CARDAN • COMPONENTES DE REPARACION



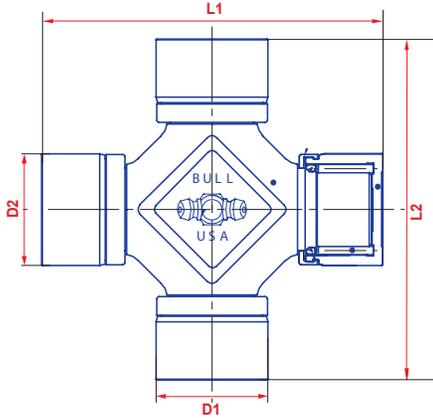
A division of SAP USA Truck & Auto Parts®



# DRIVELINE

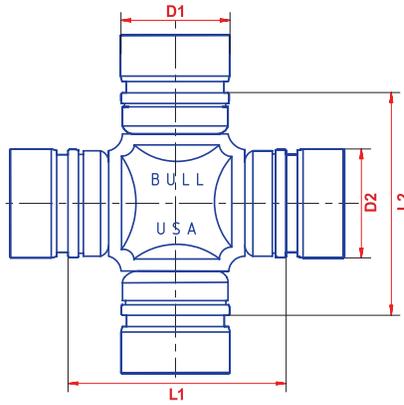
## Type A Style OSR

\* OSR (Outside Snap Ring)



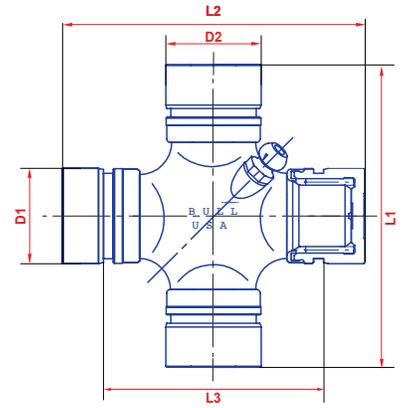
## Type B Style ISR

\* ISR (Inside Snap Ring)



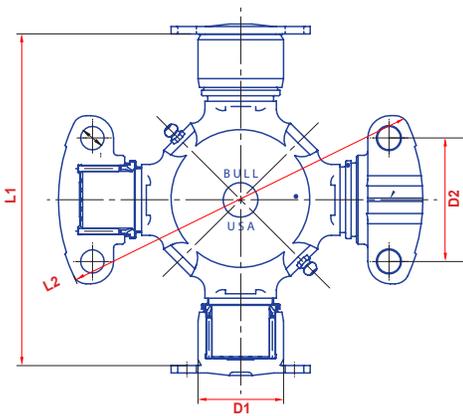
## Type A/B Style ISR/OSR

\* ISR (Inside Snap Ring), \* OSR (Outside Snap Ring)



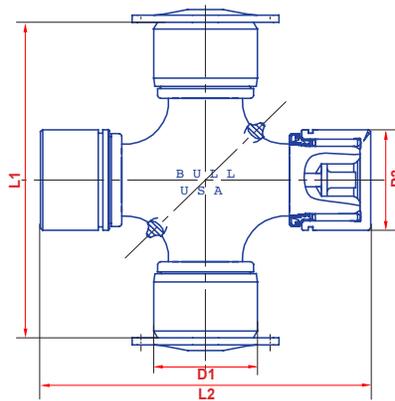
## Type C Style BP/WB

\* BP (Bearing Plate), \* WB (Wing Bearing)



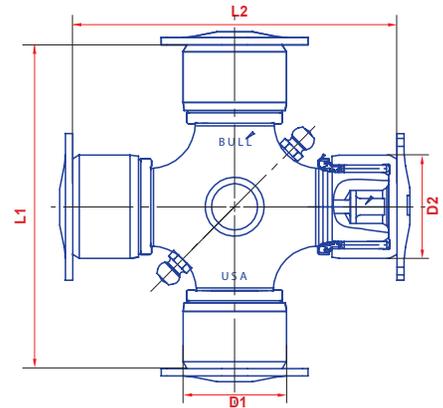
## Type D Style HR

\* HR (Half Round)



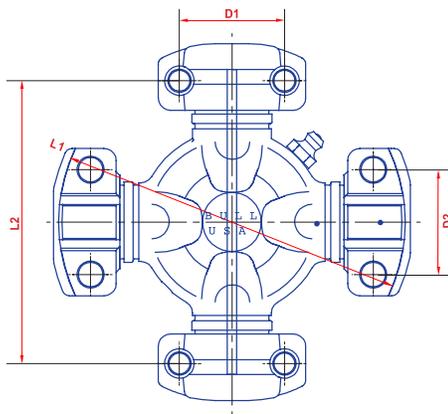
## Type E Style BP

\* BP (Bearing Plate)



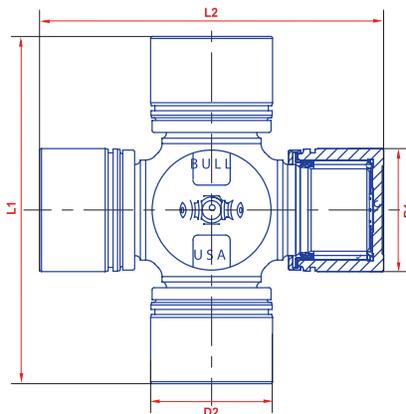
## Type G Style WB

\* WB (Wing Bearing)

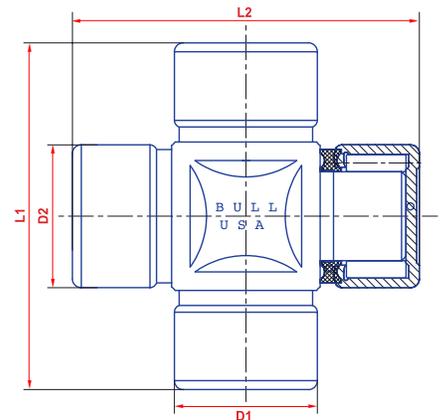


## Type SPL Style SPL/THDPLT

\* SPL (Spicer No Life Series), \* THDPLT (Threaded Plate)



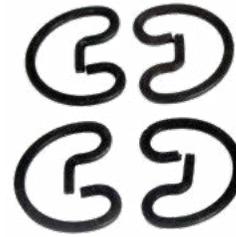
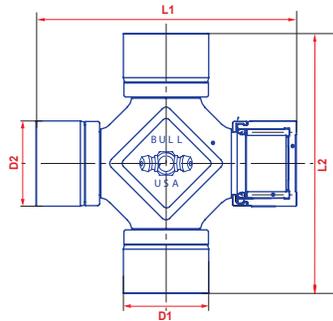
## Type Steering



\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.

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## Type **A** Style **OSR**



\* OSR (Outside Snap Ring)

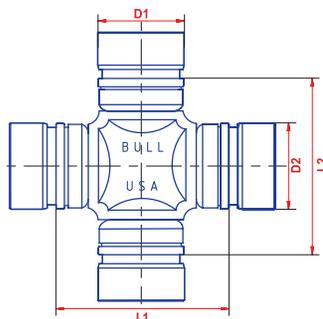
Part No	D1 (mm.)	D2 (mm.)	L1 (mm.)	L2 (mm.)	NEAPCO No	PRECISION No	SPICER No
<b>BL395</b>	20.01	20.01	56.99	56.99	1-0011	395	
<b>BL-GUT24</b> <sup>SO</sup>	22.06	22.06	57.50	57.50			
<b>BL340</b> <sup>SO</sup>	23.82	23.82	61.30	61.30	1-0300	340	5-101X
<b>BL341</b>	23.82	23.82	61.30	61.30	1-0300	341	5-101X
<b>BL398</b>	25.00	25.00	63.80	63.80	1-1557	398	5-153X / 5-1503X
<b>BL399</b>	25.00	25.00	76.12	76.12			5-1516X
<b>BL329</b>	27.00	27.00	81.78	81.78	1-0200	329	5-1310X
<b>BL344</b>	27.00	27.00	74.60	74.60	1-0005	344	5-4X
<b>BL348</b>	27.00	30.19	92.08	81.80	3-3140	348	5-648X
<b>BL353</b>	27.00	27.00	92.08	81.78	1-0134	353	5-134X
<b>BL354</b>	27.00	27.00	92.00	92.00	2-4800	354	5-1330X
<b>BL369</b>	27.00	27.00	81.78	81.78		369	5-1310X
<b>BL437G</b>	27.00	27.00	61.93	61.93	1-0443	437G	5-443X
<b>BL448</b>	27.00	30.19	92.08	92.08	2-3050	448	5-460X
<b>BL330</b>	30.19	30.19	106.35	106.35	2-0054	330	5-160X
<b>BL331</b>	30.19	30.19	92.08	92.08	2-0053	331	5-178X / 5-1350X
<b>BL964</b>	31.75	31.75	81.40	81.40	2-2275	964	5-243X
<b>BL382</b> <sup>SO</sup>	33.00	33.00	93.00	93.00		382	
<b>BL-GUIS73</b>	33.00	33.00	103.00	103.00	GUSI-73		
<b>BL351</b>	34.93	34.93	106.31	106.31	3-0188	351	5-188X
<b>BL358</b>	34.93	34.93	126.22	126.22	3-0155	358	5-155X
<b>BL370</b> <sup>SO</sup>	39.67	39.67	115.87	115.87		370	
<b>BL462</b>	40.00	40.00	115.00	115.00		462	
<b>BL-GUIS72</b> <sup>SO</sup>	42.00	42.00	115.00	115.00	GUSI-72		
<b>BL12276</b>	44.00	44.00	149.00	149.00			5-12276X
<b>BL12100</b>	45.00	45.00	120.40	120.40			5-12100X
<b>BL12062</b> <sup>SO</sup>	48.05	48.05	161.00	161.00			5-12062X
<b>BL0004100231</b> <sup>SO</sup>	53.00	53.00	135.00	135.00	Mercedes # 0004100231, 0004101628		
<b>BL12072</b> <sup>SO</sup>	57.00	57.00	164.00	164.00			5-12072X

\*Products Sort By Diameter (D1)

<sup>SO</sup>: Special Order Item. Please contact your sales representative for more information of how to order this item.

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## Type **B** Style **ISR**



\* ISR (Inside Snap Ring)

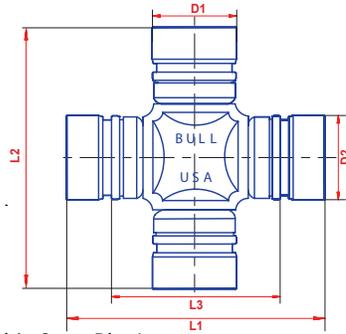
PART No	D1 (mm.)	D2 (mm.)	L1 (mm.)	L2 (mm.)	NEAPCO No	PRECISION No	SPICER No
<b>BL338</b>	23.83	23.83	37.85	37.85	1-0170	338	5-103X
<b>BL860</b>	24.60	24.60	36.60	36.60		860	5-92X
<b>BL861</b>	24.60	24.60	36.60	36.60	1-1475	861	5-92X
<b>BL391</b>	25.02	25.02	40.00	40.00	1-0027	391	5-1501X
<b>BL507</b>	25.40	25.40	59.50	59.50	1-3600	507	5-2011X
<b>BL390</b>	26.00	26.00	56.00	56.00	1-0012	390	5-1508X
<b>BL386</b>	26.50	26.50	50.80	50.80	1-1608	386	5-1513X
<b>BL356</b>	27.00	27.00	55.50	55.50	1-0174	356	5-260X
<b>BL365</b>	27.00	27.00	55.50	55.50	1-0174	365	5-260X
<b>BL433</b>	27.00	27.00	70.60	70.60	2-4800	433	5-213X
<b>BL436</b> <small>SO</small>	27.00	27.00	41.38	41.38		436	5-456X
<b>BL446</b>	27.00	27.00	49.00	49.00		446	
<b>BL995</b> <small>SO</small>	27.04	27.04	46.00	46.00	1-1275	995	5-242X
<b>BL315G</b>	27.40	27.40	53.80	53.80	1-6301	315G	5-1306X
<b>BL317</b>	27.40	27.40	53.80	53.80	1-6300	317	5-1306-1X
<b>BL384</b> <small>SO</small>	28.00	28.00	59.00	59.00	1-1610	384	5-1507X
<b>BL393</b>	28.02	28.02	56.10	56.10	1-0029	393	5-1505X
<b>BL316</b>	28.60	28.60	66.96	66.96	2-1175	316	5-1309X
<b>BL492</b>	28.60	28.60	65.00	65.00	2-3111	492	5-795X
<b>BL534G</b>	28.60	28.60	62.10	62.10	2-3011	534G	5-3147X
<b>BL383</b>	29.00	29.00	53.00	53.00	2-0383	383	5-1515X
<b>BL387</b>	29.00	29.00	52.00	52.00	1-1216	387	5-1510X
<b>BL3071</b>	30.00	30.00	71.20	71.20	Mitsubishi # J2925014, MR165561		
<b>BL93M</b> <small>SO</small>	30.00	30.00	55.49	55.49	2-0151		
<b>BL371</b>	30.20	30.20	55.50	55.50	1-0297	371	5-297X
<b>BL377</b>	30.20	30.20	55.50	55.50		377	5-297X-1
<b>BL304</b> <small>SO</small>	31.30	31.30	76.40	76.40	3-0056	304	5-1301X
<b>BL389</b>	32.00	32.00	64.00	64.00	2-0020	389	5-1511X
<b>BL12213</b>	38.00	38.00	62.30	62.30			

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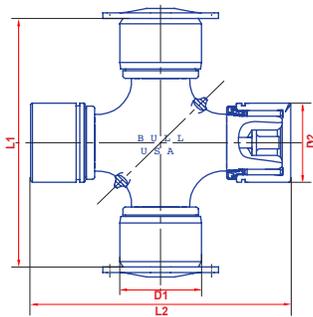
## Type AB Style ISR/OSR



\* ISR (Inside Snap Ring) \* OSR (Outside Snap Ring)

PART No	D1 (mm.)	D2 (mm.)	L1 (mm.)	L2 (mm.)	L3(mm.)	NEAPCO No	PRECISION No	SPICER No
<b>BL361</b>	25.42	27.00	61.95	61.95	43.60	1-0248	361	5-248X
<b>BL319</b> SO	27.00	27.40	81.78	81.78	53.80	2-3100	319	5-353X
<b>BL355</b>	27.00	28.60	92.00	92.00	64.80	2-1569	355	5-212X
<b>BL430</b> SO	27.00	28.60	81.60	81.60	59.50	1-4635	430	5-1201X
<b>BL434</b> SO	27.00	28.60	92.00	92.00	70.60	2-4900	434	5-1204X

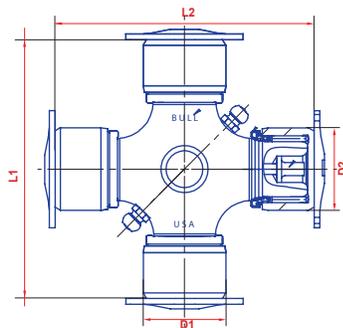
## Type D Style HR



\* HR (Half Round)

PART No	D1 (mm.)	D2 (mm.)	L1 (mm.)	L2 (mm.)	NEAPCO No	PRECISION No	SPICER No
<b>BL475</b>	47.62	47.62	135.00	135.00	4-2791	475	5-674X
<b>BL476</b>	49.20	49.20	154.80	157.10	5-2801	476	5-515X / 5-675X
<b>BL477</b>	49.20	49.20	179.98	177.98	6-0677	477	5-469X / 5-677X
<b>BL478</b>	49.20	49.20	191.86	194.00		478	5-510X / 5-676X

## Type E Style BP



\* BP (Bearing Plate)

PART No	D1 (mm.)	D2 (mm.)	L1 (mm.)	L2 (mm.)	NEAPCO No	PRECISION No	SPICER No
<b>BL333</b>	47.62	47.62	135.03	135.03	4-0279	333	5-279X
<b>BL334</b>	49.20	49.20	154.85	154.85	5-0280	334	5-280X
<b>BL376</b>	49.20	49.20	177.93	177.93	6-0407	376	5-407X
<b>BL381</b>	49.20	49.20	191.86	191.86	6-0281	381	5-281X

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Type

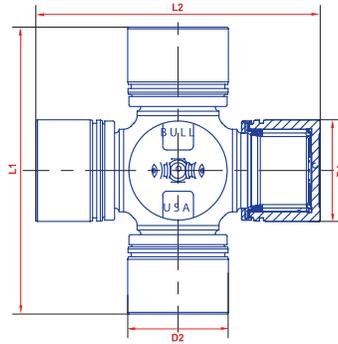
# SPL

Style

# SPL/THDPLT

\* SPL (Spicer Life Series)

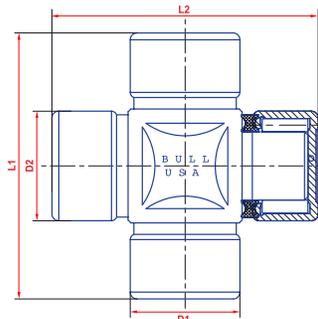
\* THDPLT(Threaded Plate)



PART No	D1 (mm.)	D2 (mm.)	L1 (mm.)	L2 (mm.)	NEAPCO No	VOLVO No	SPICER No
BL-SPL90	41.28	41.28	126.00	126.00			SPL100-1X
BL-SPL140	49.20	49.20	138.80	138.80			SPL140X
BL1651032	50.05	50.05	152.70	152.70		1651032	
BL-SPL170	55.00	55.00	164.20	164.20	6-1170	3947697	SPL170X
BL1651229	57.07	57.07	152.80	152.80		1651229	
BL-SPL250	60.00	60.00	163.20	163.20	6-1250	3947698	SPL250X

Type

# Steering



PART No	D1 (mm.)	D2 (mm.)	L1 (mm.)	L2 (mm.)
BL15-40ST	15.00	15.00	40.00	40.00
BL15-38ST	15.05	15.05	38.00	38.00
BL16-40ST	16.03	16.03	38.50	38.50
BL16-38ST	16.05	16.05	38.00	38.00
BL16-39ST	16.05	16.05	39.00	39.00
BL19-48ST	19.06	19.06	47.60	47.60

\*Products Sort By Diameter (D1)

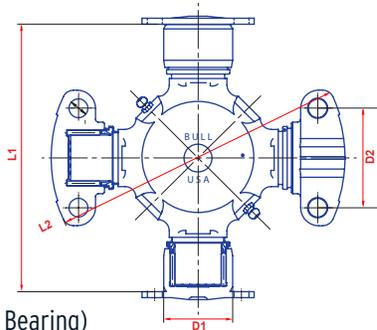
\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.

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## CAP TYPES



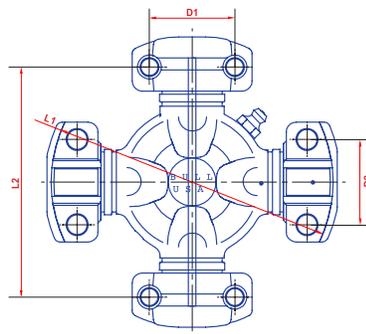
## Type C Style BP/WB



\* BP (Bearing Plate) \* WB (Wing Bearing)

PART No	CAP TYPE	D1 (mm.)	D2 (mm.)	L1 (mm.)	L2 (mm.)	NEAPCO No	PRECISION No	SPICER No
BL480	HWD	49.20	71.40	191.86	209.52	6-0324	480	5-324X

## Type G Style WB



\* WB (Wing Bearing)

PART No	CAP TYPE 1	CAP TYPE 2	D1 (mm.)	D2 (mm.)	L1 (mm.)	L2 (mm.)	NEAPCO No	PRECISION No	SPICER No
BL951	LWT	LWT	33.34	33.34	79.00	59.54	1-2171	951	5-2002X
BL560	LWT	LWT	42.80	42.80	140.20	114.20	4-5122	560	5-6000X
BL905	HWD	HWD	42.80	42.80	140.20	114.20	4-6128	905	5-6106X
BL7100 <sup>SO</sup>	LWT	LWT	49.22	49.22	148.43	148.43	5-7205	570	5-7000X

## Type Meritor Style OSR



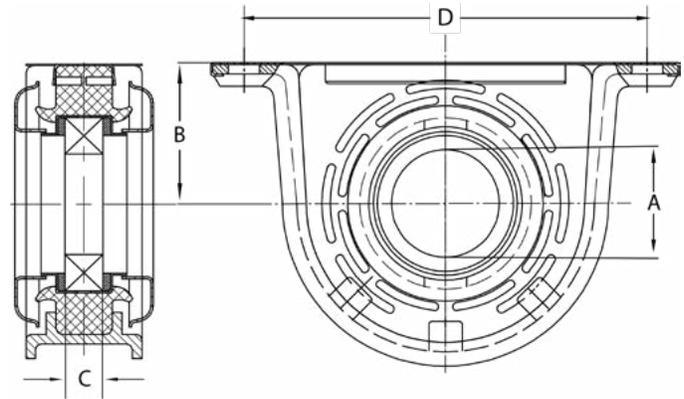
\* OSR (Outside Snap Ring) / RPL-HWD

PART No	CAP TYPE	D1 (mm.)	D2 (mm.)	L1 (mm.)	L2 (mm.)	NEAPCO No	MERITOR No
BL-CP20RPLS	HWD	52.32	52.32	134.62	174.75	6-0020	CP20RPLS
BL-CP25RPLS	HWD	52.32	52.32	168.40	208.28	6-0025	CP25RPLS

\*Products Sort By Diameter (D1)

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## Type Slip-Yoke Tube



PART No	APPLICATION	A BEARING INSIDE (mm.)	B HEIGHT (mm.)	C BEARING WIDTH (mm.)	D MOUNTING HOLES (mm.)	REPLACES
<b>BL5-37510-008-0</b>	Isuzu ELF (NPR/NKR/NHR)	32.00	65.00	20.00	158.40	5-37510-008-0
<b>BL88107A</b>	Isuzu NPR/NKR	40.00	56.50	22.24	168.12	902010T-X
<b>BL88107ACS</b>	Ford 100/350, Dodge 100/300	35.00	56.50	24.95	167.30	210088-1X
<b>BL88508ACS</b>	Agrale / Ford cargo 850 / B-60 / C-70	40.00	60.00	27.01	168.10	210391-1X
<b>BL88509ACS</b>	B60 / F950 / P900	45.00	68.26	26.98	168.21	210084-2X
<b>BL210121-1X</b>	Kodiak 240 / 209 Diesel / 211 Diesel New version of BL88510ACS "Dual Motion Rubber"	50.00	71.43	30.02	193.67	210121-1X
<b>BL88512ACS</b>	Kenworth, Ford, IHC9300, Chevrolet Super Brigadier	60.00	85.85	35.71	218.94	210661-1X
<b>BL5039020</b> <b>NEW</b>	Isuzu FRR 4HK1, FTR 6HK1 2012-2020	45.00	60.50	19.00	156.00	
<b>BL5003323</b>	Kenworth, Ford, IHC9300, Chevrolet Super Brigadier * New version of BL88512ACS "Dual Motion Rubber" * This new design has a double lip seal which does not require dust covers	60.00	85.58	35.71	218.99	10094142
<b>BL5100943</b> <b>NEW</b>	Isuzu FVR/FVR Forward/FVZ 6HK1 W/60mm Bearing	60.00	222.00	31.00	298.00	1-37510-0943
<b>BL90347KT-X</b> <b>NEW</b>	Isuzu NPR, NQR, NKR, NNR 2012-2021	40.00	64.00	22.00	158.50	90347KT-X



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## Universal Joint Strap Kits



**BLL475**



**BLL476**

PART No	FOR SERIES	BEARING CAP (mm.)	BEARING CAP (in.)	CI To CI (mm.)	CI To CI (in.)	REPLACES
<b>BLL475</b>	16150 (Repair Kit For BL475)	47.62	1.875	63.50	2.500	5-70-28X
<b>BLL476</b>	1710, 1760, 1810 (Repair Kit for BL476, BL477, BL478)	49.20	1.938	71.27	2.806	6570-18X 6.5-70-18X

## Center Support Bearings (Bearing Only)



PART No	BEARING REPAIR FOR CENTER SUPPORT
<b>BL88508AB</b>	BL88508ACS
<b>BL88509AB</b>	BL88509ACS
<b>BL88510AB</b>	BL88510ACS
<b>BL88512AB</b>	BL88512ACS

## Center Support Rubbers (Rubber Only)



PART No	RUBBER REPAIR FOR CENTER SUPPORT
<b>BL5003323AR</b>	BL5003323
<b>BL88107AR</b>	BL88107ACS
<b>BL88508AR</b>	BL88508ACS
<b>BL88509AR</b>	BL88509ACS
<b>BL88510AR</b>	BL88510ACS
<b>BL88512AR</b>	BL88512ACS

\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.

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## GEAR BOX REPAIR KITS

# TRANstec®

REBUILD IT RIGHT

**OE Original Equipment**

Gear Box Brand	Gear Box Type	Part No	Description
<b>TRW</b>	<b>HFB64</b>	<b>71004263</b>	Complete Gear Seal Kit
	<b>TAS40</b>	<b>15598800</b>	Input Shaft Only Seal Kit
		<b>49402023</b>	Replacement Poppet Kit
		<b>71004253</b>	Complete Gear Seal Kit
	<b>TAS55</b>	<b>15598800</b>	Input Shaft Only Seal Kit
		<b>49402023</b>	Replacement Poppet Kit
		<b>71000175</b>	Side Cover Bushing
		<b>71004188</b>	Sector Shaft Only Seal Kit
	<b>TAS65</b>	<b>15598800</b>	Input Shaft Only Seal Kit
		<b>49402023</b>	Replacement Poppet Kit
		<b>71000175</b>	Side Cover Bushing
		<b>71004188</b>	Sector Shaft Only Seal Kit
		<b>71004252</b>	Complete Gear Seal Kit
	<b>TAS85</b>	<b>15598800</b>	Input Shaft Only Seal Kit
<b>71004254</b>		Complete Gear Seal Kit	
<b>THP 60</b>	<b>49402023</b>	Replacement Poppet Kit	
<b>THP45</b>	<b>49402023</b>	Replacement Poppet Kit	
<b>THP60</b>	<b>71004290</b>	Complete Gear Seal Kit	
<b>RH SHEPPARD</b>	<b>492-02 Series 3,4,&amp; 5</b>	<b>71004271</b>	Complete Gear Seal Kit
	<b>HD94</b>	<b>71004277</b>	Complete Gear Seal Kit
	<b>M100</b>	<b>71004162</b>	Input Shaft Only Seal Kit
		<b>71004187</b>	Sector Shaft Only Seal Kit
		<b>71004270</b>	Complete Gear Seal Kit
		<b>71004285</b>	Complete Gear Seal Kit With "L" seal style sector shaft cover; With late style input shaft seal
		<b>71004296</b>	Complete Gear Seal Kit Auto Poppet Valve - with new style input shaft dust seal - Sheppard Reference # 5545531
	<b>71004297</b>	Complete Gear Seal Kit With bolt on sector shaft cover only	
	<b>M110</b>	<b>71004162</b>	Input Shaft Only Seal Kit Except M110 P2
	<b>M80</b>	<b>71004162</b>	Input Shaft Only Seal Kit
<b>M90</b>	<b>71004162</b>	Input Shaft Only Seal Kit	
	<b>71004271</b>	Complete Gear Seal Kit	
<b>ZF</b>	<b>8090</b>	<b>71004276</b>	Complete Gear Seal Kit
	<b>8097</b>	<b>71004275</b>	Complete Gear Seal Kit

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## GEAR BOX REPAIR KITS

<p><b>15598800</b></p>	<p><b>49402023</b></p>	<p><b>71000175</b></p>	<p><b>71004162</b></p>
<p><b>71004187</b></p>	<p><b>71004188</b></p>	<p><b>71004252</b></p>	<p><b>71004253</b></p>
<p><b>71004254</b></p>	<p><b>71004263</b></p>	<p><b>71004270</b></p>	<p><b>71004271</b></p>
<p><b>71004275</b></p>	<p><b>71004276</b></p>	<p><b>71004277</b></p>	<p><b>71004285</b></p>
<p><b>71004290</b></p>	<p><b>71004296</b></p>	<p><b>71004297</b></p>	

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# COMMERCIAL VEHICLE DIFFERENTIALS FOR MEDIUM DUTY AXLES



## New Spicer® Trac-Lok™ limited-slip differential

**Get Maximum Traction!**

For the Lifespan of Your Vehicle, Trust Dana Aftermarket.™



# SPICER

### CATEGORY

- Axle
- Driveshaft
- Transmission
- Lubricants

### APPLICATION

- Automotive
- Performance
- Commercial
- Off-Highway

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## COMMERCIAL VEHICLE

Driveshaft, Coupling Shaft, and Interaxle Shaft Assemblies

## New Spicer ReadyPack™ Preassembled Kits

**Save Time and Money!**

For the Lifespan of Your Vehicle, Trust Dana Aftermarket.™




**5-281X**

**10094142**

**9046111X**

PART No	DESCRIPTION
<b>211987X</b>	Boot Kit
<b>10094142</b>	Center Support and Repair Item 5003323 Superseded by 10094142
<b>86778</b>	Differential Spider
<b>9046111X</b>	End Yoke Assy
<b>904111</b>	Half Rnd End Yoke
<b>2505311</b>	Midship Tube Shaft
<b>905311</b>	Midship Tube Shaft
<b>31247746X</b>	Spring And Ring Kit
<b>902827</b>	Tube Yoke
<b>1203047300</b>	Tubing
<b>3630227300</b>	Tubing
<b>5-280X</b>	U-Joint
<b>5-676X</b>	U-Joint Kit
<b>5-677X</b>	U-Joint Kit
<b>SPL170-4X</b>	U-Joint Kit
<b>SPL250-3X</b>	U-Joint Kit
<b>5-281X</b>	Universal Joint Kit



\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.

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# GREAT NEW LOOK



We have re-designed our packaging, but our product and its quality wasn't touched. Be sure to receive the same great product!



## FEATURES

- T&J Water Pumps use components engineered and manufactured to deliver the quality and reliability you expect.
- Bearings and seals manufactured by QS-9000 certified suppliers, ensuring long-life durability.
- Hubs and impellers are measured and tested to ensure proper fit and performance.
- Gaskets are precision cut and have excellent compressibility.
- Extensive range of water pumps references (Over 700 Part Numbers; Light, Medium and Heavy Duty)
- Applications coverage for American, Asian and European vehicles.
- Industry compliant, ACES standard digitized catalog, available for viewing in our website.
- Barcoding (UPC-A) for inventory tracking and management.

# **T&T**® *NEW PUMPS*

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## **COOLING**

## CATERPILLAR

<p><b>70020</b></p>	<p><b>70041</b></p>	<p><b>70043</b></p>	<p><b>70335</b></p>
			
<p>Caterpillar V8 - All 3208 10.4L w/636cid Eng, w/Pulley Replaces AW2020, 2W1225, 9N1249, OR0781</p>	<p>Caterpillar V8 - All 3208 10.4L w/636cid Eng, w/Out Pulley Replaces AW2041, 2W1225, 9N6147</p>	<p>Caterpillar V8 - All 3208 10.4L w/636cid Eng, w/Threaded Pulley For Fan Clutch Replaces AW2043, 2W1227</p>	<p>Caterpillar, Freightliner, International, Kenworth, Peterbilt 3406B/C Engine - Gear Driven, Flat Gear Replaces 7W7019, 7C4957, OR8217, RW1194, WP-HD6006</p>
<p><b>70342</b></p>	<p><b>70350</b></p>	<p><b>70353</b></p>	<p><b>70376</b></p>
			
<p>Caterpillar C15 ACERT Eng; w/Twin Turbos Replaces AW6342, 10R2776, 10R3326, 10R6225, 10R8660, 2243238, 2443237, 2463132, 2764755, 2807374</p>	<p>Caterpillar C15 3406 Engine - Dome Shaped Gear - Straight Teeth 5.9" Impeller Opening Replaces 10R0484, RW6014, WP-2099</p>	<p>Caterpillar 3116/3126 w/4.37" Pulley Replaces AW6353, OR1015, 4P3683, 9V4879, OR3007</p>	<p>Caterpillar 3176B, C-10, C-12 Engines Cast Iron Housing W/Aluminum Cover Replaces 1006944, OR0705, OR3709, OR8767, RW4011X, US70</p>
<p><b>70377</b></p>	<p><b>70393</b></p>		
			
<p>Caterpillar 3176 Replaces 6009, 1025844, 7009X, 7E8554, 9Y4361, RW6009, US71 WA901-05-2400</p>	<p>Caterpillar, Freightliner, International, Kenworth, Peterbilt 3406E Engine Dome Shaped Gear - Curved Teeth Replaces 613890, 10R0483, OR4120, OR8330, OR8218, RW6012, WP-HD6012</p>		

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CUMMINS

23145	23222	70001	70032
			
Cummins B Series 3.9L 237 Turbodiesel, 5.9L 359 Replaces AW7145, 3802358, 3802970, 3802004, 3286277, 3802971	B Series 6.7L - Used in Dodge Ram 2500/3500/4500/5500 - Ford F650 F750 - Freightliner 108SD/M2 106 Peterbilt 210/220/325/330/335/337/348 - Sterling Acterra/Bullet 45,55 Replaces AW6222, WP-2151, P-215, US6222	Cummins Big Cam I, II - Suitcase Pump Multi Groove Pulley Replaces AW2001, AR45184, 3022474, 3801788	Cummins Big Cam IV 300, 350, 400 Suitcase - 4 1/2" Impeller Replaces AW2032, 3801708, AR45217, 3045943
70042	70047	70090	70091
			
Cummins NH Series 5 1/2" Bore Shaft Pancake Style w/Pulley Replaces AW2042, AR4283, AR4284, 7065X	Cummins C Series - In Line 6 Cyl Diesel - Used In Ford Trucks Series 400-1100, 8.3l 504 Replaces AW2047, 3913430, 3802081	Cummins N14 Series 14.0L Suitcase Pump Replaces AW2090, 3803361, 3803605, 3803605RX	Cummins L10 Series 10.0L 611 / M11 Series 10.8L 661, 1991 & Later, w/3 Mounting Holes Replaces AW2091, 3800737, 3803403RX, 4955705
70092	70093	70151	70152
			
Cummins ISM 10.8L L6 10834cc 661 CID M11-L10 Short Shaft 2001-2015 Replaces WP2440, 3401009, 3800479, 3800745, 4003929, 4955706, 4972857, RW4077X	Cummins 14.0 L6 N14 Engine for Volvo Replaces 3804826RX, RW1073VX	Cummins ISX Series 15.0L 912 with 10 Rib Groove Pulley (For Kenworth) Replaces AW6151, 4089908NX, 4025097RX, 4026702	Cummins ISX Series 15.0L 912 With 12 Rib Groove Pulley (For International) Replaces AW6344, 4089910, 4089158RX, 3684450

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## CUMMINS

70153	70154	70661	73158
			
<p>Cummins ISX, ISZ, QSX with 18 Rib Groove Pulley Replaces 3684450, 3683651, 3684449</p>	<p>Cummins Eng. ISX Series 15.0L With 18 Rib Groove Pulley (For International) Replaces 5406048</p>	<p>Cummins ISC Series 8.3L 505, ISL 8.9I 540 Replaces AW6661, 380427RX, 3940052, 4089647NX, 4089952</p>	<p>Cummins ISB Series 5.9L &amp; 6.7L L6 2002-2013 Replaces AW6158, 2881805, 3285414, 3286278, 3927015, 4935793, 05010964AB, 05086959AA, 05086959AB, 3286278RX, 3802923RX, 5010964AA, 5010964AB, 5086959AA, 5086959AB, WP-2141</p>

## DAF

78280

<p>DAF Trucks 95XF II, CF85, XF95, XF105, 1260VS / MX-13 12.9L Eng. Replaces 1778280, 1828141, 1828142, P9940, WP5021HD</p>

## DETROIT DIESEL

70101	70129	70130	70131
			
<p>Detroit Diesel DD13/ DD15 for Freightliner Cascadia 2011-UP Fan Clutch Not Included Replaces A4712001101, A4722000001, A4722000101, A4722000401</p>	<p>Detroit Diesel 60 Series 12.7L, EGR (Exhaust Gas Recirculation) Replaces AW2129, 23532542, (R)23530427, (R)23531257, (R)23535017</p>	<p>Detroit Diesel 60 Series 14.0L, EGR (Exhaust Gas Recirculation) Replaces AW2130, 23532543, (R)23531258, (R)23535018</p>	<p>Detroit Diesel 50/60 Series 12.7L, "Pocket Style" After 12/90. High Capacity w/ reservoir/pouch. W/O EGR Second Series. Gear Driven w/2 Outlets, High Horsepower (470 &amp; up), 3/8" Pipe Ports &amp; High Capacity 6 Vane Impeller Replaces AW2131, 23526039, 23517027, 23505895, 23518215, 23522707, 23523904, 23539601, 23539602</p>

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DETROIT DIESEL

70132



NEW

Detroit Diesel DD15/DD13 w/Fan Clutch  
Replaces A4712000901, A4722001601,  
EA4712001101, EA4722001601,  
EA4722002001

FORD

32109



Ford Truck V10 6.8L 415  
Replaces AW4109, 4C3Z8501B,  
4C3E8501AA, F7UZ8501DA,  
F81Z8501DA, YC3Z8501AB

42062



Ford Truck L6 6.6L 401, 7.8L 476  
Diesel, Before 10-1-90  
Replaces AW4062, ETHZ8501B,  
E8HZ8501B, E8HZ8501C, E8HZ8501CRM

72114



Ford 7.3L V8 E-350 1996-2003, E-450  
2000-2003, E-550 2002-2003,  
Excursion 2000-2003, F-250 1996,  
F-350, 1996-2003, F-450 F-550  
1999-2003, All 445 Direct Ing Turbo  
Diesel  
Replaces AW4114

GM

21098



SO

GM Chevrolet 2001-05 Silverado &  
GMC Sierra 2500HD & 3500 - 6.6L,  
400 Diesel  
Replaces AW5098, 8972161367,  
19168888, 251-723

71053



GM V8 6.6L 400 Duramax Diesel  
Replaces AW6053, 97372515, 98031233

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## HINO

**96080**



**NEW**

Hino 300 Dutro City Euro IV 2010-2021  
Replaces GWH-13A, 16100-4080,  
6100-E0B60

**96971**



**NEW**

Hino 500 FM8J C GH8J Euro IV.  
Engine JO8E 2002-2010  
Replaces GWH-03A, S1610-03971

## INTERNATIONAL / NAVISTAR

**23713**



International DT408 - DT466C, 7.6  
Replaces AW3713, 1817687C92-C94-  
C95-C96-C97, 1830606C94, 1821935C3,  
1817686C94, 1817967C96, 1830606C95

**73710**



International Truck / Navistar  
Medium & HD Series, L6, 7.6L DT466  
Replaces AW3710, 685155C91-C92-  
C94-C95, 735327C91

**73712**



Navistar DT360 / DT466 7.6L Left  
Replaces AW3712, 1815538C91,  
735445C91, SGA735327

**73716**



International Truck / Navistar, T444E  
7.3L 444 & Ford Truck Series 400-1100  
V8, 444 - 7.3L, 1994-2005 T444e  
Turbocharged Diesel  
Replaces AW3716, 1823669C92,  
1831676C91-C92, 1889249C91

**73717**



International / Navistar DT466E 7.6L  
Replaces AW3717, 1830607C4,  
1841764C2, 1842664C92, 1842665C93

ISUZU

36302	90025	90042	90043
			
<p>Isuzu Elf NKR NPR 4BA1 2800cc 1984-1985 / 4BC2 3300cc 1984-1989, 4BD1-T 3900cc 1984-1986 / 4BE1 3600cc 1986-1995</p> <p>Replaces AW9302, GWIS35A, I32, 8941295540, 841295541, 8943721190, 8943768530, 8943799240, 8944398500, 8944398501, 8944398502 8970185560, 8970211710, 8970211711, 8970211712, 8970213151, 8973721190, 894439850Z</p>	<p>Isuzu Elf 150 NHR-54 4JA1 2500cc, NHR-55 4JB1 2800cc, NKR-55 4JB1 2800cc 1984-1986</p> <p>Replaces GWIS25A, I26, 7941403412, 8941403411, 8941403412, 8943100250, 8943102510, 8943102511, 8943768440, 8943768441, 8943768510, 8943794720, 8944194610, 8944194611, 8944194612, 8944611730, 8970185600, 8970379660, 8970627960, 8970627964, 8971233300, 8973768510, 8979401570</p>	<p>Isuzu NPR 4HF1 Eng.</p> <p>Replaces GWIS42A, I45, 8970739510, 21010-89TA0</p>	<p>Isuzu NPR/NQR Reward FFR 4HK1.TCN 2015-Up</p> <p>Replaces 8-9807-831-2</p>
90044	90045	90046	
		 <b>NEW</b>	
<p>Isuzu NKR Reward 4JJ1-TC 2015-Up</p> <p>Replaces 8-98004292-3</p>	<p>Isuzu Elf NHR NKR 4JA1 2500cc 1984-1986 / 4JB1 2800cc 1984-1993, 4JG2 3100cc 1993-2012</p> <p>Replaces GWIS45A, I43, 8971050120</p>	<p>Isuzu FVR FTR FVZ 6HK1</p> <p>Replaces 1873109740</p>	

MACK

70004	70005	70006	70007
			
<p>Mack L6, 1973-1982 END-T w/675 &amp; ESI, End-T Long Shaft maxidyne w/Out Pulley (Reuse Existing)</p> <p>Replaces AW2004, EWP-3365, EWP-3366, 316GC1184, 316GCA1211A, 316GC1205, 316GC1211A</p>	<p>Long Shaft Mack E7/E-Tech</p> <p>Replaces 316GC285B, 316GC3195, EWP-3369, EM33690</p>	<p>Short Shaft Mack E7/E-Tech</p> <p>Replaces 316GC284A, EWP-3367, EM33670</p>	<p>MP7/MP8 and Volvo D11/D13</p> <p>Replaces 85124623, 85142305, 801131, 81131E</p>

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## MERCEDES

78001	78002	78008	78009
		 <small>SO</small>	
Mercedes / Freightliner MBE904, OM904, 4.3L 259 1 Outlet Replaces AW2126, A9042002601, 9042000201, 9042002001, 9042001901, 604200701	Mercedes / Freightliner MBE906, OM906, 6.4L 388 2 Outlet Replaces AW2127, A9062001301	Mercedes / Dodge - Sprinter Van, L5 - 2.7L Diesel 2004-2007 Replaces AW6008, A61122001101, 611-200-1101	OM906 LA, OM924 LA, OM926 LA Replaces US16018, 906 200 63 01, 906 200 51 01, 906 200 43 01, 906 200 40 01

## NISSAN

93046	93047	93048	93065
	 <small>SO</small>	 <small>SO</small>	 <small>SO</small>
Nissan Datsun, Terrano TD23, TD27, QD32 1986-2002 Replaces GWN46AF, N36, 21010-35V25, 21010-35V26, 21010-35V27	Nissan Atlas, Caravan, Condor, Homy Isuzu ELF TD23, TD25, TD27, QD32, BD30 1986-2012 Replaces GWN47AF, N42, 21010-02N03, 21010-02N25, 21010-02N85	Nissan TD27 Replaces N64, 21010-21N25, 21010-21N28	Nissan Datsun, Terrano TD27T 1988-1997 Replaces GWN-65AF, N41, 21010-0F002, 21010-0F003, 21010-2S526, 21010-80G01, 21010-80G25, 21010-80G26

## VOLVO

70007	70008	78003
		
Volvo Eng. D11/D13 Replaces 85124623, 85142305, 801131, 81131E	Volvo Eng. D12 Replaces 20431135	Volvo Truck F12 Replaces 1545261, 1699790, 3184802, 478845

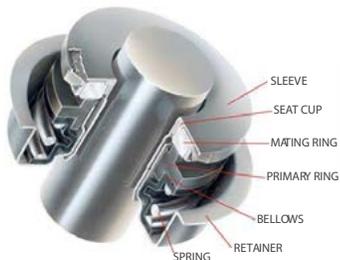
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**BLOWERS, FAN CLUTCHES & COMPONENTS**

<p><b>530P0000</b></p>  <p>Friction, 7.5", Horton S Type Replaces 994212</p>	<p><b>530P0001</b></p>  <p>Friction, 9.5", Horton HTS Type / Replaces 994246</p>	<p><b>530P0002</b></p>  <p>Lining, Drive Master, 7.5", Horton Type Replaces 994349</p>	<p><b>530P0003</b></p>  <p>Seal Kit, S and HTS, Horton Type / Replaces 994205, 994370</p>
<p><b>530P0004</b></p>  <p>Kit, Bearing, K22, 26, Kysor Type</p>	<p><b>530P0005</b></p>  <p>Seal Kit, Drivemaster, Horton Type / Replaces 994346</p>	<p><b>530P00021</b></p>  <p>Transmission Oil Cooler w/Bracket</p>	<p><b>530P00039</b></p>  <p>Motor-Blower, Brushless for Freightliner Business Class M2 2003-2017 / Cascadia PX-113/125 2008-2017 / BHS 351004481</p>
<p><b>530P00040</b></p>  <p>Block Type Expansion Valve Refrigerant Type: R12/R134a Hose Inlet Size: #8 / Outlet Size: #12 Evaporator Inlet: #8 Outlet: #12 Flange Mount For Freightliner Trucks Road Choice EV01440</p>			

**SEALS**



PART No	DESCRIPTION
<b>S-106</b>	Seal Water Pump
<b>S-106-ML</b>	Seal Water Pump w/Ceramic Mating Ring
<b>S-2003-ML</b>	Seal Water Pump w/Ceramic Mating Ring
<b>S-206-ML</b>	Seal Water Pump
<b>S-246-ML</b>	Seal Water Pump w/Ceramic Mating Ring

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## ANTIFREEZE + COOLANT

TJ5050GRG	TJ5050RBC	TJ8020RBC
		
<p><b>GREEN</b> Long Life Antifreeze+Coolant 50/50</p> <ul style="list-style-type: none"> <li>• Protects freezing up to -34°F (-36°C) and boil-overs to 226°F (107°C)</li> <li>• 5 Years or 150,000 Miles Protection</li> <li>• Compatible with all Gasoline &amp; Diesel fueled passenger cars, light duty &amp; heavy duty service</li> <li>• Meets or exceeds ASTM D3306, ASTM D4985, TMC RP 302A</li> </ul>	<p><b>RED</b> Long Life Antifreeze+Coolant 50/50</p> <ul style="list-style-type: none"> <li>• Protects freezing up to -34°F (-36°C) and boil-overs to 260°F (126°C)</li> <li>• 6 Years or 200,000 Miles Protection</li> <li>• Compatible with all Gasoline &amp; Diesel fueled passenger cars and light duty trucks</li> <li>• Meets or exceeds ASTM D3306, ASTM D4985, ASTM D6210, TMC RP 329/338, VW G11, G12, G12+ and G13</li> </ul>	<p><b>RED</b> Long Life Antifreeze+Coolant 20/80</p> <ul style="list-style-type: none"> <li>• Protects freezing up to 12°F (-11°C) and boil-overs to 230°F (110°C)</li> <li>• 6 Years or 200,000 Miles Protection</li> <li>• Compatible with all Gasoline &amp; Diesel fueled passenger cars and light duty trucks</li> <li>• Meets or exceeds ASTM D3306, ASTM D4985, ASTM D6210, TMC RP 329, VW G11, G12, G12+ and G13</li> </ul>

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PRODUCTS**



**9908503**



**995634**



**994349**

PART No	DESCRIPTION
<b>995634</b>	Air Cartridge Kit*Fan Clutch*Dma
<b>79A5512</b>	Clutch DM Reman CRLS / Cum 172.3 / 10-Pk / 65.0 Plt / 20.7 Studs
<b>79A5067</b>	Clutch DMA Reman - Crls - 3-V Grv - 157.5 OD Coreless
<b>991450</b>	Clutch HT650 - Mer 152.4 B.C. - 127.0 Plt - 6.35 Tube
<b>9902003</b>	Clutch Vmaster - Air Sensing - VS 162 R - Sterling
<b>991813253</b>	Fan 813 CW Plastic 65.07 PD / 88.9 BC BK
<b>Q995568</b>	Fan Clutch Quick Repair Kit 38.1 Studs - Conversion DM Advantage Conversion Replaces 994985 995568
<b>994348</b>	Fan Clutch Repair Kit
<b>Q995669</b>	Fan Clutch Repair Kit - 38.1 Studs-Quick Kit DMA Replacing 994902
<b>994305</b>	Fan Clutch Repair Kit - HT/S Advantage Super Kit
<b>994370</b>	Fan Clutch Repair Kit - Replaces 994205
<b>994307</b>	Fan Clutch Repair Kit - S Advantage Super Kit
<b>9902013</b>	Fan Clutch V Master Air Sensing VS162
<b>994317</b>	HT650 Major Repair Kit
<b>793000</b>	HTS Adv Clutch-Reman CRLS 2 GRV 07.03
<b>994246</b>	HTS Facing - Friction
<b>995617</b>	Kit Polarforce W/Drac Bearing - 5.00 Plt - 27.1 Studs
<b>9908504</b>	Klondike 26 and 30 Rear - Air Fan Clutch Replaces 9908501
<b>9908300</b>	Klondike Bearing Repair Kit
<b>9908400</b>	Klondike K22 Rear Major Repair Kit
<b>9908503</b>	Rear-Air Fan Clutch
<b>995530</b>	Repair Kit Fan Clutch 38.1 mm Studs - Super Kit DMADV
<b>994349</b>	Repair Kit Fan Clutch Friction Liner-DM
<b>9908407</b>	Repair Kit Liner Klondike 26
<b>9908408</b>	Repair Kit Major Rear - Air Klondike 30 9908408 Replaces 9908405
<b>993281</b>	Valve 3-Way - NC 125 NPTF -12 VDC - w/O Diode

**CONTACT YOUR SALES REP FOR MORE INFORMATION**

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# KIT MASTERS

3 Year/300,000 Mile Warranty

# FAN CLUTCH & COMPONENTS



KIT MASTERS No	HORTON No	DESCRIPTION
4205	994370	Seal kit for S & HT/S style air-engaged fan clutches
14-256	Q995568	GoldTop Fan Clutch Rebuild Kit - Auto Lock - 2.56" fan pilot and two pulley bearings
14-L	994348 994349	Lining Kit
14-S	994346	Seal Kit
24-256	Q995582	2-Speed GoldTop Rebuild Kit
4735-41393-08KM	991813253	Engine Fan CW, 9 Blades, Width: 3.5", Pilot Dia. 2.56", Bolt Dia. 3.5", Diameter 32"
7500HP	994307	7.5-Inch Fan Clutch Rebuild Kit
8500SKL	9908400	RA Kysor-Style Seal & Lining Kit (K-22)
8581-01	9908300	Kysor-Style Hub Bearing Kit. Includes one 6209 bearing and one 6207 bearing
8800SKL	9908408	RA Kysor-Style Seal & Lining Kit (K-26 thru K-32)
8901N	9908504	Kysor-Style Fan Clutch Replaces K22, K26, K30 and K32 rear air fan clutches
9500HP	994305	9.5-Inch Fan Clutch Rebuild Kit



FEATURE	HORTON®	KIT MASTERS
<b>TORQUE</b> Inadequate torque leads to slipping friction material on engagement. Slipping leads to heat. Heat leads to pulley bearing failure.	2,400 inch-pounds	<b>5,000</b> inch-pounds
<b>AUTO LOCK™: A TRUE FAIL-SAFE DESIGN</b> Kit Masters' patented Auto Lock feature <b>AUTOMATICALLY ENGAGES</b> the fan clutch when the friction material nears the end of its life, preventing on-the-road failures.	NO	<b>YES</b>
<b>INDUSTRY-BEST WARRANTY</b>	1-Yr/100,000 mile Non-Resetting	<b>3-Yr/300,000 mile</b> Resetting



FEATURE	HORTON®	BORGWARNER®	KIT MASTERS
<b>DUAL SEAL PROTECTION</b> Our extended rear-air shaft allows for a second o-ring. This second o-ring is made from urethane which is resistant to wear caused by motion.	NO	NO	<b>YES</b>
<b>AUTO LOCK™: A TRUE FAIL-SAFE DESIGN</b> Kit Masters' patented Auto Lock feature <b>AUTOMATICALLY ENGAGES</b> the fan clutch when the friction material nears the end of its life, preventing on-the-road failures.	NO	NO	<b>YES</b>
<b>INDUSTRY-BEST WARRANTY</b>	1-Yr/100,000 mile Non-Resetting	3-Yr/unlimited mile Non-Resetting	<b>3-Yr/300,000 mile</b> Resetting



FEATURE	HORTON®	KIT MASTERS
<b>VITON® O-RINGS</b> Viton® o-rings increase maximum operating temperature from 200° to 400°.	NO	<b>YES</b>
<b>ADDITIONAL HUB BEARING</b> Our splined hub has an additional internal bearing to help transfer more of the load further down the shaft.	NO	<b>YES</b>
<b>STRONGER FRICTION MATERIAL</b> Premium material, plus spring-tempered bonding process to prevent failure.	NO	<b>YES</b>
<b>INDUSTRY-BEST WARRANTY</b>	1-Yr/100,000 mile Non-Resetting	<b>3-Yr/300,000 mile</b> Resetting



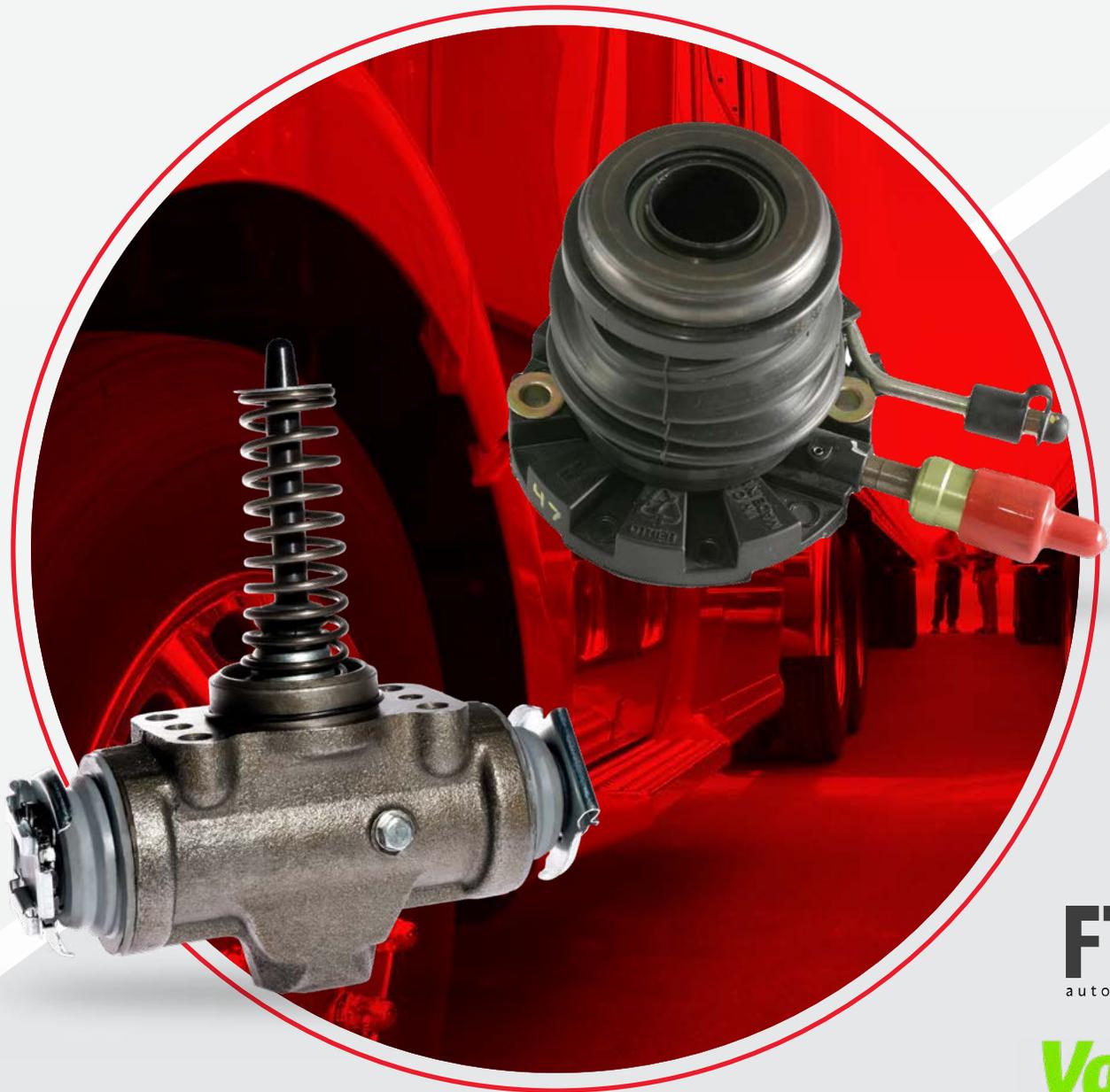
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**Valeo** 

# HYDRAULIC BRAKE & CLUTCHES

SAP No	FTE No	INTERCHANGE No	APPLICATION
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## FORD

### ACTUATORS

<b>SAP17480</b>	D701048	F81Z-7A543-FA YC3Z7C522DA	F-250, 350, 450, 550 Heavy Duty Trucks 5.4L & 6.8L 1999-2003 (W/O Interlock Switch)
<b>SAP17500</b>	D701050	4C4Z 7C535 AD 2C44-7C522-AF	F-650, F-750 7.2L L6 441CID Diesel Caterpillar/Cummins Engine 2010>2014 F-12000, F-14000, F-16000 1999>2005 (W/O Interlock Switch)
<b>SAP17510</b>	D701051	2C3Z7C522CA 3C3Z-7C522-C	F-250, 350, 450, 550 Heavy Duty Trucks 4.2L V6 Gas, 3.9L DSL 1999>2001 (W/O Interlock Switch)

### SLAVE CYLINDERS

<b>SAP1052S</b>	D151052	2C4Z-7C522-C 2C4Z-7C522-D YC3Z 7C522 AC 2C34 7C522 DA	F-Series F-550, 650, 750 7.3L Dsl 1999>2003 F-12000, F-14000, F- 16000 (ALL) 1999> (Heavy Duty)
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## MERCEDES

### MASTER CYLINDERS

<b>KG190084.0.1</b>	KG190084.0.1	A002.295.0206	712 / 710 / L0814 / Atego 1315 / 1418 / 1518 / Axor 2036 / 2041 / 2536 / 2541 / 1933 / 2533 / 3344 / 2640 (Heavy Duty)
<b>KG20001.0.8</b>	KG20001.0.8	A001.295.9106	1218 / 1318 / 1418 / 1620 / 1622 / 1938 / OF1519 / Atego 2425 / 1718 / 1725 / 2429 (Heavy Duty)
<b>KG20001.4.3</b>	KG20001.4.3	695 295 06	712 / 710 / L0814 / 1218 / 1318 / 1620 / LF1634 / L0915 (Heavy Duty)

### SLAVE CONCENTRIC CYLINDERS

<b>ZA5108.3.2</b>	ZA5108.3.2	A002.250.5115 A002.250.5415 A002.254.0420 A002.254.0320	915 C Accelo 2001> Atego 1315 / 1418 / 1518 / 1718 / 1718M / 1218 LA 2004> 712C / 914C / 1214C / 1215C / L0914, 915 2004> 1725 / 1718 / 2428 2004> (Heavy Duty)
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## PHOTOS



\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.

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## EXPANDER

### SAP10870



**NEW**

Expander for Chevrolet Isuzu FVR  
FTR 2012-2020  
Isuzu 1-47601-087-0

## SLAVE & MASTER CYLINDERS

### SAP97503



**NEW**

Slave Cylinder - Clutch Servo - Max. Operating Press. 1450.4 PSI Length. 210mm for American Trucks  
Wabco 970 051 503 0

### SAP97505



**NEW**

Slave Cylinder - Clutch Servo - Max. Operating Press. 752.2 PSI, Length. 204.6mm for American Trucks  
Wabco 970 051 505 0

### SAP11060F



**NEW**

Hydraulic Clutch Pedal Assembly Unsynchron - Stroke 8.46 in for American Trucks  
Wabco 965 001 106 0

### SAP12080F



**NEW**

Hydraulic Clutch Pedal Assembly - Stroke 8.46 in for American Trucks  
Wabco 965 001 208 0

### 9700515030



**NEW**

Servo Clutch - Slave Cylinder  
Max. Operating Pressure: 100 bar  
Port Thread 32: M7x 1  
Stroke: 53.3mm  
Distance Between Holes: 130mm  
Temp. Range: -40 °C to +80 °C  
Wabco 9700515030

### 9700515120



**NEW**

Servo Clutch - Slave Cylinder  
Max. Operating Pressure: 50 bar  
Port Thread 32: M7x 1  
Port Thread 1: M14 x 1.5  
Stroke: 25mm  
Distance Between Holes: 130mm  
Temp. Range: -30 °C to +100 °C  
Wabco 9700515120

### 4008509040



**NEW**

Control Clutch - Master Cylinder  
Max. Operating Pressure: 100 bar  
Port Thread 2: ø12.0mm  
Stroke: 25mm  
Distance Between Holes: 70mm  
Temp. Range: -40 °C to +80 °C  
Wabco 4008509040

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**TRUCK & AUTO PARTS**  
Since 1983

# WHY OUR CLUTCHES ARE BETTER?

- Diaphragm has double heat treatment, with hardened diaphragm fingers



- High clutch release load system with low pedal effort, resulting in high torque transmission with a better driving comfort.



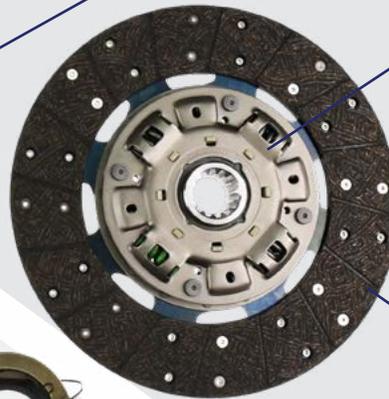
- Maintenance free Bearings



- New Packaging  
Nuevo Empaque



- Pre-damping system, helps control the vibrations of the vehicles (diesel eng.) transmission system. Steel tempered clutch plate and heavy duty springs to withstand 1 million cycles.



- Organic friction facing & high copper content resulting on heat dissipation

## FEATURES

- Organic friction facing with high copper content and non asbestos (NAO) material
- Meets or exceeds OEM specifications
- SAP technology clutch discs feature the pre-damping system, which helps control the vibrations of the vehicle's (diesel eng.) transmission system. Steel tempered clutch plate and heavy duty springs to with stand 1 Million cycles.
- Diaphragm has double heat treatment, with hardened diaphragm fingers
- Maintenance free bearings
- High clutch release load system with low pedal effort resulting in high torque transmission with a better driving comfort
- New packaging



**TRUCK & AUTO PARTS**  
*Since 1983*



# **HEAVY DUTY CLUTCHES**

## HEAVY DUTY CLUTCH SETS

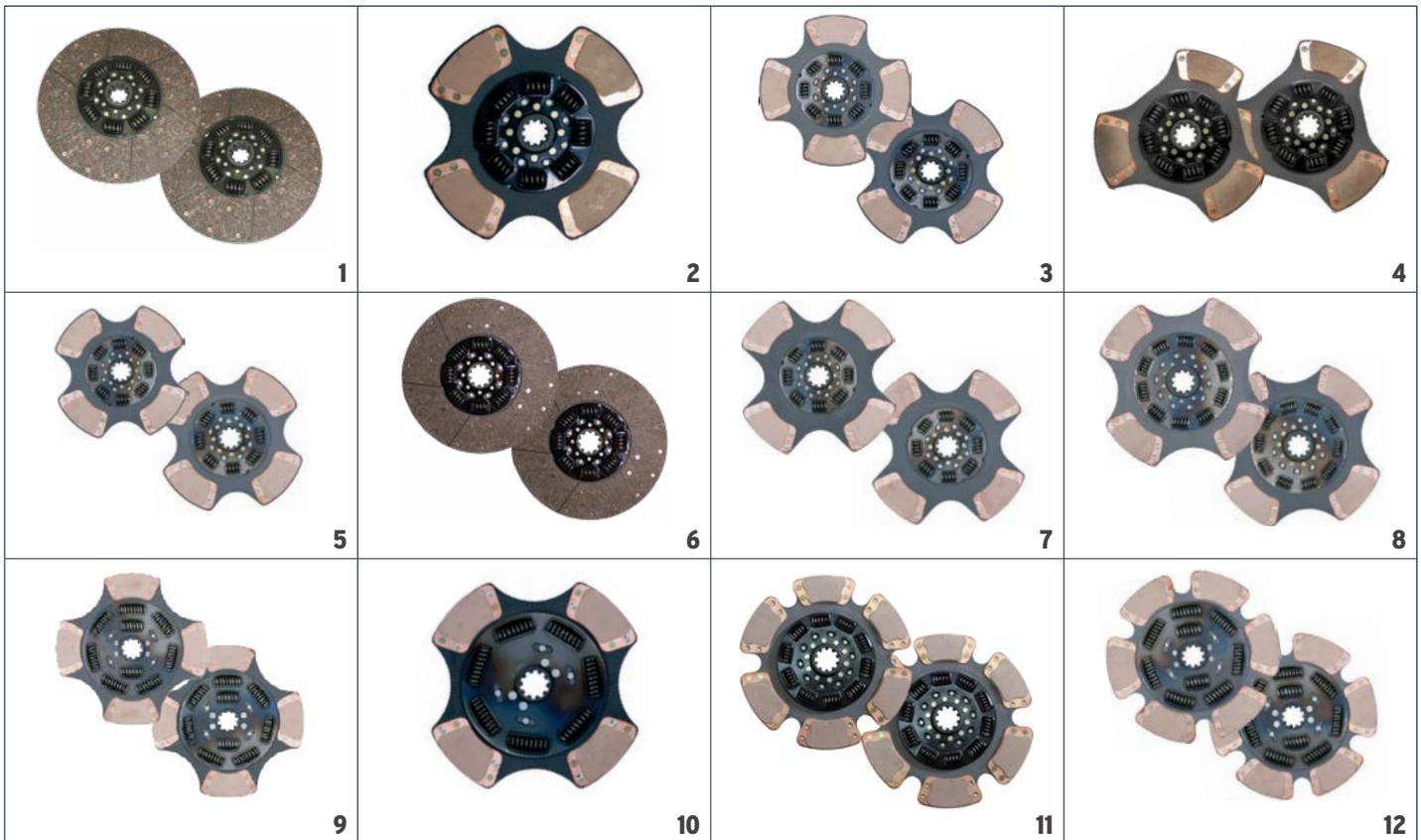
PART No	COVER SPRINGS	LOAD	TORQUE	NO OF DISCS	DISC SPRINGS	FACING	FRONT DISC No	REAR DISC No	CENTER PLATE No	FLYWHEEL DIAMETER (in)
<b>14" x 1 3/4" x 10</b>										
<b>SAP107237-10S</b> (Aluminum Stamping Cover, No Casting)	6	2800	860	2	8	3 Ceramic	128667	128668	125327	7"
<b>SAP107915-1</b> <sup>SO</sup>	6	3200	650	1	8	4 Ceramic	128303	N/A	N/A	7"
<b>SAP108063-59A</b> <sup>SO</sup>	6	3600	1250	2	8	4 Ceramic	127404	127405		
<b>14" x 2" x 10</b>										
<b>SAP108050-59</b>	6	3600	1400	2	8	4 Ceramic	128229	128230	113C70	7"
<b>15 1/2" x 2" x 10</b>										
<b>SAP108391-74B9</b>	9	3600	1650	2	10	4 Ceramic	128257	128258	125327	8.5"
<b>SAP108391-93HB9</b> <sup>SO</sup>	9	4000	1860	2	10	6 Ceramic	128539	128540	125327	8.5"
<b>SAP108925-25B9</b>	9	4000	2050	2	7	6 Ceramic	128709	128709	125327	10"
<b>SAP108925-82B9</b> (Supersedes SAP108925-82B)	9	3600	1650	2	7	4 Ceramic	128462	128462	125327	10"
<b>SAP108935-51</b>	6	3600	1650	2	9	4 Ceramic	128362	128363	125327	10"



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## HEAVY DUTY DISCS

PART No	REPLACES EATON No	SPRINGS	POSITION	FACING	BORE (in.)	PHOTO
<b>14" x 1 3/4" x 10</b>						
SAP128304D	128304	8	Front	Organic	7"	1
SAP128305D	128305	8	Rear	Organic	7"	1
SAP128342D	128342	8	Front	4 Ceramic	7"	2
SAP128578D	128578 (128667)	8	Front	4 Ceramic	7"	3
SAP128579D	128579 (128668)	8	Rear	4 Ceramic	7"	3
SAP128667D	128667	8	Front	3 Ceramic	7"	4
SAP128668D	128668	8	Rear	3 Ceramic	7"	4
<b>14" x 2" x 10</b>						
SAP128229D	128229 / 128521	8	Front	4 Ceramic	7"	5
SAP128230D	128230 / 128522	8	Rear	4 Ceramic	7"	5
SAP128312D	128312	8	Front	Organic	7"	6
SAP128313D	128313	8	Rear	Organic	7"	6
<b>15 1/2" x 2" x 10</b>						
SAP128215D	128519 / 125215	8	Front	4 Ceramic	7"	7
SAP128216D	128520 / 125216	8	Rear	4 Ceramic	7"	7
SAP128257D	128257	10	Front	4 Ceramic	8 1/2"	8
SAP128258D	128258	10	Rear	4 Ceramic	8 1/2"	8
SAP128362D	128362	9	Front	4 Ceramic	9 3/4"	9
SAP128363D	128363	9	Rear	4 Ceramic	9 3/4"	9
SAP128462D	128462	7	Front - Rear	4 Ceramic	10"	10
SAP128539D	128539	10	Front	6 Ceramic	8 1/2"	11
SAP128540D	128540	10	Rear	6 Ceramic	8 1/2"	11
SAP128569D	128569	9	Front	6 Ceramic	8 1/2"	12
SAP128570D	128570	9	Rear	6 Ceramic	8 1/2"	12



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## BEARINGS

SAP1514134B	SAP15142B	SAP15755
Clutch Cover Bearing for 14" & 15" 1 3/4" Bearing	Clutch Cover Bearing for 14" & 15" - 2" Bearing	Clutch Release Bearing For Isuzu

## CENTER PLATES

PART No	OUTER DIA. (in.)	THICKNESS (in.)	REPLACES SPICER
SAP113C49 <sup>SO</sup>	14"	0.630"	113C-49
SAP113C70	14"	0.810"	113C-70
SAP125327	15 1/2"	0.763"	113C-52

SAP113C49	SAP113C70	SAP125327

## CLUTCH BRAKES



SAP127200H	SAP127740H	SAP127760	SAP-RC2540K
2" Hinge Clutch Brake Replaces Spicer 127200	1 3/4" Hinge Clutch Brake Replaces Spicer 127740	2" Torque Limiting Clutch Brake Replaces Eaton 127760	2" Fiber Clutch Brake Washer Replaces Spicer RC2540K

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## CLUTCH PARTS & COMPONENTS

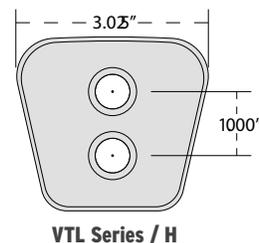
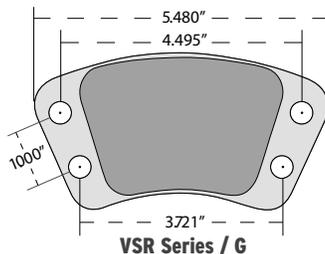
<b>SAP125300</b>	<b>SAP125489</b>	<b>SAP274C28</b>	<b>SAP274C6</b>
			
Clutch Adjuster Replaces Spicer 125300	Clutch Adjuster - Push and Turn Replaces Spicer 125489	Drive Lug Threaded for 14" Flywheels Replaces Spicer 274C28	Drive Lug Non-Threaded for 14" Flywheels Replaces Spicer 274C6
<b>SAP6306-2RS</b>	<b>530P01771</b>	<b>530P01910</b>	
			
Pilot Bearing Replaces OEM 6306-2RS	Clutch Installation Kit For Eaton Fuller RT Series 1200,1300,1400, 1500,1600,11600 Fuller K-2468	Clutch Installation Kit For Eaton Fuller FR Series Fuller K-3600	

## CLUTCH BUTTONS • VELVETOUCH®



### CLUTCH BUTTONS

PART No	SERIES	THICKNESS (in.)	MATERIAL	RIVET SERIES	REPLACES OEM No	COLOR
<b>VSR22</b>	VSR	0.178"	Ceramic	G	VSR-22	Green
<b>VSR23</b>	VSR	0.187"		G	VSR-23	Orange
<b>VTL7</b>	VTL	0.175"		H	VTL-7	Green
<b>VTL8</b>	VTL	0.187"		H	VTL-8	Orange



## CLUTCH RIVETS • VELVETOUCH®

### CLUTCH RIVETS

PART NO	HEAD DIA. (in.)	BODY DIA. (in.)	LENGTH THICKNESS (in.)	CARRIER PLATE THICKNESS (in.)
<b>G3</b>	0.485"	0.369"	0.361"	0.090"
<b>H3</b>	0.635"	0.497"	0.365"	0.110"

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## JAPANESE SERIES CLUTCHES

### CLUTCH KITS (Cover, Disc, & Bearing)

PART No	APPLICATION	YEAR	TEETH	DIAMETER (mm.)	REPLACES	PHOTO
SAP1020070	Isuzu NKR/NHR Turbo 2nd Series/NHR Reward	12/	24	250	510035B	1
SAP1030035	Isuzu NKR/NHR Turbo 2nd Series/NHR Reward, ELF 100 4JH1-TCN (Supersedes SAPI020070)	12/	24	250	510035B	2
SAP1030077	Isuzu NKR Reward/NNR/NPR Reward Light/NPR 3rd Series, ELF 200 E 4JJ1-TC	04/	14	300	510077B	3
SAP1030107	Chevrolet, Isuzu Luv Dmax 3.0 L Diesel	05/	24	250	510107B	4
SAP1030108	Chevrolet, Isuzu Luv 2.5 L Turbo Diesel/Luv Dmax 2.5 L Diesel 4x2	05/	24	225	510108B	5
SAP1030220	Isuzu NPR Reward/NQR Reward, ELF 400/500/600 4HK1-TC	11/	14	325	510220B	6

### CLUTCH SETS (Cover & Disc)

PART No	APPLICATION	YEAR	TEETH	DIAMETER (mm.)	REPLACES	PHOTO
SAP1020038	Isuzu NPR 2nd Series Turbo 4.6 L 4HG1-T	00/	21	300	510038	7
SAP1020226	Isuzu FRR Euro II 4HK1-TCS	03/	10	350	510226	8
SAP1020227	Isuzu FTR Euro II 6HK1-TCS	04/	10	380	510227	9

### CLUTCH DISCS

PART No	APPLICATION	YEAR	TEETH	DIAMETER (mm.)	REPLACES	PHOTO
SAP2010035	Isuzu NKR/NHR Turbo 2nd Series/NHR Reward, ELF 100 4JH1-TCN	01/	24	250	581040	10
SAP2010038	Isuzu NPR 2nd Serie Turbo 4.6 L 4HG1-T (Supersedes SAP1162078)	00/	21	300	581039	11
SAP2010047 <b>NEW</b>	Hino 500 Series FC9J/GD8J - Eng. J08EUB/J08EUD/J05ETC/J08EUD/J05ETC	06/	10	350	582035	12
SAP2010077	Isuzu NKR Reward/NNR/NPR Reward Light/NPR 3rd Series, ELF 200 E 4JJ1-TC (Supersedes SAPI162094)	04/	14	300	581047	13
SAP2010092 <b>NEW</b>	Hino 300 Series GB8J/Pro/Pack/Express/City Team - Eng. N04CUY/N04CVB/N04CUV	06/	14	325	581042	14
SAP2010107	Chevrolet Luv Dmax 3.0 L Diesel	05/	24	250	582061	15
SAP2010108	Chevrolet Luv 2.5 L Turbo Diesel/Luv Dmax 2.5 L Diesel 4x2	05/	24	225	582066	16
SAP2010220	Isuzu NPR Reward/NQR Reward, ELF 400/500/600 4HK1-TC	11/	14	325	581054	17
SAP2010226	Isuzu FRR Euro II	03/	10	350	582087	18
SAP2010227	Isuzu FTR Euro II	04/	10	380	582085	19
SAP2010655 <b>NEW</b>	Isuzu FRR Euro 4 4HK1	14-20	10	350	1-31240-949-3	20
530P00106 <b>NEW</b>	JMC & JAC Trucks		24	240		21

### CLUTCH COVERS

PART No	APPLICATION	YEAR	DIAMETER (mm.)	REPLACES	PHOTO
SAP3010540 <b>NEW</b>	Hino 500 Series FC9J/GD8J - Eng. J08EUB/J08EUD/J05ETC/J08EUD/J05ETC	06/	350	562035	22
SAP3010548 <b>NEW</b>	Hino 300 Series GB8J/Pro/Pack/Express/City Team - Eng. N04CUY/N04CVB/N04CUV	06/	325	561042	23
SAP3010655 <b>NEW</b>	Isuzu FRR Euro 4 4HK1	14-20	350	1-31220-454-0	24
530P00105	JMC & JAC Trucks		240	1601100BG	25

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## JAPANESE SERIES CLUTCHES



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# EATON



**CONTACT YOUR SALES REP FOR MORE INFORMATION**

Eaton is a leading worldwide supplier of medium and heavy-duty clutches to the commercial vehicle industry. Our OE and aftermarket clutches are unmatched in terms of reliability, durability and performance. We are preferred by most OEMs, and our engineers employ rigorous component and vehicle testing to ensure absolute performance excellence. Our state of the art, precision manufacturing technology enables us to provide consistent high quality, clutch after clutch.

**Eaton designs and manufactures a complete range of clutches to meet your performance and value needs. Whether it is an original equipment clutch in a new truck or a genuine Eaton aftermarket clutch, each is backed by Roadranger support.**



108925-82AM

# Eaton Heavy-Duty Clutch Selector

1 Self-adjusting clutches are recommended for trucks with hydraulic linkage to reduce the risk of drivetrain damage.

	Splines Dia. – No. of Splines	Flywheel Bore Opening	No. of Springs / Damper Type	Clutch Torque lb-ft (must equal or exceed engine torque)	Facing	Best		Better		Good		
						Original Equipment Specifications (Pre-damper suffix in parentheses)	Aftermarket Specifications	Remanufactured				
						Advantage® Self-Adjust	Easy Pedal Advantage® Manual Adjust	EverTough® Self-Adjust	EverTough Manual Adjust	Solo® Self-Adjust	Easy Pedal® Manual Adjust	
15.5 inch	2" – 10	7"	8	1400	4				108391-81AM		108391-81MO	
					Organic					108391-82MO		
		10"	10	9 (Mack and Volvo 11L & 13L)	1650	4				108391-74AM	109700-74MO	108391-74MO
						4	309701-51	308925-51	109701-51AM	108935-51AM	109700-61MO	108935-61MO
						4	309701-68	308925-68				
						6	309701-91	308925-91		108935-91AM		108935-91MO
	6							109701-92AM				
	6					309701-98	308925-98					
	7 / VCT Plus <sup>c</sup>	7	7 / VCT Plus <sup>c</sup>	1700	4	309701-82	308925-82	109701-82AM	108925-82AM	109700-82MO	108935-82MO	
					4	309701-24 (-34)	308925-24 (-34)					
					4	309701-23	308925-23					
					6	309701-20 (-30)	308925-20 (-30)					
					6			109701-20AM	108925-20AM	109700-20MO	108935-20MO	
					6	2050	309701-25 (-35)	308925-25 (-35)	109701-25AM	108925-25AM	109700-25MO	108935-25MO
2" – 14	10"	7 / VCT Plus	2250	6	309708-32 (-42)	308937-32 (-42)						
14 inch	1.75" – 10	7"	8	1400	4		108063-59					
					6		108334-6					
	2" – 10	7"	8	1000	3		108034-61B				108034-61MO	
					Organic		108034-82B				108034-82MO	
					4		108050-59B		108050-59AM		108050-59MO	

- 2 Choose size of your cast two-plate heavy-duty clutch.
- 3 Determine flywheel bore opening and select number of springs.
- 4 Choose clutch torque. Rating in chart must be equal to or exceed engine torque rating.
- 5 Narrow clutch choice based on options. All part numbers in row meet your specs.
- 6 Choose from new or remanufactured.



**Advantage Series 7-spring VCT Plus**  
Eaton's premium damper, high torque capability with best-in-class vibration control

**Advantage Series Pre-Dampers**  
effective at quieting neutral gear idle rattle (Pre-damper suffix in parentheses in the table above)

Estimated shipping weights: 15.5" = 150 lbs, 14" = 110 lbs

Please refer to the Roadranger Warranty Guide TCWY0900 for the latest warranty time and miles offering.

Endurant is a registered trademark of Eaton Cummins Automated Transmission Technologies. Detroit, DT12 and DD are registered trademarks of Detroit Diesel Corporation. Volvo is a registered trademark of Volvo Trademark Holding AB Corporation. Mack mDRIVE is a registered trademark of Volvo Truck Corporation.

- Advantage Series**
- Strap drive intermediate plate
  - Spring separator system
  - Original equipment specification
  - 3 year/unlimited mileage warranty
  - 50,000 mile lube interval
- EverTough**
- Aftermarket specification
  - 2 year/unlimited mileage warranty
  - 25,000 mile lube interval
- Remanufactured**
- Economy
  - 1 year/unlimited mileage warranty
  - Longer service life compared to rebuilt
  - Dual zerk

Clutch Torque lb-ft (must equal or exceed engine torque)	Eaton Heavy-Duty ECA Clutch for Automated Transmission Kit Part No.
1850	122002-35A (w/ Low Capacity Inertia Brake)
	122002-35EX (w/o Low Capacity Inertia Brake)
2250	122003-42A (w/ Low Capacity Inertia Brake)
<b>Eaton Heavy-Duty DM Clutch for Automated Transmission Kit Part No.</b>	
1750	121000-1

DM and ECA clutches are backed by a 12 month/unlimited mile warranty.

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# Eaton Medium-Duty Clutch Selector

Standard Stroke 500" to 560" Bearing Travel	Spline Dia. - No. of Splines	No. of Discs	Damper Type	Clutch Torque lb-ft (must equal or exceed engine torque)	Facing	New		Remanufactured	
						Solo®	Manual Adjustment	Solo	Manual Adjustment
	1.75" - 10	1	8 / Free Travel	620	3SB	109400-5	107683-5	109400-5MO	107683-5MO
			7 + 1	800	Organic				107237-16MO
	1.75" - 10	2**	7 + 1	860	3 Trap	109500-10	107237-10	109500-10MO	107237-10MO
			7 + 1	860	3SB	109500-22*	107237-22*	109500-22MO*	
	2.0" - 10	2**	7 + 1	860	3SB	109504-12	107342-12		
			7 + 1	1000	4SB	109504-24	107342-24	109504-24MO	
			7 + 1	1000	6SB	109504-3	107342-5		
			8	1050	4SB	109504-20	107342-20		
			8	1150	4SB	109504-26	107342-26		
Short Stroke .410" to .470" Bearing Travel	Spline Dia. - No. of Splines	No. of Discs	Damper Type	Clutch Torque lb-ft (must equal or exceed engine torque)	Facing	Solo	Manual Adjustment	Solo	Manual Adjustment
	1.75" - 10	1	8 / Free Travel	620	3SB	109404-5	N/A	109404-5MO	N/A
			7 + 1	860	3 Trap	109503-10		109503-10MO	
Diaphragm Spring	Spline Dia. - No. of Splines	No. of Discs	Damper Type	Clutch Torque lb-ft (must equal or exceed engine torque)	Facing	Adjustment Free	Manual Adjustment	Solo	Manual Adjustment
	1.75" - 10	1	8	660	Organic	104104-2	N/A	N/A	N/A
		1	8	660	3SB	104100-2			
		2**	7+1	860	3SB	104200-1			

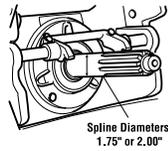
Please refer to the Roadranger Warranty Guide TCWY0900 for the latest warranty time and miles offering.

**\* Severe Service:**  
A combination of higher plate load, super buttons, or an additional number of facings. United States and Canada only.

**\*\*Two Plate Clutches:** Fits in place of single plate (pull type), however, this increases inertia to the transmission and may affect shiftability and longevity.

1 Choose linkage stroke and clutch type.

2 Choose spline diameter size and number of discs.



3 Choose damper type.

4 Choose clutch torque. Rating in chart must be equal to or exceed engine torque rating.



3 Super Button (3 SB)



4 Super Button (4 SB)



3 Trap



6 Super Button (6SB)

5 Narrow clutch choice based on options. All part numbers in row meet your specs.

6 Choose from new or remanufactured.

- New**
- Longer service life
  - Less downtime
- Remanufactured**
- Economy
  - Longer service life compared to rebuilt

7+1 Damper – designed to quiet idle rattle

Clutch Torque lb-ft (must equal or exceed engine torque)	Eaton Medium-Duty DM Clutch for Automated Transmission Kit Part No.
700	121500-EX

\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.

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**2-Speed EV Transmission**

**4-Speed EV Transmission**

**5- & 6-Speed Synchronized Light-Duty Manual Transmissions**

**5-Speed Synchronized Light-Duty Manual Transmission**

**6-Speed Ev Transmission**

**6-Speed Synchronized Manual Transmissions**

**8LL Manual Transmission**

**9ALL Manual Transmission**

**Authorized Rebuilt Transmission**

**Clutch Installation Kits**

**Convertible 9 To 13 Manual Transmission**

**Eaton Cummins Automated Transmission Technologies**

**Flex Reman Transmission**

**FR Series Manual Transmission**

**Fuller 5- And 6-Speed Medium-Duty Manual Transmissions**

**Fuller Advantage Series Manual Transmission**

**Fuller At-1202 Auxiliary Transmission**

**Heavy Duty EV Transmission**

**Intelliconnect Remote Diagnostics**

**Rebuilder Bulk Packs**

**RT-13 Manual Transmission**

**RT-18 Manual Transmission**

**Standard Remanufactured Transmission**

**Transmission Rebuild And Overhaul Kits**

**Transmission Subassemblies**



**K2262**



**14317**

PART No	DESCRIPTION
<b>A5160</b>	Assy Yoke
<b>K3340</b>	Basic Rebuild Kit
<b>4304080</b>	Bearing
<b>4301851BOX</b>	Bearing Roller
<b>4302074BOX</b>	Bearing Roller Tapered
<b>5556503BOX</b>	Bearing Roller Tapered
<b>4301844</b>	Bearing Sleeve
<b>12815</b>	Bushing
<b>21352</b>	Bushing
<b>4306648BULK144</b>	Clutch Sliding Bulk
<b>K3220</b>	Countershaft Kit
<b>K2947</b>	Countershaft Repl
<b>K2170</b>	Filter Reg Kit
<b>K4148</b>	Fuller Parts - Sensor 4302691 Replaces K3454
<b>14335</b>	Gasket
<b>4302394</b>	Gear
<b>4302484</b>	Gear
<b>4305904</b>	Gear - Main Drive
<b>K2061</b>	Kit Gasket
<b>K3288</b>	Kit Gasket
<b>K3376</b>	Kit, O - Ring Washer
<b>A6909</b>	Master Control Valve
<b>A6915</b>	Master Control Valve
<b>K1447</b>	O-Ring Kit
<b>K2054</b>	O-Ring Kit
<b>K3341</b>	O-Ring Kit
<b>21652</b>	Pin
<b>4306894</b>	Retainer Brg Replacement For 4301843
<b>K2262</b>	Seal - Rear Bearing Cover Main Shaft
<b>K2918</b>	Seal - Rear Bearing Cover Main Shaft
<b>4303124</b>	Spacer
<b>4303673</b>	Spacer, Transmission
<b>14897BULK420</b>	Spring Bulk
<b>K3491</b>	Synchronizer Kit
<b>K3492</b>	Synchronizer Kit
<b>14317</b>	Transmission Components
<b>19974</b>	Transmission Components

\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.

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PART No	DESCRIPTION
<b>20461</b>	Transmission Components
<b>A4740</b>	Transmission Components
<b>K2199</b>	Transmission Components
<b>K3331</b>	Transmission Components
<b>K3367</b>	Transmission Components
<b>K2110</b>	Transmission Gasket Set RT613/6613
<b>A8030</b>	Transmission Retainer Assembly
<b>A6918</b>	Valve Assy Master Shift
<b>A5000</b>	Valve Assy Range Slav
<b>4301842</b>	Washer
<b>4303603</b>	Washer



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# **WHEEL END COMPONENTS**

## WHEEL OIL SEALS

SAP No	STYLE	APPLICATION	SHAFT SIZE (in.)	HOUSING BORE (in.)	OUTER DIA. (in.)	WIDTH (in.)	PHOTO
<b>NATIONAL STYLE WHEEL OIL SEALS</b>							
<b>SAP370001A</b>	Rubber	12000 / Front Axle - Eaton, Ford, Freightliner, Kenworth, Meritor, Navistar, Peterbilt, Volvo GM, Western Star	3.500	4.842	4.848	0.925	1
<b>SAP370003A</b>	Rubber	38000, 46000 / Tandem Axle, Eaton, Ford, Freightliner, Kenworth, Meritor, Navistar, Peterbilt, Volvo GM, Western Star	4.770	6.311	6.318	1.078	2
<b>SAP370005A</b>	Red	38000 / Drive Axle - Eaton, GMC, Mack, Meritor	4.770	6.251	6.265	0.605	3
<b>SAP370006A</b> <sup>SO</sup>	Red	38000 / Drive Axle - Eaton, Meritor, White	4.770	6.999	7.006	1.250	4
<b>SAP370019A</b>	Red	38000, 40000, 42000 / Tandem Drive Axle, Eaton, Ford, GMC, Navistar, White	4.380	6.251	6.256	0.605	5
<b>SAP370021A</b> <sup>SO</sup>	Rubber	19000 / Drive Axle - Eaton, Ford, GMC, Navistar, White	4.500	6.251	6.265	0.610	6
<b>SAP370022A</b>	Rubber	34000, 38000 / Drive Axle - Mack	4.500	5.750	5.756	0.960	7
<b>SAP370023A</b>	Rubber	34000 / Drive Axle - Eaton, Ford, Navistar, White	3.880	5.690	5.706	0.875	8
<b>SAP370025A</b>	Rubber	22500 / Trailer Axle - Eaton, Dana, Meritor, Standard Forge	4.630	5.999	6.008	0.840	9
<b>SAP370031A</b>	Rubber	44000 / Drive Axle - Mack	4.250	6.250	6.256	1.188	10
<b>SAP370033A</b>	Red	12000 / Front Axle - Mack, Navistar, FA309, FA329	3.880	5.126	5.132	0.605	11
<b>SAP370036A</b>	Rubber	19000 / Trailer Axle - Eaton, Dana, Meritor, Standard Forge	4.000	5.757	5.772	0.930	12
<b>SAP370048A</b>	Red	16000 / Fron Axle - Ford, Freightliner, Kenworth, Mack, Meritor, Navistar, Peterbilt, Volvo GM, Western Star, White	4.380	5.905	5.911	1.000	13
<b>SAP370065A</b>	Rubber	Pro-Par / Trailer Axle - Dana, Eaton, Fruehauf, Meritor TP	4.250	6.008	6.022	1.000	14
<b>SAP370069A</b>	Red	50000, 60000 / Drive Axle - Mack	5.250	7.375	7.386	1.000	15
<b>SAP376590A</b>	Rubber	Pro-Par / Trailer Axle - Dana, Eaton, Fruehauf, Meritor TP	4.250	6.048	6.048	0.680	16

## SKF STYLE WHEEL OIL SEALS

<b>SAP35058</b>	Rubber	12000 / Front Axle - Eaton, Ford, Freightliner, Kenworth, Meritor, Navistar, Peterbilt, Volvo Gm, Western Star	3.500	4.840	4.854	0.932	17
<b>SAP35066</b> <sup>NEW</sup>	Green	12000 / Front Axle - Eaton, Ford, Freightliner, Kenworth, Meritor, Navistar, Peterbilt, Volvo GM, Western Star	3.500	4.842	4.847	0.904	18
<b>SAP38780</b> <sup>NEW</sup>	Green	34000 Drive Axle / Eaton, Ford, Navistar, White	3.875	5.691	5.696	0.938"	19
<b>SAP42623</b> <sup>NEW</sup>	Green	Pro-Par Trailer Axle Fruehauf, Eaton P-22, Meritor TP, Dana	4.250	6.009	6.014	0.984	20
<b>SAP42627</b> <sup>NEW</sup>	Rubber	Pro-Par / Trailer Axle, Fruehauf, Eaton P-22, Meritor TP, Dana	4.250	6.008	6.014	1.000	21
<b>SAP46300</b>	Rubber	22500 / Trailer Axle - Eaton, Dana, Meritor, Standard Forge	4.630	5.999	6.008	0.840	22
<b>SAP46305</b>	Green	22500 / Trailer Axle - Eaton, Dana, Meritor, Standard Forge	4.630	5.999	6.008	0.840	23
<b>SAP47691</b> (Superseded SAP47692)	Rubber	38000, 46000 / Tandem Axle, Eaton, Ford, Freightliner, Kenworth, Meritor, Navistar, Peterbilt, Volvo Gm, Western Star	4.767	6.311	6.324	1.270	24
<b>SAP47697</b>	Green	38000, 46000 / Tandem Axle, Eaton, Ford, Freightliner, Kenworth, Meritor, Navistar, Peterbilt, Volvo GM, Western Star	4.770	6.311	6.318	1.078	25
<b>SAP5645</b> <sup>SO</sup>	Vito	Mack, 84-81 To L4 2366Cc 2.4L / 84-81 To L/D L4 2366Cc 2.4L	6.000		6.757	0.675	26

<sup>SO</sup>: Special Order Item. Please contact your sales representative for more information of how to order this item.

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 1	 2	 3	 4	 5
 6	 7	 8	 9	 10
 11	 12	 13	 14	 15
 16	 17	 18	 19	 20
 21	 22	 23	 24	 25
 26				

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## LEATHER WHEEL OIL SEALS



SAP No	DESCRIPTION
<b>530P00063</b>	Leather Drive Axle Seal w/Lay Down Leather Lip - Severe Service
<b>530P00061</b>	Leather Drive Axle Seal w/Lay Down Leather Lip - Shaft Dia. 3.875", O.D. 5.250", Width 1.046" - Severe Service
<b>530P00065</b>	Leather Drive Axle Seal w/Lay Down Leather Lip - Shaft Dia. 4.250", O.D. 6.250", Width 0.665" - Severe Service
<b>530P00066</b>	Leather Drive Axle Seal w/Lay Down Leather Lip - Shaft Dia. 4.625", O.D. 6.000", Width 0.860" - Severe Service
<b>530P00052</b>	Leather Drive Axle Seal w/Lay Down Leather Lip - Shaft Dia. 4.767", O.D. 6.312", Width 1.180" - Severe Service
<b>530P00057</b>	Leather Front Front Axel Seal - w/Lay Down Leather Lip - Shaft Dia. 3.500", O.D. 4.843", Width 0.900" - Severe Service
<b>530P00064</b>	Leather Trailer Axle Seal w/Lay Down Leather Lip - Shaft Dia. 4.000", O.D. 5.750", Width 0.900" - Severe Service
<b>530P00062</b>	Leather Trailer Axle Seal w/Lay Down Leather Lip - Shaft Dia. 4.250", O.D. 6.008", Width 0.915" - Severe Service
<b>530P00054</b>	Leather Trailer Axle Seal w/Lay Down Leather Lip - Shaft Dia. 4.625", O.D. 6.000", Width 0.860" - Severe Service

## UNITIZED WHEEL OIL SEALS



SAP No	DESCRIPTION
<b>530P00056</b>	Unitized Drive Axel Seal - Bore Dia. 6.312", Shaft Dia. 4.767", Width 1.175"
<b>530P00060</b>	Unitized Front Axel Seal - Bore Dia. 4.843", Shaft Dia. 3.500", Width 0.975"
<b>530P00059</b>	Unitized Trailer Axle Seal - Shaft Dia. 4.250", O.D. 6.014", Width 1.000"
<b>530P00058</b>	Unitized Trailer Axle Seal - Shaft Dia. 4.625", O.D. 6.000", Width 0.859"

\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.

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## HUBCAPS

	SAP No	BOLT CIRCLE (in.)	BOLT SIZE (in.)	OVERALL DEPTH (in.)	INSIDE DEPTH (in.)	FLANGE INNER DIA. (in.)	FLANGE OUTER DIA. (in.)	REPLACES SKF No	REPLACES STEMCO No
	SAP-HC114009	5.5	5/16	2 11/16	1 15/16	4 3/8	6 1/4	1643	340-4009
	SAP-HC114013 <b>NEW</b>	5.5	5/16	2 11/16	1 15/16	4 3/8	6 1/4	1362 1462 1742	343-4013
	SAP-HC114024	4.5	5/16	2 5/8	1 7/8	3 1/2	5 1/4	1612	340-4024
	SAP-HC114025 <b>NEW</b>	5 7/8	5/16	1 3/8	5/8	4 1/4	6 1/2	1569 1669 1702 1769	343-4025
	SAP-HC114195	6.75	5/16	3 11/16	2 15/16	5 7/16	7 1/2	1696	340-4195
	SAP-HC114249	5.5	5/16	1 13/16	1 11/16	4 7/16	6 3/16	1703	340-4249
	SAP-HC115097 <b>NEW</b>	5.5	5/16	2 1/2	2 13/32	4 3/8	6 1/4	C40-5097BP	340-5097
	SAP-HC124075 <b>NEW</b>	6 1/4 x 8		2 5/16	1 9/16	5 3/4	6 7/8	1282 1382 1682	343-4075
	SAP-HC124975	Threaded		2 5/16	1 9/16	5 3/4	6 7/8	1282	340-4975

\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.

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## WHEEL END COMPONENTS

SAP No	DESCRIPTION
<b>SAP-HCP114009</b>	Hubcap Plug w/Venting "X Shape" System for Centralized Pressure Relief for SAP-HC114009 - Protect venting mechanism from oil spitting caused by fast fill, overfill or other normal vehicle operation
<b>SAP-HCP114249</b>	Hubcap Plug for SAP-HC114249
<b>SAP-HCG114009</b>	Hubcap Gasket for SAP-HC114009
<b>SAP-HCG114024</b>	Hubcap Gasket for SAP-HC114024
<b>SAP-HCG114195</b>	Hubcap Gasket for SAP-HC114195
<b>SAP-HCG114249</b>	Hubcap Gasket for SAP-HC114249
<b>530P00053</b>	Hubometer 294 RPKM Low Profile Series (Kilometers)
<b>530P00055</b>	Analog Hubometer 312RPKM Low Profile Series (Kilometers)



## DIFFERENTIAL (PINION) SEALS

SAP No	APPLICATION	YOKE (O.D. SHAFT in.)	CAGE I.D. (BORE in.)	WIDTH (in.)	REPLACES SKF No
<b>SAP100494</b>	Front Input	3.253	4.249	0.570	32500
<b>SAP100495</b>	Front Input	3.003	3.751	0.460	30008
<b>SAP100557</b>	Rear Input	3.252	5.500	0.570	32503
<b>SAP127591</b>	Rear Input	3.000	4.562	1.000	29528
<b>SAP127592</b>	Front Output	2.625	3.620	1.063	26762



\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.  
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## WHEEL BEARING SETS



PART NO	WHEEL BEARING CONE & CUP NUMBER	APPLICATION	REPLACES	INTERCHANGES
<b>SET123SAP</b>	3780 Cone / 3720 Cup	Front Axle Navistar, Differential Eaton - Gearbox Mack	SET123	
<b>SET401SAP</b>	580 Cone / 572 Cup	R Drive Axle (Outer)	SET401	ABP SBN SET401, FLTSET401, BWSET401, ASET580-72, HYTSET401
<b>SET403SAP</b>	594A Cone / 592A Cup	R Drive Axle (Inner)	SET403	ABP SBN SET403, BWSET103, ASET594A92A, TDASET403
<b>SET406SAP</b>	3782 Cone / 3720 Cup	FF Steer Axle (Outer)	SET406	ABP SBN SET406, FLTSET406, BWSET406, 4494SET406, 3782 3720, TDASET406
<b>SET407SAP</b>	28682 Cone / 28622 Cup	Rear Axle (Inner) & Front Steer Axle (Outer)	SET407	
<b>SET408SAP</b>	39590 Cone / 39520 Cup	L Drive Axle (Outer)	SET408	SBN SET408TRB, 39590-39520, ETMSET408
<b>SET409SAP</b>	45220 Cone / 45280 Cup	Front Steer Axle (Outer) - Mack	SET409	MERSET409, 45280 45220
<b>SET411SAP</b>	47686 Cone / 47620 Cup	L Drive Axle (Inner)	SET411	ABP SBN SET411, TMSET411, BWSET411, SET47686-20, TDASET411
<b>SET413SAP</b>	HM212049 Cone / HM212011 Cup	FF Steer Axle (Inner) & N Trailer Axle (Outer)	SET413	ABP SBN SET413, FLTSET413, ASET049-011, TDASET413
<b>SET414SAP</b>	HM218248 Cone / HM218210 Cup	N Trailer Axle (Inner)	SET414	ABP SBN SET414, FLTSET414, 8236SET414, BWSET414, TDASET414
<b>SET415SAP</b>	HM518445 Cone / HM518410 Cup	P Trailer Axle (Inner & Outer)	SET415	ABP SBN HM218248, BWSET415, TRBSET415, FLTSET415
<b>SET422SAP</b>	HM516449 Cone / HM516410 Cup		SET422	ASET6461A-20, BWSET422
<b>SET424SAP</b>	552A Cone / 555S Cup	FL Steer Axle (Outer)	SET424	ABP SBN SET424, BWSET424, 8236SET424, ASET555S52A, TDASET424
<b>SET426SAP</b>	47620 Cone / 47679 Cup	Rear Axle (Outer) - Mack	SET426	ABP SBN SET426, 8236SET426, SBN SET426TRB, NTNSET426

\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.

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## METRIC WHEEL BEARING SETS



**For European & Asian Applications**

Part No	Cone & Cup No	Dimensions & Applications	Interchanges
<b>SET28985/28920SAP</b>	28985/28920	60.3x 10.61x25.4 mm. / Differential for M/Benz Trucks	001 981 6005
<b>SET29585/29522SAP</b>	29585/29522	63.5x107.95x25.4mm. / M/Benz Trucks	
<b>30310SAP</b>	30310	50x110x29.25 mm. / Rear Differential Pinion for Hino Trucks	26800380, 37086, 04 200 0013 00
<b>30313SAP</b>	30313	65x140x36 mm. / M/Benz Trucks G04/160-6/8,2 & SAF Trailers Axle	000720 030313, 009 981 8305, 736128, 02 6402 65 00, SET 1033, 04 200 0016 00
<b>32206SAP</b>	32206	30x62x21.25 mm. / FWD Axle for Isuzu NHR	1400078, 1905272, 26800120, 33487, 37014, 06 32499 0066, 06 32499 0080, 000720 032206, 001 981 6105, 7703090085
<b>32207SAP</b>	32207	35x72x24.25 mm. / FWD Axle for Isuzu NPR NKR	26800130, 06 32499 0068, 319 981 0005, 5000388284, 202635
<b>32208SAP</b>	32208	40x80x24.75 mm. / FWD Axle for Isuzu NHR	26800140, JD37047, 06 32489 0080, 301196, 5516014042, 81 93420 0055, VKHB 2020
<b>32209SAP</b>	32209	45x85x24.75 mm. / Rear Axle for Isuzu NHR	32209X, 32209J, HR32209XJ, ET32209X, 32209C, 4T-32209
<b>32210SAP</b>	32210	50x90x24.75 mm. / FWD Axle Iveco Inboard Rear Axel M/Benz HL • Differential M/Benz HL	8981712540, SET1059, 25033A, 1442008X1, 000 981 3605, 86570632, 0750 117 418
<b>32213SAP</b>	32213	65x120x32.75 mm. / Rear Axle Man Outboard, SAF Inboard Differential Freightliner ART34-40-44, Iveco OM 300 • Renault Trucks	26800190, 37196, A0099819801, 5000682113, 04 200 0023 00, 0635 373 018 SET1062
<b>32215SAP</b>	32215	75x130x33.25 mm. / Rear Axle Mazda Turbo T-45 DA & Scania F AD80, Iveco Outboard, Man H7,H9, M/Benz HO • Differential Man HPD-1382, M/Benz HD 7	1103771, JD37116, 000 981 7405, 26800180, 14102, 06 32490 1400
<b>32216SAP</b>	32216	80x140x35.25 mm / Rear Axle M/Benz HO DAF & Scania AD80 • FWD Axle DAF XF 105 Differential Iveco Buses, M/Benz HD	000 981 7205, 26800220, 14103, 9832270
<b>32217SAP</b>	32217	85x150x38.5 mm. / Rear Axle for Hino KB	32217X, 32217J, HR32217XJ, ET32217X, 32217C, 4T-32217
<b>32218SAP</b>	32218	90x160x42.5 mm. / Rear Axle DAF AD90, Iveco Inboard Scania AD90, VW 17-180,220 24-220 6x2	1905353, 720032218, 99041057, 04 200 0027 00, 14835, 0635 373 010
<b>32219SAP</b>	32219	95x170x45.5 mm. / Trailer Axle for BPW 13T-14T, SAF Rear Axle for M/Benz 1110 HD, HL, HO, L, NL, NR, VL, ZF Iveco Outboard	02 6405 95 00, 1905350, 7178987, 06 32490 1800, 000 981 2105, 04 200 0026 00, 181086
<b>32307SAP</b>	32307	35x80x32.75 mm. / For Iveco Trucks	32307J2, 32307J, HR32307J, 4T-32307
<b>32310SAP</b>	32310	50x110x42.25 mm. / FWD Axle Hino KB	HR32310J, 32310JRY, 4T-32310, 32310J
<b>32313SAP</b>	32313	65x140x51 mm. / FWD Axle Hino KB • Differential Man H7, H9, HD7, HD9 - M/Benz AL 7	06 32499 0019, 000 981 4118, 003 981 6905, 0959532313
<b>SET357SAP</b>	28584/28521	52.39x92.08x24.61 mm. / Differential International/Navistar RA15	9000930820, 9036852043, SET357

\*S0: Special Order Item. Please contact your sales representative for more information of how to order this item.

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## WHEEL HUB

	<p><b>SAP2023WHKIT</b> <b>NEW</b></p>	<p>Wheel Hub / 10 Studs - For American Trailer Applications - 10 Bolts &amp; Nuts Included Use with SET414SAP (HM218248 Cone / HM218210 Cup)</p> <p>Bolt Circle Dia: <math>\varnothing 285.75</math> mm / 11.25 in          Bolt Holes &amp; Size: 10 Holes - 25 mm / 0.984 in          External Bearing Dia: <math>\varnothing 122.3</math> mm / 4.81 in          Internal Bearing Dia: <math>\varnothing 147</math> mm / 5.787 in          Overall Depth: 183.5 mm / 7.224 in          Pilot Dia: 223 mm / 8.779 in</p>
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**Condition monitoring systems**

**Power transmission solutions**

**Test and measuring equipment**

**Vehicle Aftermarket**


**47697**

**SET406P**

**35066**

PART No	DESCRIPTION
<b>6209-2RS1TN9/GJN</b>	Ball Bearing
<b>37520</b>	CR Oil & Grease Seals - O.D. 4.726"
<b>30008</b>	Differential Pinion Seal - 3.002" - Heavy Duty Truck Applications, With 14X/16X Axles
<b>30140</b>	Differential Pinion Seal - 5.756"
<b>30153</b>	Differential Pinion Seal for Chevrolet 1993-1986, Ford 1999-1987, GMC 1993-1986
<b>29528</b>	Differential Pinion Seal for Dodge 2010-2008, Ford 2014-1990, Ram 2016-2011
<b>38647</b>	Double Lip Oil Seal - O.D. 4.751"
<b>34889</b>	Manual Transmission Radial Shaft Seal - Front
<b>47250</b>	Oil Seal
<b>212-ZNBR</b>	Radial Bearing
<b>48000</b>	Scotseal Classic Wheel Oil Seal - 6.259"
<b>52658</b>	Scotseal Classic Wheel Oil Seal - 7.381"
<b>28758</b>	Scotseal Classic Wheel Oil Seal O.D. 3.875" - Front
<b>35066</b>	Scotseal Classic Wheel Oil Seal O.D. 4.840" - Front
<b>38780</b>	Scotseal Classic Wheel Oil Seal O.D. 5.690" - Drive
<b>45099</b>	Scotseal Classic Wheel Oil Seal O.D. 5.750" - Drive
<b>40136</b>	Scotseal Classic Wheel Oil Seal O.D. 5.759"
<b>43764</b>	Scotseal Classic Wheel Oil Seal O.D. 5.905" - Front
<b>46305</b>	Scotseal Classic Wheel Oil Seal O.D. 6.000" - Trailer
<b>42672</b>	Scotseal Classic Wheel Oil Seal O.D. 6.254" - Drive
<b>47697</b>	Scotseal Classic Wheel Oil Seal O.D. 6.310" - Drive
<b>43875</b>	Scotseal Classic Wheel Oil Seal O.D. 6.316"
<b>42623</b>	Scotseal Classic Wheel Seal Oil O.D. 6.009" - Trailer
<b>47693</b>	Scotseal Longlife Wheel Oil Seal - 6.316"
<b>35103</b>	Scotseal Longlife Wheel Oil Seal - O.D. 4.847"
<b>38776</b>	Scotseal Plus XL Wheel Oil Seal - 5.704"
<b>43761</b>	Scotseal Plus XL Wheel Oil Seal O.D. 4.375" - Front
<b>35058</b>	Scotseal Plus XL Wheel Oil Seal O.D. 4.840" - Front
<b>46300</b>	Scotseal Plus XL Wheel Oil Seal O.D. 6.000" - Trailer
<b>42627</b>	Scotseal Plus XL Wheel Oil Seal O.D. 6.009" - Trailer
<b>47691</b>	Scotseal Plus XL Wheel Oil Seal O.D. 6.324" - Drive
<b>1613</b>	Scotseal® TF1 Hubcap - 6 Holes - Steer
<b>1608</b>	Scotseal® TF6 Hubcap - 4 Holes - Steer
<b>1612</b>	Scotseal® TF6 Hubcap - 6 Holes - Steer
<b>1643</b>	Scotseal® TF6 Hubcap - 6 Holes - Trailer
<b>SET407P</b>	Wheel Bearing Cup & Cone Set - 28682 Cone / 28622 Cup
<b>SET123P</b>	Wheel Bearing Cup & Cone Set - 3780 Cone / 3720 Cup

\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.

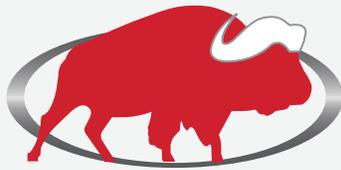
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PART No	DESCRIPTION
<b>SET406P</b>	Wheel Bearing Cup & Cone Set - 3782 Cone / 3720 Cup
<b>SET408P</b>	Wheel Bearing Cup & Cone Set - 39590 Cone / 39520 Cup
<b>SET409P</b>	Wheel Bearing Cup & Cone Set - 45220 Cone / 45280 Cup
<b>SET426P</b>	Wheel Bearing Cup & Cone Set - 47620 Cone / 47679 Cup
<b>SET411P</b>	Wheel Bearing Cup & Cone Set - 47686 Cone / 47620 Cup
<b>SET424P</b>	Wheel Bearing Cup & Cone Set - 552A Cone / 555S Cup
<b>SET401P</b>	Wheel Bearing Cup & Cone Set - 580 Cone / 572 Cup
<b>SET402P</b>	Wheel Bearing Cup & Cone Set - 582 Cone / 572 Cup
<b>SET403P</b>	Wheel Bearing Cup & Cone Set - 594A Cone / 592A Cup
<b>SET423P</b>	Wheel Bearing Cup & Cone Set - 6461A Cone / 6420 Cup
<b>SET405P</b>	Wheel Bearing Cup & Cone Set - 663 Cone / 653 Cup
<b>SET413</b>	Wheel Bearing Cup & Cone Set - HM212049 Cone / HM212011 Cup
<b>SET414</b>	Wheel Bearing Cup & Cone Set - HM218248 Cone / HM218210 Cup
<b>SET422P</b>	Wheel Bearing Cup & Cone Set - HM516410 Cone / HM516449C Cup
<b>SET415</b>	Wheel Bearing Cup & Cone Set - HM518445 Cone / HM518410 Cup
<b>28745</b>	Wheel Grease Seal O.D. 3.875 - Front
<b>26373</b>	Wheel Oil Seal



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**buffalo**  
USA®

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# SUSPENSION & STEERING

## HYDRAULIC

GABRIEL No		BUFFALO No		
		<b>BF99010</b>		
Isuzu / Chevrolet NHR 2012 - 2021 / NKR 2012 - 2021				
Replaces Isuzu 8-98317-988-0, 8-98317-992-0, 8-98381-001-0				
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
FWD	21.45	12.57	8.77	



GABRIEL No		BUFFALO No		
		<b>BF99078</b>		
Isuzu FRR, FVR FWD				
Replaces Isuzu 1516305790, 8972536040				
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
FWD/Rear	25.19	15.18	10.01	1.625



GABRIEL No		BUFFALO No		
		<b>BF99570</b>		
Hino Dutro 300, 500 Isuzu NPR Reinforced				
Replaces Hino S4850-03570				
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
FWD	23.64	14.37	9.27	



GABRIEL No		BUFFALO No		
<b>83001</b>		<b>BF99101</b>		
Freightliner Century Class				
Replaces Monroe 66118				
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
Cabin	10.41	8.36	3	1.375



GABRIEL No		BUFFALO No		
<b>83009</b>		<b>BF99009</b>		
Freightliner Columbia, FLD 112 & 120 Conventional Truck & Tractor				
Replaces Monroe 66147				
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
Cabin	10.41	8.36	2.99	1.375



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## HYDRAULIC

GABRIEL No		BUFFALO No		
<b>83038</b>		<b>BF99038</b>		
Freightliner Cascadia, Columbia, Coronado, M2 - Business Class, Severe Duty Series - 108SD, 114SD & 122SD				
Replaces Monroe 66122				
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
Cabin	10.41	8.36	2.99	1.375



GABRIEL No		BUFFALO No		
<b>85000</b>		<b>BF99000</b>		
Benson, Cush Corporation, Great Dane Trailers, Hendrickson Trailers, Ridewell, SAF Holland, Stoughton Trailer, Thomas School Bus, Trailermobile Canada Corp, Utility Trailer Manufacturing Company & Wabash National				
Replaces Monroe 65419				
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
Rear	17.22	11.46	5.76	1.625


NEW

GABRIEL No		BUFFALO No		
<b>85001</b>		<b>BF99002</b>		
Ford Aeromax, Series B, F, FT, L, LT, LTS, LN & LNT Kenworth C500 ICON 900, K100, T2000, T300, T400, T600, T800 & W900 Mack CH, CL, MH, R & RW Peterbilt				
Replaces Monroe 65102				
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
Rear	26.27	16.36	9.91	1.625



GABRIEL No		BUFFALO No		
<b>85061</b>		<b>BF99061</b>		
Mack CHN, CX, CXN, CXP & CXU Volvo VNL & VT				
Replaces Monroe 65494				
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
FWD	24.75	15.22	9.53	1.625


NEW

GABRIEL No		BUFFALO No		
<b>85067</b>		<b>BF99067</b>		
Kenworth C500, ICON 900, T2000, T440, T470, T600, T660, T680, T700, T800, T880 & W900 Peterbilt 365, 367, 378, 379, 382, 384, 385, 386, 387, 388, 389, 567, 579 & 587				
Replaces Monroe 65495				
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
Rear	30.54	18.15	12.39	1.625



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## HYDRAULIC

GABRIEL No		BUFFALO No		
<b>85307</b>		<b>BF99001</b>		
Bluebird School Bus, Chevrolet Truck, Clark Equipment, Continental Trailways, Diamond-Reo, Dina Bus, Flixbus, GMC Truck, International (Navistar), Oneida Products, Pierce Manufacturing Inc, Reyco Suspension, Ridewell Corporation, Spartan Motors, Thomas School Bus & Western Unit Suspension, Dynamax Corp				
Replaces Monroe 74001				
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
FWD	24.01	15.1	8.91	1.625



GABRIEL No		BUFFALO No		
<b>85311</b>		<b>BF99417</b>		
Kenworth Peterbilt 320, 330, 335, 337, 340, 348, 357, 359, 362, 365, 367, 372, 375, 376, 377, 378, 379, 382, 384, 385, 386, 387, 388, 389, 520, 567, 579 & 587				
Replaces Monroe 74417				
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
FWD	23.95	14.79	9.16	1.625



GABRIEL No		BUFFALO No		
<b>85320</b>		<b>BF99320</b>		
Freightliner FLA & FLB Series - COE Truck & Tractor, FLC & FLD Series - 112 & 120 Conventional Truck, Kenworth, Peterbilt				
Replaces Monroe 65118				
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
FWD	26.13	16.35	9.78	1.625



GABRIEL No		BUFFALO No		
<b>85705</b>		<b>BF99416</b> <span style="color:red">SO</span>		
Arvin Meritor & Neoplan Bus				
Replaces Monroe 74416				
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
Rear	23.65	14.24	9.41	1.625



GABRIEL No		BUFFALO No		
<b>85711</b>		<b>BF99402</b>		
Arvin Meritor, GMC Truck, Motor Coach Industries & Transportation MFG Corp				
Replaces Monroe 74402				
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
FWD	24.57	15.29	9.28	1.625



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## HYDRAULIC

GABRIEL No		BUFFALO No		
<b>85724</b>		<b>BF99425</b>		
Freightliner Argosy, Cargo, Cascadia, Century Class, Classic/XL, Columbia, Condor, Coronado, FL50, 60, 70, 80, FLA, FLB, FLC, FLD, Legacy & M2 Sterling Truck A - Line 9500 / Acterra L - Line 8500, 9500 Thomas School Bus Western Star				
Replaces Monroe 74425		<b>GAS Applications No BF78490 / Replaces Gabriel 89443</b>		
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
Rear	22.78	14.5	8.28	1.625



GABRIEL No		BUFFALO No		
<b>85736</b>		<b>BF99471</b>		
ACF Brill Bus, Flexible Bus, Prevost & Thomas School Bus				
Replaces Monroe 74471				
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
FWD	23.62	15.21	8.41	1.625



GABRIEL No		BUFFALO No		
<b>85900</b>		<b>BF99900</b>		
Freightliner Custom Chassis / Itasca Class A MotorHomes / Kenworth C500, C500B, C500K, C540, C550, K100, K100E, K125, K300, T300, T400, T400B, T450B, T600, T600A, T600B, T602, T800, T800B, T800B(8x4), T800SH, T800H, T800W, W900, W900B, W900L, W900S / Peterbilt				
Replaces Monroe 65436				
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
FWD	17.33	11.23	6.11	1.625



GABRIEL No		BUFFALO No		
<b>85901</b>		<b>BF99901</b>		
Freightliner Century Class Kenworth & Peterbilt				
Replaces Monroe 65435				
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
FWD	29.05	17.64	11.41	1.625



GABRIEL No		BUFFALO No		
<b>85918</b>		<b>BF99918</b>		
Freightliner Argosy, Cargo, Cascadia, Century Class, Classic, Columbia, Condor, Coronado, FL, FLA, FLC, FLD, Legacy M2 & Severe Duty Series Sterling A, Acterra L 8500, L 9500 Thomas School Bus Western Star 4700				
Replaces Monroe 65139				
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
FWD	22.96	14.55	8.41	1.625



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## HYDRAULIC

GABRIEL No		BUFFALO No		
<b>85924</b>		<b>BF99924</b>		
International (Navistar) Series 9200, 9300, 9400 & 9900				
Replaces Monroe 66426		<b>GAS Applications No BF78147 / Replaces Gabriel 89457</b>		
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
FWD	20.41	12.96	7.46	1.625



GABRIEL No		BUFFALO No		
<b>85931</b>		<b>BF99931</b>		
International (Navistar) LoneStar, ProStar - Series, Series 9200, 9200i - Tractor & Straight Truck Series 9300, 9300i, 9400, 9400i, 9900, 9900i, 9900ix Long Hood Conventional, TerraStar				
Replaces Monroe 65492				
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
Rear	22.48	14.5	7.98	1.625


NEW

GABRIEL No		BUFFALO No		
<b>85932</b>		<b>BF99932</b>		
Freightliner Cascadia, Century Class, Classic / XL, Columbia, Coronado, FLC & FLD Series - 112 & 120 Conventional Truck / Hendrickson Truck Suspension Systems Airtek - Series / Western Star 4800, 4900, 5900, 6900 Series				
Replaces Monroe 65530				
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
FWD	21.26	13.7	7.56	1.625


NEW

GABRIEL No		BUFFALO No		
		<b>BF99010</b>		
Isuzu / Chevrolet NHR 2012 - 2021 / NKR 2012-2021				
Replaces Isuzu 8-98381-001-0				
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
FWD	21.45	12.57	8.77	


NEW

GABRIEL No		BUFFALO No		
		<b>BF99012</b>		
Hino Trucks				
Replaces Hino 48531-37012				
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
Rear	19.37	12.04	7.32	


NEW

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## HYDRAULIC

GABRIEL No		BUFFALO No		
		<b>BF99390</b>		
Hino Trucks				
Replaces Hino 48511-37390				
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
FWD	20.90	12.79	8.11	



**NEW**

GABRIEL No		BUFFALO No		
		<b>BF99550</b>		
Isuzu / Chevrolet FVR FTR FVZ 2012- 2021				
Replaces Isuzu 1876101550				
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
FWD	26.37	16.22	10.15	



GABRIEL No		BUFFALO No		
		<b>BF99730</b>		
Isuzu / Chevrolet FRR NQR 2012-2021				
Replaces Isuzu 8-98389-973-0				
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
FWD	24.96	14.60	10.35	



GABRIEL No		BUFFALO No		
		<b>BF99800</b>		
Isuzu / Chevrolet NHR 2012-2021				
Replaces Isuzu 8-98018-780-0				
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
Rear	20.90	12.71	8.18	



## GAS

GABRIEL No		BUFFALO No		
<b>83019</b>		<b>BF78117</b>		
Mack R, RD400 & 600				
Replaces Monroe 66117				
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
Cabin	9.42	8.16	2.28	1.375



GABRIEL No		BUFFALO No		
<b>89459</b>		<b>BF78159</b>		
Kenworth T2000, T440, T470, T600, T660, T700, T800, W900 Peterbilt				
Replaces Monroe 65159				
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
FWD	25.6	15.82	9.78	1.625



GABRIEL No		BUFFALO No		
<b>83025</b>		<b>BF78162</b>		
Ford 8500, 9500 & L-Series / Freightliner FL112, FLC, & FLD GMC C4500 & C5500 International 4000, 5000, 7000 & 9000 Kenworth C500, T400, T450, T600, T800 & W900 Peterbilt & Sterling				
Replaces Monroe 66162				
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
Cabin	7.98	6.49	1.49	1.375



GABRIEL No		BUFFALO No		
<b>83041</b>		<b>BF78189</b>		
Mack CH, CL				
Replaces Monroe 66189				
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
Cabin	10.51	8.34	3.02	1.375



GABRIEL No		BUFFALO No		
<b>83054</b>		<b>BF78161</b>		
International 4000, 4300, 4400, 7000, 8000, HV & MV				
Replaces Monroe 66161				
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
Cabin	10.28	7.56	2.72	1.375



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## GAS

GABRIEL No		BUFFALO No		
<b>85031</b>		<b>BF78128</b>		
Kenworth K300,T170, T270, T370 & T300				
Replaces Monroe 65128				
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
FWD	25.63	15.85	9.78	1.625



GABRIEL No		BUFFALO No		
<b>85957</b>		<b>BF78144</b>		
International Durastar HV, Series 3000, Transtar & Workstar				
Replaces Monroe 65144				
POSITION (in.)	EXTENDED LENGTH (in.)	COLLAPSED LENGTH (in.)	STROKE (in.)	BORE (in.)
FWD	20.78	13.15	7.63	1.625



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## AIR SPRINGS

# BF-U9781SA

**NEW**

### Air Spring Rear - Aluminum Base for Freightliner Columbia & Cascadia

#### Specifications

Below Type	Rolling Lobe
Top Plate Hole/Studs	2
Bottom Plate Hole/Studs	1
Top Plate Dia	9"
Bottom Plate Dia	10.63"

#### Replaces

**Alliance** ABP N32 019781  
**Firestone** W013589781  
**Goodyear** 1R12-603

#### Other Interchanges:

**AUTOMANN** 566.ER9781, AS9781  
**FREIGHTLINER** 1613840000, 1616773000, 1619465000, 1619466000  
 6813200017, A1614004000, 6813200017, 681-320-0017  
**CONTITECH** AS9780, AS9781, 910S16A382, W013778527, W013778529,  
 W013779781, 566243108, 566243275, FIW013589781  
**HD VALUE** HDV9781, **NAVISTAR** FSIW013589781, FLTA1R12603  
**TRIANGLE** AS-8999, AS-8382  
**WORLD AMERICAN** WA01-9781C  
**MERITOR** FS9781, MAF9781  
**STEMCO** 1R12-603, 1R12-593, 1R12-599, 1R12-600, 1R12-595  
**PISTON** 9607, TOP PLATE 3191

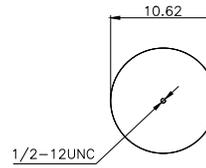
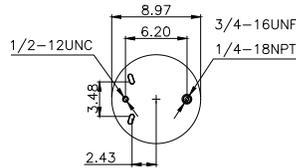
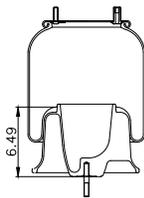
**\* Bracket Sold Separately**



**Top**



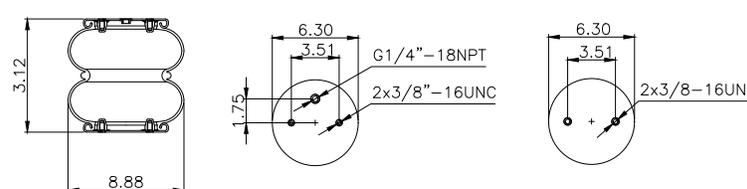
**Bottom**



\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.

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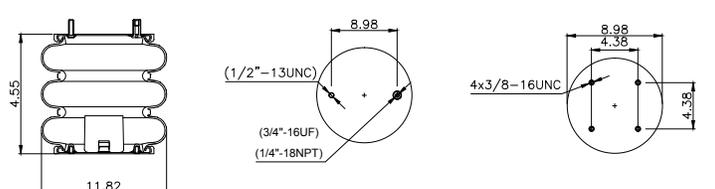
## AIR SPRINGS

### BF-U6910DC NEW

**Double Convuluted Air Spring For Truck or Trailer w/HDR and Watson & Chalin Suspensions**  
**Firestone W01-358-6910**  
**Goodyear 2B9-200**

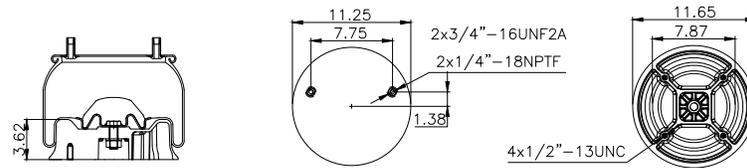
**Interchanges**  
 Automann SP2B12R-6910  
 Granning 1371  
 Dayton 354-6910  
 DINA A-8127-19  
 Granning 2726  
 Hendrickson S-8768  
 Loadguard SC2011  
 Navistar / Fleetrite 554783C1

### BF-U8033TC NEW

**Triple Convuluted Air Spring For Truck or Trailer w/HDR and Watson & Chalin Suspensions**  
**Firestone W01-358-8033**  
**Goodyear 3B12-312**

**Interchanges**  
 Automann SP3B22R-8033  
 Loadguard SC2784  
 Hendrickson 003316, B-14487  
 TRP AS80330  
 Watson & Chalin AS-0168-G

### BF-U8050SA NEW

**Air Spring For Trailers w/HDR and Watson & Chalin Suspensions**  
**Firestone W01-358-8050**  
**Goodyear 1R14-039**

**Interchanges**  
 Automann 1DK28A-8050  
 Loadguard SC2052  
 Navistar / Fleetrite 1685174C1  
 Reyco 23631-01  
 SAF Holland 57008050  
 TRP AS80500  
 Watson / Chalin AS-0039  
 Volvo 3130498  
 Hendrickson B-12514-013,  
 S-4771, B-4771, 36514-13

## AIR SPRINGS

### BF-U8708SP NEW

**Air Spring For Trailers w/HDR Vantraax HKA200 Suspension**  
**Firestone W01-358-8708**  
**Goodyear 1R13-177**

**Interchanges**  
 Automann 1DK25E-8708  
 Fleet Pride AS8708  
 Hendrickson S21966  
 Navistar / Fleetrite FLT1R13177

### BF-U8709SP NEW

**Air Spring For Trailers w/HDR Suspension Intraax**  
**Firestone W01-358-8709**  
**Goodyear 1R13-159**

**Interchanges**  
 Automann 1DK25A-8709  
 Fleet Pride AS8709  
 Hendrickson S211800, S20900  
 Navistar / Fleetrite FLT1R13159

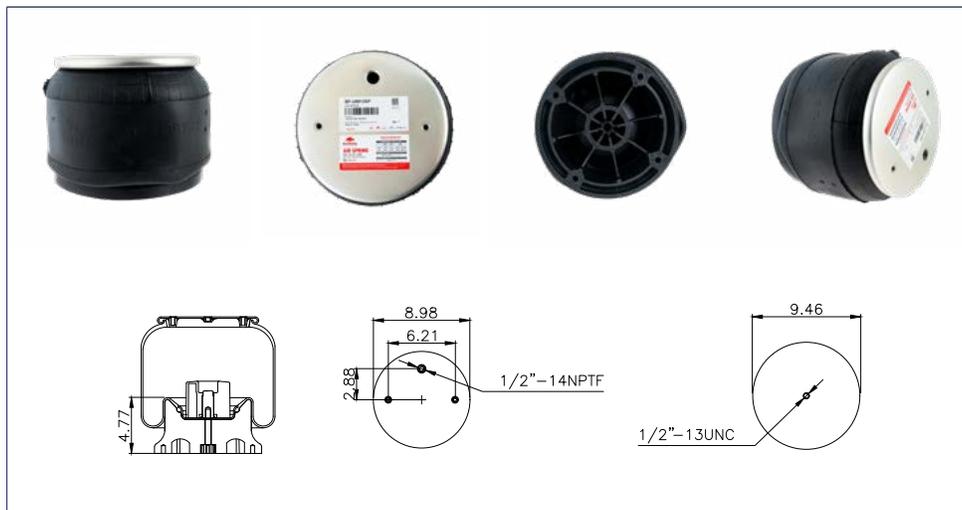
### BF-U8729SP NEW

**Air Spring**  
**Firestone W01-358-8729**  
**Goodyear 1R13-130**

**Interchanges**  
 Arvin Meritor (R.O.R) 202796  
 Volvo 83176122

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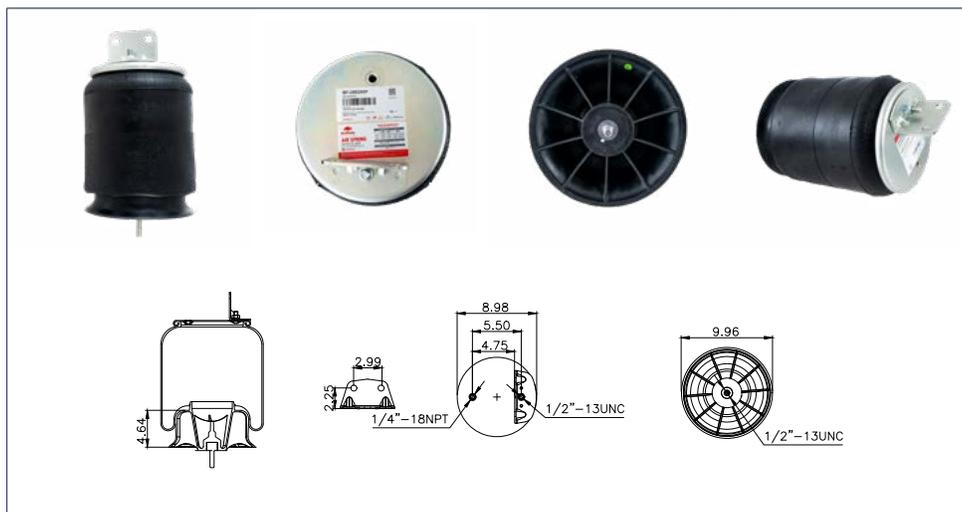
## AIR SPRINGS



### BF-U8813SP NEW

**Air Spring For Peterbilt & Kenworth  
Firestone W01-358-8813**

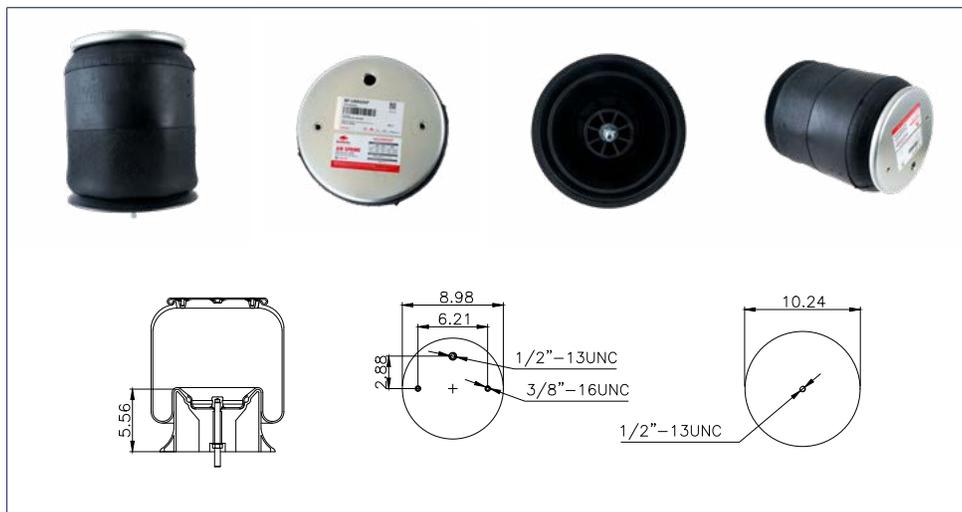
**Interchanges**  
 Automann 1DK23I-8813  
 Fleet Pride AS8813  
 Kenworth C81-1003  
 Peterbilt C81-6000



### BF-U8829SP NEW

**Air Spring For Volvo  
Firestone W01-358-8829  
Goodyear 1R12-615**

**Interchanges**  
 Automann 1DK23K-8829  
 Fleet Pride AS8829  
 Loadguard SC2757  
 Mack 57QL54M  
 Navistar / Fleetrite FLT1R12615  
 Volvo 3934599, 8079902, 8084296,  
 8097092, 20505399, 20733034



### BF-U8852SP NEW

**Air Spring For Peterbilt (Low Air Leaf)  
Firestone W01-358-8852  
Goodyear 1R12-568**

**Interchanges**  
 Automann 1DK23L-8852  
 Fleet Pride AS8852  
 Navistar / Fleetrite FLT1R12568  
 Peterbilt 03-07887

## AIR SPRINGS

### BF-U8864SP NEW

**Air Spring For Peterbilt  
Firestone W01-358-8864**

**Interchanges**  
 Automann 1DK23L-8864  
 Fleet Pride AS8864  
 Peterbilt 03-08716

### BF-U9026SP NEW

**Air Spring For Peterbilt (Low Air Leaf)  
Firestone W01-358-9026**

**Interchanges**  
 Automann 1DK23K-9026  
 Fleet Pride AS9026  
 Peterbilt 03-06213, 03-07111

### BF-U9069SP NEW

**Air Spring For Peterbilt & Kenworth  
Firestone W01-358-9069  
Goodyear 1R12-069**

**Interchanges**  
 Dayton 352-9069  
 Hendrickson S13031  
 Loadguard SC2034  
 Navistar / Fleetrite 554764C1, FLT1R12069  
 Peterbilt 03-02456, 03-04759, 03-01649, 03-06746, 03-07112, 03-02038, 03-10042  
 Volvo 85101145  
 Watson & Chalin AS-0077

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## CABIN AIR SPRINGS



### BF-U7036CA NEW

**Air Spring Cabin For Peterbilt 379**  
**Firestone W02-358-7036**  
**Goodyear 1S5-186**

**Interchanges**  
 Peterbilt 29-03200



### BF-U7205C NEW

**Air Spring Cabin For Freightliner & Western Star**  
**Firestone W02-358-7205**

**Interchanges**  
 Freightliner 66003-3406



### BF-U7206C NEW

**Air Spring Cabin For Freightliner Century Class & Argos**  
**Firestone W02-358-7206**  
**Goodyear 1S5-176**

**Interchanges**  
 Freightliner 18-40977-00



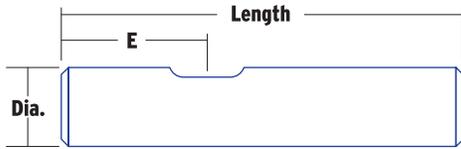
### BF-U7215C NEW

**Air Spring Cabin For Freightliner Century Class ST**  
**Firestone W02-358-7215,**  
**Goodyear 1S5-175**

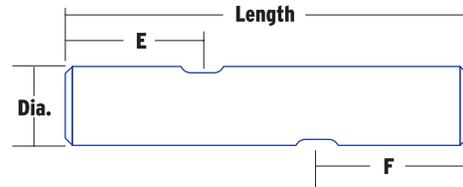
**Interchanges**  
 Freightliner 18-52651-00

## KING BOLT SETS STYLES

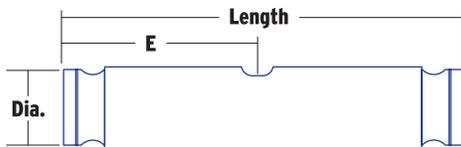
**Style 1**  
**One Keyway**



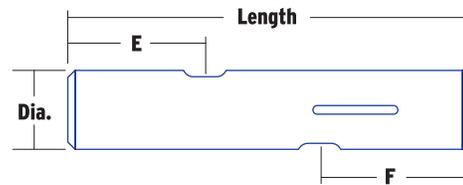
**Style 2**  
**Two Keyways**



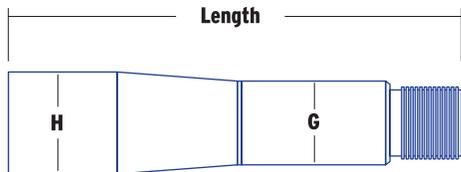
**Style 3**  
**One Keyway, Two Seal Grooves**



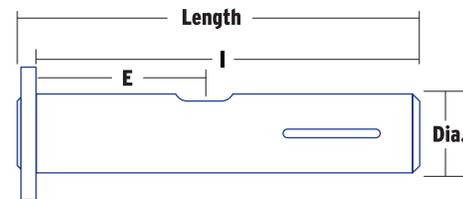
**Style 4**  
**Two Keyways, One Oil Groove**



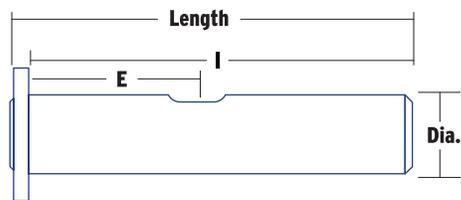
**Style 5**  
**Tapered & Threaded**



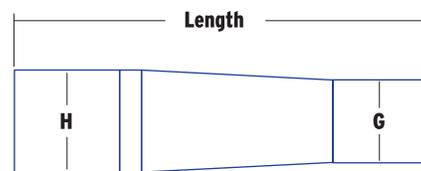
**Style 6**  
**One Keyway, One Oil Groove**



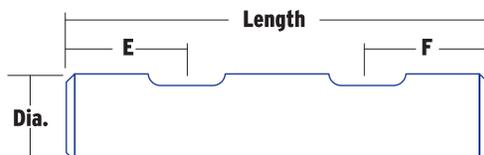
**Style 7**  
**One Keyway**



**Style 8**  
**Tapered**



**Style 9**  
**Dual Keyway**



**KING PIN DIMENSIONS**

- E** = Drawkey Length "Shortest Distance Between Edge and Keyway"
- F** = Drawkey Length "Shortest Distance Between Edge and 2nd Keyway"
- G** = Small Taper Diameter
- H** = Large Taper Diameter
- I** = Length Between Edge and Endcap

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## KING BOLT SETS DIMENSIONS • BY PIN DIA.

PART NO	DIAMETER (in.)	LENGTH (in.)	E (in.)	F (in.)	G (in.)	H (in.)	I (in.)	REAM / NON REAM	STYLE
BF469A	0.8590	6.5470	3.0620					Ream	3
BF478C	0.8590	6.0310	2.7340				5.8900	Ream	6
BF523DC	0.8590	6.5200	2.6410					Ream	1
BF570DC	0.8590	6.3750	2.5470					Ream	1
BF420	0.8660	5.3130	2.6560					Non Ream	1
BF420B	0.8660	5.3130	2.6560					Non Ream	1
BF505	0.8730	5.3750	2.6880					Ream	1
BF420C <b>SO</b>	0.9210	5.6250	2.8130					Ream	1
BF421	0.9210	5.6250	2.8130					Ream	1
BF466	0.9212	7.0000	3.2030					Ream	3
BF469	0.9360	6.4380	3.0630					Ream	1
BF472A	0.9360	6.4380	3.0630					Ream	1
BF1125	0.9840	6.0230	2.2440					Non Ream	1
BF1136	0.9840	6.0230	2.4800					Non Ream	1
BF232	0.9841	6.5787	2.6772					Non Ream	1
BF572DC	1.0540	6.4380	2.9530					Ream	1
BF825	1.0540	6.9690	3.1780					Ream	1
BF525 <b>SO</b>	1.0550	6.6880	3.6410					Ream	1
BF522M	1.1010	7.1000	2.6400					Non Ream	1
BF706	1.1015	6.5670	2.4810					Non Ream	1
BF546M	1.1024	7.0866	2.6575					Non Ream	1
BF602 <b>SO</b>	1.1030	6.7530	3.3570					Non Ream	1
BF478B	1.1280	7.1850	3.2970				6.9490	Ream	6
BF470	1.1285	7.6720	3.5550					Ream	3
BF722 <b>SO</b>	1.1790	6.3750	3.1250					Ream	1
BF605	1.1795	6.8510	3.4000					Non Ream	1
BF231	1.1819	7.3701	3.1299					Non Ream	1
BF1104	1.2300	7.0900	3.0400					Ream	1
BF571 <b>SO</b>	1.2305	8.9100	4.5010					Ream	3
BF477AR	1.2340	7.4380	2.3750	2.9690				Ream	2
BF538BIR	1.2340	6.9380	3.4690					Ream	1
BF539BIR	1.2340	7.6250	3.8130					Ream	1
BF1106	1.2470	7.0660	2.9949					Non Ream	1
BF492A	1.2490	7.8750	3.6960					Ream	1
BF1105	1.3000	6.6300	2.7480					Ream	1
BF645	1.3590	7.9840	3.0530					Ream	1
BF1108	1.3590	7.9700	3.0630	3.2670				Ream	2
BF1130	1.3779	7.8905	3.0118					Non Ream	1
BF1109 <b>NEW</b>	1.3779	7.8346	4.4192						1
BF1113 <b>NEW</b>	1.3779	7.8740	3.1510					Non Ream	1
BF321	1.3800	8.1200	3.2100					Non Ream	1
BF465A	1.4330	8.5000	3.0000	3.6250				Ream	2
BF537	1.4340	8.2500	2.7030	3.5930				Ream	2
BF873CB <b>NEW</b>	1.5000	7.5100	2.5350	3.2950				Non Ream	2
BF517	1.6085	9.6250	3.2900	4.0950				Ream	4
BF817	1.6085	9.6700	4.0110					Ream	1
BF841	1.6255	9.2000	3.3770					Ream	1
BF842	1.6255	9.2000	3.3770					Ream	1
BF830	1.7450	9.3750	3.4350	4.0810				Ream	2
BF1119 <b>NEW</b>	1.7716	9.2126	3.3385	4.1545				Non Ream	2
BF848CB	1.7913	10.3940	4.0390	4.5670				Non Ream	2
BF534B	1.7935	10.4200	4.0230	4.5090				Ream	2
BF548	1.7935	10.0780	3.9030	4.3290				Ream	2

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## KING BOLT SETS DIMENSIONS • BY PIN DIA.

PART NO	DIAMETER (in.)	LENGTH (in.)	E (in.)	F (in.)	G (in.)	H (in.)	I (in.)	REAM / NON REAM	STYLE
<b>BF504</b>	1.7935	9.1250	4.0000	3.3130				Ream	2
<b>BF823</b>	1.7935	10.4060	4.0300	4.5320				Ream	2
<b>BF826CB</b>	1.7935	8.8400	3.1880	3.8400				Non Ream	2
<b>BF836</b>	1.7935	10.4060	4.0310	4.5320				Ream	2
<b>BF850</b>	1.7935	9.0630	3.1560					Ream	1
<b>BF867</b>	1.7940	9.0500	3.1259	3.7913				Non Ream	9
<b>BF838</b>	1.8105	10.5310	5.0940					Non Ream	1
<b>BF846CB</b>	1.8724	9.9650	3.6250					Non Ream	1
<b>BF861CS</b>	1.8725	9.0650	3.1430					Ream	1
<b>BF868</b>	1.8730	9.0700	3.1259	3.7913				Non Ream	9
<b>BF849</b>	1.9207	9.8750	4.0080	3.6160				Ream	2
<b>BF1114</b> <span style="background-color: red; color: white; padding: 2px;">NEW</span>	1.9685	9.783	3.4606					Non Ream	1
<b>BF547</b>	2.0000	11.2340	4.0310	4.5690				Ream	2
<b>BF700</b>	2.0000	11.0400	3.8000	4.6200				Ream	2
<b>BF853</b>	2.0460	10.1200	3.7280	4.1390				Ream	2
<b>BF1107</b> *Bearing Not included *Sold Separately		8.9200			1.5748	2.3622		Non Ream	5
<b>BF450A</b>		9.7500			1.3090	1.6065		Ream	5
<b>BF829</b>		7.4380			1.3740	1.6246		Ream	8
<b>BF834</b>		8.7500			1.7495	2.1250		Ream	8
<b>BF852</b>		9.2031			1.4995	1.8900		Non Ream	5
<b>BF858</b>		9.6093			1.4995	1.8900		Non Ream	5

## KING BOLT SETS COMPONENTS

PART No	DESCRIPTION	REPLACES
<b>BFB-T182</b>	Tapered Bearing - 1.822 in Bore, 3.266 in O.D., 0.937 in Width	T182
<b>BFB-T182S</b> <span style="background-color: red; color: white; padding: 2px;">SO</span>	Tapered Bearing - 1.822 in Bore, 3.455 in O.D., 0.99 in Width	T182S
<b>BFB-T1822S</b>	Tapered Bearing - 1.822 in Bore, 3.365 in O.D., 0.684 in Width	T1822S
<b>BFB-T188S</b> <span style="background-color: red; color: white; padding: 2px;">SO</span>	Tapered Bearing - 1.885 in Bore, 3.455 in O.D., 0.937 in Width	T188S
<b>BFB1107</b>	Bearing Set for King Bolt Set BF1107	



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<p><b>BF1104</b></p>	<p><b>BF1105</b></p>	<p><b>BF1106</b></p>
<p><b>BF1107</b></p> <p>*Bearing Not included. Sold Separately</p>	<p><b>BF1108</b></p>	<p><b>BF1109</b> <span style="background-color: red; color: white; padding: 2px;">NEW</span></p>
<p><b>BF1113</b> <span style="background-color: red; color: white; padding: 2px;">NEW</span></p>	<p><b>BF1114</b> <span style="background-color: red; color: white; padding: 2px;">NEW</span></p>	<p><b>BF1119</b> <span style="background-color: red; color: white; padding: 2px;">NEW</span></p>
<p><b>BF1130</b></p>	<p><b>BF1125</b></p>	<p><b>BF1136</b></p>
<p><b>BF231</b></p>	<p><b>BF232</b></p>	<p><b>BF321</b></p>
<p><b>BF420</b></p>	<p><b>BF420B</b></p>	<p><b>BF420C</b></p>

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<p><b>BF421</b></p>	<p><b>BF450A</b></p>	<p><b>BF465A</b></p>
<p><b>BF466</b></p>	<p><b>BF469</b></p>	<p><b>BF469A</b></p>
<p><b>BF470</b></p>	<p><b>BF472A</b></p>	<p><b>BF477AR</b></p>
<p><b>BF478B</b></p>	<p><b>BF478C</b></p>	<p><b>BF492A</b></p>
<p><b>BF504</b></p>	<p><b>BF505</b></p>	<p><b>BF517</b></p>
<p><b>BF522M</b></p>	<p><b>BF523DC</b></p>	<p><b>BF525</b></p>

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<p><b>BF534B</b></p>	<p><b>BF537</b></p>	<p><b>BF538BIR</b></p>
<p><b>BF539BIR</b></p>	<p><b>BF546M</b></p>	<p><b>BF547</b></p>
<p><b>BF548</b></p>	<p><b>BF570DC</b></p>	<p><b>BF571</b></p>
<p><b>BF572DC</b></p>	<p><b>BF602</b></p>	<p><b>BF605</b></p>
<p><b>BF645</b></p>	<p><b>BF700</b></p>	<p><b>BF706</b></p>
<p><b>BF722</b></p>	<p><b>BF817</b></p>	<p><b>BF823</b></p>

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<p><b>BF825</b></p>	<p><b>BF826CB</b></p>	<p><b>BF829</b></p>
<p><b>BF830</b></p>	<p><b>BF834</b></p>	<p><b>BF836</b></p>
<p><b>BF838</b></p>	<p><b>BF841</b></p>	<p><b>BF842</b></p>
<p><b>BF846CB</b></p>	<p><b>BF848CB</b></p>	<p><b>BF849</b></p>
<p><b>BF850</b></p>	<p><b>BF852</b></p>	<p><b>BF853</b></p>
<p><b>BF858</b></p>	<p><b>BF861CS</b></p>	<p><b>BF867</b></p>

\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.

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## KING BOLT SETS APPLICATIONS

YEAR	MODEL	AXLE	PART No	YEAR	MODEL	AXLE	PART No
<b>AGRALE</b>				<b>CHEVROLET</b>			
	Agrale MA 8.5 TCE		BF1106	73-75	B60, B6P	12000	BF450A
<b>AUTOCAR</b>				73-90		7000	BF492A
78-80	A42, A64, S42, S64	12000	BF534B	79-82		6000	BF492A
81-85		14600	BF836	79-90		7500	BF492A
74-80		12000	BF838	75-90		9000	BF830
91-98	ACL42B, ACL42F, ACL64B, ACL64BT, ACL64F	14600	BF836	75-90		12000	BF830
74-80	CK64, CK64B, CK64F	16000	BF700	57-74	B60, C70		BF504
74-80		18000	BF700	93-99	B7T	9000	BF852
78-80	DC42, DC64, DK64, K42, K64, KM42-64, KS42, KS64	16000	BF700	93-99		11000	BF852
78-80		18000	BF700	77-87	Bison	16000	BF547
70-80	DC42B, 42F, 64F, 87T, 87U, 9364, 9964, 10364	16000	BF700	77-87		18000	BF547
70-80		18000	BF700	79-87		12000	BF817
81-85		14600	BF836	79		10860	BF830
84-87	DK42B, DK42F, DK64B, DK64BT, DK64F	14600	BF836	75-87		12000	BF830
78-80	KL64, KL64F, KM42, KM64, KM64F, KS42	12000	BF838	79-80		9000	BF830
<b>CHEVROLET</b>				79-82	Bruin	7000	BF492A
53-55	1 TON	L	BF420C	79-88		16000	BF547
55-59		L	BF421	79-88		18000	BF547
85-91		P30	BF722	85-87		12000	BF823
53-55	1-1/2 TON	N, P	BF420C	79-82		10860	BF830
53-55	1/2 TON	H	BF420B	79-88		9000	BF830
63-64	2 TON & UP	7000	BF492A	79-88		12000	BF830
53-55	2500 Series	J	BF420C	93-99		9000	BF852
55-59		J	BF421	93-99		11000	BF852
67-70	40 Series		BF421	71-72		C40	7000
63-66	50 Series		BF421	73-75	C60, C6D	12000	BF450A
65	A60, A80, N80, Q80, V80	11000	BF450A	63-72		5000	BF492A
65		7000	BF492A	64-90		7000	BF492A
39-54	ALL EXC JB & KB	ALL	BF420	63-87		9000	BF830
				75-90		12000	BF830
				79-92		8100	BF830

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YEAR	MODEL	AXLE	PART No
<b>CHEVROLET</b>			
75-78	C65, M65, T65	12000	BF450A
73-75		12000	BF830
75-78		9000	BF830
75-90	C6D, C60	5000	BF722
53-62	Corvette	ALL	BF420
65-70	D60	11000	BF450A
63-70		7000	BF492A
70-74	D90, F90	12000	BF450A
70-72		16000	BF700
75-78		12000	BF830
66-72		11000	BF450A
66-74	H70	12000	BF450A
73-78		16000	BF547
66-72		16000	BF700
75-78		9000	BF830
75-78		12000	BF830
73-74		H80	12000
73-78	16000		BF547
73-78	H80, H90, J70, J80	18000	BF700
66-74	J70	11000	BF450A
66-74		12000	BF450A
66-78		7000	BF492A
73-78		16000	BF547
73-78	J80	16000	BF547
73-78		9000	BF830
75-78		12000	BF830
79-92	Kodiak C70, C7D, C7H	7000	BF492A
79-92		9000	BF830
79-92		12000	BF830
84-92		8100	BF830
90-99		12000	BF852
93-99		11000	BF852
90-94		14000	BF858
91-99		12000	BF858
65-70	L50	11000	BF450A
65-70		7000	BF492A
63-66	L60, C80, 380, L80, M80, U80	11000	BF450A
67-72	M50	7000	BF492A
75-78	M60	5000	BF722
79-84	P40	7000	BF492A
79-90		5000	BF722
83-90	P60	5000	BF722
97-00	T5500, T6500, 7500	12000	BF858
97-00		14600	BF858
97-00	T5500, T6500, T7500, T8500	11000	BF852
70-72	T60	12000	BF450A

YEAR	MODEL	AXLE	PART No
<b>CHEVROLET</b>			
66-74	T70	12000	BF450A
83-87	Titan	12000	BF823
<b>DAIHATSU</b>			
	V10, V20, V30	ALL	BF706
<b>DODGE</b>			
54-56	1 1/2 TON & UP	3750	BF469
54-56	1 TON	3750	BF469
61-71		3000	BF469
61-71		3000	BF472A
54-56	1/2 TON	C1B	BF505
72-74	200 Series	P200	BF472A
61-71	3/4 TON	3000	BF469
51-53		B3C	BF505
70-76		9000	BF465A
61-78	300 Series	P300	BF469
69-78		M300	BF469
61-71		D300	BF472A
61-78		P300	BF472A
69-78		M300	BF472A
79-81		M300	BF538BIR
60-76		C1000	7000
60-73	12000		BF504
72-73	C500	5000	BF538BIR
69-73	C600	7000	BF477AR
72-73		5000	BF538BIR
61-69	C700	9000	BF465A
63-69		12000	BF504
60-77	C800	9000	BF465A
69-77		12000	BF504
60-76	C850	9000	BF465A
60-76		7000	BF477AR
61-77	C900	9000	BF465A
61-77		12000	BF504
74-75	CN800, CNT800	9000	BF465A
74-75		12000	BF504
69-76	CN900, CNT900, CT900	9000	BF465A
60-76	CT800	7000	BF477AR
60-75		12000	BF504
60-71	D400	4000	BF469
72-73	D500	4000	BF469
72-77		5000	BF538BIR
72-77	D600	5000	BF538BIR
74-77		7000	BF539BIR
63-71		9000	BF465A
75-77	D700	5000	BF538BIR
75-77		7000	BF539BIR

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YEAR	MODEL	AXLE	PART No
<b>DODGE</b>			
73-75	DN1000, DNT1000	12000	BF504
66-71	L700	9000	BF465A
72-75	LS1000, LT1000	9000	BF465A
69-72	M400, R400	5000	BF469
69-72		5000	BF472A
79-81		5000	BF538BIR
72-73	M500, R500	ALL	BF538BIR
79-81		ALL	BF538BIR
76-81	M600	ALL	BF538BIR
60-72	P400, DL400, PL400	4000	BF469
60-72		4000	BF472A
48-53	Route Van	BIEU	BF469
61-69	S400	4000	BF469
74-77	S600	7000	BF539BIR
74-77	S700	7000	BF539BIR

<b>EATON</b>			
94-99	E-1000I, E-1000W	10000	BF850
	E-1002I, E-1002W	10000	BF868
	E-1200I, E-1200W, E-1201W	12000	BF850
	E-1202I, E-1202W	12000	BF868
	E-1203I	12000	BF867
95-99	E-1320I, E-1320W	13200	BF850
	E-1322I, E-1322W	13200	BF868
	E-1462I, E-1462W	14600	BF868
78-80	EFA-12F4	12000	BF841
93-98	EFA-13F5	13200	BF841
	EFA-18F3	18000	BF846CB
	EFA-20F4, EFA-22T2, EFA-22T5	20000	BF846CB
	EFA-24T2, EFA-24T5	24000	BF846CB

<b>FORD</b>			
57-66	1 TON F4, 350-400 Series	F350	BF466
57-76		P350	BF466
48-52		F4	BF478B
67-79		F350	BF572DC
80-86		F350	BF825
57-64	1/2 TON 100 Series	F100	BF469A
61-67		P100	BF469A
53-56		F100	BF478C
75-79		F100	BF523DC
75-79		F150	BF523DC
66-74		F100	BF570DC
80-81		F100	BF825
80-81		F150	BF825

YEAR	MODEL	AXLE	PART No	
<b>FORD</b>				
57-64	3/4 TON F2, F3, F250 Series	F250	BF469A	
53-56		F250	BF478C	
75-79		F250	BF523DC	
71		F250	BF570DC	
72-74		F250	BF570DC	
71		F250	BF572DC	
72-74		F250	BF572DC	
80-86		3/4 TON F2, F3, F250 Series	F250	BF825
62-88		B Series 4 x 2 School Bus	9000	BF465A
57-62			4700	BF470
75-90	7000		BF537	
75-90	8000		BF537	
80-83	7500		BF537	
83-89	12000		BF548	
87-89	10000		BF548	
67-88	6000		BF571	
62-88	C & CT Series 4x2 & 6x4 Trucks		9000	BF465A
64-70			7000	BF477AR
68-70		6000	BF477AR	
61-86		12000	BF504	
75-90		7000	BF537	
76-90		9000	BF548	
76-90		12000	BF548	
67-90		7000	BF571	
70-79		6000	BF571	
76-90		9000	BF571	
	Cargo 815. Brazilian Model		BF1105	
89	CF & CFT Series	11000	BF548	
86-88		12000	BF548	
87-89		13000	BF548	
78-89	CL900, CLT900, CL9000, CLT9000	12000	BF548	
87-89		11000	BF548	
75-91	Econoline	E250	BF525	
75-91		E350	BF525	
69-71		E300	BF572DC	
62-79	F & FT Series	9000	BF465A	
57-62		4700	BF470	
57-70		7000	BF477AR	
61-86		12000	BF504	
75-88		9000	BF537	
84-88		8000	BF537	
76-89		10000	BF548	
76-91		9000	BF548	
67-90		6000	BF571	
67-90		7000	BF571	
40-62	F500	5000	BF470	

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YEAR	MODEL	AXLE	PART No
<b>FORD</b>			
64-66	HT950, H1000	12000	BF504
67-83	L & LT Series Louisville 4x2 & 6x4	12000	BF504
75-97		7000	BF537
75-88		12000	BF548
76-89		10000	BF548
76-91		11000	BF548
67-88		7000	BF571
67-90		6000	BF571
70-75		18000	BF700
70-75		20000	BF700
87-89		LA Series Aeromax 4x2 & 6x4	10000
87-88	LA Series Aeromax 4x2 & 6x5	12000	BF548
86-96	LA Series Aeromax 4x2 & 6x6	9000	BF846CB
70-83	LN500, LN600, LN700, LN750	9000	BF465A
75-97		7000	BF537
70-97		6000	BF571
70-97		7000	BF571
64-65	N1100	12000	BF504
63-69	N700, N750	9000	BF465A
67-69		6000	BF571
68-69	N8000	12000	BF504
68-69		12000	BF700
62-69	N850, N950	12000	BF504
57-78	P Series	3800	BF466
	Rockwell Timken		BF492A
60-70	Rockwell Timken - Standard Axles on Ford Trucks		BF477AR
75-77	W900, WT900, W9000, WT9000	12000	BF548

<b>FREIGHTLINER</b>			
	Cascadia		BF1119
96-98	C112, C120 Century Class	14600	BF836
96-98		12000	BF848CB
	Conventional & Cab Over Engine	11000	BF450A
		12000	BF534B
	FF952, FF981, FF986	12000	BF826CB
91-98	FL50, FL60, FL70, MB50, MB60, MB70	10000	BF848CB
91-98	Business Class Conventional Cab	12000	BF848CB
92-98	FL80, FL106, FL112, MB80 Business Class	12000	BF823
		14600	BF836
91-98	FLA, FLB, FLL Series	12000	BF848CB
92-98		12000	BF823
89-98		14600	BF836
92-94		13200	BF841
		24000	BF848CB
89-98		12000	BF848CB

YEAR	MODEL	AXLE	PART No
<b>FREIGHTLINER</b>			
86-97	FLC112 Series	12000	BF823
86-97		14600	BF836
92-93		12000	BF841
86-97		12000	BF848CB
77-90	FLC120, FLP, FLT Series	12000	BF823
82-90		14600	BF836
85-90		12000	BF841
82-84		12000	BF842
77-90		12000	BF848CB
86-90		12000	BF848CB
91-97	FLD112, FLD120 Conventional Cab	12000	BF823
91-98		12000	BF848CB
03-17	M2106 (MBE906 6.4L)		BF873CB

<b>GMC</b>			
53-54	1 TON		BF420C
53-54	1/2 TON		BF420B
53-54	3/4 TON		BF420C
53-54	300 Series		BF420C
55-59			BF421
65-66	3500 Series	P3500	BF420C
63-66		3500	BF421
85-90		P3500	BF722
63-64	4000 Series	ALL	BF492A
79-83	Astro, D9K, D9L	16000	BF547
83-87		18000	BF547
83-87		12000	BF823
79-87		12000	BF830
73-75	B6000, B6P	12000	BF450A
79-82		6000	BF492A
75-90		12000	BF830
79-82		9000	BF830
83-87		8100	BF830
93-99		B7T	9000
93-99	11000		BF852
79-82	Brigadier J8C, J9C	7000	BF492A
79-87		16000	BF547
81-87		18000	BF547
85-87		12000	BF823
79-87		9000	BF830
79-87		10860	BF830
79-87		12000	BF830
73-90	C5000, C5D Topkick	7000	BF492A
75-90		5000	BF722
67-72	C5500	7000	BF492A
75-78		5500	BF722

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YEAR	MODEL	AXLE	PART No	
<b>GMC</b>				
79-82	C6000, C6D Topkick	9000	BF450A	
73-90		7000	BF492A	
75-90		5000	BF722	
75-90		12000	BF830	
83-90		8100	BF830	
83-90		9000	BF830	
93-99		11000	BF852	
69-72		C6500	11000	BF450A
69-75	12000		BF450A	
75-90	9000		BF830	
75-90	12000		BF830	
79-82	12000		BF450A	
93-00	C7500, C7D, C7H Topkick	16000	BF846CB	
90-98		11000	BF852	
90-98		12000	BF852	
93-99		9000	BF852	
63-69		C9500	12000	BF450A
63-69	D90, D9500	11000	BF450A	
63-74		12000	BF450A	
73-78		16000	BF547	
73-78		18000	BF700	
75-78		12000	BF830	
67-69	E4500	4000	BF421	
67-69	E5500, E6500	7000	BF492A	
97-98	F6B, F7B	11000	BF852	
97-98		14600	BF858	
73-78	F9500	16000	BF547	
73-78		18000	BF700	
79-82	General	9000	BF450A	
79-82		12000	BF450A	
79		10860	BF830	
83-88		9000	BF830	
83-88		12000	BF830	
63-67		H5500	7000	BF492A
66-78		H7500	7000	BF492A
73-78			16000	BF547
73-78	18000		BF700	
75-78	9000		BF830	
75-78	12000		BF830	
63-74	H8500	12000	BF450A	
66-78		7000	BF492A	
73-78	H8500	16000	BF547	
75-78		9000	BF830	
75-78		12000	BF830	

YEAR	MODEL	AXLE	PART No
<b>GMC</b>			
73-78	J7500	16000	BF547
73-78		18000	BF700
75-78		9000	BF830
75-78		12000	BF830
73-78		J8500	16000
73-78	J9500	18000	BF700
75-78		9000	BF830
75-78		12000	BF830
75-90	M6000	12000	BF830
79-90	P4500	5000	BF722
83-90	P6000, P6S, P6T	5000	BF722
92-96		11000	BF852
97-00	T5500	12000	BF858
97-00		14600	BF858
97-00	T6500	12000	BF858
97-00		14600	BF858
97-00		11000	BF852
97-00	T7500	12000	BF858
97-00		14600	BF858

<b>HINO</b>			
	300 W04D-J Dutro 611		BF1136
	FD,FP,FG,FF(Micro Bus) Include all parts	ALL	BF321
	Truck Series 500		BF1130

<b>INTERNATIONAL</b>			
	E-1200I, FA337, FA340	12000	BF817
	FA101, I75 (02101)	7500	BF1108
	FA104, I80 (02104)	8000	BF1108
	FA101, FA103	7500	BF645
	FA104	8000	BF645
	FA110	9000	BF450A
	FA111	12000	BF450A
	FA112, FA119	12000	BF517
	FA114	9000	BF450A
FROM 81	FA118	9000	BF517
		9000	BF817
	FA127, FA329	10800	BF817
	FA139, FA234	12000	BF817
	FA226	12000	BF848CB
	FA227	13200	BF848CB
	FA248	24000	BF817
	FA69, FA73, FA74, FA78	6000	BF645
	FA71	5000	BF645
	FA71, I50 (02071)	5000	BF1108
	FA73, I60 (02073)	6000	BF1108
	FF931	12000	BF848CB

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YEAR	MODEL	AXLE	PART No
<b>INTERNATIONAL</b>			
	FF941	12000	BF848CB
	FF942	13200	BF848CB
	I100S	10000	BF849
	I108	10800	BF817
	I120	12000	BF817
	I120S	12000	BF849
	I140S	14000	BF853
	I50	5000	BF645
	I60, I60S	6000	BF645
	I60S (02ADA), I80S (02ADB)	6000	BF1108
		8000	BF1108
87-89	I75	7500	BF645
	I80S	8000	BF645

<b>ISUZU</b>			
	NHR 1 - 11/4 TON	ALL	BF232
	NPR 2 1/2 - 3 1/2 TON	ALL	BF231
	FRR/FRS 6BD1		BF1109
12-20	FRR 4HK1 L/R		BF1113
12-21	FVR, FTR 7800 (EURO II, IV)		BF1114

<b>KENWORTH</b>			
	C500	12000	BF534B
		12000	BF823
74-87	C500 Conventional Cab	12000	BF848CB
	C500B	12000	BF841
		12000	BF848CB
		12000	BF850
TO 86	K100 Cab Over Engine	12000	BF823
	K100 Cab Over Engine (To 1986)	12000	BF534B
FROM 86	K100, K100E Cab Over Engine	12000	BF823
	K100, K100E Cab Over Engine (From 1986)	12000	BF841
		12000	BF848CB
		12000	BF850
	K300	12000	BF841
		12000	BF850
	L700 Cab FWD	12000	BF534B
		12000	BF823
97-98	T2000	12000	BF848CB
94-98	T300 Series 4x2 Mid Range	10000	BF850
94-98		12000	BF850
	T400A, T400B, T450A, T450B CONV. CAB	12000	BF823
		10000	BF848CB
		12000	BF848CB
		12000	BF823
	T600A, T600B, T800, T800B Conventional Cab	12000	BF823
		12000	BF848CB
		12000	BF850
	T800 Teflon	14600	BF861CS

YEAR	MODEL	AXLE	PART No
<b>KENWORTH</b>			
	T800B Series 8x4 Twin Steer	20000	BF846CB
	W900, W900B, W900L, W900S	12000	BF534B
		18000	BF846CB

<b>MACK</b>			
90	CH600 Series	10500	BF829
91-98		12000	BF841
93-98	CL600, CL700 Series	12000	BF841
	DM, RM, Dump, Mixer, Construction, Refuse	14600	BF1107
		12000	BF1107
		18000	BF1107
		20000	BF1107
		23000	BF1107
ALL	DM400, DM600, DM800	10500	BF829
ALL		18000	BF834
75-80	DMM600 Series 6x4 ALL Wheel Drive 8x4 Twin Steer Drive	18000	BF834
81-90		20000	BF834
68-81	F700 Series 4x2 & 6x4	10500	BF829
94-98	FDM7000 Series	22000	BF846CB
68-79	MB400, MB600 Series	10500	BF829
68-79		18000	BF834
68-79		20000	BF834
ALL	R400, R600, R700	10500	BF829
ALL		18000	BF834

<b>MAZDA</b>			
	E2700, Titan E3000	ALL	BF602
	E3700, Titan 73000, 74100	ALL	BF605

<b>MERCEDES</b>			
	Mercedes Benz, Agrale 2003-2006, VW Buseton Copper Bushing Shaft 5620lbs		BF1104

<b>MERITOR</b>			
	17100, 17101, 17111	12000	BF836
LATE	FC901, FC902, FC903	7000	BF477AR
LATE	FD901, FD902, FD903	9000	BF465A
	FD961	10000	BF848CB
	FF901, FF903	12000	BF504
	FF921, FF923	12000	BF534B
	FF931, FF932, FF933, FF934, FF941, FF942, FF943, FF944	12000	BF823
		13200	BF823
		12000	BF848CB
		13200	BF848CB
	FF961	12000	BF848CB
	FF981, FF982, FF986	12000	BF826CB
	FG931, FG933, FG941, FG943	14600	BF836
	FH901	16000	BF700
	FL901	18000	BF700

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<b>MERITOR</b>			
	FL931, FL933, FL941, FL943	16000	BF547
		18000	BF547
		20000	BF547
	FL951	22000	BF547
	MFS10	10000	BF848CB
	MFS12	12000	BF826CB
		12000	BF848CB
	MFS13	13000	BF826CB
<b>mitsubishi</b>			
	FE Canter	ALL	BF546M
	FE211, WIDE Canter FE221, 4D30	ALL	BF522M
<b>TOYOTA</b>			
79-95	Toyoace LY20, LY21, YY20, YY2,		BF1125
78	Dyna BU20/30, HU30, JU20, RU20/30		BF1136
85-95	Dyna 150		BF1125
79-86	Stout		BF1125
<b>VOLVO</b>			
	FM12, FXL12	12000	BF1107
	FM9	9000	BF1107
	FXL14.6	14600	BF1107
	FXL18	18000	BF1107
	FXL20	20000	BF1107
	FXL23	23000	BF1107

YEAR	MODEL	AXLE	PART No
<b>WHITE TRUCK</b>			
	RB, RC, RX Series Road Boss II, Road Command II : 4x2 & 6x4	12000	BF838
	RBW, RCW Series Road Boss II, Road Command II : 4x2 & 6x4	12000	BF838
84-85	WC, WH, WI Series	12000	BF838
96-98	WCA, WIA Series 4x2 & 6x4	12000	BF850
96-98		13000	BF850
73-78	WFC-12042T, WFC-12064, WFC-12064T, WF-6342T	12000	BF534B
96-98	WG Series 4x2 & 6x4	12000	BF850
84-85	WX Series Xpeditor 4x2 & 6x4	12000	BF838

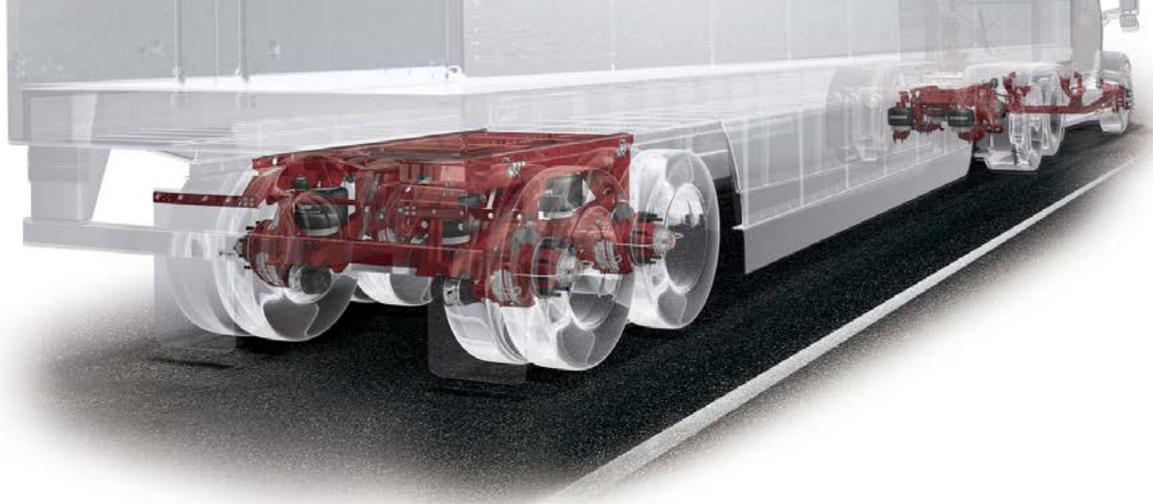
## SUSPENSION BUSHINGS

PART No	DESCRIPTION	REPLACES
<b>BFF30240</b>	380-520 Series - Bronze Center Bushing / Repair bushing for BF304370	30240-002
<b>BF-RB268</b> <span style="background-color: red; color: white; padding: 2px;">NEW</span>	Silent Block Spring Bushing (Anti-Walk) O.D. 2 1/2", Bolt Hole 7/8", MTG CTRS 5 3/4", Length 7 1/2", Type Straddle	R308804
<b>BF-R3010303</b> <span style="background-color: red; color: white; padding: 2px;">NEW</span>	Torque Rod End Bushing / Bushing O.D. 2 3/4" / Hole Diameter 5/8"	R3010303
<b>BF37904000</b> <span style="background-color: red; color: white; padding: 2px;">NEW</span>	Silent Block Bushing O.D. 2 1/4", I.D. 13/16", Length 4 1/4"	37904000



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**SUSPENSIONS  
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 **HENDRICKSON**



**47691000L**



**34013087L**



**05919000L**

PART No	DESCRIPTION
<b>30550008</b>	1 10.50 Top Pad Bolt
<b>08017000</b>	1 14Uns Locknut
<b>45000007L</b>	Adapter R440
<b>56943000</b>	Ain Support Z Spring
<b>60716002</b>	Air Spring
<b>S23611</b>	Air Spring
<b>57122002</b>	Air Spring Assy
<b>60271002</b>	Air Spring Assy, Fs
<b>67043002</b>	Air Spring Assy, Fs
<b>60643002</b>	Airtek Spring Eye Bushing
<b>34013087L</b>	Bar Pin Bushing Kit
<b>30334000</b>	Beam Center Seal
<b>60879000L</b>	Bolster Spring Pair
<b>44695000L</b>	Bush Torque Rod 2.75 in. Straddle
<b>47692000L</b>	Bushing - Torque Rod HA/E4
<b>34013049L</b>	Bushing Adapter Kit
<b>34013088L</b>	Bushing Kit/ Bar Pin
<b>44643009L</b>	Cross Tube
<b>60383000</b>	D-Pin Bushing Assy
<b>64632000</b>	Eccentric Collar
<b>56929000</b>	Has Slipper Pad
<b>60501000</b>	Leveling Valve
<b>30550010</b>	Palt Bolt
<b>S-24691</b>	Pivot Bushing Kit
<b>58648000</b>	Primaax Quick Align Pivot Bushing
<b>30437000L</b>	R250 Bronze Center Kit
<b>29878001L</b>	R250 End Bushing
<b>06664000L</b>	R340 Center Bushing
<b>06969000L</b>	R340 End Bushing
<b>05919000L</b>	R440 Center Bushing
<b>45900000L</b>	R460 End Bushing
<b>34013188L</b>	Rotating Bar Pin End Bushing
<b>31017096L</b>	Rt 460 Saddle Assy
<b>06696000</b>	Saddle Cap Stud
<b>04842000L</b>	Saddle Cap Stud Nut
<b>60961040</b>	Service Kit
<b>S-28890</b>	Service Kit Cam Tube 16.5

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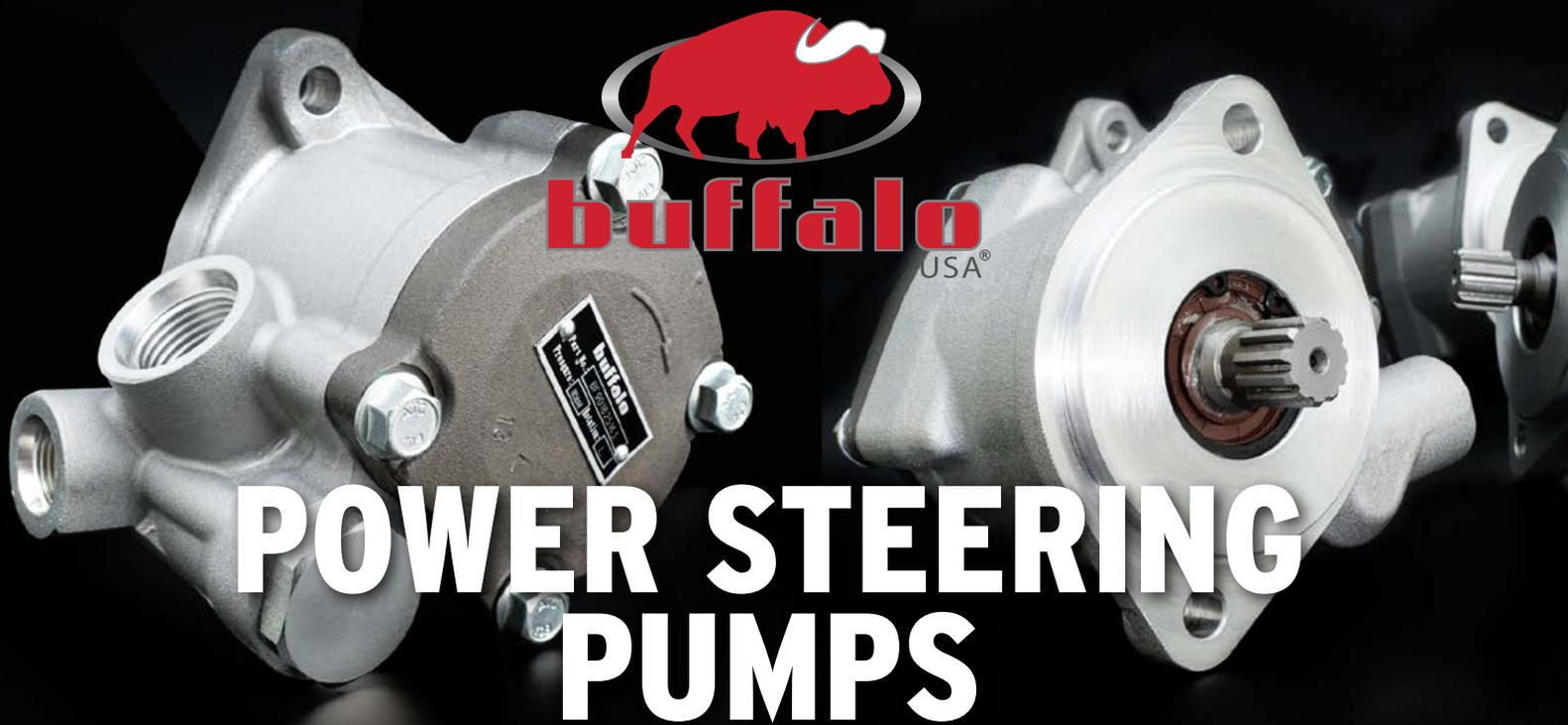
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PART No	DESCRIPTION
<b>S21699</b>	Shock Absorber
<b>S23743</b>	Shock Absorber
<b>56946000</b>	Spring
<b>30057007L</b>	Spring Eye Bushing
<b>30057008L</b>	Spring Eye Bushing
<b>43146000L</b>	Spring Eye Pin Kit - Boxed
<b>64633000</b>	Support Beam Quick Align Concentric Collar
<b>32365000</b>	Thrust Washer
<b>66661000H</b>	Torque Rod
<b>44694000L</b>	Torque Rod Bushing
<b>44697000L</b>	Torque Rod Bushing
<b>46735000L</b>	Torque Rod Bushing
<b>66610000H</b>	Torque Rod Bushing
<b>66649002L</b>	Torque Rod Bushing
<b>66649004L</b>	Torque Rod Bushing
<b>64473000</b>	Torque Rod Tube End
<b>47691000L</b>	Trod Bushing
<b>60826000</b>	Valve Control HT



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# POWER STEERING PUMPS

MODEL	BAR	INLET	OUTLET	ROTATION	FLOW	NOMINAL DISPLACEMENT	PART No	PHOTO
<b>CATERPILLAR</b>								
3116/3126	150	M27X 2-6H	M18 X 1.5-6H	Left	16 L/MIN	17 CC	BF911555301	1
3406E	160	1 5/16- 12UN	3/4-16UNF	Left	14 L/MIN	21 CC	BF901691101	2
3406E	150	1 1/16-12UNF	3/4-16UNF	Left	28 L/MIN	28 CC	BF901516153	3
C13, 3406E - Freightliner FL Class, Peterbilt 387 & Sterling Models	150	1 1/16-12UN	3/4-16UNF	Right	16.0 L/MIN	23.0 CC	BF901416154	4
<b>CHEVROLET / GMC</b>								
Chevrolet Medium Truck Kodiak Top Kick B6, B7, C5, C6, C7, C6500, C7500, School Bus / Engines Cat. 3116 6.6L (Colombian Applications Only)	120	Ø20.6 MM	M20 X 1.5-6H	Left	10 L/MIN	10.5 CC	BF15627990	5
Chevrolet Medium Truck Kodiak Top Kick C6, C7, C6500, C7500 / Engines Cat. 3116 (1 Tube Pump) (USA Applications Only)	130	Ø21 MM	M16 X 1.5-6H	Left	9 L/MIN	16 CC	BF15975435	6
<b>CUMMINS</b>								
4BT, 6BT	140	M30 X 2	M20 X 1.5	Right	15 L/MIN	18 CC	BF911483102	7
6BT 5.9	140	M30 X 2	M20 X 1.5	Right	16 L/MIN	15.77 CC	BF3406A010B	8
6BTA, L10, M11	160	1 5/16- 12UN	3/4-16UNF	Left	14 L/MIN	21 CC	BF901691101	2
6BTAA	140	M30 X 1.5	M20 X 1.5	Right	18 L/MIN	16 CC	BF901403406	9
6CT	165	1 1/16-12UN	3/4-16UNF	Right	18 L/MIN	19 CC	BF911655343	10
6CT 8.3	130	M22 X 1.5	M20 X 1.5	Right	15 L/MIN	16 CC	BF3406Z07010A	11
C10/C12/ Big Cam, 6BT for Kenworth, Freightliner	163	M26 X 1.5-6H	M18-1.5-6H	Right	16 L/MIN	21 CC	BF901636032 <sup>SO</sup>	12
ISC / ISM / ISX	150	1 1/16-12UN-2B	3/4-16UNF-2B	Left	24 L/MIN	36 CC	BF901536241	13
ISM Eng. / International 8600	163	1 1/16-12UN-2B	3/4-16UNF-2B	Left	16 L/MIN	25 CC	BF901765911	14

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MODEL	BAR	INLET	OUTLET	ROTATION	FLOW	NOMINAL DISPLACEMENT	PART No	PHOTO
<b>CUMMINS</b>								
ISM-M11	150	1 1/16-12UN-2B	3/4-16UNF-2B	Left	22,5 L/MIN	21 CC	BF901520675	15
ISX Freightliner FL Class, Peterbilt 387 & Sterling Models	150	1 1/16-12UN	3/4-16UNF	Right	16.0 L/MIN	23.0 CC	BF901416154	4
ISX	150	1 1/16-12UN-2B	3/4-16UNF-2B	Right	24 L/MIN	32 CC	BF901532242	16
ISX	163	1 1/16-12UN-2B	3/4-16UNF-2B	Right	17 L/MIN	25 CC	BF901607262	17
ISX	185	1 1/16-12UN-2B	3/4-12UNF-2B	Right	16 L/MIN	23 CC	BF901822162	18
NTC 350, Kenworth	150	1 5/16-12UN	3/4-16UNF	Right	22,5 L/MIN	21 CC	BF5420248100	19
Signature	150	1 1/16-12UN-2B	3/4-16UNF-2B	Right	16 L/MIN	25 CC	BF901508216 <b>SO</b>	20
Signature, N14	150	1 1/16-12UN-2B	3/4-16UNF-2B	Right	15 L/MIN	17.5 CC	BF901567502	21
Type C10, C12, NTC, N14, Freightliner	120	1 5/16- 12UN	3/4-16UNF	Right	14 L/MIN	17.5 CC	BF5420239100	22
<b>DETROIT DIESEL</b>								
Freightliner 60 DDA Century, Columbia, FLD & M2 Class	145	1 1/16-12UN	3/4-16UNF	Left	16 L/MIN	23 CC	BF901416151	23
Freightliner FLD120, Detroit 12.7L	150	1 1/16-12UN-2B	3/4-16UNF-2B	Left	16 L/MIN	25 CC	BF901516151	24
Freightliner Cascadia DD15	180	1 1/16-12UN	3/4-16UNF	Left	16 L/MIN	18 CC	BF901816181	25
Series 60	150	1 1/16-12UN	3/4-16UNF	Left	15 L/MIN	21 CC	BF5420172100	26
Series 60	150	1 5/16-12UN	3/4-16UNF	Left	14 L/MIN	21 CC	BF5420176100	27
<b>FORD</b>								
AS700-900	105	Ø11 MM	M16 X 1.5	Right	13 L/MIN	18 CC	BF7841933	28
Cargo 815	0	Ø19 MM	3/4-16UNF-2A	Right	9 L/MIN	17 CC	BF910959052 <b>SO</b>	29
<b>FOTON</b>								
Foton and JAC Trucks	90	Ø17.5	M20 X 1.5	Left	10 L/MIN	16 CC	BF920992521	30
<b>HINO</b>								
E0120/J08E	130	Ø18 MM	M16 X 1.5-6H	Right	11 L/MIN	14.5 CC	BF921344352	31
H07C	100	M22 X 1.5	M16 X 1.5	Right	8 L/MIN	14.33 CC	BF921019302	32
H07C Bus	100	M22 X 1.5	M16 X 1.5	Right	10 L/MIN	13.6 CC	BF921019902	33
J05C	130	Ø29.3 MM	M16 X 1.5-6H	Left	17 L/MIN	14.5 CC	BF921322421	34
J08C Bus	125	Ø16 MM	M16 X 1.5	Left	8 L/MIN	13.6 CC	BF921201021 <b>SO</b>	35
J08C w/Screw Hole	130	Ø20 MM	M16 X 1.5	Left	16 L/MIN	20 CC	BF921327901	36
<b>INTERNATIONAL</b>								
Agrale - T8500/9500 MWM	0	Ø21 MM	3/4-16UNF-2A	Left	10 L/MIN	15 CC	BF5420045100	37
Agrale 4.10	0	Ø21 MM	3/4-16UNF	Left	12 L/MIN	15 CC	BF911059221 <b>SO</b>	38
IHC 9200-0, Kenworth	165	1 5/16-12UN	3/4-18UNF	Right	25 L/MIN	25 CC	BF5420130100	39
International	165	1 1/16-12UN	3/4-16UNF	Right	25 L/MIN	25 CC	BF5420267100 <b>SO</b>	40
International	165	1 1/16-12UN	3/4-12UNF	Left	16 L/MIN	21 CC	BF5420273100	41
International	165	1 1/16-12UN	3/4-16UNF	Right	15 L/MIN	21 CC	BF5420320100	42
<b>ISUZU</b>								
4BDIT / 4BC2	100	Ø18 MM	G3/8	Right	10 L/MIN	12 CC	BF443061160QA	43
4HF1 NPR Model 2000	100	Ø17.5 MM	M12 X 1.25	Left	8 L/MIN	7 CC	BF921051341	44

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<b>ISUZU</b>								
4HK1-TCN NPR/NQR Reward	110	Ø17 MM	M12 X 1.25-6G	Left	8 L/MIN	8.5 CC	BF921179341 <b>SO</b>	45
4HK1 FRR	130	Ø14 MM	G3/8-19	Left	9 L/MIN	12 CC	BF921363611 <b>NEW</b>	46
4JA1 D'Max 2,5 lts.	90	Ø16.7 MM	M12 X 1.25-6G	Right	7 L/MIN	7.2 CC	BF929584738 <b>SO</b>	47
4JB1 NKR	98	Ø17.5 MM	M16 X 1.5	Right	7 L/MIN	7.2 CC	BF921019992	48
4JG2, 4JJ1 D'Max 3.0 lts.	100	Ø12.5 MM	M16 X 1.5	Right	7 L/MIN	7.2 CC	BF921046694	49
6HK1 Chevrolet FVR FTR Forward 2012-2020	140	Ø20 MM	M20 X 1.5	Left	15 L/MIN	15 CC	BF921462911 <b>NEW</b>	50
6HH1 (2 Holes)	85	Ø17 MM	M16 X 1.5	Left	7 L/MIN	9 CC	BF928500415	51
<b>MERCEDES</b>								
Actros / Antos / Arocs / Axor and Mercedes-Benz O 500-Series / Setra S 400-/ S 500-Series	180	M26 X 1.5	M16 X 1.5	Right	20 L/MIN	18 CC	BF901808884	52
Actroz 2632	180	M26 X 1.5	M18 X1.5	Right	20 L/MIN	18 CC	BF901848102 <b>SO</b>	53
Mercedes-Benz Actros MP2/MP3, Travego O 580 / Neoplan Skyliner, Starliner / Setra Series 400	180	M26 X 1.5	M16X1.5	Right	20 L/MIN	18 CC	BF901808802 <b>SO</b>	54
Freightliner FL60-80 w/ Mercedes Eng.	150	11/16-12UN	3/4-16UNF	Left	19 L/MIN	25 CC	BF901559101	55
M/Benz	0	M26 X 1.5	M16 X 1.5	Left	17 L/MIN	17 CC	BF7684955184	56
<b>MITSUBISHI</b>								
Canter 4D33/34	90	Ø18 MM	M12 X 1.25	Left	6 L/MIN	9.5 CC	BF920903701 <b>SO</b>	57
<b>NISSAN</b>								
180 FE6	105	Ø12 MM	G3/8-19	Right	12 L/MIN	14.33 CC	BF921056602	58
200 FE6	120	Ø14 MM	M20 X 1.5	Right	10 L/MIN	12.8 CC	BF921255012 <b>SO</b>	59
Nissan FD42	120	Ø17 MM	M16 X 1.5-6H	Right	7 L/MIN	9.6 CC	BF921200042	60
Nissan Frontier With Tube & Pinion	80	Ø17 MM	M16 X 1.5-6H	Right	7 L/MIN	12 CC	BF920807004	61
<b>SAGINAW</b>								
300 Series	105	Ø11 MM	M16 X 1.5	Right	13 L/MIN	18 CC	BF7841933	28
<b>TOYOTA</b>								
Hilux 1KD/Innova	80	Ø16 MM	M16 X 1.5	Right	7 L/MIN	7.2 CC	BF4431035610	62
Land Cruiser	85	Ø22 MM	M16 X 1.5	Right	7 L/MIN	14.33 CC	BF4432060220	63
Super Delta/Daihatsu 14B	100	Ø22 MM	M16 X 1.5	Right	7 L/MIN	14.33 CC	BF921087304	64
<b>UNIVERSAL</b>								
Jeep Dodge 100/300, Ford, & Universal Use	75	Ø11 MM	M16 X 1.5	Right	9 L/MIN	14.33 CC	BF937534102	65
<b>VICKERS</b>								
Vickers	120	NPT 1	3/4-16UNF	Right	20 L/MIN	22.8 CC	BFV10F1P7P38D5	66
Vickers	140	NPT 1 1/4	3/4-16UNF	Right	22.5 L/MIN	29.7 CC	BFV20F	67
<b>VOLKSWAGEN</b>								
VW / TH17145157	0	Ø21 MM	3/4-12UNF-2A	Right	15 L/MIN	21 CC	BF911575962 <b>SO</b>	68
VW / ZR0 145 157	0	Ø21 MM	3/4-12UNF-2A	Left	8 L/MIN	17.5 CC	BF918758161	69

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<b>CARTRIDGES</b>								
Chevrolet B60/C70, Dodge D600, For Pump BF7841933							BF3736348	70
Luk, For Pump BF5420172100		Dimensions: 63.4 x 23.43 x 23T x 10H					BF54200L <sup>SO</sup>	71
Luk, For Pump BF54202481000		Dimensions: 63.4 x 23.43 x 23T x 10H					BF54200R	72
<b>KITS</b>								
Kit For Pump BFV10F1P7P38D5							BFV10KIT	73
Kit For Pump BFV20F							BFV20KIT	74



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<p><b>BF901607262</b></p>  <p>17</p>	<p><b>BF901822162</b></p>  <p>18</p>	<p><b>BF5420248100</b></p>  <p>19</p>	<p><b>BF901508216</b></p>  <p>20</p>
<p><b>BF901567502</b></p>  <p>21</p>	<p><b>BF5420239100</b></p>  <p>22</p>	<p><b>BF901416151</b></p>  <p>23</p>	<p><b>BF901516151</b></p>  <p>24</p>
<p><b>BF901816181</b></p>  <p>25</p>	<p><b>BF5420172100</b></p>  <p>26</p>	<p><b>BF5420176100</b></p>  <p>27</p>	<p><b>BF7841933</b></p>  <p>28</p>
<p><b>BF910959052</b></p>  <p>29</p>	<p><b>BF920992521</b></p>  <p>30</p>	<p><b>BF921344352</b></p>  <p>31</p>	<p><b>BF921019302</b></p>  <p>32</p>
<p><b>BF921019902</b></p>  <p>33</p>	<p><b>BF921322421</b></p>  <p>34</p>	<p><b>BF921201021</b></p>  <p>35</p>	<p><b>BF921327901</b></p>  <p>36</p>
<p><b>BF5420045100</b></p>  <p>37</p>	<p><b>BF911059221</b></p>  <p>38</p>	<p><b>BF5420130100</b></p>  <p>39</p>	<p><b>BF5420267100</b></p>  <p>40</p>

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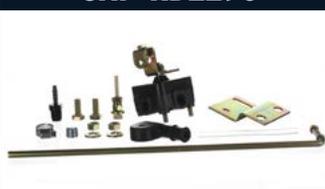
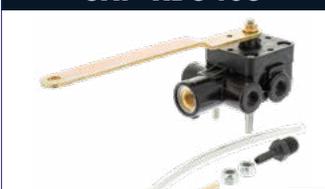
<p><b>BF5420273100</b></p>  <p>41</p>	<p><b>BF5420320100</b></p>  <p>42</p>	<p><b>BF4430611600A</b></p>  <p>43</p>	<p><b>BF921051341</b></p>  <p>44</p>
<p><b>BF921179341</b></p>  <p>45</p>	<p><b>BF921363611</b></p> <p><b>NEW</b></p>  <p>46</p>	<p><b>BF929584738</b></p>  <p>47</p>	<p><b>BF921019992</b></p>  <p>48</p>
<p><b>BF921046694</b></p>  <p>49</p>	<p><b>BF921462911</b></p> <p><b>NEW</b></p>  <p>50</p>	<p><b>BF928500415</b></p>  <p>51</p>	<p><b>BF901808884</b></p>  <p>52</p>
<p><b>BF901848102</b></p>  <p>53</p>	<p><b>BF901808802</b></p>  <p>54</p>	<p><b>BF901559101</b></p>  <p>55</p>	<p><b>BF7684955184</b></p>  <p>56</p>
<p><b>BF920903701</b></p>  <p>57</p>	<p><b>BF921056602</b></p>  <p>58</p>	<p><b>BF921255012</b></p>  <p>59</p>	<p><b>BF921200042</b></p>  <p>60</p>
<p><b>BF920807004</b></p>  <p>61</p>	<p><b>BF4431035610</b></p>  <p>62</p>	<p><b>BF4432060220</b></p>  <p>63</p>	<p><b>BF921087304</b></p>  <p>64</p>

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<p><b>BF937534102</b></p>  <p>65</p>	<p><b>BFV10F1P7P38D5</b></p>  <p>66</p>	<p><b>BFV20F</b></p>  <p>67</p>	<p><b>BF911575962</b></p>  <p>68</p>
<p><b>BF918758161</b></p>  <p>69</p>	<p><b>BF3736348</b></p>  <p>70</p>	<p><b>BF54200L</b></p>  <p>71</p>	<p><b>BF54200R</b></p>  <p>72</p>
<p><b>BFV10KIT</b></p>  <p>73</p>	<p><b>BFV20KIT</b></p>  <p>74</p>		

## HEIGHT CONTROL VALVES

SAP-KD2204	SAP-KD2205	SAP-KD2261	SAP-KD2262
 <p><b>NEW</b></p>	 <p><b>NEW</b></p>	 <p><b>NEW</b></p>	 <p><b>NEW</b></p>
<p>Height Control Leveling Valve for Freightliner W/O Dump Barksdale KD2204</p>	<p>Height Control Valve for Freightliner, Volvo W/Integral Dump Barksdale KD2205</p>	<p>Height Control Valve for Freightliner - Cab w/ 6.25" Arm Barksdale KD2261</p>	<p>Height Control Valve for Freightliner - Cab w/ 2.75 in. Arm Barksdale KD2262</p>
SAP-KD2290	SAP-KD3403	SAP-KN27000	SAP-S4640070040
 <p><b>NEW</b></p>	 <p><b>NEW</b></p>		
<p>Height Control Leveling Valve W/Linkage Kit for Freightliner Barksdale KD2290</p>	<p>Height Control Valve for HDR Suspension w/7.00 in. Arm Barksdale KD3403</p>	<p>EGP Standard Flow Leveling Valve Kit All Ports 1/4" NPT Horizontal Arm: Length 12" Vertical Arm: Length 14" Haldex KN27000</p>	<p>Cab. Height Control Valve Supply Port (1) 1/4" Suspension Port (1) No Ball Stud with 200mm 7-7/8" Lever Arm Wabco S4640070040</p>
SAP-VS227	SAP14120L	SAP40000L	SAP90054007
 <p><b>NEW</b></p>		 <p><b>SO</b></p>	
<p>Height Control Valve for Trailer w/ HDR Suspension Non-Delay - 1/4" PTC 3-Port Hendrickson VS-227</p>	<p>Leveling Valve European Application Knorr Bremse SV1412</p>	<p>Wabco Leveling Valve European Application Mercedes, Man, Scania Wabco 464004000</p>	<p>Controlled Response Height Control Valve All Ports 1/8" NPT Fittings Provided 1/4" Haldex 90054007</p>

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HEIGHT CONTROL VALVES			
<b>660073403</b>	<b>KD2204</b>	<b>KD2205</b>	<b>KD2261</b>
Barksdale® Height Control Leveling Valve w/ 7.00" Arm Hendrickson 57977	Barksdale® Height Control Leveling Valve for Freightliner	Barksdale® Height Control Leveling Valve for Freightliner, Volvo	Barksdale® Height Control Valve - Cab w/ 6.25" Arm
<b>KD2262</b>	<b>KD2290</b>	<b>KD2291</b>	<b>KD2294</b>
Barksdale® Height Control Valve - Cab w/ 2.75 in. Arm	Barksdale® Height Control Leveling Valve With Linkage Kit for Freightliner	Barksdale® Height Control Leveling Valve for Freightliner w/ 6.00" Arm	Barksdale® Height Control Leveling Valve for Freightliner
<b>KD2510</b>			
Barksdale® Height Control Leveling Valve for Freightliner Cab Mount P3			

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## DRAGLINKS FOR ASIAN TRUCKS

### BF0E0061



Hino 500 Series FC/FCFC9JGTZ  
Replaces 45440-E0061

### BF0E0142



Hino 300/500 GD8  
Replaces 45440-E0142

### BF097000



Hino JOE8 MGH 15 Ton  
Replaces 45440-9700

### BF70160



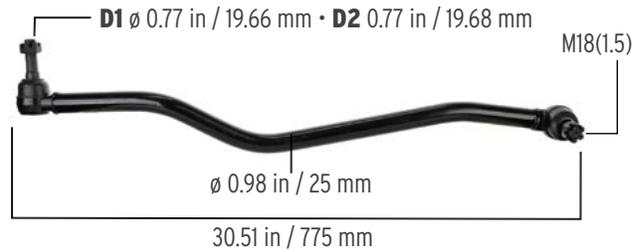
Isuzu NPR/4HG1 98-11  
Replaces 8-97170160-0

### BF70721 **NEW**



Isuzu NKR NNR 3000 Euro II, IV 4JJ1 12-21  
Replaces 8-98022-072-1

### BF70942 **NEW**



Isuzu NPR NQR Euro II, IV 4HK1 12-21  
Replaces 8-98006-794-2

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## DRAGLINKS FOR ASIAN TRUCKS

### BF73030



Isuzu FRR 4HK1 2012-2020

Replaces 1-44380-303-0

### BF73072



Isuzu FTR FVR 6HK1 2012-2020

Replaces 1-44380-307-2

### BF75323



Isuzu NKR 55 98-11

Replaces 8-97175323-0

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## DRAGLINKS FOR AMERICAN TRUCKS

### BF71958 **NEW**



International S-SERIES MEDIUM DUTY MODELS  
Replaces DL2360, E-5366, FDL979, R250051, DS979, SP721583, L20VU8009B11, L20VU80C9A11

### BF71986 **NEW**



Kenworth W900 (One Side Adjustable)  
Replaces E-5379, FDL993, K162311, R225056, 346-263, DS993 SP724126, L24VT8565B11, L28VT5311A12

### BF72358 **NEW**



Peterbilt 200, 252, 282, 289, 300, 348, 352/H, 353, 359, 378, 379  
REPLACES 346370, E-6818, R250067, S-E393, 10-02498, DS1179 L24VU7050B11, L24VU8000G11

### BF72372 **NEW**



International & Kenworth T400, T450, T600, T602B, T603, T800  
Replaces 346-377, FDL1186, R250088, WADS1186, S-17354 K162-587, DS1186, L24VU7061A12, L24VU8008A11, L24VU8008B11

### BF72440 **NEW**



Freightliner FLD & International  
Replaces 346-388, E-9891, FDL1220, 14-10281-000, R250122 WADS1220, S-13715, DS1220, L24VU7038A11

### BF72552 **NEW**



Freightliner Cascadia, Columbia, Columbia 120, FLD  
Replaces 346-421, E-9903, 14-12349-000, A14-12349-000 WADS1276, S-13717, L24VU7116A11

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## DRAGLINKS FOR AMERICAN TRUCKS

**BF72560** **NEW**



International, Kenworth W900, W900L, / Peterbilt, Volvo  
 Replaces 346-520, FDL1280, WADS1280, S-18039, DS1280  
 DLP1539B, L24VU8036A11

**BF75168** **NEW**



Kenworth T600, T660, T700, T800 and Peterbilt 384, 386, 387  
 Replaces 346-535, DS7584, L24VU8445A11, S-22084, WADS7584

**BF77022** **NEW**



Kenworth T600, T800 (One Side Adjustable)  
 Replaces 13QC3257AP2, 29013287, L24VT803511

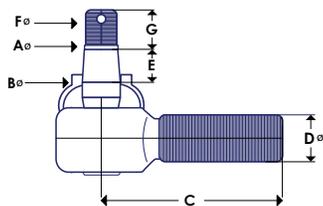
**BF79238** **NEW**



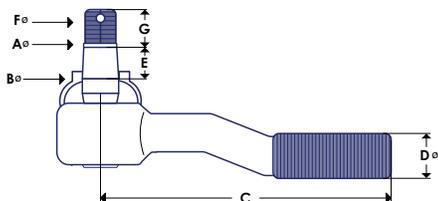
Freightliner C112, C120, Columbia, FL112  
 RepLACES 346-521, 14-12479-000, 14-17273-000, A14-12479-000  
 WADS4619B, S-13538, L24VU8119A11, L24VU8119B11

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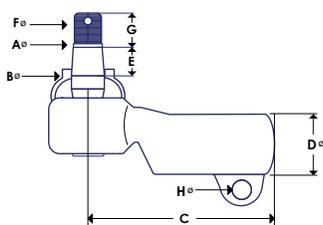
## STYLE 1



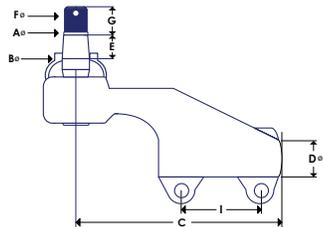
## STYLE 3



## STYLE 4



## STYLE 5



- A**- Taper Small Diameter
- B**- Taper Large Diameter
- C**- Socket Length
- D**- Socket Thread
- E**- Taper Length
- F**- Stud Thread
- G**- Stud Length
- H**- Hole Diameter
- I**- Length

## TIE ROD ENDS DIMENSIONS

PART No	STYLE	AØ (in.)	BØ (in.)	C (in.)	DØ (in./mm.)	E (in.)	FØ (in./mm.)	G (in.)	HØ (mm.)	I (in.)
BF-00Z79LR <sup>SO</sup>	5	1.082	1.210	6.771	M56(P1.5)LR	1.338	M24(P1.5)	1.062		
BF-N2015LR	1	0.755	0.874	4.330	M30(P1.5)LR	0.944	5/8(18)	0.944		
ES142LR	1	0.783	0.872	3.740	1-16UNF-LR	0.709	M18(1.5)	0.826		
ES187LR	1	0.966	1.104	4.881	1 1/8-12UNF-LR	1.102	7/8(14)UNF	1.141		
ES2035-36LR <sup>SO</sup>	1	0.783	0.911	6.062	1-16UNF-LR	0.944	3/4(16)UNF	0.905		

<sup>SO</sup>: Special Order Item. Please contact your sales representative for more information of how to order this item.

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PART No	STYLE	AØ (in.)	BØ (in.)	C (in.)	DØ (in./mm.)	E (in.)	FØ (in./mm.)	G (in.)	HØ (mm.)	I (in.)
ES2061-62LR	1	0.779	0.901	4.984	1-16LRE	0.984	3/4(16)	0.885		
ES2069-70LR	1	0.895	1.033	4.881	1 1/8-12LRE	1.102	3/4(16)	1.220		
ES2090-91LR	1	1.078	1.255	7.362	1 1/4-12LRE	1.417	7/8(14)	1.259		
ES3030-31LR	3	1.078	1.255	12.795	1 7/8-12LRE	1.417	7/8(14)	1.259		
ES3252R <sup>SO</sup>	1		1.252	5.748	1 1/4-12LR					
ES3274-75LR	1	1.039	1.187	5.393	1 1/8-12LRE	1.181	7/8(14)UNF	1.181		
ES3297-98LR	3	0.967	1.102	8.125	1 1/4-12LR	1.100	7/8(14)			
ES346LR	1	1.078	1.255	5.748	1 1/4-12LRE	1.417	7/8(14)	1.259		
ES3476-77LR	1	0.966	1.104	6.259	1 1/8-12LRE	1.102	7/8(14)	1.141		
ES373LR	1	0.782	0.900	4.448	1-16LRE	0.945	3/4(16)	0.905		
ES411LR	1	0.966	1.104	9.173	1 1/8-12LR	1.102	7/8(14)	1.141		
ES423LR	1	0.966	1.104	5.393	1 1/8-12LR	1.102	7/8(14)	1.141		
ES431LR	1	1.078	1.255	5.748	1 1/4-12LRE	1.417	7/8(14)	1.259		
ES653LR	1	0.757	0.870	4.566	M28(P1.5)LR	0.906	M18(P1.5)	0.984		
ES844LR <sup>SO</sup>	1	1.078	1.255	5.393	1 1/8-12LRE		7/8(14)	1.259		
SE0390LR	1	0.771	0.872	4.921	M25(P1.5)LR	1.181	M18(P1.5)	0.866		
SE1341LR <sup>SO</sup>	1	0.696	0.815	4.133	M18(P1.5)LR	0.945	M16(P1.5)	0.826		
SE1550LR	5	1.003		8.070	M44(P2)LR		M20(P1.5)	0.866		3.149
SE1590LR	4	0.779		4.448	M27(P1.5)LR		M18(P1.5)		M13(P1)	
SE1710LR	4	0.779		4.960	M32(P1.5)LR		M18(P1.5)		M12.5	
SE2205LR <b>NEW</b>	1	0.771		4.921	M25(P1.5)LR		M18(P1.5)			
SE-T231LR <b>NEW</b>	1	0.795		5.118	M22(P1.5)LR		M18(P1.5)			
SE2361LR	1	0.646	0.709	3.740	M21(P1.5)LR	0.630	M14(P1.5)	0.787		
SE3080LR	1	0.688	0.767	3.740	M24(P1.5)LR	0.787	M16(P1.5)	1.023		
SE3181LR	1	0.646	0.709	3.740	M20(P1.5)LR	0.630	M14(P1.5)	0.787		
SE5171LR	1	0.708	0.795	4.133	M20(P1.5)LR	0.866	M16(P1.5)	1.102		
SE5321LR	1	0.700	0.818	3.740	M20(P1.5)LR	0.945	M16(P1.5)	1.023		
SE7417LR <b>NEW</b>	4	0.799		4.448	M27(P1.5)LR		M16(P1.5)		M12.5	
SE7418LR <b>NEW</b>	5	0.980	1.259	7.677	M52(P1.5)LR	1.259	M24(P2)	1.102		2.362
SE7831LR	1	0.728	0.822	5.629	M22(P1.5)LR	0.945	M14(P1.5)	0.944		

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**BF-0079LR**



**BF-N2015LR**



**ES142LR**



**ES187LR**



**ES2061-62LR**



**ES2069-70LR**



**ES2090-91LR**



**ES3030-31LR**



**ES3252R**



**ES3274-75LR**



**ES3297-98LR**



**ES346LR**



**ES3476-77LR**



**ES373LR**



**ES411LR**



**ES423LR**



**ES431LR**



**ES653LR**



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<p><b>ES844LR</b></p> 	<p><b>SE0390LR</b></p> 	<p><b>SE1341LR</b></p> 
<p><b>SE1550LR</b></p> 	<p><b>SE1590LR</b></p> 	<p><b>SE1710LR</b></p> 
<p><b>SE2205LR</b> <span style="background-color: red; color: white; padding: 2px;">NEW</span></p> 	<p><b>SE-T231LR</b> <span style="background-color: red; color: white; padding: 2px;">NEW</span></p> 	<p><b>SE2361LR</b></p> 
<p><b>SE3080LR</b></p> 	<p><b>SE3181LR</b></p> 	<p><b>SE5171LR</b></p> 
<p><b>SE5321LR</b></p> 	<p><b>SE7417LR</b> <span style="background-color: red; color: white; padding: 2px;">NEW</span></p> 	<p><b>SE7418LR</b> <span style="background-color: red; color: white; padding: 2px;">NEW</span></p> 
<p><b>SE7831LR</b></p> 		

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YEAR	MODEL	AXLE	PART No
<b>AGRALE</b>			
	Volare Micro Onibus, MA 5.5, 7.0, 7.5, 8.5, 4500, 5000, 5010, 7000, 7500, 9200		ES653LR

<b>CHEVROLET</b>				
48-59	1 TON	F,G,K	ES142LR	
48-55		FU,GU,HU,KU,M	ES142LR	
61-67		P20	ES142LR	
60-63		P33,P35,P36	ES142LR	
73-92	B60, B6P	7000	ES2061-62LR	
90-00	B7T	11000	ES3274-75LR	
90-00		9000	ES3274-75LR	
79-87	Bison	12000	ES423LR	
79-88		16000	ES431LR	
79-88		16000	ES2090-91LR	
79-88		16000	ES3030-31LR	
79-87		18000	ES431LR	
79-87		18000	ES2090-91LR	
79-87		18000	ES3030-31LR	
70-72		Bruin	12000	ES187LR
79-88			12000	ES423LR
79-88			13200	ES423LR
73-78	16000		ES431LR	
79-88	16000		ES2090-91LR	
79-88	16000		ES3030-31LR	
73-78	18000		ES431LR	
79-88	18000		ES2090-91LR	
79-88	18000		ES3030-31LR	
79-88	7000		ES2061-62LR	
73-92	C60, C6D		5000	ES2061-62LR
73-90			7000	ES2061-62LR
90-99	C70, C7D, C7H Kodiak		11000	ES3274-75LR
90-99			12000	ES3274-75LR
90-00		14000	ES3274-75LR	
90-00		9000	ES3274-75LR	
93-00	C70, CD7, C7H Kodiak	16000	ES2090-91LR	
79-90		7000	ES2061-62LR	
83-87		8100	ES2061-62LR	
70-72	D90, F90	12000	ES187LR	
73-78	D90, F90, H70, H80, H90, J80, M90	16000	ES431LR	
73-78		18000	ES431LR	
73-78	D90, F90, H70, H90, J80	16000	ES2090-91LR	
78	H70, J70, T70	7000	ES2061-62LR	
70-72	H90	12000	ES187LR	
66-78	J70	16000	ES431LR	

YEAR	MODEL	AXLE	PART No
<b>CHEVROLET</b>			
73-78	J70	18000	ES431LR
73-78	M60	5000	ES2061-62LR
73-78		7000	ES2061-62LR
70-72	M90	12000	ES187LR
73-78		16000	ES3030-31LR
79-90	P40	7000	ES2061-62LR
92-96	P60	11000	ES3274-75LR
83-90		12000	ES2069-70LR
83-90		5000	ES2061-62LR
83-90		7000	ES2061-62LR
83-90		9000	ES2069-70LR
92-96	P6S	11000	ES3274-75LR
73-79	S60	5000	ES2061-62LR
73-79		7000	ES2061-62LR
87-90	S70, S7T	13200	ES423LR
97-99	T5500, T6500, T7500, T8500	11000	ES3274-75LR
97-99		12000	ES3274-75LR
97-99		14600	ES3274-75LR
79-88	Titan	12000	ES423LR
79-88		16000	ES423LR

<b>DAIHATSU</b>			
84-	Delta		SE3181LR
	Delta S05C		SET231LR

<b>DODGE</b>			
60-73	C1000	12000	ES187LR
60-76		9000	ES187LR
63-69	C700	12000	ES187LR
61-69		9000	ES187LR
60-73	C800	12000	ES187LR
60-77		9000	ES187LR
74-77	C800, C900	12000	ES423LR
60-73	C850	12000	ES187LR
60-73		15000	ES187LR
60-76		9000	ES187LR
61-77	C900	12000	ES187LR
61-77		15000	ES187LR
61-77		9000	ES187LR
74-75	CN800, CNT800	12000	ES423LR
74-75		9000	ES187LR
69-75	CN900, CNT900, CT900	12000	ES187LR
69-73		15000	ES187LR
69-76		9000	ES187LR

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YEAR	MODEL	AXLE	PART No
<b>DODGE</b>			
60-71	CT700	12000	ES187LR
60-71		9000	ES187LR
60-73	CT800	12000	ES187LR
74-75		12000	ES423LR
60-73		15000	ES187LR
60-76		9000	ES187LR
72-77	D1000	12000	ES187LR
72-77		16000	ES431LR
72-77		9000	ES187LR
63-71	D700	9000	ES187LR
63-68	D800	11000	ES187LR
63-77		9000	ES187LR
73-75	DN1000, DNT1000	12000	ES187LR
63-68	L700	11000	ES187LR
66-71		12000	ES187LR
69-71		9000	ES187LR
63-68	LN1000, LNT1000, LV1000, LVT1000	11000	ES187LR
69-71		12000	ES187LR
63-73		15000	ES187LR
63-71		9000	ES187LR

<b>EATON</b>			
	E-1000I, E-1000W, E1002I, E-1002W	10000	ES3476-77LR
	E-1200I, E-1200W, E-1201W, E-1202I, E-1202W, E1203I	12000	ES3476-77LR
	E-1320I, E-1320W, E-1322I, E-1322W	13200	ES3476-77LR
	E-1322I, E-1322W	13200	ES2090-91LR
	E-1460I, E-1460W, E1462I, E-1462W	14600	ES2090-91LR
	EFA-12F3	12000	ES423LR
	EFA-12F4	12000	ES423LR
	EFA-13F5	13200	ES423LR
	EFA-18F3	18000	ES2090-91LR
	EFA-20F4	20000	ES2090-91LR
	EFA-22T2, EFA-22T5	20000	ES2090-91LR
	EFA-24T2, EFA-24T5	24000	ES2090-91LR

<b>FORD</b>			
96-97	8500 & 9500 Series Louisville 4x2 & 6x4 (New Design)	10000	ES423LR
96-97		12000	ES423LR
96-97		13000	ES423LR
96-97	9500 Series Aeromax 4x2 & 6x4 (New Design)	16000	ES423LR
96-97		18000	ES423LR
96-97		20000	ES423LR

YEAR	MODEL	AXLE	PART No	
<b>FORD</b>				
87-98	B Series 4 x 2 School Bus	10000	ES423LR	
83-97		12000	ES423LR	
73-79		5500	ES373LR	
90-98		6000	ES2061-62LR	
73-83		6000	ES373LR	
90-94		7000	ES2061-62LR	
73-89		7000	ES373LR	
73-79		9000	ES187LR	
90-98		B600, B6000, B700, B750, B7000	6000	ES2035-36LR
90-94			7000	ES2035-36LR
80-92	7500		ES2035-36LR	
84-98	8000		ES2035-36LR	
75-94		9000	ES2035-36LR	
07-10	Cargo 712		BF-N2015LR	
95-00	Cargo 814		BF-N2015LR	
01-10	Cargo 815		BF-N2015LR	
02-10	Cargo 915		BF-N2015LR	
90	C & CT Series 4x2 & 6x4 Trucks	10000	ES423LR	
75-90		12000	ES423LR	
64-79		12000	ES431LR	
62-75		14600	ES346LR	
75-90		16000	ES423LR	
64-75		16000	ES431LR	
75-90		18000	ES423LR	
70-79		6000	ES373LR	
70-86		7000	ES373LR	
64-83		9000	ES187LR	
75-89	C500, C550, C600, CT600, C700, CT700, C7000, C750, CT750, C800, C8000, CT800, CT8000, C850, CT850, C900, CT900, C9000, CT9000, C950, CT950, C1000, C1100	7000	ES2035-36LR	
75-90		9000	ES2035-36LR	
90-94	CF600, CF700, CF800, CFT800	9000	ES2035-36LR	
87-98	CF800, CFT800	11000	ES2035-36LR	
86-98		12000	ES2035-36LR	
86-98		13000	ES2035-36LR	
78-91	CL900, CLT900, CL9000, CLT9000	11000	ES423LR	
78-91		12000	ES423LR	
87-98	F & FT Series	10000	ES423LR	
76-91		11000	ES423LR	
61-97		12000	ES423LR	
61-86		12000	ES346LR	
73-79		5000	ES373LR	
73-83		5500	ES373LR	
90-98		6000	ES2061-62LR	

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YEAR	MODEL	AXLE	PART No	
<b>FORD</b>				
73-89	F & FT Series	6000	ES373LR	
90-94		7000	ES2061-62LR	
73-88		7000	ES373LR	
73-79		9000	ES187LR	
67-77	F500	5000	ES373LR	
90-94	F600, F6000, FT600, FT6000, F700, F7000, FT700	6000	ES2035-36LR	
90-94		7000	ES2035-36LR	
87-98		8000	ES2035-36LR	
75-94		9000	ES2035-36LR	
90-94	F800, FT800, F880, F8000, F900, F9000, FT900, FT9000	6000	ES2035-36LR	
90-94		7000	ES2035-36LR	
87-98		8000	ES2035-36LR	
75-94		9000	ES2035-36LR	
64-66	HT950, H1000	12000	ES346LR	
64-66		15000	ES346LR	
64-66		9000	ES187LR	
87-91	L & LT Series Louisville 4x2 & 6x4	10000	ES423LR	
76-91		11000	ES423LR	
70-91		12000	ES423LR	
75-90		16000	ES423LR	
70-75		16000	ES431LR	
75-90		18000	ES423LR	
70-75		18000	ES431LR	
70-75		20000	ES431LR	
67-86		5000	ES373LR	
67-86		5500	ES373LR	
67-90		6000	ES373LR	
70-86		7000	ES373LR	
70-83		9000	ES423LR	
80-94		L800, L8000, L900, L9000 (Includes LN, LNT, LS, LT, LTL and LTS)	7000	ES2035-36LR
75-97			9000	ES2035-36LR
70-73		LN500, LN600, LN700, LN750	5000	ES373LR
70-89			5500	ES373LR
70-97	6000		ES373LR	
70-97	7000		ES373LR	
70-89		9000	ES187LR	
75-97	LN600, LN700, LN750	7000	ES2035-36LR	
75-97		9000	ES2035-36LR	
64-65	N1100	12000	ES346LR	
64-65		9000	ES187LR	
62-69	N850, N950	12000	ES346LR	
64-69	NT850, NT950, N1000	12000	ES346LR	
64-69		15000	ES346LR	

YEAR	MODEL	AXLE	PART No
<b>FORD</b>			
62-69	T850, T950	12000	ES346LR
62-69		15000	ES346LR
64-69		18000	ES346LR
70-75	W900, WT900, W9000, WT9000	12000	ES431LR
73-74		15000	ES431LR

<b>FOTON</b>			
	Ollin		SE3080LR

<b>FREIGHTLINER</b>			
	C112, C120 Century Class, Conventional Cab	12000	ES423LR
		12000	ES3476-77LR
		14600	ES423LR
	FL50, FL60, FL70, MB50, MB60, MB70	10000	ES423LR
		12000	ES423LR
	FL80, FL106, FL112, MB80 Business Class	12000	ES423LR
97-98		14600	ES423LR
	FLA, FLB, FLL Series Cab Over Engine	18000	ES431LR
92-94		12000	ES423LR
		13200	ES423LR
		14600	ES423LR
		16000	ES431LR
		16000	ES2090-91LR
		16000	ES3030-31LR
		18000	ES431LR
		18000	ES2090-91LR
		18000	ES3030-31LR
		20000	ES431LR
		20000	ES2090-91LR
		20000	ES3030-31LR
		24000	ES423LR
	32000	ES431LR	
	32000	ES2090-91LR	
	32000	ES3030-31LR	
	36000	ES431LR	
	36000	ES3030-31LR	
	40000	ES431LR	
	40000	ES3030-31LR	
86-97	FLC112 Series	10000	ES423LR
		12000	ES423LR
		12000	ES3476-77LR
		14600	ES423LR
		16000	ES431LR
		18000	ES431LR

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YEAR	MODEL	AXLE	PART No
<b>FREIGHTLINER</b>			
	FLC112 Series	20000	ES431LR
	FLC112 Series, FLC112SD Severe-Duty	16000	ES2090-91LR
		16000	ES3030-31LR
		18000	ES2090-91LR
		18000	ES3030-31LR
		20000	ES2090-91LR
		20000	ES3030-31LR
89-97	FLC112SD Severe Duty	14600	ES423LR
		16000	ES431LR
		18000	ES431LR
		20000	ES431LR
	FLC120, FLP, FLT Series Cab Over Engine	12000	ES423LR
77-90		14600	ES423LR
		18000	ES431LR
79-90		18000	ES2090-91LR
79-90		18000	ES3030-31LR
	FLD112, FLD120 Conventional Cab	12000	ES423LR
		13200	ES423LR
98		13200	ES3476-77LR
		14600	ES423LR
		16000	ES431LR
		16000	ES2090-91LR
		16000	ES3030-31LR
		18000	ES431LR
		18000	ES2090-91LR
		18000	ES3030-31LR
		20000	ES2090-91LR
		20000	ES3030-31LR
	FLD112SD, FLD120SD Conventional Cab, Severe Duty	12000	ES423LR
		12000	ES3476-77LR
92-94		13200	ES423LR
		13200	ES3476-77LR
		14600	ES423LR
		16000	ES431LR
		16000	ES2090-91LR
		16000	ES3030-31LR
		18000	ES431LR
		18000	ES2090-91LR
	18000	ES3030-31LR	
	20000	ES431LR	
	20000	ES2090-91LR	
	20000	ES3030-31LR	

YEAR	MODEL	AXLE	PART No
<b>FREIGHTLINER</b>			
	FLD132 Classic XL, Conventional Cab	12000	ES3476-77LR
		13200	ES3476-77LR
		14600	ES423LR
		16000	ES431LR
		16000	ES2090-91LR
		16000	ES3030-31LR
		18000	ES431LR
		18000	ES2090-91LR
		18000	ES3030-31LR
		20000	ES431LR
	Other Models Conventional & Cab Over Engine	20000	ES2090-91LR
		20000	ES3030-31LR
		11000	ES187LR
		12000	ES187LR
		12000	ES346LR
		16000	ES2090-91LR
		16000	ES3030-31LR

<b>GMC</b>				
60-67	1/2 TON	P15,P1500	ES142LR	
60-67		P25,P2500	ES142LR	
79-83	Astro, D9K, D9L	16000	ES423LR	
79-83		16000	ES431LR	
79-83		16000	ES2090-91LR	
79-83		16000	ES3030-31LR	
83		18000	ES423LR	
83		18000	ES431LR	
83-97		18000	ES2090-91LR	
83		18000	ES3030-31LR	
79-82		B6000, B6P	6000	ES2061-62LR
79-90			7000	ES2061-62LR
83-92	7500		ES2061-62LR	
90-00	B7T	11000	ES3274-75LR	
90-00		9000	ES3274-75LR	
79-88	Brigadier, J8C, J9C	12000	ES423LR	
79-88		13200	ES423LR	
79-88		16000	ES431LR	
79-88		16000	ES2090-91LR	
79-88		16000	ES3030-31LR	
79-88		18000	ES431LR	
79-88		18000	ES2090-91LR	
79-88		18000	ES3030-31LR	
79-88		18000	ES431LR	
79-88		7000	ES2061-62LR	

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YEAR	MODEL	AXLE	PART No
<b>GMC</b>			
78-90	C5000, C5D Topkick	5000	ES2061-62LR
75-90		7000	ES2061-62LR
73-90	C5500	5000	ES2061-62LR
78-92	C6000, C6D Topkick	5000	ES2061-62LR
78-90		7000	ES2061-62LR
73-90	C6500	7000	ES2061-62LR
90-00		11000	ES3274-75LR
90-99		12000	ES3274-75LR
90-00		14000	ES3274-75LR
93-00		C7500, C7D, C7H Topkick	16000
79-90		7000	ES2061-62LR
83-87		8100	ES2061-62LR
90-00		9000	ES3274-75LR
66-72		D90, D9500	12000
69-78	16000		ES431LR
73-78	16000		ES2090-91LR
73-78	18000		ES431LR
75-78	18000		ES2090-91LR
97-98	F6B, F7B		11000
97-98		14600	ES3274-75LR
73-78	F9500	16000	ES431LR
73-78		16000	ES2090-91LR
73-78		18000	ES431LR
77-88	General	12000	ES423LR
79-88		16000	ES431LR
79-88		16000	ES2090-91LR
79-88		16000	ES3030-31LR
79-88		18000	ES431LR
79-88		18000	ES2090-91LR
79-88		18000	ES3030-31LR
86-87		20000	ES423LR
73-78	H7500, H8500, H9500	16000	ES2090-91LR
73-78	H7500, H8500, H9500, J7500, J8500	16000	ES431LR
73-78		18000	ES431LR
78	H7500, J7500, T6000, T7500	7000	ES2061-62LR
73-78	J7500, M9500	16000	ES3030-31LR
71-78	J9500, M9500	16000	ES431LR
73-78		18000	ES431LR
66-78	M9500	12000	ES187LR
79-90	P4500	5000	ES2061-62LR
79-84		7000	ES2061-62LR

YEAR	MODEL	AXLE	PART No
<b>GMC</b>			
92-96	P6000, P6S, P6T	11000	ES3274-75LR
83-90		5000	ES2061-62LR
83-90		7000	ES2061-62LR
87-90	S7500, S7T	13200	ES423LR
87-92		14600	ES423LR
97	T5500, T6500, T7500	11000	ES3274-75LR
97		12000	ES3274-75LR
97		14600	ES3274-75LR
87-94	W4		SE5171LR

<b>HINO</b>			
FROM 03	FC / FD1J		SE0390LR
2008	Hino 300 Dutro WU300L-HBMS3		SE-T231LR
2011	Hino 300 WU422LHKFTB3		SE2205LR
	Hino 500 (FD1, FD2, FD3)		SE1590LR
	Hino FC3H, GH3 / Toyota Dyna (XZU410)		SE1710LR
	Hino Ranger FD, FF, FT, GD, KD, KG, SD		SE1550LR

<b>INTERNATIONAL</b>			
	EFA-12, EFS-12F3, EFA-12F4, EFA-13F3, EFA-13F5	12000	ES423LR
		13200	ES423LR
	FA101	7500	ES373LR
	FA103	7500	ES373LR
	FA104	8000	ES373LR
	FA105	9000	ES187LR
	FA109, FA109A	9000	ES423LR
		9000	ES411LR
	FA112 Axle	11000	ES187LR
		11000	ES431LR
		11000	ES411LR
		12000	ES187LR
		12000	ES431LR
	FA118, FA309, I90	9000	ES411LR
	FA119, FA337, FA340, FF961	12000	ES411LR
	FA127, FA329, FA337	10800	ES411LR
	FA136	16000	ES431LR
	FA136, FA231	16000	ES2090-91LR
		16000	ES3030-31LR
	FA139	12000	ES187LR
	FA139, FA223, FA224, FA226, FA228, FA231	12000	ES423LR
	FA182	18000	ES431LR
	FA183	20000	ES431LR
	FA208	9000	ES187LR

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YEAR	MODEL	AXLE	PART No
<b>INTERNATIONAL</b>			
	FA209	9000	ES187LR
	FA211	11000	ES187LR
	FA215	12000	ES187LR
	FA231	16000	ES431LR
	FA232	18000	ES431LR
	FA232, FA233, FA238	18000	ES3030-31LR
	FA232, FA238	18000	ES2090-91LR
	FA233	20000	ES431LR
	FA233, FA239	20000	ES2090-91LR
	FA238	18000	ES431LR
		20000	ES431LR
	FA239	20000	ES3030-31LR
		20000	ES411LR
	FA241	32000	ES2090-91LR
	FA242	24000	ES411LR
	FA248	24000	ES411LR
	FA329	10800	ES423LR
	FA337, FA339	12000	ES423LR
	FA342	14000	ES411LR
	FA344	24500	ES411LR
	FA68	5000	ES373LR
	FA71	5000	ES373LR
	FA73	6000	ES373LR
	FA74	6000	ES373LR
	FA82	12000	ES187LR
	FA83	12000	ES187LR
	FA931	16000	ES3030-31LR
		16000	ES3030-31LR
	FA941	18000	ES3030-31LR
		20000	ES3030-31LR
	FF941	12000	ES423LR
	FF942	13200	ES423LR
	FL931	16000	ES431LR
		16000	ES431LR
	FL941	18000	ES431LR
		20000	ES431LR
	I100S	10000	ES411LR
	I108	10800	ES411LR
	I50	5000	ES373LR
	I60	6000	ES373LR

<b>ISUZU</b>			
93-	ELF, NHR		SE5321LR
84-93	ELF, NPR		SE5171LR

YEAR	MODEL	AXLE	PART No
<b>ISUZU</b>			
	FRR		SE7417LR
12-21	FVR, FTR 7800 Forward		SE7418LR

<b>KENWORTH</b>			
		11000	ES187LR
		12000	ES187LR
		12000	ES423LR
		12000	ES346LR
		16000	ES431LR
		16000	ES3030-31LR
		18000	ES431LR
	5000 Conventional Cab	18000	ES2090-91LR
		18000	ES3030-31LR
		20000	ES431LR
		20000	ES2090-91LR
		20000	ES3030-31LR
		22000	ES431LR
		22000	ES2090-91LR
		22000	ES3030-31LR
		12000	ES423LR
		12000	ES3476-77LR
		13200	ES423LR
		14600	ES423LR
		16000	ES431LR
		16000	ES2090-91LR
	5000B Conventional Cab	16000	ES3030-31LR
		18000	ES431LR
		18000	ES2090-91LR
		18000	ES3030-31LR
		20000	ES431LR
		20000	ES2090-91LR
		20000	ES3030-31LR
TO 86	K100 Cab Over Engine	11000	ES187LR
TO 86		12000	ES187LR
		11000	ES431LR
		12000	ES431LR
		12000	ES346LR
	K100 Cab Over Engine (To 1986)	16000	ES431LR
		18000	ES431LR
		20000	ES431LR
FROM 86		16000	ES2090-91LR
FROM 86	K100, K100E Cab Over Engine	18000	ES2090-91LR
FROM 86		20000	ES2090-91LR

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YEAR	MODEL	AXLE	PART No
<b>KENWORTH</b>			
	K100, K100E Cab Over Engine (From 1986)	12000	ES423LR
		12000	ES3476-77LR
		13000	ES423LR
		14600	ES423LR
		16000	ES431LR
		16000	ES3030-31LR
		18000	ES431LR
		18000	ES3030-31LR
		20000	ES431LR
		20000	ES3030-31LR
	K300 Cab Over Engine	12000	ES3476-77LR
		13000	ES423LR
	L700 Cab Forward	11000	ES187LR
		12000	ES187LR
		12000	ES423LR
		12000	ES431LR
		12000	ES346LR
		16000	ES431LR
		16000	ES2090-91LR
		16000	ES3030-31LR
		18000	ES431LR
		18000	ES2090-91LR
		18000	ES3030-31LR
		20000	ES431LR
		20000	ES2090-91LR
		20000	ES3030-31LR
97-98	T2000	12000	ES423LR
97-98		13200	ES3476-77LR
94-98	T300 Series 4 x 2 Mid-Range	10000	ES3476-77LR
94-98		12000	ES3476-77LR
	T400, T600, T800		ES844LR
	T400A, T400B, T450A, T450B Conventional Cab	10000	ES423LR
		12000	ES3476-77LR
		13000	ES423LR
		14600	ES423LR
		16000	ES431LR
		16000	ES2090-91LR
		16000	ES3030-31LR
		18000	ES431LR
		18000	ES2090-91LR
		18000	ES3030-31LR
		20000	ES431LR
		20000	ES2090-91LR

YEAR	MODEL	AXLE	PART No
<b>KENWORTH</b>			
	T400A, T400B, T450A, T450B Conventional Cab	20000	ES3030-31LR
	T600A, T600B, T800, T800B Conventional Cab	12000	ES423LR
		13000	ES423LR
		14600	ES423LR
		16000	ES431LR
		16000	ES2090-91LR
		16000	ES3030-31LR
		18000	ES431LR
		18000	ES2090-91LR
		18000	ES3030-31LR
		20000	ES431LR
	T800B Series 8x4 Twin Steer	20000	ES431LR
		20000	ES2090-91LR
	W900, W900B, W900L, W900S	12000	ES431LR
		12000	ES346LR
		16000	ES431LR
		18000	ES431LR
	W900, W900B, W900L, W900S	20000	ES431LR
		11000	ES187LR
		12000	ES187LR

<b>MACK</b>			
	B53, B57	18000	ES431LR
90	CH600 Series	10500	ES187LR
90	CH6000 Series	10500	ES431LR
91-98		12000	ES423LR
93-98	CL600, CL700 Series	12000	ES423LR
	DM400, DM600, DM800	10500	ES187LR
		10500	ES431LR
		12000	ES431LR
		18000	ES431LR
		18000	ES2090-91LR
		20000	ES431LR
	DM600, DM800	20000	ES2090-91LR
		12000	ES3252R
		18000	ES3252R
	DMM600 Series	20000	ES3252R
		16000	ES187LR
75-80		DMM600 Series 6x4 All Wheel Drive 8x4 Twin Steer Drive	18000
81-90		20000	ES431LR

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YEAR	MODEL	AXLE	PART No
<b>MACK</b>			
68-81	F700 Series 4x2 & 6x4	10500	ES187LR
68-81		10500	ES431LR
68-81		12000	ES431LR
94-98	FDM7000 Series 6x6 All Wheel Drive & 8x6 Twin Steer Drive	22000	ES2090-91LR
68-79	MB400, MB600 Series	10500	ES187LR
68-79		10500	ES431LR
68-79		12000	ES431LR
68-79		18000	ES431LR
68-79		20000	ES431LR
	MC400, MC600, MH600, MR400, MR600	10500	ES187LR
		12000	ES431LR
		12000	ES3252R
		18000	ES431LR
		18000	ES2090-91LR
		18000	ES3252R
		20000	ES431LR
		20000	ES2090-91LR
		20000	ES3252R
		20000	ES3252R
	R400, R600, R700	10500	ES187LR
		10500	ES431LR
		12000	ES431LR
		18000	ES431LR
	R600, R700, RD400, RD600	10500	ES3252R
		12000	ES3252R
		18000	ES3252R
	RD400, RD600, RD700, RD800	10500	ES187LR
		10500	ES431LR
		12000	ES431LR
91-98		14600	ES423LR
83-91		16000	ES187LR
		18000	ES431LR
		18000	ES2090-91LR
		20000	ES431LR
91-98		20000	ES2090-91LR
91-98		20000	ES3030-31LR
	RL600, RL700, RS600, RS700, RWL700, RWS700 Series	10500	ES431LR
74-86		12000	ES423LR
		12000	ES431LR
		18000	ES431LR
		18000	ES2090-91LR
		18000	ES3030-31LR
		20000	ES431LR
		20000	ES2090-91LR

YEAR	MODEL	AXLE	PART No
<b>MACK</b>			
80-90	RM600 Series 6x4	20000	ES431LR
91-93	RW600, RW700 Series	12000	ES423LR
91-93		14600	ES423LR

<b>MAZDA</b>			
77-80	EXR, Titan		SE1341LR

<b>MERITOR</b>			
	16930, 16931	12000	ES423LR
		12000	ES431LR
	17100, 17101, 17111	14600	ES431LR
	27460-A, 2765A		ES187LR
	FC931	7000	ES187LR
	FD901, FD902, FD903	9000	ES187LR
	FD931, FD933	9000	ES423LR
	FD961	10000	ES423LR
	FE900, FE903, FE910	11000	ES431LR
	FE970	11000	ES187LR
		11000	ES431LR
	FF901, FF903	12000	ES187LR
		12000	ES431LR
		12000	ES346LR
	FF921, FF923, FF930	12000	ES423LR
	FF930	12000	ES431LR
	FF931, FF932, FF933, FF934, FF941, FF942, FF943, FF944	12000	ES423LR
		13200	ES423LR
	FF931A, FF941A	12000	ES423LR
	FF981, FF981, FF986	12000	ES423LR
	FG931, FG933, FG941, FG943	14600	ES423LR
	FL931, FL933, FL941, FL943	16000	ES3030-31LR
		18000	ES3030-31LR
		20000	ES3030-31LR
	MFS08	8000	ES423LR
	MFS10	10000	ES423LR
	MFS13	13000	ES423LR
	MFS14	14000	ES423LR
	MFS16, MFS18, MFS20	16000	ES3030-31LR
		18000	ES3030-31LR
		20000	ES3030-31LR

<b>MITSUBISHI</b>			
95-	Canter FE6		SE7831LR

<b>NISSAN</b>			
00-	UD CW483/530 - CK451		BF-00Z79LR

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YEAR	MODEL	AXLE	PART No
<b>PETERBILT</b>			
78-83	310 Series	12000	ES423LR
84-86		14600	ES423LR
78-86		18000	ES431LR
78-86		18000	ES2090-91LR
78-86		18000	ES3030-31LR
78-86		20000	ES431LR
78-86		20000	ES3030-31LR
87-96		320 Series	12000
87-98	14600		ES423LR
87-98	20000		ES431LR
87-98	20000		ES2090-91LR
87-98	20000		ES3030-31LR
95-96	330 Series	12000	ES423LR
97-98		12000	ES3476-77LR
	348, 353, 359 Series	11000	ES187LR
		12000	ES187LR
		12000	ES423LR
		12000	ES431LR
		12000	ES346LR
		14600	ES423LR
		16000	ES431LR
		16000	ES2090-91LR
		16000	ES3030-31LR
		18000	ES431LR
74-86		18000	ES2090-91LR
74-86		18000	ES3030-31LR
74-86		20000	ES431LR
74-86		20000	ES2090-91LR
74-86		20000	ES3030-31LR
87-95	357 Series	18000	ES2090-91LR
96-98		20000	ES2090-91LR
	362 Series	12000	ES187LR
		12000	ES423LR
		12000	ES346LR
		12000	ES3476-77LR
		13200	ES423LR
		14600	ES423LR
		16000	ES431LR
		16000	ES2090-91LR
		16000	ES3030-31LR
		18000	ES431LR

YEAR	MODEL	AXLE	PART No
<b>PETERBILT</b>			
	362 Series	18000	ES2090-91LR
		18000	ES3030-31LR
		20000	ES431LR
		20000	ES2090-91LR
		20000	ES3030-31LR
		36000	ES431LR
		36000	ES2090-91LR
		36000	ES3030-31LR
87-96	372, 375, 376 Series	12000	ES423LR
96-98	377, 378, 379, 385 Series	12000	ES3476-77LR
86-95	377, 379 Series	12000	ES423LR
76-85	387 Series	20000	ES3030-31LR

<b>TOYOTA</b>			
84-87	Dyna		SE2361LR
95-99	Dyna 200		SE2361LR
	Toyo Ace Truck J05D-T		SE2205LR
	Dyna N04C-T, S050		SE2205LR
	Dyna, Dyna200 N04C-S05C		SE-T231LR
83-89	Hiace II		SE2361LR
83-	Hilux Pickup		SE2361LR
81-89	LandCruiser		SE2361LR
82-90	Modell F Bus		SE2361LR

<b>VOLKSWAGEN</b>			
95-97	L80 / 680 / 690 / 7110 / 790 / 9150		ES653LR

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**TRUCK & AUTO PARTS**  
Since 1983



# OTHER BRANDS & PRODUCTS



**ALLIANCE**  
TRUCK PARTS



**DRIVING  
VALUE**



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**Coolant**

**Diesel Particulate Filters**

**Electrical Assemblies**

**Exhaust Lines**

**Fan Clutches & Accessories**

**Fittings**

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**Fuel Water Separators**

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**LED Lighting**

**Mattresses**

**Mirrors**

**Radiators**

**Radios**

**Spring Brakes & Chambers**

**Starters**

**Steel Wheels**

**Suspension Bushings**

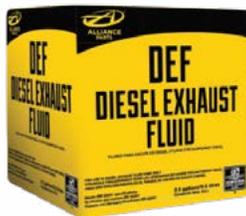
**Wheel Bearings**

**Wheel Seals**

**Wiper Blades**



**N32019781**



**ABP DEF 002T10**



**N83 304QP7H154417**

PART No	DESCRIPTION
<b>EPM AE1131MF</b>	12V Starting Battery Grp31 950Cca Stud - Coreless
<b>N83 304QP7H154417</b>	AC Compressor
<b>N83 304QP7H154421S</b>	AC Compressor, 7H DM 119 Pv 8 12V 4-1X14 Shd
<b>N13AC3417958</b>	Air Brake Compressor Cummins Applications
<b>N13AC3074471</b>	Air Brake Compressor Cummins Applications
<b>N32 018050</b>	Air Spring
<b>N32018050</b>	Air Spring
<b>N32018864</b>	Air Spring
<b>N32019069</b>	Air Spring
<b>N32019781</b>	Air Spring Steel Pisto
<b>N32 018864</b>	Air Springs
<b>N32019422</b>	Air Springs
<b>N13ACOR9756</b>	Cat 3116,3126,C7 Acert, C9 Acert,Replacement For Tf550 Units, Includes Safety Valve
<b>N13ACOR8340</b>	Cat 3406, C10,C12,C15,C16 ,Replacement For Tf550 Units, Includes Safety Valve, Includes Rear Cover Studs
<b>N13ACOR4740</b>	Cat 3406, C10,C12,C15,C16 Replacement For Tf750 Units, Includes Safety Valve, Includes Rear Cover Studs
<b>N13ACOR8442</b>	Cat 3406/3176/C15/C16 - Replacement For Tf750 Units - Includes Safety Valve - No Rear Cover Studs
<b>N13ACOR3659</b>	Cat 3406B-3176-2.5 Tilt Replacement For Tf750 Units - Includes Safety Valve - No Rear Cover Studs
<b>N13AC20R0177</b>	Cat C11/C13 Engines - Replacement For BA-921 - Includes Safety Valve - 42T Drive Gear With Jet Port
<b>N13AC20R0178</b>	Cat C15/C16 Engines - Replacement For BA-921 - Includes Safety Valve - 40T Drive Gear Without Jet Port
<b>ABP DEF 002T10</b>	DEF Diesel Exhaust Fluid 2.5 Gal
<b>ABPN2047354400105</b>	Fan Blade
<b>ABPN2047354451601</b>	Fan Blade
<b>N10G36000006</b>	Filter-Ventilator,Cabin
<b>N320900028</b>	Fleetline 85 Series Heavy Duty Shock
<b>N83301072</b>	Motor Blower DBL Shaft 1Spd 12V CCW Replaces OE SR2000009
<b>N122R50418</b>	Primary Fuel Filter Water Separator For Mb = R50562
<b>N20 8901N</b>	Rear Air Fan Clutch = 1090-09650-01
<b>N83319745</b>	Receiver-Dier, 3Inx10 1/4In-#6 Male
<b>N40SHP245X8252W1</b>	Steel Hub Piloted 15" Tubeless Wheel 24.5"X 8.25" White 10 Bolt Holes

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# Donaldson®

FILTRATION SOLUTIONS



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PRODUCTS**

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**Aerospace & Defense**

**Bulk Fluid Storage**

**Compressed Air & Gas**

**Compressor**

**Connected Solutions**

**Engine Filters & Parts**

**Engine OEM Systems**

**Gas Turbine**

**Hydraulics**

**Industrial Dust, Fume & Mist**

**Membranes**

**Process**

**Production Printing**

**Semiconductor**

**Venting**



**P552100**



**P153551**



**P550335**

PART No	DESCRIPTION
<b>P524838</b>	Air Cleaner, Disposable
<b>P141317</b>	Air Filter - Primary Konepac
<b>P150694</b>	Air Filter - Primary Konepac
<b>P153551</b>	Air Filter - Primary Konepac
<b>P527682</b>	Air Filter - Primary Radialseal
<b>P532966</b>	Air Filter - Primary Radialseal
<b>P613336</b>	Air Filter - Primary Radialseal
<b>P181007</b>	Air Filter - Primary Round
<b>P181028</b>	Air Filter - Primary Round
<b>P181104</b>	Air Filter - Primary Round
<b>P535114</b>	Air Filter - Primary Round
<b>P603857</b>	Air Filter, Primary Round
<b>P554071</b>	Coolant Filter Spin-On
<b>P552071</b>	Coolant Filter Spin-On Sca Plus
<b>P033023</b>	DFO Endura-Tek XL Cartridge (289 mm X 365 mm O.D. X 660 mm L (11.36 in. X 14.36 in.) O.D. X 26.00 in. L - Drop Shipment From Mexico Only Charges May Apply
<b>P032731</b>	DFT Endura-Tek XL Cartridge (352 mm O.D. X 660 mm L (13.84 in. O.D. X 26.00 in. L) - Drop Shipment From Mexico Only Charges May Apply
<b>P502136</b>	Fuel Filter Cartridge
<b>P550821</b>	Fuel Filter Cartridge
<b>P785373</b>	Fuel Filter Cartridge
<b>P550105</b>	Fuel Filter Spin On
<b>P550202</b>	Fuel Filter Spin On
<b>P550219</b>	Fuel Filter Spin On
<b>P550881</b>	Fuel Filter Spin On
<b>P551311</b>	Fuel Filter Spin On
<b>P551315</b>	Fuel Filter Spin On
<b>P551316</b>	Fuel Filter Spin On
<b>P551712</b>	Fuel Filter Spin On
<b>P553004</b>	Fuel Filter Spin On
<b>P557440</b>	Fuel Filter Spin On
<b>P550880</b>	Fuel Filter Spin-On
<b>P551318</b>	Fuel Filter Spin-On
<b>P550057</b>	Fuel Filter Spin-On - Replaces P553240
<b>P556915</b>	Fuel Filter Spin-On Primary
<b>P550218</b>	Fuel Filter Spin-On Secondary
<b>P550431</b>	Fuel Filter Spin-On Secondary
<b>P550440</b>	Fuel Filter Spin-On Secondary

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**P556064**



**P553000**



**P551047**

PART No	DESCRIPTION
<b>P551313</b>	Fuel Filter Spin-On Secondary
<b>P552200</b>	Fuel Filter Spin-On Secondary
<b>P554471</b>	Fuel Filter Spin-On Secondary
<b>P556916</b>	Fuel Filter Spin-On Secondary
<b>P550463</b>	Fuel Filter Water Separator Cartridge
<b>P550106</b>	Fuel Filter Water Separator Spin-On
<b>P550248</b>	Fuel Filter Water Separator Spin-On
<b>P553854</b>	Fuel Filter Water Separator Spin-On
<b>P554470</b>	Fuel Filter Water Separator Spin-On
<b>P551000</b>	Fuel Filter Water Separator Spin-On Twist and Drain
<b>P551329</b>	Fuel Filter Water Separator Spin-On Twist and Drain
<b>P558000</b>	Fuel Filter Water Separator Spin-On Twist and Drain
<b>P551122</b>	Fuel Filter Water Separator Spin-On Twist and Drain - Replaces P551022
<b>P551047</b>	Fuel Filter Water Separator Spin-On Twist and Drain - Replaces P551040
<b>P550700</b>	Hydraulic Filter Cartridge
<b>P551290</b>	Hydraulic Filter Cartridge
<b>P556064</b>	Hydraulic Filter Cartridge
<b>P559740</b>	Hydraulic Filter Cartridge
<b>P551551</b>	Hydraulic Filter Spin-On
<b>P550516</b>	Lube Filter Cartridge
<b>P550777</b>	Lube Filter Spin-On Bypass
<b>P552562</b>	Lube Filter Spin-On Combination
<b>P553000</b>	Lube Filter Spin-On Combination
<b>P502042</b>	Lube Filter Spin-On Combination - Replaces P502046
<b>P550008</b>	Lube Filter Spin-On Full Flow
<b>P550047</b>	Lube Filter Spin-On Full Flow
<b>P550367</b>	Lube Filter Spin-On Full Flow
<b>P550428</b>	Lube Filter Spin-On Full Flow
<b>P550512</b>	Lube Filter Spin-On Full Flow
<b>P550949</b>	Lube Filter Spin-On Full Flow
<b>P550965</b>	Lube Filter Spin-On Full Flow
<b>P551670</b>	Lube Filter Spin-On Full Flow
<b>P551808</b>	Lube Filter Spin-On Full Flow
<b>P552100</b>	Lube Filter Spin-On Full Flow
<b>P553191</b>	Lube Filter Spin-On Full Flow
<b>P554004</b>	Lube Filter Spin-On Full Flow
<b>P554005</b>	Lube Filter Spin-On Full Flow
<b>P555570</b>	Lube Filter Spin-On Full Flow

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<b>PART No</b>	<b>DESCRIPTION</b>
<b>P557780</b>	Lube Filter Spin-On Full Flow
<b>P558615</b>	Lube Filter Spin-On Full Flow
<b>P558616</b>	Lube Filter Spin-On Full Flow
<b>P550335</b>	Lube Filter Spin-On Full Flow - Replaces P550589
<b>P555616</b>	Lube Filter Spin-On Full Flow - Replaces P551262
<b>DBL7405</b>	Lube Filter, Spin-On Full Flow Donaldson Blue - Replaces P167405
<b>DBL3998</b>	Lube Filter, Spin-On Full Flow Donaldson Blue - Replaces P173998
<b>DBL7349</b>	Lube Filter, Spin-On Full Flow Donaldson Blue - Replaces P177349
<b>DBL7739</b>	Lube Filter, Spin-On Full Flow Donaldson Blue - Replaces P177739
<b>DBL7900</b>	Lube Filter, Spin-On Full Flow Donaldson Blue - Replaces P179353
<b>DBL7300</b>	Lube Filter, Spin-On Full Flow Donaldson Blue - Replaces P553000
<b>M100465</b>	Muffler Round Style 1
<b>P149099</b>	Vacuator Valve



Donaldson®

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**BRAKE SHOES & DRUMS**

**CAB EXTERIOR & INTERIOR**

**CHEMICALS & FLUIDS**

**ELECTRICAL**

**ENGINE**

**ENGINE COOLING**

**ENGINE MAINTENANCE**

**EXHAUST & AFTERTREATMENT**

**FRAME & RELATED**

**HVAC**

**POWERTRAIN**

**ROTARING ELECTRICS**

**STTERING**

**SUSPENSION**

**WHEEL END**



**A12-14736-003**



**A18-34683-005**



**03-40571-003**

PART No	DESCRIPTION
<b>A22-54708-221</b>	A/C Control Unit
<b>A12-14736-003</b>	Air Manifold w/1.8 in. NPT Switches - Hi-TRQ.07
<b>23-14401-003</b>	Air Split "Y" Connector,1/2X3/8X1/4 For M.Benz Diesel Freightliner Del.Truck
<b>A05-16317-000</b>	Assy - Shunt Line
<b>01-32732-094</b>	Belt - 8 Rib 2094mm
<b>A22-45533-000</b>	Bracket & Pivot Assy-Windshield Wpr,Conv
<b>17-14781-000</b>	Bracket-Hood Latch
<b>03-37017-000</b>	Cap-Fuel - QTR Turn - Plain - No Lock - FTL
<b>A22-47433-002</b>	Century Wiper Arm
<b>A22-51969-000</b>	Columbia Wiper Arm
<b>23-14392-000</b>	Compressor Air Fitting 1/4X10M,1.8 Thread For M.Benz Diesel Freightliner Mdl-2009 Del.Truck
<b>06-46159-002</b>	Controller - Wash/Wipe w/Led
<b>A18-34804-002</b>	Cover-Keyswitch,Slate Grey
<b>A18-34683-005</b>	Dash Frame Trim
<b>A18-32005-003</b>	Dash Trim Rh
<b>A18-27783-000</b>	Door Latch - Cab LH
<b>03-17150-001</b>	Elbow 90 Deg 5LD RBR
<b>23-14396-008</b>	Elbow Air Fitting,1/2X21M For M.Benz Diesel Freightliner Mdl-2014 Del.Truck
<b>23-14396-013</b>	Elbow Fittings 1/2 Medium Connector,90 For M.Benz Diesel Freightliner Mdl-2008 Del.Truck
<b>23-14395-010</b>	Elbow-45 Ptc.,.38 Mpt To .62 Nt
<b>23-14395-009</b>	Elbow-45,Ptc.,.50 Mpt To .50 Nt
<b>23-14395-011</b>	Elbow-45,Ptc.,.50 Mpt To .62 Nt
<b>23-14395-012</b>	Elbow-45,Ptc.,.50 Mpt To .75 Nt
<b>23-14396-000</b>	Elbow-90,Ptc.,.50 Mpt To .25 Nt
<b>23-14396-015</b>	Elbow-90,Ptc.,.58 Mpt To .75 Nt
<b>23-13301-412</b>	Fitting-Ptc,M12 X 1.5,Male O-Ring X 4
<b>23-14054-000</b>	Fitting-Tee,Female,Push To Connect
<b>01-28096-002</b>	Freightliner Columbia Turbocharger Intercooler Outlet Tube S/60 14 Lts.
<b>05-16840-000</b>	Freightliner Upper Radiator Coolant Hose S-60
<b>A18-18557-002</b>	Handle - Window Regulator
<b>A06-94214-000</b>	Harn-Hvac,Jmpr,Shinano Mtr
<b>66-01788-001</b>	Horn-Electric Horn,Single,Srvc
<b>05-16062-052</b>	Hose-Radiator,Elbow,90 Deg Epdm 2.00 Id
<b>A02-13074-007</b>	Hydraulic Clutch Pedal Assembly, 194Mm
<b>01-28042-000</b>	Idler Pulley For M.Benz Diesel Freightliner Del.Truck
<b>A17-13534-000</b>	Isolator - Hood Support Latch LH
<b>23-14392-012</b>	Kv2H1337S Air Fitting 3/4X1/2 Big Thread For M.Benz Diesel Freightliner Del.Truck

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PART No	DESCRIPTION
<b>A66-08222-000</b>	Lamp - Marker Led Amber Adhesive
<b>A06-21643-000</b>	Lamp - Marker Side With Reflex FLX LH and RH
<b>A06-51096-000</b>	Lamp-Turn Signal/Marker
<b>3906E89380</b>	O-Ring
<b>16-12373-000</b>	Pin-Spring,Std ,5.375X1.246,Front Susp
<b>05-23045-002</b>	Plastic Reservoir
<b>18-64044-000</b>	Seal - Weatherstrip Cab Door
<b>A18-24195-000</b>	Sill-Door Window - Black LH
<b>A18-24195-001</b>	Sill-Door Window - Black RH
<b>23-14153-000</b>	Straight Fittings Connector 5/8, 16Mm M.Benz Diesel Freightliner Mdl-2009 Del. Truck
<b>23-14393-000</b>	Straight Union Fittings,1/4 Connector For M.Benz Diesel Freightliner Mdl-2008 Del.Truck
<b>A06-30769-001</b>	Switch - Paddle Eng Retarder - Off/Lo/Hi
<b>A06-30769-008</b>	Switch - Rocker DS Power Window
<b>A06-30769-010</b>	Switch - Rocker Paddle HDLP-MRKR
<b>A06-30769-027</b>	Switch - Rocker PS/RH Power Window
<b>18-33367-001</b>	Trim Top Panel Dash
<b>18-33367-002</b>	Trim-Panel,Top,Dash,Slate Grey
<b>AI38000404474</b>	Valve,Dbck,1-06Mpt,2-04Ptc
<b>03-40571-003</b>	Heated Fuel Water Separator - Inlet/Outlet Thread Size: 1/2-14 NPTF in
<b>23-09114-009</b>	Washer-Flat,Steel,Hardened,1 1/8 In
<b>16-09040-002</b>	Wear Plate-Spring Pin,Shackle
<b>51408PKWHT21</b>	Wheel 22.5X8.25 White
<b>Z05-30740-001</b>	Z05-30740-000--Water Coolant Reservoir For M.Benz Diesel Freightliner Mdl-2008 Del.Truck



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**SAP50262RD**

Weight **50 ml.**  
Inner Box **12 pcs**  
Master Pack **48 pcs**

**SAP10262RD**

Weight **10 ml.**  
Inner Box **12 pcs**  
Master Pack **144 pcs**

## SPECIFICATIONS / ESPECIFICACIONES

<b>Temperature Range</b> Rango de Temperatura	Operating Temp. 54°C to +150°C (-67°C to +302°F)	<b>Content</b> Contenido	Methacrylic Ester
<b>Fastener Size</b> Dia. de Rosca	Up to 3/4 in. (20mm.)		
<b>Torque Breakaway</b> Ruptura / Torque	28 Nm / 248 lb-in		
<b>Prevail Torque</b> Ruptura / Remanente	32 Nm / 283 lb-in		

**AVAILABLE NOW  
AHORA DISPONIBLE**



# MACK



## MACK GENUINE PARTS



**ENGINE**



**TRANSMISSION**



**EXHAUST & EMISSIONS**



**BODY & ACCESORIES**

**WE OFFER**

**A FULL LINE OF**

**PRODUCTS**



## VOLVO GENUINE PARTS

CONTACT YOUR SALES REP FOR MORE INFORMATION



**ENGINE**



**TRANSMISSION**



**BODY & ACCESORIES**



21338449



84708427



20815953

PART No	DESCRIPTION
<b>21306498</b>	Air Cleaner
<b>2191-P600116</b>	Air Filter Housing Cover
<b>21338449</b>	Air Spring
<b>25107779</b>	Anchorage, Plastic Nut Expansion
<b>3398-AS1169</b>	Automatic Slack Adjuster, 1-1/2In-5-1/2In Dia, 10T
<b>3398-AS1168</b>	Automatic Slack Adjuster, 1-1/2In-6In Dia, 10T
<b>6990-452250X1</b>	Cam Service Assy Actuator
<b>22943637</b>	Compressed Air Tank
<b>8148-592ST5R/CR</b>	Core Steering Gear
<b>84708427</b>	Cover
<b>84739296</b>	Cover
<b>25194892</b>	Cover Abc Cluster
<b>2191-P535797</b>	Cover Air Filter
<b>800-6235122023</b>	Cvr Kit Seat Silgry Vn Cp
<b>22008175</b>	Damping Element
<b>21428679</b>	Exhaust Valve
<b>60113395</b>	Flange Screw Radiator
<b>25114437</b>	Grille
<b>20706542</b>	H-Ring, Tappet Roller
<b>25090737</b>	Hexagon Screw
<b>25152847</b>	Hood Ornament, Emblem
<b>21515329</b>	Injector Sleeve
<b>20976700</b>	Insulator, Side Bracket Radiator
<b>25625288</b>	Key
<b>4379-RD556760</b>	Louver, Assembly A/C & Heater Assembly
<b>25157634</b>	Louver, Assembly Lh, A/C & Heater Assembly
<b>25503504</b>	Overhaul Kit
<b>800-6201089001</b>	Pad Seat T3 1/Ctn
<b>22422785</b>	Pressure Sensor
<b>25153192</b>	Ring Ga Trim
<b>20815953</b>	Safety Valve
<b>25154140</b>	Sealing Compound
<b>25170649</b>	Shift Selector - Valve
<b>25626196</b>	Shock Absorber Rear
<b>342SX33</b>	Silicone Dow832 2.80z
<b>22577020</b>	Solenoid Valve
<b>22201328</b>	Spacer Plate

\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.  
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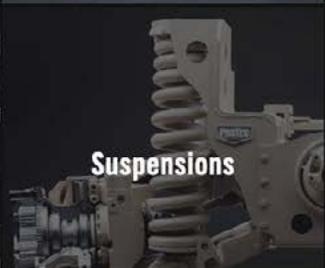
Drivelines



Gearboxes and Power  
Take-Offs (PTOs)



Meritor Tire Inflation  
System (MTIS™)



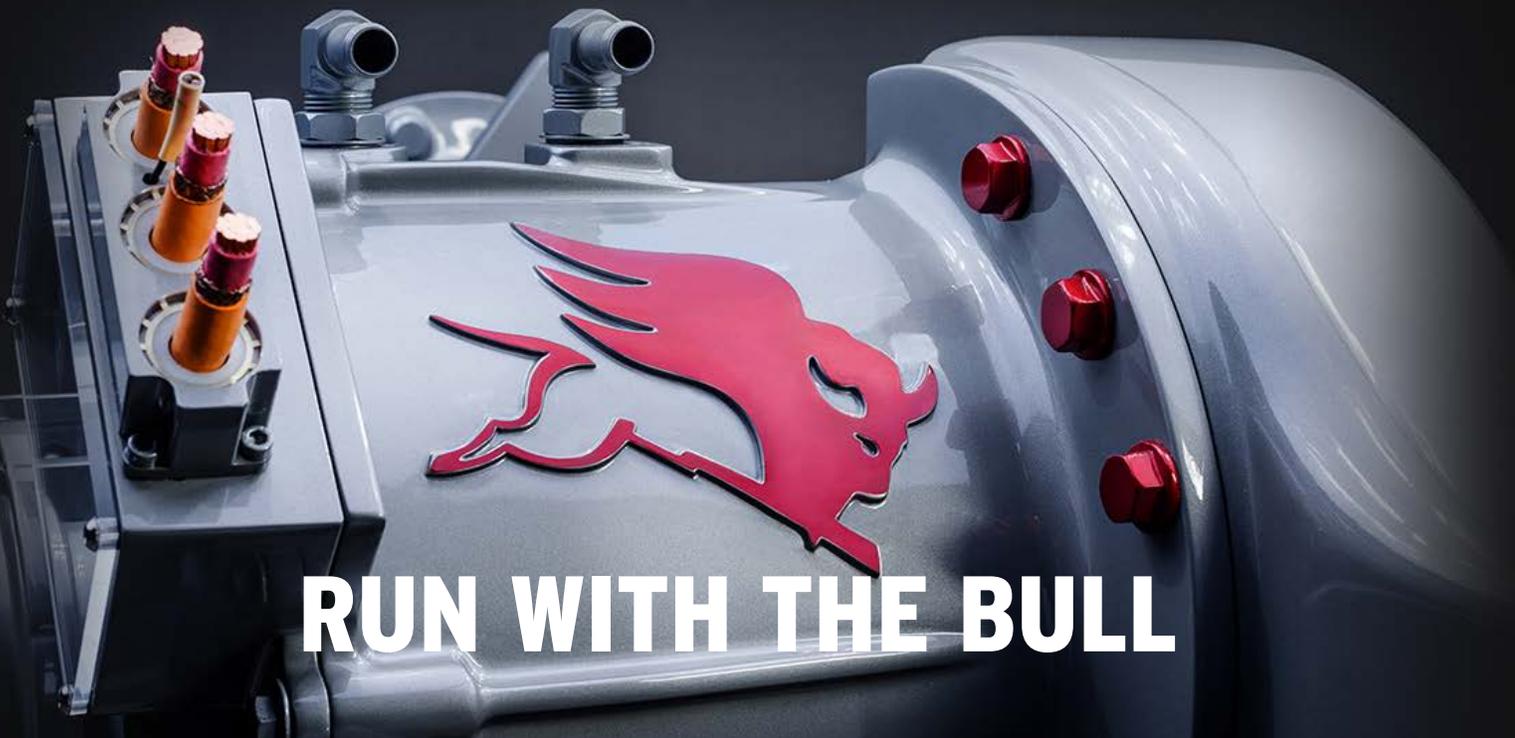
Suspensions



Transfer Cases



Auxiliary Transmission



**RUN WITH THE BULL**


**R945007**

**1229F4634S**

**R210088**

PART No	DESCRIPTION
<b>2258R590</b>	2258R590 Brake Return Spring For M.Benz Diesel Freightliner Mdl-2008 Del.Truck
<b>4640080110</b>	Air Suspension Valve
<b>M10KIT2429</b>	Axle Hardware - Shim
<b>1229R1032</b>	Axle Hardware Washer Thrust
<b>A1228P2252</b>	Ball Bearing
<b>S4640070040</b>	Cab Leveling Valve
<b>MCK1116</b>	Caliper - Duco Guide Pin Kit
<b>A11205Z2730</b>	Drive Axle Oil Seal
<b>1250E473</b>	Fill Plug, Magnetic
<b>A11205X2728</b>	Forward Rear Input Seal
<b>A11205Y2729</b>	Forward Rear Output Seal
<b>R210088</b>	Kingpin Bushing
<b>KIT2638</b>	Kit Nut & Washer
<b>9348990740</b>	Manifold Ppvl
<b>R824000</b>	Manual Slack Adjuster
<b>R824003</b>	Manual Slack Adjuster
<b>M85724</b>	Meritor- Shock Absorber
<b>KIT8042</b>	Minor Brake Repair Kit Camshaft 15 and 16.5 - Meritor Q and Q Plus
<b>R615002</b>	Minor Repair Kit
<b>R945008</b>	Oil Seal - Ups Forward Input/Output
<b>R945007</b>	Oil Seal - Ups Front Large Shaft
<b>KIT5389</b>	Output Seal Kit
<b>MCK1298</b>	Pin/Bush Kit
<b>4006110340</b>	Relay Valve Kit = S472 500 007 2
<b>RRN31BF</b>	Repair Kit
<b>R006035</b>	Stud Wheel Webb# 101162100Mm Ref 20X 71A
<b>R230073</b>	Tie Rod End
<b>R230072</b>	Tierod End
<b>R309322</b>	Torque Rod Bush
<b>1229S4985</b>	Washer
<b>1229F4634S</b>	Washer Kit - Axle Nut
<b>1229L3002</b>	Washer-Thrust
<b>R006034</b>	Wheel Stud M22 X1.5 122 Long

\*SO: Special Order Item. Please contact your sales representative for more information of how to order this item.

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<b>3 EFFE</b>	
ALTE274	1D0067
ALTL058	1D0024
ALTS192	1J0033-100
ALTS477	1J0033-100
ALTS901	1D0067
PRAE274	1D0067
PRAL058	1D0024
PRAS192	1J0033-100
PRAS477	1J0033-100
PRAS901	1D0067

COMPETITOR No	PART No
<b>555</b>	
2105341	BF5420176100
2106751	BF5420172100
SE-1341L	SE1341LR
SE-1341R	SE1341LR
SE-2361L	SE2361LR
SE-2361R	SE2361LR
SE-3181L	SE3181LR
SE-3181R	SE3181LR
SE-5171L	SE5171LR
SE-5171R	SE5171LR
SE-5321L	SE5321LR
SE-5321R	SE5321LR
SE-7831L	SE7831LR
SE-7831R	SE7831LR

COMPETITOR No	PART No
<b>A.B.S.</b>	
230175	SE5321LR

COMPETITOR No	PART No
<b>ABEX</b>	
EXP4515GDBLK	SAP-A4515STD

COMPETITOR No	PART No
<b>AC DELCO</b>	
251-674	21098
251-723	21098
252-204	23145
252-206	42062
252-299	70041
252-300	70020
252-304	73710
252-318	23145
252-332	70042
252-392	70004
252-423	70032
252-439	70043
252-462	70001
252-512	70047
252-543	32109
252-605	70001
252-724	72114
252-757	36302
252-792	23713
252-838	21098
252-844	72114

COMPETITOR No	PART No
<b>ACCUPART</b>	
HOR694205	530P00003
HOR694212	530P00000
HOR694246	530P00001

COMPETITOR No	PART No
<b>ACCUPART</b>	
HOR694346	530P00005
HOR694349	530P00002
KYS8595BK	530P00004

COMPETITOR No	PART No
<b>ACEMARK</b>	
206914	SE5321LR

COMPETITOR No	PART No
<b>AES</b>	
12.201.390	1J0033-100

COMPETITOR No	PART No
<b>AFA</b>	
D23515250	SAP24060
N1658556C91	SAP2036A

COMPETITOR No	PART No
<b>AGRALE</b>	
6006007132005	ES653LR
6006007133003	ES653LR
6010.008.022.00.9	BF1106

COMPETITOR No	PART No
<b>AIRTECH</b>	
39781C ALU	BF-U9781SA

COMPETITOR No	PART No
<b>AIRTEX</b>	
599-1400	SAP-P4070
AW1799	90025
AW2001	70001
AW2004	70004
AW2020	70020
AW2032	70032
AW2041	70041
AW2042	70042
AW2043	70043
AW2047	70047
AW2060	70001
AW2090	70090
AW2091	70091
AW2097	23145
AW2126	78001
AW2127	78002
AW2129	70129
AW2130	70130
AW2131	70131
AW3710	73710
AW3712	73712
AW3713	23713
AW3716	73716
AW3717	73717
AW4062	42062
AW4109	32109
AW4114	72114
AW5098	21098
AW6008	78008
AW6053	71053
AW6150	70350
AW6151	70151
AW6158	73158
AW6222	23222
AW6342	70342
AW6344	70152
AW6353	70353

COMPETITOR No	PART No
<b>AIRTEX</b>	
AW6661	70661
AW6694	70153
AW6768	70007
AW7145	23145
AW9302	36302

COMPETITOR No	PART No
<b>AISIN</b>	
JTRT0-042	SE2361LR
JTRT0-043	SE2361LR
WPG-001V	90025
WPN-006	93047

COMPETITOR No	PART No
<b>ALLIANCE</b>	
ABP N25 K2468	530P01771
ABP N25 K3600	530P01910
ABP N32 019781	BF-U9781SA
ABP N32 0900028	BF99000
ABP N320900001	BF99425
ABP N53 TSM3 W	2D0026
ABP SBN SET401	SET401SAP
ABP SBN SET403	SET403SAP
ABP SBN SET406	SET406SAP
ABP SBN SET411	SET411SAP
ABP SBN SET413	SET413SAP
ABP SBN SET414	SET414SAP
ABP SBN SET424	SET424SAP
ABP SBN SET426	SET426SAP

COMPETITOR No	PART No
<b>ALLIANT POWER</b>	
6994PP	530P00014
7012PP	530P00010
AP0001	530P00012
AP63402	530P00013
AP63417	530P00016
AP63452	530P00015
AP63811BI	530P00009
AP63811BI	530P00014
AP63813BN	530P00007
AP63813BN	530P00010

COMPETITOR No	PART No
<b>AMK</b>	
AL1806	1J0033-100
AL1974	1J0033-100

COMPETITOR No	PART No
<b>AMSTED SEALS / TRISEAL</b>	
46294K	530P00053
46311K	530P00055
65060U	530P00058
65156U	530P00056
65262U	530P00059
65263U	530P00060
69699	530P00057
69794	530P00061
70561	530P00064
70596	530P00062
70598	530P00054
70788	530P00065
70791	530P00063
70798	530P00066
70799	530P00052

COMPETITOR No	PART No
<b>AMSTED SEALS / TRISEAL</b>	
72907	SAP100494
72911	SAP100557
73904	SAP127592
73912	SAP127591
80249	SAP-HC114249

COMPETITOR No	PART No
<b>ANDRE NIERMANN</b>	
126029	2D0026
2468053	1B0002

COMPETITOR No	PART No
<b>APSCO</b>	
AV-295	SAP38879X

COMPETITOR No	PART No
<b>ARISTO</b>	
8300001000	530P00045
ARS 830 0001 000	530P00045

COMPETITOR No	PART No
<b>ARISTO-AIRE</b>	
ATV3B	530P00046

COMPETITOR No	PART No
<b>ARROWHEAD</b>	
AB00262	1B0028
AFD0027	1F0003DP
AFD0057	1F0003DP
SDR0360	2D0026

COMPETITOR No	PART No
<b>AS METAL</b>	
17MT1005	SE7831LR
17MT1006	SE7831LR

COMPETITOR No	PART No
<b>ASC</b>	
WP-1968	78001
WP-1969	78002
WP-2099	70350
WP-2100	70151
WP-2141	73158
WP-2151	23222
WP-2223	70353
WP-2254	70342
WP-2258	70152
WP-2340	70661
WP-2439	70153
WP-726	23145
WP-9008	70047
WP-9039	42062
WP-9105	32109
WP-9128	72114
WP-9301	21098
WP-9414	71053
WP-9583	70043
WP-9701	78008
WP-HD-6076	70091
WP-HD3000	73717
WP-HD6001	70041
WP-HD6002	70020
WP-HD6006	70335
WP-HD6012	70393
WP-HD6052	70001
WP-HD6053	70042
WP-HD6064	70032

COMPETITOR No	PART No
<b>ASC</b>	
WP-HD6073	70090
WP-HD6076	70091
WP-HD6091	70001
WP-HD6205	70004
WP-HD6301	73710
WP-HD6307	73712
WP-HD6315	23713
WP-HD6542	70129
WP-HD6543	70130
WP-HD6545	70131
WP-HD7315	73716
WP2440	70092

COMPETITOR No	PART No
<b>ASHIKA</b>	
111-02-2037R	SE2361LR
111-02-203L	SE2361LR
111-02-203R	SE2361LR
111-03-310R	SE1341LR
111-09-905L	SE5171LR
111-09-905R	SE5171LR
111-09-998R	SE5321LR

COMPETITOR No	PART No
<b>ASHUKI</b>	
1449-2009	SE5321LR

COMPETITOR No	PART No
<b>AUGER</b>	
65264	BF901808802
65293	BF901808884

COMPETITOR No	PART No
<b>AUTOELECTRO</b>	
AEA2254	1J0033-100

COMPETITOR No	PART No
<b>AUTOMANN</b>	
133.1031	SAP10143
133.284	SAP10211
133.2841	SAP10212
134.101	SAP278302L
134.1010	SAP278302L
134.1011	SAP278305L
134.1018	SAP49010L
134.1031	SAP47011L
134.1041	SAP278323L
134.2840	SAP288282L
134.2841	SAP288282L
134.3741	SAP283411L
137.1011	SAP65170A
137.103	SAP65172A
137.1030	SAP65172A
137.281	SAP65174A
137.2810	SAP65174A
137.283	SAP65176A
137.2830	SAP65176A
139.103	SAP-R801042
139.1030	SAP-R801042
139.1031	SAP-R801041
139.283	SAP-R801074
139.2830	SAP-R801074
139.2831	SAP-R801073
143.144380.30	SAP1443E
144-472080-3022	SAP4720

COMPETITOR No	PART No
<b>AUTOMANN</b>	
144.471580.3122	SAP4715
144.472080.3022	SAP4720
148-1308E-23	SAP1308E
148-1308Q-23	SAP1308Q
148-4515Q-23	SAP4515Q
148.1308E.23	SAP1308E
148.1308Q.23	SAP1308Q
148.4311E.23	SAP4311E
148.4515Q.23	SAP4515Q
148.4702Q.23	SAP4702
148.4707Q.23	SAP4707Q
148.4709E.23	SAP4709
170-065225	SAP65225BKT
170-065225	SAP65225D
170-065612	SAP65612D
170-102626	SAP102626
170-103009	SAP103009
170-10301	SAP103010
170-107695	SAP107695
170-205105	SAP205105
170-228600	SAP228600
170-228750	SAP228750
170-229635	SAP229635
170-229859	SAP229859
170-229860	SAP229860
170-275491	SAP275491
170-279000	SAP279000
170-279180	SAP279180
170-279416	SAP279416
170-281865	SAP281865
170-286171	SAP286171
170-286364	SAP286364
170-287238	SAP287238
170-A1000	SAP1000R
170-A5000	SAP-A5000
170-KN23000	SAP-KN23000
170-KN28060	SAP-KN28060
170-KN28500	SAP-KN28500
170-KN28520	SAP-KN28520
170-KN30400	SAP-KN30400
170.0013	SAP13250
170.065125	SAP065125
170.065146	SAP065146
170.065225	SAP65225BKT
170.065225	SAP65225D
170.065612	SAP65612D
170.102626	SAP102626
170.103009	SAP103009
170.10301	SAP103010
170.103010	SAP103010
170.107516	SAP107516
170.107516	SAP107516
170.107695	SAP107695
170.107798	SAP103547
170.110170	SAP110170
170.110171	SAP110171
170.110500	SAP110500
170.110700	SAP110700
170.131081	SAP131081
170.205105	SAP205105

COMPETITOR No	PART No
<b>AUTOMANN</b>	
170.2286	SAP228600
170.228600	SAP228600
170.22875	SAP228750
170.228750	SAP228750
170.229635	SAP229635
170.229859	SAP229859
170.22986	SAP229860
170.229860	SAP229860
170.275491	SAP275491
170.276567	SAP275175
170.278614	SAP278614
170.279	SAP279000
170.279000	SAP279000
170.27918	SAP279180
170.279180	SAP279180
170.279416	SAP279416
170.281865	SAP281865
170.286171	SAP286171
170.286364	SAP286364
170.28637	SAP286370
170.286370	SAP286370
170.287238	SAP287238
170.3158X	SAP3158X
170.3710X	SAP3710X
170.3758X	SAP3758X
170.5004341	SAP04341
170.65624K	SAP65624
170.65706	SAP065706
170.800383	SAP801266
170.800404	SAP63310D
170.800516	SAP800516
170.800519	SAP800519
170.800522	SAP800515
170.800629	SAP800629
170.801266	SAP801266
170.950013	SAP-R950013
170.950014	SAP-R950014
170.955205	SAP-R955205
170.9553	SAP-R955300
170.955300	SAP-R955300
170.A1000	SAP1000R
170.A5000	SAP-A5000
170.KN20615	SAP-KN20615
170.KN23000	SAP-KN23000
170.KN28060	SAP-KN28060
170.KN28500	SAP-KN28500
170.KN28520	SAP-KN28520
170.KN30400	SAP-KN30400
171-KN27000	SAP-KN27000
171-LV100	SAP90054007
171.H004	SAP-S4640070040
171.H1010E	KD2204
171.H102	KD2205
171.H1030E	KD2261
171.H218	660073403
171.H2180E	660073403
171.H913	KD2290
171.KN27000	SAP-KN27000
171.LV100	SAP90054007
174-3546	SAP-A3546

COMPETITOR No	PART No
<b>AUTOMANN</b>	
174-501	SAP-A6909
174-6910	SAP-A6910
174-6913	SAP-A6913
174-6915	SAP-A6915
174-6918	SAP-A6918
174.3546	SAP-A3546
174.501	SAP-A6909
174.691	SAP-A6910
174.6910	SAP-A6910
174.6913	SAP-A6913
174.6915	SAP-A6915
174.6918	SAP-A6918
179.1003	SAP450L
179.3003.15-401	SAP953HD
179.DT12	TYPE12L
179.DT16	TYPE16L
179.YK5814	SAPZ3000
180.10618	SAP-HC124975
180.10622	SAP-HC114024
180.10623	SAP-HC114249
180.10629	SAP-HC114009
180.10632	SAP-HC114195
181.370001A	SAP370001A
181.370003A	SAP370003A
181.370005A	SAP370005A
181.370006A	SAP370006A
181.370019A	SAP370019A
181.370021A	SAP370021A
181.370022A	SAP370022A
181.370023A	SAP370023A
181.370025A	SAP370025A
181.370031A	SAP370031A
181.370033A	SAP370033A
181.370036A	SAP370036A
181.370048A	SAP370048A
181.370065A	SAP370065A
181.370069A	SAP370069A
181.37659	SAP376590A
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460.102B	BF492A
460.116B	BF477AR
460.128B	BF700
460.148B	BF534B
460.162B	BF537
460.164B	BF722
460.165B	BF817
460.166B	BF547
460.168B	BF548
460.174B	BF645
460.186B	BF825
460.194B	BF829
460.196B	BF830
460.200B	BF838
460.204B	BF823
460.208B	BF836
460.212B	BF834
460.220C	BF841
460.242B	BF846CB
460.244B	BF1108
460.246C	BF848CB

**COMPETITOR No PART No**

**AUTOMANN**

460.260B	BF849
460.286B	BF850
460.519B	BF504
460.530C	BF873CB
460.697B	BF571
462.ES142L	ES142LR
462.ES142R	ES142LR
462.ES187L	ES187LR
462.ES187R	ES187LR
462.ES2061L	ES2061-62LR
462.ES2061R	ES2061-62LR
462.ES2069L	ES2069-70LR
462.ES2069R	ES2069-70LR
462.ES3030L	ES3030-31LR
462.ES3030R	ES3030-31LR
462.ES3033L	ES2090-91LR
462.ES3033R	ES2090-91LR
462.ES3274L	ES3274-75LR
462.ES3274R	ES3274-75LR
462.ES3297R	ES3297-98LR
462.ES3298L	ES3297-98LR
462.ES346L	ES346LR
462.ES346R	ES346LR
462.ES373L	ES373LR
462.ES373R	ES373LR
462.ES411L	ES411LR
462.ES411R	ES411LR
462.ES423L	ES423LR
462.ES423R	ES423LR
462.ES431L	ES431LR
462.ES431R	ES431LR
462.ES9001L	ES3476-77LR
462.ES9001R	ES3476-77LR
465.LUK.01	BF5420130100
465.LUK.02	BF5420176100
465.LUK.03	BF5420172100
465.LUK.04	BF5420273100
465.LUK.05	BF5420320100
465.LUK.06	BF5420239100
465.LUK.11	BF901607262
465.LUK.16	BF901636032
465.TRW.06	BF901516153
465.VIC.03	BFV10F1P7P38D5
577.23502	SAP24150
577.23508	SAP22128
577.23509	SAP22094
577.23515	SAP30016
577.55509	SAP24080
577.55611	SAP22050
577.55617	SAP22024
577.55623	SAP22056
577.62512	SAP20014
577.90502	SAP22046
577.90516	SAP22080
577.90517	SAP22040
577.99527	SAP24010
577.99533	SAP22014
577.A5335	SAP30002
577.A5338	SAP30026
750.210088-1X	BL88107ACS

**COMPETITOR No PART No**

**AUTOMANN**

750.210121-1X	BL210121-1X
750.210391-1X	BL88508ACS
750.210661-1X	BL88512ACS
750.210661-1XSA	BL5003323
750.902010T-X	BL88107A
752.1220R	BL-CP20RPLS
752.1225R	BL-CP25RPLS
752.5092X	BL860
752.5103X	BL338
752.51306X	BL315G
752.5155X	BL358
752.5160X	BL330
752.5188X	BL351
752.5213X	BL354
752.5213X	BL433
752.5279X	BL333
752.5280X	BL334
752.5281X	BL381
752.53147X	BL534G
752.5324X	BL480
752.5407X	BL376
752.5460X	BL448
752.5674X	BL475
752.5675X	BL476
752.5677X	BL477
752.57000X	BL7100
752.SPL140X	BL-SPL140
752.SPL170X	BL-SPL170
752.SPL250X	BL-SPL250
A83019	BF78117
A83025	BF78162
A83041	BF78189
A83054	BF78161
A85031	BF78128
A85070	BF78159
A85307	BF99001
A85311	BF99417
A85705	BF99416
A85711	BF99402
A85724	BF99425
A85736	BF99471
A85901	BF99901
A85918	BF99918
A85924	BF99924
A85957	BF78144
A89443	BF78490
A89457	BF78147
KP100	SAP-E700L
MR668	BF37904000
MR712	BF37904000
MR782	BF-RB268

**AUTOTEAM**

AB0106A	ID0027
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**AYWIPARTS**

AW1310087R	SE5321LR
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**COMPETITOR No PART No**

**BALDWIN FILTERS**

BA5373	SAP65624
BA5373.JAB	SAP65624
BA5374	SAP106309
BA5374.JAB	SAP106309
BA5377	SAP107794
BA5377.JAB	SAP107794
BA5566	SAP432901

**BARKSDALE**

660073403	660073403
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**BARSANCO**

570-178	2E0001
580-002	2E0001
580-006	2E0001

**BENDIX**

065146	SAP065146
065691	SAP065691
102626	SAP102626
102802N	SAP102802
103009	SAP103009
103010	SAP103010
104535	SAP286364
106106	530P25011
106107	530P25010
106108	530P50130
107082	SAP107082
107516	SAP107516
107653	SAP107653
107654	SAP107654
107695	SAP107695
107794	SAP107794
107794BXWRMAN	SAP107794
107796	SAP107794
107796BXW	SAP107794
107969	SAP107979
108841	530P08841
108843	530P25500
109477	SAP65612D
109493BXR	SAP65624
109493X	SAP65624
109685	SAP65225BKT
109685	SAP65225D
109991	SAP065691
131081	SAP131081
205105	SAP205105
226135	SAP-FF3838
226293	SAP-FS3838
227788	SAP-KN23000
228600	SAP228600
228600N	SAP228600
228750	SAP228750
228750N	SAP228750
228790N	SAP30242L
228798N	SAP30248L
229635	SAP229635
229859	SAP229859
229860	SAP229860
234099	TYPE20L

**COMPETITOR No PART No**

**BENDIX**

234100	TYPE24L
234101	TYPE30L
234189	TYPE16L
234226	TYPE12L
234362	TYPE36L
234433	TYPE9L
240931	SAP240931
245186	SAP245186
248433N	SAP245124
274746N	SAP228600
275150	SAP450L
275175	SAP275175
275491	SAP275491
275707N	530P84358
275707N	SAP275491
2771004	SAP2771004
278294	SAP49000L
278295	SAP49010L
278302	SAP278302L
278305	SAP278305L
278321	SAP47011L
278323	SAP278323L
278614	SAP278614
279000	SAP279000
279180	SAP279180
279416	SAP279416
279416N	SAP279416
280915	530P80915
281865	SAP281865
283411	SAP283411L
283413	SAP229859
286171	SAP286171
286364	SAP286364
286370	SAP286370
286404N	SAP13250
286965	SAP288282L
287238	SAP287238
288282	SAP288282L
288539	SAP288539L
288540	SAP288540L
288605N	530P88605
289042	SAP229859
289714	SAP289714
293510	SAP293510
5004187	SAP107082
5004187	SAP5004187
5004188	SAP107082
5004188	SAP5004187
5004341	SAP04341
5005037	SAP103547
5006939	530P09660
5007117N	SAP1012L
5007118N	SAP1016L
5007121N	SAP1030L
5008414	SAP106309
5008414BXW	SAP106309
5008558	SAP5008558
5010696	SAP801266
5010696X	SAP801266
5010803	SAP-K056649

COMPETITOR No	PART No
<b>BENDIX</b>	
5010803	SAP801463
5010806	SAP-K056649
5010806	SAP5018485
5010806	SAP801463
5011427	SAP801463
5011441	SAP-K056649
5012459	SAP-K056649
5012464	SAP-K056649
5012510	SAP-K056649
5012533	SAP5018485
5012533	SAP801463
5014177	SAP-K056649
5014180	SAP-K056649
5014235	SAP-K056649
5014236	SAP-K056649
5014401	SAP-K056649
5014402	SAP-K056649
5014427	SAP-K056649
5014428	SAP-K056649
5014428	SAP5018485
5014482	SAP-K056649
5015533	SAP801266
5018485	SAP5018485
5018485X	SAP5018485
5018514	SAP5018485
5018516	SAP5018485
5018522	SAP5018485
5018523	SAP5018485
5018653	SAP5018485
65125	SAP065125
65146	SAP065146
65146N	SAP065146
65157	SAP800516
65166	SAP65166A
65170	SAP65170A
65172	SAP65172A
65174	SAP65174A
65176	SAP65176A
65186	SAP800519
65225	SAP65225BKT
65225	SAP65225D
65612	SAP65612D
65613	SAP800629
65624	SAP65624
65690	SAP065690
65706	SAP065706
800202	530P09689
800383	SAP801266
800404	SAP63310D
800405	530P00405
800515	SAP800515
800516	SAP800516
800519	SAP800519
800629	SAP800629
800824	SAP1020L
800825	SAP1024L
800887	530P09991
800887	SAP065691
800909	SAP24011L
800910	SAP30011L

COMPETITOR No	PART No
<b>BENDIX</b>	
800919	SAP24424L
800919	SAP30003L
801266	SAP801266
801463	SAP801463
801465	SAP-K056649
801541	SAP30000
801542	SAP30170
801545	SAP30140
801546	SAP30154
801547	SAP30142
801548	SAP30152
801549	SAP30158
801550	SAP30166
801551	SAP30148
801552	SAP30168
801553	SAP30150
801563	SAP30156
801798	SAP-K056649
801826	SAP-K056649
801843	SAP65225D
802081	SAP-BRK038573HD
802082	SAP-BRK038574HD
802541	3030XLS
802569	SAP-BR802569HD
802767	SAP5018485
BR950011BXW	SAP106309
K011815	SAP-HG035912KIT
K020253	SAP-CH03987KIT
K020253	SAP-K031987
K020801	SAP-K031987
K022105	530P22105
K022105	SAP-K022105
K023600	SAP-K023600
K028022	SAP-AD18
K028225	SAP-AD20
K028226	SAP-AD16
K028252	SAP-AD24
K031986	SAP-K031987
K031986SC	SAP-K031987
K031987	SAP-K031987
K034655	SAP-K035912
K035912X	SAP-K035912
K041870	SAP10215
K041960	SAP-AD2024
K042457	SAP-AD1624
K043270	SAP-AD2424
K043329	SAP-AD1824
K046157	530P09685
K048938	SAP-K056649
K048939	SAP-K056649
K048940	SAP-K056649
K056647	SAP-K056649
K056649	SAP-K056649
K066811	SAP-K056649
K066831	SAP-K056649
K066837	SAP-K056649
K070796	SAP-BPD1369
K095124	SAP-K031987
K095124	SAP-CH03987KIT
K095740	SAP-K031987

COMPETITOR No	PART No
<b>BENDIX</b>	
K129276	SAP-BPD1369
K132352	SAP-AD1824
K182235	SAP-BPD1369
NT3030STD-78	3030LS
OR275491X	SAP275491
<b>BEPCO INC</b>	
7009X	70377
<b>BERGKRAFT</b>	
BK760011	BF901808802
<b>BHS</b>	
351004481	530P00039
<b>BLUE BIRD</b>	
0073149	SAP800629
1066323	SAP103010
14860	660073403
3000823047	BF99471
8310625	SAP04341
8317554	SAP74032
<b>BLUE PRINT</b>	
ADC48754	SE7831LR
ADC48755	SE7831LR
ADC48771	SE7831LR
ADC48772	SE7831LR
ADT387155	SE2361LR
ADZ91144	1J0033-100
ADZ91146	1J0033-100
ADZ98615	BF231
ADZ98701	SE5321LR
ADZ98709	SE5321LR
<b>BMW</b>	
51169378059	BF232
51169378061	BF232
<b>BORG &amp; BECK</b>	
BTR4687	SE5321LR
BTR5742	SE5171LR
BTR5743	SE5171LR
BTR5746	SE7831LR
BTR5747	SE7831LR
<b>BORG WARNER</b>	
P-10311	70131
P-2020	70020
P-2041	70041
P-222	70353
P-3717	73717
P-4114	72114
P-476-DN	73710
P-476-1	73712
P-625	70004
P-725	70001
P-726	70032
P-727	70090
P-730	70091

COMPETITOR No	PART No
<b>BORG WARNER</b>	
P-739	70042
P-740	70047
P-743	70043
P-892	42062
P-9042	78001
P-9062	78002
P-912	23145
P-9302	36302
P-935CI	23713
P-966	32109
P-9701	78008
<b>BOSCH</b>	
0 001 109 035	2B0027
0 120 468 053	1B0002
0-001-109-014	2B0012
0-001-109-036	2B0012
0-001-109-250	2B0012
0-001-223-005	2B0012
0-120-468-053	1B0002
0-986-037-770	1B0002
1127	2B0002
1360012	2B0002
1360014	2B0002
1360019	2B0002
1360030	2B0002
1360031	2B0002
1360035	2B0002
1368001	2B0002
1368007	2B0002
1368008	2B0002
9-120-080-113	1B0028
986011270	2B0002
AL513X	1F0003DP
F 042 205 116	1J0033
F 042 205 116	1J0033-100
F 042 205 182	1J0033-100
F 042 300 187	1D0065
K S00 001 395	BF901808802
K S00 001 397	BF901808884
K S01 001 354	BF901808802
K S01 001 356	BF901808884
<b>BRUMMER</b>	
P-141	73158
P-2100	70151
P-215	23222
P-228	70152
P-234	70661
P-476-IN	73712
P-6053	71053
P-9301	21098
<b>BVP</b>	
1-87610119-0	SAP1020227
1-87610119-0	SAP2010227
1-87610120-0	SAP1020227
1-87610140-0	SAP1020226
1-87610140-0	SAP2010226
1-87610147-0	SAP1020226

COMPETITOR No	PART No
<b>BVP</b>	
5-87610077-0	SAPI030077
5-87610077-0	SAP2010077
5-87610078-1	SAPI020038
5-87610078-1	SAP2010038
5-87610079-0	SAPI020038
5-87610080-0	SAPI030220
5-87610080-0	SAP2010220
5-87610081-0	SAPI030220
5-87610082-0	SAPI030035
5-87610082-0	SAPI030107
5-87610083-0	SAPI030107
5-87610083-0	SAPI030035
5-87610083-0	SAP2010035
5-87610083-0	SAP2010107
5-87610089-0	90043
5-87610091-0	SAPI030077
52135460	SAPI030077
52135465	SAPI030035
5876102040	SAPI030220
5876102340	SAPI020226
5876150060	SAPI030108
5876150060	SAP2010108
5876150100	SAPI030108

COMPETITOR No	PART No
<b>BWB</b>	
510035B	SAPI020070
510035B	SAPI030035
510038	SAPI020038
510077B	SAPI030077
510107B	SAPI030107
510108B	SAPI030108
510220B	SAPI030220
510226	SAPI020226
510227	SAPI020227
561042	SAP3010548
561055	SAP3010655
562035	SAP3010540
581039	SAP2010038
581040	SAP2010035
581042	SAP2010092
581047	SAP2010077
581054	SAP2010220
581055	SAP2010655
582035	SAP2010047
582061	SAP2010107
582066	SAP2010108
582085	SAP2010227
582087	SAP2010226

COMPETITOR No	PART No
<b>BWP</b>	
M-5096	BF873CB
M-698	SAP-E700L

COMPETITOR No	PART No
<b>CARDONE SELECT</b>	
2J-404	530P00009
55-13617	21098
55-21316	32109
55-21511	42062
55-23323	72114
55-23327	72114

COMPETITOR No	PART No
<b>CARDONE SELECT</b>	
55-31411	23145
55-91121	23713
55-91412	70047
55-91512	70001
55-91513	70020
55-91514	70032
55-91515	70042
55-91517	70001
55-91813	70004
55-91817	70041
58-375	23145
58-513	23145
58-537	32109
58-540	72114
58-554	72114
58-567	32109
58-595	21098
58-629	23145
58-663	71053
58-682	78008
58-697	71053

COMPETITOR No	PART No
<b>CARGO</b>	
110237	1F0003DP
110462	2E0001
112159	1B0002

COMPETITOR No	PART No
<b>CARLISLE</b>	
BN1443E21	SAP1443E
M4515G0B2300CAB	SAP-A4515STD

COMPETITOR No	PART No
<b>CARRIER TRANSICOLD</b>	
30-00108-03SV	40223N
30-01108-02	40223N
30-01108-03	40223N
30-01108-04	40223N
30-01108-04SV	40223N
30-01108-11	40223N
30-01108-12	40223N
30-01108-13	40223N

COMPETITOR No	PART No
<b>CARTER</b>	
P4070	SAP-P4070
W2099M	70350
WHD6307M	73712

COMPETITOR No	PART No
<b>CASALS</b>	
R7165	SE7831LR
R7166	SE7831LR
R7432	BF75323
R7585	SE7831LR
R7586	SE7831LR
R9726	SE7831LR
R9727	SE7831LR
R9949	BF75323

COMPETITOR No	PART No
<b>CASCO</b>	
CAL10106AS	1D0027
CAL10690GS	1J0033-100
CSP63102AS	BF901808802

COMPETITOR No	PART No
<b>CASCO</b>	
CSP63102GS	BF901808802
CSP63104GS	BF901808884

COMPETITOR No	PART No
<b>CASE</b>	
121555C91	2D0004
121555C91	2D000711
202383T91	2D0042
202384T91	2D0042
262762C91	2D0004
K308650	2E0001

COMPETITOR No	PART No
<b>CASE NEW HOLLAND</b>	
118481A1	SAP370069A
87638772	SAP106309
L10392	SAP205105

COMPETITOR No	PART No
<b>CATERPILLAR</b>	
OR-1623	SAP-K056649
OR-1623	SAP801463
OR-1624	SAP-K056649
OR-1624	SAP801463
OR2191	2D0042
OR5347	2D0004
OR8217	70335
1006944	70376
102-2240	SAP24010
1022240	SAP24010
1025844	70377
10R-1437	SAP-K056649
10R-1437	SAP801463
10R0483	70393
10R0484	70350
10R2776	70342
10R3326	70342
10R6225	70342
10R8660	70342
121-5895	SAP103547
129-6579	SAP289714
129-6580	SAP286364
1463503	2D0042
191-6521	SAP801463
1J-6983	SAP102626
201-6615	SAP30018
2016615	SAP30018
207-1564	2D0044
2071556	2D0006
20R-0177	SAP-K056649
20R-0178	SAP801463
2175232	SAP-HG056649KIT
223-36-37	SAP801463
223-3636	SAP801463
224-4536	SAP22012
2243238	70342
2443237	70342
245-4630	SAP30020
2454630	SAP30020
2463132	70342
248-2169	SAP22014
255-4160	SAP801463
274-6719	SAP22018

COMPETITOR No	PART No
<b>CATERPILLAR</b>	
2764755	70342
280-7374	70342
2G5170	SAP229859
2M-9349	SAP450L
2N2761	2D000711
2W1225	70020
2W1227	70043
3362213	70342
353-7137	SAP801463
385-0937	SAP801463
3E7863	2D0042
3T2654	2D0004
3T3156	2D0042
3W5687	SAP-HC114009
4N0957	2D0006
4N1062	2D0006
4N8118	2D0006
4P3683	70353
4R-3216	SAP450L
5X-0264	SAP102626
613890	70393
644223	SAP228750
6N1889	2D0006
6T0640	2D0006
7004X	70043
7008X	70020
7C4957	70335
7E-8926	SAP107516
7E8554	70377
7J-7253	SAP228600
7L0794	2D0044
7L0800	2D0044
7L0801	2D0044
7L0806	2D0044
7L8797	2D0006
7N6503	2D0007
7V4077	BL475
7W7019	70335
8C3645	2D0006
8H1813	2D0006
8H1913	2D0006
8L8206	2D000711
8M.J5439M	2D0042
8V-5017	SAP229860
8X-6703	SAP102626
9J-9965	SAP286370
9L3597	2D0007
9N1249	70020
9N3076	70041
9N6147	70041
9V4879	70353
9Y4361	70377
A7X2159	SAP279180
A7X2173	SAP228600
KW0779	2D0042
M7X6525	SAP229859
OR0705	70376
OR0781	70020
OR1015	70353
OR2187	2D0006

COMPETITOR No	PART No
CATERPILLAR	
OR2190	2D0006
OR2191	2D000711
OR3007	70353
OR3709	70376
OR4120	70393
OR4259	2D0006
OR5208	2D0007
OR5218	2D0007
OR8218	70393
OR8330	70393
OR8767	70376
PR5347	2D000711
PR5348	2D000711

CEVAM	
9202	1J0033-100

CHELSEA	
328388-79X	SAP38879X

CHEVROLET	
22064489	BF99000

CHICAGO RAWHIDE	
38780	SAP370023A
40136	SAP370036A
42623	SAP370065A
42672	SAP370031A
43764	SAP370048A
43860	SAP370019A
45099	SAP370022A
45160	SAP370021A
46304	SAP46300
46305	SAP370025A
46305	SAP46305
47697	SAP370003A
47697	SAP47697
48000	SAP370005A

CHRYSLER	
05010964AB	23145
05010964AB	73158
05086959AA	23145
05086959AA	73158
05086959AB	73158
05103576AB	78008
1643277	ES187LR
1643277	ES3476-77LR
1643277	ES423LR
17752317	BL333
2585607	ES346LR
2585608	ES2090-91LR
3283803	23145
3634207	ES431LR
3733703	SAP-HC114024
3744496	ES423LR
3802004	23145
3802358	23145
3802970	23145
3893149	SAP-HC114009

COMPETITOR No	PART No
CHRYSLER	
4030164	SAP229860
4429404	23145
4723690	23145
4863970	SAP74060
5010 964AB	23145
5010964AA	23145
5010964AA	73158
5010964AB	73158
5086 959AA	23145
5086959AA	73158
5086959AB	73158
5103 576AA	78008
5103 576AB	78008
F3HZ-8501ARM	23145
R4723690	23145
R500 3665AA	23145

CLEVITE	
834840	BF37904000

CONMET	
10001803	SAP3141X
10005331	SAP3710X
10005332	SAP3758X
10012097	SAP3807X
1001779	SAP3141X
1001801	SAP3141B
10025445	SAP-BR802569HD
10041006	SAP-BRK038574HD

CONTITECH	
9 10S-16 A 382	BF-U9781SA

COOPER STANDARD	
086714A001	SAP20012

CUMMINS	
121609	2D0042
132798	2D0042
139310	2D0042
147332	2D0042
147333	2D0042
167497	2D000711
2105668	BF5420239100
2106266	BF5420239100
2244536	SAP22012
2288312	2D0006
2746719	SAP22018
2871253	2D0044
2881805	73158
2897331	SAP22030
2897334	SAP22030
2897691	SAP80702
3021035	2D000711
3021036	2D0006
3021036RX	2D0044
3022474	70001
3027174	70001
3045943	70032
3080406	SAP22052

COMPETITOR No	PART No
CUMMINS	
3081311	SAP24048
3083716	SAP22052
3085185	SAP24012
3085185NX	SAP24012
3103403	SAP9111535200
3103403	SAP9111539202
3103916	2D0044
3104216RX	SAP9111535100
3275183	2D000711
3285414	73158
3286277	23145
3286277RX	23145
3286278	73158
3286278RX	73158
3328550	2D0006
3328552	2D0006
3330141	SAP22080
3330527	SAP22048
3330999	SAP22146
3331230	SAP24006
3331231	SAP24006
3401009	70092
3406A-001C	BF911483102
3406N-001	BF901403406
3406Z07-010-A	BF3406Z07010A
3408377	SAP22146
3408503	SAP30006
3408607	SAP80702
3408645	SAP74634
3417142	SAP24018
3417183	SAP24018
3417185	SAP24006
3558163	SAP9111535200
3558163	SAP9111539202
3603862	2D0006
3603862RX	2D0006
3603863	2D000711
3603863RX	2D0004
3603863RX	2D000711
3603864	2D0007
3603864RX	2D0007
3604321RX	2D0006
3604322RX	2D000711
3604323	2D0007
3604648RX	2D0011
3604665RX	2D0042
3612521	SAP20012
3613114	SAP24048
3613604	SAP24048
3613819	SAP24048
3675152RX	2J0004
3675174RX	1D0024
3675201RX	1D0024
3675218RX	1D0065
3675221RX	1D0065
3675240RX	1D0027
3675259RX	2D0011
3680441	SAP9111535200
3683651	70153
3684449	70153

COMPETITOR No	PART No
CUMMINS	
3684450	70152
3684450	70153
3800479	70092
3800737	70091
3800745	70092
3801708	70032
3801788	70001
3802004	23145
3802081	70047
3802358	23145
3802923RX	73158
3802970	23145
3802971	23145
3803361	70090
3803403	70091
3803605	70090
3803605RX	70090
3804826RX	70093
3804883	70047
3804883RX	70047
3804927	70661
3806180	70047
3865312	SAP24048
3903749	23145
3910645	2D0007
3913430	70047
3913432	23145
3916854	2D0011
3920312	23145
3920617	1D0024
3927015	73158
3928395	23145
3940052	70661
3946686	SAP22046
3972735	1D0057
4003929	70092
4025097	70151
4025702	70151
4053825	SAP9111535200
4059825	SAP9111535200
4069825	SAP9111535200
4076493	SAP22030
4087989	SAP22046
4087991	SAP22022
4089142	23145
4089158	70151
4089158	70152
4089206	SAP9111539212
4089207	SAP9111539202
4089238	SAP9111549292
4089647	70661
4089908	70151
4089910	70152
4089952	70661
4309439	SAP9111539202
4309440	SAP9111539212
4327029	SAP74634
4383932	SAP68226
4386576	70153
4902720	SAP22120

COMPETITOR No	PART No
<b>CUMMINS</b>	
4903479	SAP22046
4903489	SAP20012
4921473	SAP24018
4921475	SAP24006
4921487	SAP22052
4921493	SAP22080
4921495	SAP22048
4921499	SAP22146
4921501	SAP22040
4921511	SAP22174
4921517	SAP22022
4921599	SAP30014
4921744	SAP22022
4921746	SAP22046
4928594	SAP22046
4935793	73158
4936225	SAP9111539212
4936226	SAP9111539202
4936879	1D0057
4952756	SAP9111535200
4955705	70091
4955706	70092
4972857	70092
4972862	70091
4984223	SAP30006
5284084	2D0044
5301094	SAP9111535300
5406048	70154
554998	2D000711
7050X	70001
7065X	70042
707328	2D0044
707328RX	2D0044
AR4283	70042
AR4284	70042
AR45184	70001
AR45184RX	70001
AR45217	70032

<b>CV PSH</b>	
135.606.060.360	1J0033-100
135.606.060.410	1J0033-100
135.606.060.415	1J0033-100
135.606.080.080	1J0033-100
135.606.080.265	1J0033-100
135.606.080.360	1J0033-100
645008160150	1D0067
645008160380	1D0067

<b>DA SILVA</b>	
011747	1J0033-100

<b>DAEWOO</b>	
65262017059	2J0004

<b>DAF</b>	
1505334	SAP61260H
1505967	SAP4324101520
1505967	SAP43241D

COMPETITOR No	PART No
<b>DAF</b>	
1506504	SAP9753034730
1517963	SAP4324101520
1518231	SAP30010H
1518856	SAP40000L
1519209	SAP93470P
1778280	78280
1828141	78280
1828142	78280
670766	SAP4170P

<b>DAIHATSU</b>	
04431-87303	BF706
45046-39065	SE2361LR
45046-39095	SE2361LR
45046-87380	SE3181LR
45046-87670	SE3181LR
45047-87381	SE3181LR

<b>DANA</b>	
472HH100	SAP100495
M13SC102-1	SAP-E700L

<b>DAYTON</b>	
05-667	SAP10215
1-124	SAP4515E
11-0212	SAP-E700L
11-0212-4140	SAP-E700L
12-40012	TYPE12L
12-40016	TYPE16L
12-40020	TYPE20L
12-40036	TYPE36L
12-40416	SAP450L
123207	SAP3600A
125700	SAP-BRM44D76613HD
125702	SAP-BRM44D71601HD
125704	SAP-BRM44D75180HD
21411R	ES411LR
300-124	BF420C
300-125	BF450A
300-129	BF466
300-131	BF469A
300-136	BF472A
300-140	BF477AR
300-159	BF465A
300-182	BF504
300-188	BF517
300-197	BF523DC
300-201	BF572DC
300-202	BF570DC
300-204	BF534B
300-207	BF537
300-209	BF722
300-212	BF539BIR
300-213	BF538BIR
300-214	BF525
300-215	BF546M
300-216	BF547
300-217	BF548
300-221	BF817
300-228	BF825

COMPETITOR No	PART No
<b>DAYTON</b>	
300-232	BF823
300-233	BF830
300-245	BF834
300-264	BF836
300-267	BF846CB
300-268	BF1108
300-274	BF841
300-275	BF842
300-276	BF849
300-282	BF1108
300-288	BF852
300-289	BF858
300-293	BF850
300-297	BF850
300-303	BF867
300-305	BF868
300-316	BF873CB
300-340	BF1107
301-133	BF470
306-162	BF700
310-266	ES2035-36LR
310-267	ES2035-36LR
310-398SF	ES2090-91LR
334-1143	SAP90054007
334-1648	660073403
334-1967	SAP-KN27000
346-377	BF72372
346-388	BF72440
346-421	BF72552
346-520	BF72560
346-521	BF79238
346-535	BF75168
346370	BF72358
4311W01	SAP4311E
AV065186	SAP800519
AV065225	SAP65225BKT
AV065225	SAP65225D
AV10005A	SAP-A10005A
AV102626	SAP102626
AV103009	SAP103009
AV103010	SAP103010
AV107695	SAP107695
AV107794	SAP107794
AV205105	SAP205105
AV228600	SAP228600
AV228750	SAP228750
AV229635	SAP229635
AV229859	SAP229859
AV229860	SAP229860
AV275491	SAP275491
AV278614	SAP278614
AV279180	SAP279180
AV279416	SAP279416
AV281865	SAP281865
AV286171	SAP286171
AV286364	SAP286364
AV286370	SAP286370
AV287238	SAP287238
AV800405	SAP04341
AVA1000S	SAP1000R

COMPETITOR No	PART No
<b>DAYTON</b>	
AVA68230	SAP68230
AVBE13250	SAP13250
AVKN20615	SAP-KN20615
AVKN23000	SAP-KN23000
AVKN23010	SAP-KN23010
AVKN28060	SAP-KN28060
AVKN28500	SAP-KN28500
AVKN28520	SAP-KN28520
AVKN30400	SAP-KN30400
CN210391-1X	BL88508ACS
HD18M	SAP3710X
HD2	SAP3166X
HD23	SAP3141B
HD26M	SAP3807X
HD3	SAP3141X
N210084-2X	BL88509ACS
N4-1090	BL-SPL90
N6-0407	BL376
N6-0677	BL477
N6-1170	BL-SPL170
N6-1250	BL-SPL250
RB-157-OS	BF-RB268
RB-205	BF-RB268
RB-233	BF37904000
RB-268	BF-RB268
SB23DP4707QP	SAP4707Q
SB23M1308E	SAP1308E
SB23M1308Q	SAP1308Q
SB23M4515Q	SAP4515Q
SB23M4702QP	SAP4702
SB23M4709E2	SAP4709
SB23M4715QP	SAP4715
SB23M4720QPS	SAP4720

<b>DELCO REMY</b>	
10459509	1D0001DP
10459509	1D0001SP
10461020	2D0042
10461045	2D0004
10461068	2D0044
10461073	2D0042
10461178	2D0004
10461213	2D0042
10461268	2D0042
10461272	2D0042
10461318	2D0042
10461334	2D0042
10461592	2D0042
10461753	2D0042
10461754	2D0044
10461755	2D0042
10461769	2D0026
10461777	2D0042
10462155	2D0042
10462175	2D0042
10462196	2D0042
10463268	1F0003DP
10463269	1F0003DP
10463270	1F0003DP
10465026	2D0011

COMPETITOR No	PART No	COMPETITOR No	PART No	COMPETITOR No	PART No	COMPETITOR No	PART No
<b>DELCO REMY</b>		<b>DELCO REMY</b>		<b>DELCO/FORD</b>		<b>DELCO/FORD</b>	
10465043	2D0011	8200221	2D0044	10479100	2D0006	1990390	2D0006
10465407	2D0011	8200288	2D0042	10479111	2D0006	1990392	2D000711
10478810	2D0042	8200308	2D0042	10479117	2D0007	1990394	2D0007
10478894	2D0042	8200330	2D0044	10479121	2D0006	1990398	2D000711
10478895	2D0042	8200433	2D0043	10479211	2D0006	1990399	2D0007
10478898	2D0044	8200434	2D0064	1108251	2D0006	1990400	2D000711
10478963	2D0042	8200435	2D0045	1113905	2D0006	1990403	2D0007
10478998	2D0044	8200571	2D0069	1114081	2D000711	1990409	2D0006
10479028	2D0042	8200605	2D0042	1114749	2D000711	1990410	2D0006
10479030	2D0042	8200724	2D0044	1114769	2D000711	1990412	2D0006
10479037	2D0042	8300005	2D0026	1114819	2D000711	1990418	2D0006
10479038	2D0042	8300009	2D0042	1114892	2D000711	1990420	2D000711
10479062	2D0042	8300031	2D0042	1114900	2D000711	1990422	2D0006
10479072	2D0042	8600017	1D0057	1114901	2D000711	1990423	2D000711
10479081	2D0042	8600020	1D0057	1114913	2D000711	1990424	2D000711
10479082	2D0042	8600066	1D0065	1117897	1D0024	1990425	2D0007
10479111	2D0044	8600154	1D0057	1117900	1D0024	1990429	2D0007
10479112	2D0042	8600223	1D0054	1117917	1D0019	1990437	2D0006
10479150	2D0042	8600261	1D0054	1117919	1D0019	1990441	2D0007
10479156	2D0042	8600310	1D0067	1117920	1D0019	1990443	2D0007
10479157	2D0042	8600312	1D0054	1117921	1D0019	1990444	2D0006
10479160	2D0042	8600313	1D0054	1117922	1D0019	1990452	2D0007
1113276	2D0011	8600314	1D0051	1117934	1D0019	1990456	2D0006
1114051	2D0004	8600360	1D0057	1117944	1D0024	1990460	2D0006
1114102	2D0004	8600407	1D0057	1117964	1D0019	1990461	2D0006
19011500	2D0042	8600454	1D0054	19010108	1D0024	1990468	2D000711
19011505	2D0042	8600504	1D0057	19010111	1D0024	1990469	2D0007
19011506	2D0042	8600889	1D0068	19010182	1D0024	1990470	2D000711
19011508	2D0042	8700019	1D0057	19010199	1D0024	1990471	2D0007
19011509	2D0044	DRA 3874	1J0004	19010202	1D0019	1990475	2D000711
19011516	2D0042	DRA7770	1B0002	19020306	1D0027	1990477	2D000711
19011518	2D0042	DRA8200605	2D0042	19020310	1D0027	1990478	2D000711
19011519	2D0042	DRS3144	2J0004	19020381	1D0027	1990480	2D0007
19011521	2D0042			1990337	2D000711	1990483	2D000711
19011522	2D0044			1990344	2D0006	1990485	2D0006
19011529	2D0042			1990348	2D000711	1990487	2D0007
19026028	2D0026			1990352	2D000711	1990490	2D000711
19026029	2D0026			1990353	2D0007	1990491	2D0006
1990352	2D0042			1990354	2D000711	1990493	2D0006
1990355	2D0042			1990356	2D0007	1990495	2D000711
1990358	2D0042			1990358	2D000711	1990496	2D0007
1993803	2D0042			1990361	2D0006	1993772	2D0007
8000111	2B0027			1990362	2D0007	1993775	2D0007
8000277	2B0027			1990363	2D000711	1993795	2D0007
8000344	2B0027			1990367	2D0006	1993802	2D0006
8000509	2B0027			1990368	2D0006	1993803	2D000711
8000531	2B0027			1990370	2D0007	1993805	2D0006
8200005	2D0026			1990374	2D0007	1993806	2D0007
8200009	2D0044			1990375	2D000711	1993807	2D000711
8200022	2D0044			1990376	2D000711	1993810	2D0006
8200025	2D0026			1990378	2D0006	1993816	2D000711
8200029	2D0042			1990379	2D0007	1993820	2D0007
8200033	2D0042			19903803	2D000711	1993842	2D0006
8200034	2D0044			1990382	2D0006	1993924	2D0006
8200038	2D0042			1990383	2D0006	1993935	2D0007
8200041	2D0044			1990384	2D0006	1993937	2D0007
8200050	2D0042			1990385	2D0007	1993938	2D0007
8200088	2D0042			1990386	2D000711	1993939	2D0007
8200091	2D0042			1990387	2D0007	1993942	2D0007
8200196	2D0069			1990388	2D0006	1993943	2D0007
		<b>DELCO/FORD</b>					
		10459026	1D0024				
		10459205	1D0027				
		10459217	1D0027				
		10459254	1D0027				
		10459472	1D0027				
		104603368	2D0006				
		10461021	2D0007				
		10461024	2D0006				
		10461030	2D0006				
		10461032	2D0007				
		10461033	2D000711				
		10461038	2D000711				
		10461043	2D0006				
		10461047	2D0006				
		10461050	2D0007				
		10461052	2D000711				
		10461068	2D0006				
		10461235	1D0024				
		10461414	2D0007				
		10478810	2D000711				
		10478980	2D0006				
		10478986	2D0006				
		10478996	2D0006				
		10478998	2D0006				
		10479052	2D0007				

The numbers used for cross reference and the photos provided are for informational purposes only. All brands and references listed in the catalog belong to the respective companies.

COMPETITOR No	PART No
<b>DELCO/FORD</b>	
1993961	2D0007
1993978	2D0006
1993983	2D0007
323855	2D0007
323858	2D0006

<b>DELPHI</b>	
TA5544	ES3274-75LR
TA5578	ES346LR
TL490	BF71958

<b>DENSO</b>	
1280004660	2J0004
1280004661	2J0004
228000-0090	2D0044
228000-8180	2J0064
228000-8181	2J0064
228000-8182	2J0064
280007791	2J0004
428000-4420	2D0042
428000-4430	2D0042
428000-4440	2D0042
428000-5120	2J0130

<b>DETROIT DIESEL</b>	
23505895	70131
23513015	BF5420176100
23514708	SAP24150
23515250	SAP24060
23515251	SAP24062
23516841	SAP5004187
23517027	70131
23518215	70131
23520136	70131
23520380	SAP20008
23522123	SAP5004187
23522322	SAP22128
23522707	70131
23523904	70131
23526039	70131
23527830	SAP24066
23527831	SAP24068
23528418	SAP22176
23530427	70129
23531257	70129
23531258	70130
23532542	70129
23532543	70130
23532797	SAP22094
23532832	SAP5018485
23535017	70129
23535018	70130
23535534	SAP5018485
4722000701	70101
7126X	70131
8929387	SAP30010
8929388	SAP30016
A0071530228	SAP-A0071530228
A4711302515	SAP-K035912
A4712000901	70132

COMPETITOR No	PART No
<b>DETROIT DIESEL</b>	
A4722001601	70132
EA4712001101	70132
EA4722001601	70132
EA4722002001	70132
R0461127	2D0042
R0461178	2D0004
R23505895	70131
R235218215	70131
R23522707	70131
R23523904	70131
R23526039	70131
R23530427	70129
R23531257	70129
R23531258	70130
R23535017	70129
R23535018	70130
R23535534	SAP5018485
R23539601	70131
R3505895	70131
R3518216	70131
R3520136	70131
RA4711302515	SAP-K035912

<b>DEUTZ</b>	
4434820	SAP9753034730

<b>DIETZ CO</b>	
16-91073	530P00098
16-95103	530P00100

<b>DIMETAL</b>	
4611523	SAP9753034730

<b>DINA</b>	
226H050030	BF901636032
226H050040	BF901691101
22H050080	BF5420172100

<b>DINA (DIMEX)</b>	
226H050040	BF901691101
226H050080	BF5420172100

<b>DIXIE</b>	
265-50100	2E0001
A-215	1F0003DP
A-215N	1F0003DP
A-6463	1B0002
TS-1755	2D0026
TS-4014	2E0001

<b>DJ PARTS</b>	
DE1451	SE5171LR
DE1452	SE5171LR

<b>DOLZ</b>	
I208	90025

<b>DORMAN</b>	
455-5004	SAP-A6910
505-5110	SAP30008

COMPETITOR No	PART No
<b>DORMAN</b>	
505-5203	SAP24014
904-5050	SAP22022
904-5052	SAP22046
904-7029	SAP22014
904-7104	SAP22052
904-7109	SAP24006
904-7113	SAP22040
904-7133	SAP22080
904-7142	SAP24018
904-7244	SAP22128
904-7247	SAP30010
904-7251	SAP30016
904-7254	SAP22042
904-7505	SAP22024
904-7513	SAP22054
924-5205	SAP20010
924-5205CD	SAP20010
924-5506	SAP20014
978-5502	530P00097
978-5511	530P00096

<b>DRESSER</b>	
1305787H91	1D0024
1307203H1	1D0024
PB6874	1D0024

<b>DRI</b>	
243128802	1J0033-100

<b>DT SPARE PARTS</b>	
4.61747	BF901808802
4.64430	BF901808884
4.64430SP	BF901808884

<b>DUBOIS</b>	
916608	2E0001

<b>EASTERN</b>	
18-1086	70041
18-1087	70020
18-1091	73710
18-1109	23145
18-1134	70042
18-1230	70004
18-1264	70032
18-1285	70043
18-1293	36302
18-1309	70001
18-1366	73712
18-1419	70047
18-1487	32109
18-1575	72114
18-1575NT	72114
18-1628	21098
18-1693	73716
18-401	70001
18-5061	23713
18-602	23145
18-605	42062

COMPETITOR No	PART No
<b>EATON</b>	
1008311	SAP1308E
1008313	SAP1308E
1008345	SAP431E
107915-1	SAP107915-1
108001-56A	SAP108391-74B9
108050-1	SAP108050-59
108050-1A	SAP108050-59
108050-1B	SAP108050-59
108050-52	SAP108050-59
108050-52A	SAP108050-59
108050-52B	SAP108050-59
108050-58	SAP108050-59
108050-58B	SAP108050-59
108050-59	SAP108050-59
108050-59A	SAP108050-59
108050-59B	SAP108050-59
108059-59	SAP108050-59
108063-59	SAP108063-59A
108391-21	SAP108391-74B9
108391-3	SAP108391-74B9
108391-3A	SAP108391-74B9
108391-3B	SAP108391-74B9
108391-74	SAP108391-74B9
108391-74A	SAP108391-74B9
108391-74B	SAP108391-74B9
108391-93H	SAP108391-93HB9
108675-80	SAP108925-82B9
108675-80B	SAP108925-82B9
108675-82	SAP108925-82B9
108675-82B	SAP108925-82B9
108925-25	SAP108925-25B9
108925-52	SAP108925-82B9
108925-82	SAP108925-82B9
108925-82A	SAP108925-82B9
108925-82B	SAP108925-82B9
108925-92	SAP108925-82B9
108926-82	SAP108925-82B9
127592	SAP127592
127760	SAP127760
262-1635	BF849
326747	SAP4709
328312	SAP4709
328346	BF867
328347	BF868
328348	BF867
530480	SAP42627
73507	SAP173507
809812	SAP1308E
809872	SAP431E
A-5454	SAP-K2170
A5010	SAP-A6909
A68230	SAP68230
DL2360	BF71958
E11981	ES3297-98LR
E11982	ES3297-98LR
K-2170	SAP-K2170
K2170	SAP-K2170

<b>EATON FULLER</b>	
19974	SAP19974

COMPETITOR No	PART No
<b>EATON FULLER</b>	
A3546	SAP-A3546
A4688	SAP-A4688
A4740	SAP-A4740
A5000	SAP-A5000
A6909	SAP-A6909
A6910	SAP-A6910
A6913	SAP-A6913
A6915	SAP-A6915
A6918	SAP-A6918

COMPETITOR No	PART No
<b>EATON OUTRUNNER</b>	
849	SAP370023A
850	SAP370036A
851	SAP370065A
851	SAP376590A
852	SAP370031A
854	SAP370019A
856	SAP370022A
858	SAP370021A
859	SAP370025A
859	SAP46305
860	SAP370005A
861	SAP370003A
861	SAP47697

COMPETITOR No	PART No
<b>EATON SYNPLEX</b>	
3270-06104	SAP06104
3270-06124	SAP06124
3270-06164	SAP06164
3270-08104	SAP08104
3270-0812A	SAP08124
3270-0816A	SAP08164
3270-10103	SAP10103
4245-05204	SAP05204
4246-04106	SAP04106
4246-04126	SAP04126
4246-04166	SAP04166

COMPETITOR No	PART No
<b>ELGIN</b>	
KB420	BF420
KB420B	BF420B
KB420C	BF420C
KB421	BF421
KB450A	BF450A
KB465A	BF465A
KB466	BF466
KB469	BF469
KB469A	BF469A
KB470	BF470
KB472A	BF472A
KB477AR	BF477AR
KB478B	BF478B
KB478C	BF478C
KB492A	BF492A
KB504	BF504
KB505	BF505
KB517	BF517
KB522M	BF522M
KB523DC	BF523DC
KB525	BF525

COMPETITOR No	PART No
<b>ELGIN</b>	
KB534B	BF534B
KB537	BF537
KB538BIR	BF538BIR
KB539BIR	BF539BIR
KB546M	BF546M
KB547	BF547
KB548	BF548
KB570DC	BF570DC
KB571	BF571
KB572DC	BF572DC
KB602	BF602
KB605	BF605
KB645	BF645
KB700	BF700
KB706	BF706
KB722	BF722
KB817	BF817
KB823	BF823
KB825	BF825
KB826CB	BF826CB
KB829	BF829
KB830	BF830
KB834	BF834
KB836	BF836
KB838	BF838
KB841	BF841
KB842	BF842
KB846CB	BF846CB
KB848CB	BF848CB
KB849	BF849
KB850	BF850
KB852	BF852
KB853	BF853
KB858	BF858
KB861CS	BF861CS
KB867	BF867
KB868	BF868

COMPETITOR No	PART No
<b>EMS</b>	
220-347N	1B0002

COMPETITOR No	PART No
<b>ERF</b>	
1086672	SAP30010H
81521019132	SAP9753034730

COMPETITOR No	PART No
<b>ESEN SKV</b>	
10SKV086	BF901567502

COMPETITOR No	PART No
<b>ETS</b>	
16.TR.793	SE7831LR
16.TR.794	SE7831LR
39.TR.100	SE5321LR

COMPETITOR No	PART No
<b>EUCLID</b>	
E-10746	SAP953HD
E-11812C	BF873CB
E-11870	660073403
E-13922	SAP-KN27000
E-15061	SAPZ3000

COMPETITOR No	PART No
<b>EUCLID</b>	
E-2769S	SAP-K2769
E-3920	SAP4515E
E-4323	SAP90054007
E-4622	ES2035-36LR
E-4623	ES2035-36LR
E-5366	BF71958
E-5379	BF71986
E-6198B	BF1108
E-6818	BF72358
E-6940	SAP10215
E-700	SAP-E700L
E-8804	BF-RB268
E-8889	TYPE12L
E-8891	TYPE20L
E-8895	TYPE36L
E-9109	SAP450L
E-9891	BF72440
E-9903	BF72552
E-BN065225X	SAP65225D
E-BN102626N	SAP102626
E-BN103009N	SAP103009
E-BN103010N	SAP103010
E-BN107695N	SAP107695
E-BN107794X	SAP107794
E-BN131081N	SAP131081
E-BN205105N	SAP205105
E-BN228600N	SAP228600
E-BN228750N	SAP228750
E-BN229635N	SAP229635
E-BN229859N	SAP229859
E-BN229860N	SAP229860
E-BN275491N	SAP275491
E-BN278614N	SAP278614
E-BN279000N	SAP279000
E-BN279180N	SAP279180
E-BN279416N	SAP279416
E-BN281865N	SAP281865
E-BN286171N	SAP286171
E-BN286364N	SAP286364
E-BN286370X	SAP286370
E-BN287238N	SAP287238
E-BN800405N	SAP04341
E-MDBE13250N	SAP13250
E-MDKN23000N	SAP-KN23000
E-MDKN23010N	SAP-KN23010
E-MDKN28060N	SAP-KN28060
E-MDKN28500N	SAP-KN28500
E-MDKN28520N	SAP-KN28520
E-MDKN30400N	SAP-KN30400
E-MDKN68230N	SAP68230
E-SL1000-5A	SAP-A10005A
E-SLAI000S	SAP1000R
E15017	SAP-AS1133
E15061	SAPZ3000
E4434B	BF450A
E4437B	BF472A
E4438B	BF477AR
E4441B	BF465A
E4442B	BF504
E4442B	BF505

COMPETITOR No	PART No
<b>EUCLID</b>	
E4447B	BF517
E4450B	BF534B
E4452B	BF537
E4454B	BF700
E4455N	BF539BIR
E4456N	BF538BIR
E4458B	BF547
E4459B	BF548
E4460B	BF645
E4462B	BF817
E4468B	BF823
E4469B	BF830
E4471B	BF838
E4612	ES2061-62LR
E5484C	BF846CB
E6199B	BF848CB
E6450B	BF825
E6451B	BF525
E6868B	BF836
E6923B	SAP10142
E6924B	SAP10143
E6925B	SAP10140
E6927B	SAP10141
E6942	SAP10212
E6944	SAP10211
E9311B	BF466
E9313B	BF570DC
E9313N	BF523DC
E9314B	BF572DC
E9941B	BF849
ESL110170	SAP110170
ESL110171	SAP110171
ESL110500	SAP110500
ESL110700	SAP110700
MDKN20615N	SAP-KN20615

COMPETITOR No	PART No
<b>EVOBUS</b>	
8283657000	SAP9753034730
A0024314906	SAP9753034730

COMPETITOR No	PART No
<b>EX-FLEX</b>	
251050	2J0004

COMPETITOR No	PART No
<b>EXCEL</b>	
2908	2E0001
3016	2D0026
7058	1F0003DP

COMPETITOR No	PART No
<b>EXEDY</b>	
9J17A	SAP2010655
9J24A	SAP3010655
HNC540	SAP3010540
HNC548	SAP3010548
HND047U	SAP2010047
HND092U	SAP2010092
ISC572	SAP1020038
ISC572	SAP1030077
ISC592	SAP1030220
ISC599	SAP1020227
ISC600	SAP1030035

COMPETITOR No	PART No
<b>EXEDY</b>	
ISC616	SAP1030108
ISC617	SAP1030107
ISC629	SAP1020226
ISC655	SAP3010655
ISD036US	SAP2010655
ISD036US	SAP3010655
ISD036Y	SAP2010655
ISD058U	SAP1020227
ISD058U	SAP2010227
ISD084U	SAP1020226
ISD084U	SAP2010226
ISD087U	SAP1030108
ISD087U	SAP2010108
ISD088U	SAP1030107
ISD088U	SAP2010107
ISD098U	SAP1030220
ISD098U	SAP2010220
ISD136U	SAP1020038
ISD136U	SAP2010038
ISD141U	SAP1030035
ISD141U	SAP2010035
ISD153U	SAP1030077
ISD153U	SAP2010077

<b>FACET</b>	
40223	40223N

<b>FAG</b>	
413 3440 100	SAP370003A

<b>FARCOM</b>	
114428	1J0033-100

<b>FASCO</b>	
17491121	530P00017
17491907	530P00019
17492134	530P00018
27492108	530P00020

<b>FAUN</b>	
1612026	SAP9753034730
1612037	SAP9753034730
1612049	SAP9753034730
1612050	SAP9753034730
99701725373	SAP9753034730

<b>FEBI BILSTEIN</b>	
14106	SE5321LR
27170	BF901808802
27670	BF901808802
28270	BF901808884
41311	SE7831LR
41312	SE7831LR
41322	SE7831LR
41323	SE7831LR
43186	SE2361LR
43345	SE5321LR

COMPETITOR No	PART No
<b>FEBI BILSTEIN</b>	
49085	BF901808884

<b>FEDERAL MOGUL</b>	
808-540B	BF722
FP-1477	70004
FP-1563	70001
FP-1940	73710
FP-1945	70020
FP-1955	70042
FP-1956	70032
FP-1981	42062
FP-2003	23145
FP-2010	42062
FP-2196	70043
FP-2226	36302
FP-2248	70020
FP-2262	23145
FP-2285	70047
FP-2365	32109
FP-2390	23713
FP-2392	72114
HB88510S	BL210121-1X
K126	BF420
K354	BF420B
K448	BF420C
K450	BF450A
K452	BF505
K466	BF466
K469	BF469A
K470	BF470
K472	BF472A
K477	BF477AR
K496B	BF465A
K510B	BF504
K517	BF517
K527B	BF523DC
K531B	BF572DC
K532B	BF570DC
K534B	BF534B
K538B	BF537
K545B	BF525
K547B	BF547
K548B	BF548
K549B	BF645
K552B	BF817
K559B	BF825
K563B	BF823
K565B	BF838
K567B	BF830
K574B	BF834
K582	BF836
K593	BF848CB
K602	BF849
K602C	BF849
K603	BF853
K609	BF841
K619C	BF852

COMPETITOR No	PART No
<b>FEDERAL MOGUL</b>	
KB541B	BF700

<b>FENDT</b>	
G822880020150	SAP9753034730

<b>FIAT</b>	
275451	BL475

<b>FIAT MARELLI</b>	
943252205	2B0002
MSR698	2B0002

<b>FIRESTONE</b>	
1T15ZR-6	BF-U978ISA
W01-358-9781	BF-U978ISA
W013589781	BF-U978ISA

<b>FIRST LINE</b>	
FTR4687	SE5321LR
FTR5742	SE5171LR
FTR5743	SE5171LR
FTR5746	SE7831LR
FTR5747	SE7831LR

<b>FLAGG</b>	
FKP142C	BF873CB

<b>FLEETPRIDE</b>	
14012528-002	BF901416154
AS9781	BF-U978ISA

<b>FLEETRITR</b>	
AMS660177	BF78117
AMS660193	BF99101
AMS660202	BF99009
AMST00113	BF99471
FAK5459	BF1107
FDL1220	BF72440
FDL1280	BF72560
FDL979	BF71958
FDL993	BF71986
FLT109493	SAP65624
FLT15677X	BL477
FLT3616	SAP74036
FLT3619	SAP74032
FLT3655	SAP74068
FLT4400B	SAP3600A
FLTR801073	SAP-R801073
FTR2061L	ES2061-62LR

<b>FLXIBLE BUS</b>	
48-1-239	BF99471

<b>FMSI</b>	
8426-D1311	SAP-BPD1311
8479-D1369	SAP-BPD1369
8480-D1370	SAP-BPD1370
8556-D1438	SAP-BPD1438
8727-D1518	SAP-BPD1518
8795-D1583	SAP-BPD1583
8931-D1708	SAP-BPD1708

COMPETITOR No	PART No
<b>FMSI</b>	
9007-D1777	SAP-BPD1777-1
9007-D1777	SAP-BPD1777-2
9294-D2061	SAP-BPD2061

<b>FORD</b>	
1831005C2	72114
19QJA29302	SAP-HC114024
1C3Z-9J460-AA	SAP22024
1C3Z9J460AA	SAP22024
1C442A270A1A	SAP3514511
26134102	BF937534102
2C347C522DA	SAP1052S
2C3Z7C522CA	SAP17510
2C3Z8V501BA	72114
2C447C522AF	SAP17500
2C4Z7C522C	SAP1052S
3285323	70047
3285410	23145
3C3Z7C522C	SAP17510
4C3E-8501AA	32109
4C3Z 8501-B	32109
4C40-7H141-BA	SAP24080
4C4018045CA	BF78144
4C403A130JA	ES411LR
4C403A130KA	ES187LR
4C407H141BA	SAP24080
4C4Z-7H141-A	SAP24080
4C4Z18124CB	BF78144
4C4Z3280CB	ES187LR
4C4Z7C535AD	SAP17500
4C4Z7H141A	SAP24080
5L3Z-11002-B	2F0025
6L3Z-11002-DA	2F0025
6L3Z-11002-DRM	2F0025
887784A	ES431LR
81Z-8501ARM	72114
9N1949	70020
B7C-3111A	BF469A
B7QH-3111A	BF465A
B7QH-3111D	BF465A
B7QH-3111G	BF465A
B7T-3111A	BF470
B7TY-3111A	BF466
B7TZ-3111B	BF477AR
B7TZ-3111C	BF450A
B8018125A	BF99001
B8TZ-3A130B	ES346LR
C1TT2575A	SAP278614
C3TS4A052E	SAP370036A
C3TZ-3111B	BF504
C3TZ-3111C	BF504
C5AF-10300-F	1F0003DP
C5AF-10300-G	1F0003DP
C5TF-10300-E	1F0003DP
C5TF-10300-F	1F0003DP
C5TF-10300-H	1F0003DP
C5TF-10300-J	1F0003DP
C5TF-10346-B	1F0003DP
C5TF-10346-H	1F0003DP
C5TS13480A	SAP228600

COMPETITOR No	PART No
<b>FORD</b>	
C5TZ-10346-B	1F0003DP
C5TZ-10346-H	1F0003DP
C5TZ-3111D	BF700
C5TZ3130AB	ES346LR
C6AF-10300-F	1F0003DP
C6AF-10300-G	1F0003DP
C6TF-10300-E	1F0003DP
C6TF-10300-F	1F0003DP
C6TF-10300-G	1F0003DP
C6TF-10300-H	1F0003DP
C6TF-10346-B	1F0003DP
C6TF-10346-C	1F0003DP
C6TZ-3111B	BF570DC
C6TZ4635G	BL333
C6VF-10300-A	1F0003DP
C6VF-10346-A	1F0003DP
C6VF-10346-B	1F0003DP
C6VY-10346-A	1F0003DP
C7SF-10300-A	1F0003DP
C7SF-10300-B	1F0003DP
C7TZ-3111D	BF572DC
C8TZ-3111B	BF570DC
C8TZ-3111C	BF572DC
C9AF-10300-B	1F0003DP
C9SF-10300-A	1F0003DP
C9TZ-3111A	BF570DC
C9TZ-3111B	BF572DC
C9TZ-3111C	BF504
C9ZF-10300-B	1F0003DP
C9ZF-10300-C	1F0003DP
C9ZZ-10346-B	1F0003DP
CAH-001	BF99001
DOAF-10300-E	1F0003DP
DOAF-10300-H	1F0003DP
DOAF-10346-C	1F0003DP
DOAF-10346-F	1F0003DP
DOAZ-10346-F	1F0003DP
DOHA1131N	SAP-HC114009
DOHZ-3111A	BF465A
DOHZ-3111B	BF505
DOHZ-3A130C	ES346LR
DOHZ-3A131B	ES431LR
DOHZ-3A131C	ES431LR
DOHZ1131C	SAP-HC114024
DOHZ1131L	SAP-HC114009
DOHZ5872A	BFF30240
DOLF-10300-H	1F0003DP
DOSF-10300-A	1F0003DP
DOTF-10300-E	1F0003DP
DOTF-10300-F	1F0003DP
DOTF-10300-G	1F0003DP
DOTF-10300-J	1F0003DP
DOTF-10346-C	1F0003DP
DOZF-10300-A	1F0003DP
DOZF-10300-C	1F0003DP
DOZZ-10346-B	1F0003DP
DIHZ-3111A	BF465A
DIZF-10300-AA	1F0003DP
D2AF-10300-BA	1F0003DP
D2AF-10300-BB	1F0003DP

COMPETITOR No	PART No
<b>FORD</b>	
D2AF-10346-DA	1F0003DP
D2AZ-10346-D	1F0003DP
D2OF-10300-BA	1F0003DP
D2OF-10300-BB	1F0003DP
D2OF-10300-EA	1F0003DP
D2OF-10300-EB	1F0003DP
D2OF-10300-FA	1F0003DP
D2OF-10300-FB	1F0003DP
D2SF-10300-AA	1F0003DP
D2SF-10300-AB	1F0003DP
D2TF-10300-CB	1F0003DP
D2TF-10300-CC	1F0003DP
D2TF-10300-DA	1F0003DP
D2TF-10300-DB	1F0003DP
D2TF-10300-DC	1F0003DP
D2TZ-3111B	BF570DC
D2TZ-3111C	BF572DC
D2ZF-10300-BA	1F0003DP
D2ZF-10300-BB	1F0003DP
D2ZF-10346-BA	1F0003DP
D3HA1190B1A	SAP370048A
D3HZ1175A	SAP47697
D3OF-10300-BA	1F0003DP
D3OF-10300-CA	1F0003DP
D3TF-10300-DA	1F0003DP
D4LF-10300-AA	1F0003DP
D4LF-10300-BA	1F0003DP
D4LF-10300-CA	1F0003DP
D4LF-10300-DA	1F0003DP
D4OF-10300-AA	1F0003DP
D4OF-10300-BA	1F0003DP
D4OF-10300-CA	1F0003DP
D4OF-10300-FA	1F0003DP
D4OF-10346-BA	1F0003DP
D4OZ-10346-B	1F0003DP
D5HZ-3111A	BF547
D5HZ-3111C	BF547
D5HZ2B431A	SAP286364
D5TZ-3111A	BF523DC
D5TZ-3111B	BF537
D5TZ2K119A	SAP278614
D5UZ-3111B	BF525
D6HZ-3111A	BF548
D6TZ-3111A	BF537
D7HZ1175A	SAP47697
D7TZ-3111A	BF465A
D9HZ4635B	BL376
DO3F-10300-DA	1F0003DP
EOHT18080AA	BF99320
EOTZ-3111A	BF825
EIHT1175AA	SAP47697
E2HS1190BA	SAP370048A
E5HZ1131A	SAP-HC114009
E5HZ1131B	SAP-HC114009
E5HZ24573A	SAP100494
E6HZ1175AA	SAP370023A
E6HZ2A449B	SAP103009
E6TZ-8501AA	72114
E6TZ-8501BRM	72114
E7HZ-8501B	42062

COMPETITOR No	PART No
<b>FORD</b>	
E7HZ2A095A	SAP229860
E7HZ4635B	BL475
E7TZ-3111A	BF537
E7TZ-8501ARM	72114
E7TZ-8504ARM	72114
E8HT1190BA	SAP370048A
E8HZ-8501B	42062
E8HZ-8501C	42062
E8HZ-8501CRM	42062
E9HZ1126A	SAP3600A
FOHZ2A674D	BF911655343
FOHZ-3A131-E	ES2035-36LR
FOHZ-3A131-F	ES2035-36LR
FOHZ3A131C	ES2061-62LR
F2OF-10346-FA	1F0003DP
F2OF-10346-HA	1F0003DP
F2OF-10346-JA	1F0003DP
F3HZ-8501-B	70047
F3HZ-8501ARM	23145
F3HZ-8501BRM	70047
F4TZ9F838A	SAP22050
F4TZ9J460A	SAP22024
F5HT3280DA	ES187LR
F5HZ18125B	BF99002
F5HZ18125BA	BF99002
F6TZ-8501-AA	72114
F6TZ-8504A	72114
F6TZ-8504BRM	72114
F6TZ-9350-A	SAP-G52610
F6TZ8V501AARM	72114
F7TZ-8501-CRM	72114
F7TZ-8501BRM	72114
F7TZAA	32109
F7UZ-8501DA	32109
F81Z-8501-ARM	72114
F81Z-8501-CRM	72114
F81Z-8501-DA	32109
F81Z-8501-FA	72114
F81Z-850ARM	72114
F81Z-850CRM	72114
F81Z7A543FA	SAP17480
F8HT2314AA	SAP-AS1140
TFAA18080A	BF99001
XC45-5A687-AA	KD2205
XL1U-11000-AA	2F0025
XL1U-11000-AB	2F0025
XL1U-11000-AC	2F0025
XL1Z-11002-AA	2F0025
YC3Z-8501-AA	32109
YC3Z-8501-AB	32109
YC3Z-8501AARM	73716
YC3Z-8501CA	73716
YC3Z2951BA	SAP065706
YC3Z2951BB	SAP065706
YC3Z7C522AC	SAP1052S
YC3Z7C522DA	SAP17480
<b>FORMPART</b>	
3901017	SE7831LR

COMPETITOR No	PART No
<b>FORMPART</b>	
3901018	SE7831LR
<b>FOTON</b>	
1106629200012A1078	BF99078
1120835680050	SAP4324101520
BJ1046E6-3003080B	SE3080LR
BJ1046E6-3003080C	SE3080LR
YBZZ1216D3A-100/90L	BF920992521
<b>FRAP</b>	
1814	SE5321LR
1881	SE5321LR
<b>FREIGHTLINER</b>	
06-62384-002	SAP20010
10-12542-000	BF99901
12-18200-255	530P00024
12-18200-285	530P00025
12-18200-355	530P00026
120-105112-2	530P00043
14-10281-000	BF72440
14-12349-000	BF72552
14-12464-002	BF5420239100
14-12464-003	BF901567502
14-12479-000	BF79238
14-12608-001	BF5420248100
14-12657-001	BF901607262
14-12681-000	BF901516153
14-14375-002	BF901416154
14-14376-000	BF901416151
14-17273-000	BF79238
14-19127-000	BF901416151
14-19127-002	BF901416154
14-20358-001	BF901816181
1412405000	BF901516151
1414323001	BF901816181
1414375000	BF901416151
1414376000	BF901416151
1419126001	BF901816181
1419127000	BF901416151
16-13810-000	BF-U9781SA
16-13840-000	BF-U9781SA
16-13952-000	BF78490
16-13957-000	BF99425
16-14004-000	BF-U9781SA
16-15595-000	BF-U9781SA
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16-15817-000	BF99425
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16-16412-001	BF-RB268
16-16591-000	BF78490
16-16773-000	BF-U9781SA
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16-18035-000	BF-RB268
161-595-10-00	BF37904000
1616412000	BF-RB268
1617769000	BF37904000
1618035000	BF-RB268
1749-1907	530P00019
18-28710-000	SAP-S4640070040

The numbers used for cross reference and the photos provided are for informational purposes only. All brands and references listed in the catalog belong to the respective companies.

COMPETITOR No	PART No
<b>FREIGHTLINER</b>	
18-30378-000	BF99101
18-30630-000	KD2261
18-37808-000	KD2262
1829846000	BF99009
1841762000	BF99038
1841762002	BF99038
1844321000	BF99009
1860764000	BF99038
1860765002	BF99038
2254800000	SAP24014
23527829	SAP22042
47 1700 002 809	BF99425
471700131155	BF99918
4984223	SAP30006
5010A00003	530P00018
535228	BF99001
61120450	SAP47697
61300240	BF99918
671908	BF99918
607-330-00-19	BF1119
6073300019	BF1119
6073300019K	BF1119
68-04660-401	BF901636032
68-04660-801	BF901607262
68-14665-001	BF901567502
680-322-01-05	BF37904000
680-322-01-50	BF37904000
680-322-03-01	BF37904000
6803220150	BF37904000
6803220301	BF37904000
6803302703	ES187LR
6803302903	ES187LR
680782	BF99001
681 542 17 17	530P00049
681-320-0017	BF-U9781SA
681-325-01-50	BF-RB268
681-466-28-01	BF5420239100
681-466-50-01	BF5420248100
681-545-00-24	530P00094
7EP2004	SAP2004
7EP2005	SAP2005
7EP2005A	SAP2005A
7EP2005B	SAP2005B
7EP2010	SAP2010
7EP2032	SAP2032
7EP2033	SAP2033
7EP2033A	SAP2033A
7EP2033B	SAP2033B
7EP2033C	SAP2033C
7EP2033CF	SAP2033CF
7EP2033P	SAP2033P
7EP2036M	SAP2036M
818-0006-000	530P00046
83176238	BF99918
940013409	SAP46300
A02-14078-000	SAP11060F
A06-22743-002	530P00092
A1219776010	530P00029
A1219779103	530P00027
A14-12349-000	BF72552

COMPETITOR No	PART No
<b>FREIGHTLINER</b>	
A14-12479-000	BF79238
A14-13495-005	530P00091
A1413495000	530P00090
A16-14004-000	BF-U9781SA
A3144D238	ES346LR
A3144D550	ES3030-3ILR
A6073381010	ES187LR
A68146600K1	BF901567502
A68146601K1	BF901567502
A6815460288	530P00043
ABPN320090440	KD2262
ABPN32G900001	BF78490
ABPN42A1655BFV	SAP3758X
ABPN42A1655BPI	SAP3710X
ABPN42A1655BPI	SAP3758X
ARS 830 0001 000	530P00045
AXA043	SAP370065A
BKSKD22620	KD2262
CHR43761	SAP370048A
FL5280X	BL334
GTD 85020 0	530P00033
KIT144	BF450A
KIT170	BF700
KIT172	BF504
KIT195	BF823
KIT198	BF547
KIT199	BF534B
LM6864310213	SAP289714
N42A1658625B	SAP3807X
R230066	ES346LR
R230092	ES3030-3ILR
RSC85927C1	SAP68228
SAA 85920013	530P00049
TDAS4008509040	4008509040
TDAS4324130240	SAP-R955300
TDAS4324711010	4324711010
TDAS4324711010X	4324711010
TDAS4613150080	SAP3514511
TDAS9700515030	9700515030
TDAS9700515120	9700515120
TDAS9753034730	SAP9753034730

<b>FTE</b>	
D151052	SAP1052S
D701048	SAP17480
D701050	SAP17500
D701051	SAP17510
KG190084.0.1	KG190084.0.1
KG20001.0.8	KG20001.0.8
KG20001.4.3	KG20001.4.3
ZA5108.3.2	ZA5108.3.2

<b>FULLER</b>	
57713-002	SAP2036A
K-2468	530P01771
K3600	530P01910

<b>G.U.D.</b>	
GSP201225	SE5321LR

COMPETITOR No	PART No
<b>GABRIEL</b>	
83001	BF99101
83009	BF99009
83019	BF78117
83025	BF78162
83038	BF99038
83041	BF78189
83054	BF78161
85000	BF99000
85001	BF99002
85031	BF78128
85061	BF99061
85067	BF99067
85070	BF78159
85088	BF99061
85098	BF99061
85307	BF99001
85311	BF99417
85320	BF99320
85705	BF99416
85711	BF99402
85724	BF99425
85736	BF99471
85900	BF99900
85901	BF99901
85918	BF99918
85924	BF99924
85931	BF99931
85932	BF99932
85957	BF78144
89443	BF78490
89457	BF78147
89459	BF78159

<b>GATES</b>	
41176	23145
41177	23145
41178	23145
41181	23145
42079	32109
42318	23713
42349	21098
42351	70041
42352	70047
43059	70043
43084	42062
43225	70004
43233	70020
43238	70042
43314	36302
43320	70047
43321	70047
43526	23145
43546	72114
44052	70090
44058	73710
44059	73712
44078	70001
44086	70001
44092	70032
45000	72114

COMPETITOR No	PART No
<b>GATES</b>	
WP5021HD	78280

<b>GILLIG</b>	
82-18096-000	SAP74052

<b>GM</b>	
00717894	SAP286364
10459448	1J0001A
10459448	1J0003A
10500586	SAP278614
10500587	SAP279000
12476360	SAP065691
12493953	23145
12540330	BF858
15507089	SAP370048A
15532574	BL381
15556130	SAP-HC114009
15557677	SAP47697
15619562	BF858
1561961	BF852
15627990	BF15627990
15963161	BF99320
15975435	BF15975435
15982769	SAP47697
19113733	21098
19143702	72114
19168888	21098
2034220	SAP370048A
2040210	BL376
2052055	SAP278302L
2055746	SAP-HC114009
2057480	SAP47691
2057480	SAP47697
2073173	SAP370036A
220TR119	ES3030-3ILR
2222854	BL333
2317614	SAP47691
2322136	BL333
2327401	SAP100495
2444861	SAP370036A
2446647	SAP370048A
2452860	ES431LR
2452861	ES431LR
2457171	SAP288539L
2457172	SAP288540L
2460404	SAP228600
2490142	SAP279000
398770	SAP-HC114009
462389	ES2061-62LR
603386	BF420
609747	ES142LR
6964067	SAP205105
716122	SAP370048A
720659	SAP46300
74147	SAP370036A
798203	ES3030-3ILR
798204	ES431LR
8000417	2B0027
8885857	BF492A
88936011	BF873CB

COMPETITOR No	PART No
<b>GM</b>	
8972161367	21098
9180334	SAP102626
9220646	SAP278614
9234298	SAP229860
97207786	2J0064
97216136	21098
97372515	71053
97729118	1J0100
98031233	71053
B98137	SAP228600
R230092	ES3030-31LR

COMPETITOR No	PART No
<b>GMB</b>	
120-3072	23145
120-7250	78008
125-3220	73716
125-5062	42062
125-5680	72114
125-5920	32109
125-5930	72114
130-2030	71053
130-5980	21098
138-3669	73716
138-3713	23713
138-4710	73710
138-4712	73712
138-4713	23713
138-4720	73717
138-4760	78001
140-1350	36302
147-2290	78002
196-1010	70151
196-1020	70152
196-2001	70001
196-2004	70004
196-2020	70020
196-2032	70032
196-2041	70041
196-2042	70042
196-2043	70043
196-2047	70047
196-2090	70090
196-2100	70091
2300407	BL376
599-1400	SAP-P4070
G5-103X	BL338
G5-1203	BL354
G5-1203X	BL433
G5-1306-1X	BL317
G5-1306HD	BL315G
G5-1309X	BL316
G5-188X	BL351
G5-2011X	BL507
G5-248X	BL361
G5-260X	BL365
G5-273X	BL433
G5-279X	BL333
G5-280X	BL334
G5-281X	BL381
G5-297X	BL371

COMPETITOR No	PART No
<b>GMB</b>	
G5-297X1	BL377
G5-3009X	BL355
G5-3105X	BL534G
G5-324X	BL480
G5-352X	BL353
G5-358X	BL348
G5-3999X	BL534G
G5-407X	BL376
G5-7000X	BL7100
GGPL-35R	BL964
GGPL-6R	BL861
GU-100	BL329
GU-1100	BL344
GU-2000	BL356
GU-2050	BL330
GU-3000	BL437G
GU-400	BL340
GU-400	BL341
GU-500	BL340
GU-500	BL341
GU-700	BL338
GUIS-52	BL383
GUM-81	BL398
GUMZ-9	BL386
GUN-27	BL391
GUN-29	BL393
GUN-30	BL331
GUT-11	BL395
GUT-12	BL390
GUT-20	BL389
GUT24	BL-GUT24
GWCR-38A	23145
GWIS-25A	90025
GWIS-35A	36302
GWIS-42A	90042
GWIS-45A	90045
GWN-46AF	93046
GWN-47AF	93047
GWN-65AF	93065
GWN-66A	90042

COMPETITOR No	PART No
<b>GMC</b>	
12540329	BF852
15511060	SAP127592
15512234	BF700
15512235	BF504
15512274	SAP100495
15526367	SAP100494
15636886	BF722
2010021	BF823
22064489	BF99000
2264897	BF450A
2452865	BF700
2470621	BF477AR
33720696	BF421
3745285	BF465A
3819717	BF492A
3927941	BF421
3927943	BF492A
5555856	BF830

COMPETITOR No	PART No
<b>GMC</b>	
603386	BF420
605121	BF420B
694332	BF534B
722166	BF722
8885621	BF830
8885856	BF830

COMPETITOR No	PART No
<b>GOLDHOFER</b>	
160612	SAP9753034730

COMPETITOR No	PART No
<b>GOODYEAR</b>	
1R12-603	BF-U9781SA

COMPETITOR No	PART No
<b>GREAT DANE</b>	
55051	SAP288282L
56146	SAP278323L
88090103	SAP278323L

COMPETITOR No	PART No
<b>GROTE</b>	
48072	530P00093
481381	530P00102
48282	530P00103
484371	530P00101
69500	530P00099
69590	530P00100
69650	530P00098
87060	SAP-BE27071

COMPETITOR No	PART No
<b>GT DEVELOPMENT</b>	
223455V	530P00035
24924	530P00031
265031	530P00030
3235L1	530P00034
3235L2	530P00047
3235L3	530P00032
850200	530P00033

COMPETITOR No	PART No
<b>GUNITE</b>	
3141B	SAP3141B
3141X	SAP3141X
3158X	SAP3158X
3166X	SAP3166X
3573X	SAP3710X
3598X	SAP3758X
3600	SAP3600A
3600AX	SAP3600A
3687X	SAP3687
3710X	SAP3710X
3721	SAP3721
3721AX	SAP3721
3758X	SAP3758X
3800	SAP3800A
3800X	SAP3800A
3807X	SAP3807X
AS1032	SAP65170A
AS1037	SAP65166A
AS1040	SAP65174A
AS1041	SAP65176A
AS1132	SAP-AS1132
AS1132	SAP65170A

COMPETITOR No	PART No
<b>GUNITE</b>	
AS1133	SAP-AS1133
AS1140	SAP-AS1140
AS1140	SAP65174A
AS1141	SAP-AS1141
AS1141	SAP65176A
AS3000	SAPZ3000

COMPETITOR No	PART No
<b>HALDEX</b>	
10005A	SAP-A10005A
107794X	SAP107794
107796MID	SAP107794
107798K	SAP107798
109994K	SAP106309
109994KMID	SAP106309
11450	SAP450L
11451	SAP451L
11452	SAP452L
12105	SAP12105
287367K	SAP287367
287370K	SAP287370
314039001	SAP4170P
314059003	SAP93470P
320023001	SAP3514511
40010121	SAP10143
40010140	SAP-R801074
40010140	SAP10140
40010141	SAP10141
40010141	SAP10142
40010143	SAP10143
40010145	SAP10212
40010155	SAP10155
40010211	SAP10211
40010212	SAP10212
40010215	SAP10215
40020235	SAP65166A
40020239	SAP65170A
40020240	SAP65174A
40910315	SAP10142
40910396	SAP-AS1132
40910564	SAP10142
5010696	SAP801266
5010696X	SAP801266
78964	SAP78964
790-22040	SAP-BPD1583
79022040	SAP-BPD1583
90054007	SAP90054007
91059	SAP-BPD1583
919801	SAP30132
919802	SAP30134
919803	SAP30136
919804	SAP30138
919806	SAP30128
92822	SAP-BPD1583
950011KMID	SAP106309
955205	SAP-R955205
BE1260	SAP-BE12600
BE13250	SAP13250
BE23201	SAP-BE23201
BE23202	SAP-BE23202
BE23703	SAP-BE23703

COMPETITOR No	PART No
<b>HALDEX</b>	
BE23784	SAP-BE23784
BE27019	SAP421113
BE27071	SAP-BE27071
BE27072	SAP-BE27072
BK313	SAP127200H
BK313	SAP127760
CQ36541	SAPZ3000
CS44071	SAP288282L
CS52365	SAP-AS1141
GC3030L	3030XLS
GG1308TD	SAP-A1308STD
GG4311GD	SAP-A4311STD
GG4515GDB	SAP-A4515STD
GG4702QJ	SAP4702Q
GG4707DB	SAP-A4707STD
GG470902J	SAP4709E2
GG47200G	SAP4720
K012739	SAP-BR802569HD
K022105	SAP-K022105
K038573	SAP-BRK038573HD
K038574	SAP-BRK038574HD
KN18530	SAP275491
KN20021	SAP275175
KN20541	SAP20541H
KN20611	SAP-KN20611
KN20615	SAP-KN20615
KN22150	SAP286171
KN23000	SAP-KN23000
KN23010	SAP-KN23010
KN25061	SAP278614
KN27000	SAP-KN27000
KN28060	SAP-KN28060
KN28140	SAP103009
KN28500	SAP-KN28500
KN28520	SAP-KN28520
KN30400	SAP-KN30400
KN30400	SAP281865
KN31000	SAP-KN31000
KN31001	SAP-KN31001
KN32005	SAP229859
KN32011	SAP229860
KN34060	SAP279000
KN3546	SAP-A3546
KN44041	SAP283411L
KN44051	SAP288282L
KN44071	SAP288282L
KN47001	SAP278323L
KN47011	SAP47011L
KN48001	SAP278305L
KN48031	SAP278302L
KN49000	SAP49000L
KN49010	SAP49010L
KN50060	SAP50060L
KN50070	SAP50070L
KN51010	SAP51010L
KN55001	SAP55001L
KN68230	SAP68230
KN68237	SAP68237
KN68237	SAP68237R
M2300274	BF841

COMPETITOR No	PART No
<b>HALDEX</b>	
M2300276	BF849
M2ES2091R	ES2090-91LR
M2ES2208R	ES2090-91LR
M2ES346R	ES2090-91LR
M4040026	SAP40026
MPBD1518XT	SAP-BPD1518
NI28229	SAP128229D
NI28230	SAP128230D
NI28579	SAP128579D
RC2540K	SAP-RC2540K
RN21AE	SAP40026
RNT26	SAP-RNT26
RP12104X	BF901765911
RP221602	BF901516153
RP221602X	BF901516153
RP221605	BF901416151
RP221615X	BF901516151
RW1017X	70342
RW1018X	70342
RW1073VX	70093
RW1073X	70090
RW1162	70020
RW1162X	70020
RW1163	70043
RW1170	70001
RW1170X	70001
RW1172	70032
RW1172X	70032
RW1174	70042
RW1174X	70042
RW1177X	70001
RW1190	73710
RW1190X	73710
RW1194	70335
RW1198X	70042
RW1304X	73712
RW1310X	23713
RW1407X	70043
RW1463	21098
RW1767	72114
RW1767X	72114
RW1923	73716
RW1935	71053
RW2001	70004
RW2001X	70004
RW2005X	70004
RW2006X	70004
RW3000	70032
RW4001X	70041
RW4011X	70376
RW4016X	70353
RW4068X	70152
RW4069X	70151
RW4076X	70091
RW4077X	70092
RW4114X	73716
RW4122PX	70131
RW4122X	70131
RW4123PX	70131
RW4123X	70131

COMPETITOR No	PART No
<b>HALDEX</b>	
RW4124X	70129
RW4125PX	70131
RW4126X	70130
RW6009	70377
RW6012	70393
RW6014	70350
RW6016	70353
RW6066	70152
RW6067	70001
RW6069	70151
RW6073	70090
RW6075	23145
RW6075X	23145
RW6076	70091
RW6077	70047
RW6077X	70047
RW6079	70661
RW6079X	70661
RW6114	73716
RW6126	70130
RW6127	70131
RW6307	73712
RW6310	72114
RW6311	73717
RW6313	23713
SN4017A	SAP60200F

<b>HATZ</b>	
5710903	2B0002

<b>HAYDEN TRANS-COOLER</b>	
HAY 026744	530P00021

<b>HC CARGO</b>	
112824	1D0027

<b>HC PARTS</b>	
CA1035IR	1B0002
JS552	2J0004

<b>HC-CARGO</b>	
112996	1D0067

<b>HELLA</b>	
8EA726504001	2J0004

<b>HENDRICKSON</b>	
30240-002	BFF30240
37904000	BF37904000
52296	BF-RB268
57977	660073403
57977-000	660073403
60501	660073403
60643000	BF37904000
60643001	BF37904000
60643002	BF37904000
60961030	ES187LR
60961084	ES187LR
65033002	ES187LR
A-20002	BF99000

COMPETITOR No	PART No
<b>HENDRICKSON</b>	
A27267	SAP46300
A29667	SAP370065A
M10HH169	SAP46300
S-20126	BF99000
S-20889	BF99000
S-30560-8	SAP-BPD1583
S-32676-1	SAP-BPD1777-2
S-33389-1	SAP-BRM44D71601HD
S-33391	SAP-BRM44D75180HD
S-35303-1	SAP-BPD1777-1
S-36837-1	SAP-BPD1518
S-38764	SAP-BRS38764HD
S-38765	SAP-BRS38765HD

<b>HEPU</b>	
P3305	90025

<b>HINO</b>	
04043-2010	BF321
040432035	BF321
040432057	BF321
04431-E130	BF1130
31210-37090	SAP3010548
31210-37091	SAP3010548
31210-E0190	SAP3010540
31250-37220	SAP2010092
31250-E0012	SAP2010047
31250-E0760	SAP2010092
44310-1791	BF921019902
44310-1880	BF921019302
44310-1930	BF921019302
44310-1990	BF921019902
44310-2790	BF921327901
44310-E0250	BF921327901
44310E0100	BF921322421
44350-1340	BF921322421
44350-1341	BF921322421
44530-1360	SAP01360
44610-E0021	SAP100811
45420-1510	SE1590LR
45420-1512	SE1590LR
45420-1550	SE1550LR
45420-1590	SE1590LR
45420-1600	SE1550LR
45420-1611	SE1550LR
45420-1690	SE1550LR
45420-1710	SE1710LR
45420-1710	SE1710LR
45420-1900	SE1590LR
45420-1901	SE1590LR
45420-2060	SE1590LR
45420-2630	SE0390LR
45420-2631	SE0390LR
45420-2700	SE0390LR
45420-2720	SE1590LR
45430-1492	SE1590LR
45430-1550	SE1550LR
45430-1590	SE1590LR
45430-1600	SE1550LR
45430-1611	SE1550LR

COMPETITOR No	PART No
<b>HINO</b>	
45430-1690	SE1550LR
45430-1710	SE1710LR
45430-1900	SE1590LR
45430-1901	SE1590LR
45430-2060	SE1590LR
45430-2630	SE0390LR
45430-2631	SE0390LR
45430-2700	SE0390LR
45430-2720	SE1590LR
45440-9700	BF097000
45440-E0061	BF0E0061
45440-E0142	BF0E0142
47480-1550	SAP-SM1550
47480-1590	SAP-SM1590
47490-1090	SAP-SM1090
475101830	SAP10870
475101850	SAP10870
48511-37390	BF99390
48511-80183	BF99390
48531-37012	BF99012
8B23864-2232	BF921201021
S4540-E0030	SE0390LR
S4540-E0050	SE1590LR
S4540-E0151	SE1550LR
S4540-E0390	SE0390LR
S4542-02060	SE1590LR
S4543-02060	SE1590LR
S4550-E0030	SE0390LR
S4550-E0050	SE1590LR
S4550-E0150	SE1550LR
S4550-E0390	SE0390LR
S475101830	SAP10870
S4850-03570	BF99570

COMPETITOR No	PART No
<b>HITACHI</b>	
8-97240-270-2	1J0033
LR1110-501	1J0100
LR1110-725	1J0067
LR160503E-80A	1J0033
LR170-401	1J0003A
LR170-418	1J0001A
LR170418	1J0001A
LR170418B	1J0001A
LR170503	1J0033
LR180-513B	1J0033
LR180513B	1J0033
LR280-501	1J0112
LR280-506	1J0112
LR280-508	1J0027
LR280-508	1J0112
LR280-708B	1J0111
LR280707C	1J0111
LR280708	1J0111
LR280708B	1J0111
LRA03141	1J0033
S114-371	2J0004
S114-371B	2J0004
S12-48	2J0004
S13-106	2J0030
S13-106A	2J0030

COMPETITOR No	PART No
<b>HITACHI</b>	
S13-106B	2J0030
S13-106C	2J0030
S13-106E	2J0030
S13-109B	2J0030
S13-212	2J0030
S13-213	2J0030
S2403	2J0008
S2403A	2J0008
S2403B	2J0008
S2403C	2J0008
S2413	2J0008
S25-110	2J0007
S25-110A	2J0007
S25-110C	2J0007
S25-110L	2J0007
S25-110M	2J0007
S25-158	2J0072
S25-158A	2J0072
S25-158B	2J0072
S25-160	2J0072
S25-162	2J0007
S25-164A	2J0007
S25-164AR	2J0007
S25-64	2J0007
S25-64B	2J0007
S25-64E	2J0007
S25-64F	2J0007
S25120	2J0008
S25120A	2J0008
S25121	2J0008
S25121A	2J0008
S25161	2J0008

<b>HONDA</b>	
08MLWCRVAIR	BF232

<b>HONEYWELL</b>	
76051	SAP76051NO
76052	SAP76052NO
76053	SAP76053NO
76054	SAP76054NO
76061	SAP76061NC
76062	SAP76062NC
76063	SAP76063NC
76064	SAP76064NC
76065	SAP76065NC
76071	SAP76071NC-NO
76072	SAP76072NC-NO
76073	SAP76073NC-NO
76074	SAP76074NC-NO
76075	SAP76075NC-NO
76575	SAP76575NO
76576	SAP76576NO
76577	SAP76577NC
76578	SAP76578NC
76579	SAP76579NC-NO
76580	SAP76580NC-NO
78142	SAP78142NO
78143	SAP78143NO
78144	SAP78144NO

COMPETITOR No	PART No
<b>HONEYWELL</b>	
78145	SAP78145NO
78146	SAP78146NO
78147	SAP78147NO
78148	SAP78148NO
78149	SAP78149NC
78150	SAP78150NC
78151	SAP78151NC
78152	SAP78152NC
78153	SAP78153NC
78154	SAP78154NC
78155	SAP78155NC
78628	SAP78628NO
78630	SAP78630NO
78632	SAP78632NC
78634	SAP78634NC
78711	SAP78711NC-NO

<b>HORTON</b>	
94212	530P00000
993603	SAP74040
993605	SAP74048
993606	SAP74056
993607	SAP74064
993615	SAP74028
993616	SAP74036
993617	SAP74044
993619	SAP74032
993653	SAP74052
993654	SAP74060
993655	SAP74068
994205	530P00003
994246	530P00001
994346	530P00005
994370	530P00003

<b>HYSTER</b>	
1374083	2J0004
3042323	2J0007
323812	2J0004

<b>HYTEC</b>	
111122	21098
140080	23145
211122	21098
214095	32109
217042	23145
240061	70047
240072	23713
326045	36302
340004	42062
340032	70004
345004	70041
345005	70020
345009	70042
345030	70043
414104	72114
440014	73710
440044	70032
440055	70001
440058	73712

COMPETITOR No	PART No
<b>HYTEC</b>	
445003	70001
514104	72114

<b>HYUNDAI</b>	
4170073000	SAP100809
495002D000	BF1136
495002D002	BF1136
4950728B00	BF1136

<b>IAT</b>	
S212	2E0001

<b>IKARBUS</b>	
1612049	SAP9753034730

<b>ILLINOIS AUTO TRUCK</b>	
M-1610	SAP127760
M-1771	530P01771
M-1910	530P01910
NMU705-064-4	SAP108391-74B9
NMU705-067-6	SAP108391-93HB9
NMU800-084-1	SAP108063-59A
NMU890-184-1	SAP108050-59
NMU915-010-1	SAP107915-1

<b>IMEX</b>	
IMX CUM3803403	70091

<b>INTERNATIONAL / NAVISTAR</b>	
1142510R1	72114
117289E91	SAP370001A
121684R91	BL333
1609948C1	SAP47697
1616906C1	SAP3600A
1620284C91	SAP20541H
1626091C91	2D0042
1648162C91	SAP-A5000
1649637C91	ES411LR
1649638C91	ES3476-77LR
1649638C91	ES411LR
1651279C91	SAP100495
1658556C91	SAP2036A
1658835C91	BLL476
1660271C91	BF1108
1660271C91	BF1108
1660600C3	SAP3710X
16622711C91	BL210121-1X
1662306C91	BF534B
1662725C91	BL88512ACS
1663204C91	BF5420130100
1665531C91	BF848CB
1668480C91	ES2090-91LR
1669290C91	SAP2033H
1671718C91	SAP12105
1673785C92	SAP68228
1673827C91	SAP65225BKT
1673827C91	SAP65225D
1675751C1	SAP24080
1676271C91	BL210121-1X
1676273C91	BL88508ACS

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INTERNATIONAL / NAVISTAR	
1676687C91	SAP102802
1676729C1	SAP286370
1676745C1	SAP289714
1677144C1	SAP127200H
1677540C91	SAP103010
1677541C91	SAP103009
168 1047 C91	BF5420239100
168 2625 C91	BF5420176100
168 4621 C91	BF901691101
1680802C1	SAP47691
1680802C1	SAP47697
1681047C91	BF5420239100
1682625C91	BF5420176100
1685132C91	SAP74048
1685514C91	SAP04341
1685884C91	SAP107516
1686649C91	BF5420273100
1691146C2	SAP100495
1693129C1	SAP229860
1693187C91	SAP47070
1694395C1	71004271
1694935C1	SAP24080
1807339C92	SAP30008
1807339C93	SAP30008
1807369C2	SAP22054
1815538C91	73712
1817687C92	23713
1817687C94	23713
1817687C95	23713
1817687C96	23713
1817687C97	23713
18179687C94	23713
18179687C96	23713
1821935C1	23713
1821935C3	23713
1823669C92	73716
1824415C93	SAP-G52610
1825899C93	SAP30008
1829856C91	530P00013
1830559C91	530P00009
1830560C2	530P00009
1830561C92	530P00009
1830562C2	530P00009
1830562C4	530P00014
1830606C93	23713
1830606C94	23713
1830607C4	73717
1830669C92	SAP22050
1830691C1	530P00007
1830692C91	530P00007
1830693C1	530P00007
1830693C1	530P00010
1830694C93	530P00007
1830740C92	530P00009
1830741C92	530P00009
1831676C91	73716
1831676C92	73716
1834538C91	SAP22056
1835985C92	SAP300048
1836412C91	530P00013

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INTERNATIONAL / NAVISTAR	
1839412C91	SAP22056
1839415C91	SAP22056
1840078C1	SAP22024
1841086C91	530P00013
1841217C91	530P00013
1841764C2	73717
1842664C92	73717
1842665C93	73717
1846057C1	530P00016
1872556C91	SAP22056
1885781C91	SAP30008
1885812C91	SAP30008
1885812C91	SAP30012
200 5337 C91	BF5420320100
200 5337 C92	BF5420320100
2005337C91	BF5420320100
2005337C92	BF5420320100
2010238C1	SAP3687
208664C91	BF99001
210918R91	BF99320
213909R1	SAP68230
2500325C91	71004297
2500678C91	BL-SPL170
2500680C91	BL-SPL250
2502490C91	71004297
2502922C91	BL-CP25RPLS
2506796C1	530P00041
2507163C1	530P00041
2507948C1	BF78161
2509221C91	BF78161
2509223C91	BF78161
2590276C1	SAP100494
2590713C1	SAP100557
2591049C91	BL88509ACS
2591854C91	71004277
2592442C91	71004296
2593594C91	530P00009
2593595C91	530P00009
2593597C91	530P00007
2597100C91	ES3476-77LR
2605072C1	SAP3600A
2605078C1	SAP3807X
2612367C91	4324709202
2614014C1	BF78162
265211C94	SAP-A3546
283069C93	BL210121-HX
283071C93	BL88512ACS
285310C91	SAP370001A
288905C91	SAP68230
291870C91	BL210121-1X
294769C91	SAP47697
303136C92	BF465A
303139C92	BF504
306921C91	BF517
306921C93	BF517
308664C91	BF99001
315442C91	BL88508ACS
3514596C91	BF901607262
3518861C91	SAP102626
3528003C1	SAP3233A

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INTERNATIONAL / NAVISTAR	
3533357C2	BF78144
3533357C3	BF78144
3538115C1	BF-RB268
3538860C91	BF5420267100
3549099C2	BF99931
3560705C2	BF78161
356596C91	SAP-KN31000
3576464C2	BF78144
3578965C91	BF901765911
3581106C1	BF78147
3581106C2	BF99924
3581107C1	BF78147
3581107C3	BF99924
3581109C1	BF78147
3581109C1	BF99924
3581109C3	BF99924
3581109C4	BF99924
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3584402C91	2D0042
3584535C1	BF78147
3584535C1	BF99924
3588209C1	BF78144
359918C91	SAP370001A
3615419C93	2D0042
3628539C91	SAP229859
363048C92	SAP19974
3688614C1	BF99931
3688616C1	BF99931
3866376C91	9700515120
388249C1	SAP-HC114195
4045901C91	3030LSI
405317R91	SAP-A6915
410986C92	SAP275491
422159C92	SAP-A4688
438368C91	ES2090-91LR
440836R91	SAP-A6915
447094C91	ES3476-77LR
447095C1	ES411LR
447095C91	ES3476-77LR
447095C91	ES411LR
447566C91	SAP370023A
452344C91	BF534B
453572C91	BF99320
459271C92	SAP286364
459790C91	SAP-KN28500
472094C91	BF817
473695C92	BF645
474520C91	BF547
484002C91	BL88508ACS
493092C91	BF861CS
493093C91	BF817
493094C92	BF817
494408C91	SAP370048A
507836C91	ES3476-77LR
507836C91	ES411LR
51007R91	BF465A
534464C1	BF99001
549800C91	BF823
556915C91	SAP2033C
556916C91	SAP2005A

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INTERNATIONAL / NAVISTAR	
557031C91	SAP2005B
578379C91	BL376
596653C91	ES3476-77LR
598289C91	SAP-A6909
598290C91	SAP-A6913
598291C91	SAP-A6915
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6127705C1	BF78147
6127705C1	BF99924
619502C92	SAP229635
6658587C1	BF78159
685155C91	73710
685155C92	73710
685155C94	73710
685155C95	73710
69576-R92	BF450A
697689R91	BL333
69883C1	SAP127740H
735327C91	73710
735445C91	73712
764368C92	SAP278614
766571C91	SAP47697
775698C91	SAP47691
788484C91	SAP370001A
797700C1	SAP127760
864743C92	SAP370023A
86824R93	SAP102626
870148K92	BF504
870889C91	SAP370048A
870890C91	SAP370048A
991970C91	72114
BX065225	SAP65225BKT
BX065225	SAP65225D
BX107800N	SAP04341
BX275707N	SAP275491
EE13002014	SAP47070
FAK2340	BF465A
FAK4455	BF466
FAK4457	BF472A
FAK4475	BF517
FAK4478	BF523DC
FAK4482	BF572DC
FAK4483	BF570DC
FAK4487	BF537
FAK4490	BF539BIR
FAK4491	BF538BIR
FAK4492	BF525
FAK4494	BF548
FAK4495	BF645
FAK4497	BF817
FAK4497	BF861CS
FAK4498	BF817
FAK4505	BF825
FAK4509	BF830
FAK4511	BF838
FAK4518	BF817
FAK4521	BF469A
FAK4532	BF477AR
FAK4542	BF700
FAK4544	BF504

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COMPETITOR No	PART No	COMPETITOR No	PART No	COMPETITOR No	PART No	COMPETITOR No	PART No
<b>INTERNATIONAL / NAVISTAR</b>		<b>ISKRA</b>		<b>ISUZU</b>		<b>ISUZU</b>	
FAK4547	BF517	IS 1101	2B0027	1876101400	SAP2010226	8-94140-341-1	90025
FAK4553	BF534B	IS1183	2D0006	1876101550	BF99550	8-94140-341-2	90025
FAK4555	BF823	<b>ISUZU</b>		1876101690	BL5039020	8-94175-448-1	1J0003A
FAK4558	BF547	1-09625495-0	SAP47697	1876101700	BL5039020	8-94310-025-0	90025
FAK4559	BF534B	1-19500-629-1	BF921462911	1878300640	BF1109	8-94310-251-0	90025
FAK4567	BF836	1-31220-454-0	SAP3010655	1878300642	BF1109	8-94310-251-1	90025
FAK4570	BF848CB	1-31240-949-3	SAP2010655	1878300643	BF1109	8-94372-119-0	36302
FAK4572	BF841	1-43150-748-1 (R)	SE7471LR	1878306400	BF1109	8-94376-844-0	90025
FAK4574	BF846CB	1-43150-749-1 (L)	SE7471LR	1878312953	BF1113	8-94376-844-1	90025
FAK4582	BF1108	1-44380-303-0	BF73030	1878312963	BF1113	8-94376-851-0	90025
FAK4601	BF849	1-44380-307-2	BF73072	1899664717	SAP289714	8-94376-853-0	36302
FAK5454	BF1108	1-47601-087-0	SAP10870	21010-89TA0	90042	8-94379-472-0	90025
FAK5455	BF849	1-48100-925-0	SAP827880	21010-89TA2	90042	8-94379-924-0	36302
FAK5456	BF853	1-48250-817-0	SAP8692R	21010-89TA7	90042	8-94419-461-0	90025
FAK5507	BF868	1-48250-817-1	SAP8692R	21010-89TB1	90042	8-94419-461-1	90025
FAK5508	BF867	1-48250-817-2	SAP8692R	241-07028	SAP827880	8-94419-461-2	90025
FDL1186	BF72372	1-48250-868-0	SAP8682L	2902768400	1J0100	8-94419-608-2	SE5171LR
FLT15153X	BL329	1-48250-868-2	SAP8682L	2912559140	2J0004	8-94419-608-3	SE5171LR
FLT15153X	BL369	1-48250-869-1	SAP8692R	377770825001	BF75323	8-94419-609-2	SE5171LR
FLT15155X	BL358	1-48250-869-2	SAP8692R	44306-1160QA	BF443061160QA	8-94419-609-3	SE5171LR
FLT15160X	BL330	1-48250-869-3	SAP8692R	470-04156	BF928500415	8-94439-850-0	36302
FLT15178X	BL331	1-87412-098-0	SAP8692R	4BDIT	BF443061160QA	8-94439-850-1	36302
FLT15279X	BL333	1-87412-464-0	SAP8692R	4HF1	BF921051341	8-94439-850-2	36302
FLT15407X	BL376	1-87610119-0	SAP1020227	4JB1	BF921019992	8-94439-850-Z	36302
FLT15674X	BL475	1-87610120-0	SAP1020227	5-37510-008-0	BL5-37510-008-0	8-94461-173-0	90025
FLT3603	SAP74040	1-87610140-0	SAP1020226	5-87830-536-0	BF231	8-97018-556-0	36302
FLT3605	SAP74048	1-87610147-0	SAP1020226	5-87830-537-0	BF232	8-97018-560-0	90025
FLT3606	SAP74056	1-87830064-0	BF1109	52034054	SAP1030220	8-97021-171-0	36302
FLT3607	SAP74064	1-87831410-3	BF1114	52034055	SAP1020226	8-97021-171-1	36302
FLT3617	SAP74044	12540329	BF852	52034057	SAP1020227	8-97021-171-2	36302
FLT3619	SAP74032	1312403950	SAP2010108	5811000571	2J0004	8-97021-315-1	36302
FLT3653	SAP74052	1312408172	SAP2010655	5811000860	2J0004	8-97029-226-0	1J0001A
FLT3654	SAP74060	1312408472	SAP2010655	5811000990	2J0004	8-97037-966-0	90025
FLT40010141	SAP10141	1312408511	SAP2010227	5811000991	2J0004	8-97062-796-0	90025
FLT40010141	SAP10142	1312408962	SAP2010655	5811001280	2J0008	8-97062-796-4	90025
FLT40010211	SAP10211	1312408963	SAP2010655	5811001282	2J0008	8-97073-951-0	90042
FLTAD1266	SAP801266	1312409161	SAP2010655	5811001290	2J0008	8-97073-951-2	90042
FLTAS1132	SAP-AS1132	1312409490	SAP2010655	5811001550	2J0004	8-97073-951-Z	90042
FLTAS1140	SAP-AS1140	1312409492	SAP2010655	5811001660	2J0004	8-97084207-0	BF921019992
FLTAS1141	SAP-AS1141	1312409493	SAP2010655	5811001830	2J0004	8-97105-012-0	90045
FTR4111	ES411LR	1312409710	SAP2010226	5874115590	SAP2010038	8-97107-348-0	SE5321LR
FTR411L	ES2090-91LR	1312409711	SAP2010226	5876100801	SAP2010220	8-97107-349-0	SE5321LR
FTR411R	ES411LR	1312600400	SAP2010226	5878316080	BF231	8-97107348-2	SE5321LR
S4324130240	SAP-R955300	1312600401	SAP2010226	5878316081	BF231	8-97107349-2	SE5321LR
S4324711010	4324711010	1318001420	SAP100809	5878316081	BF232	8-97109-676-0	90042
S4324711010X	4324711010	1375101050	BL5039020	5878316082	BF231	8-97109-676-1	90042
S9700515030	9700515030	1375101070	BL5039020	5878321830	BF232	8-97109-676-Z	90042
ZGA735327	73712	1478002720	SAP20307	5878321831	BF232	8-97123-330-0	90025
ZN3040820	530P00042	1478003230	SAP20307	5878321832	BF232	8-97123-330-0	90045
ZZBE27071	SAP-BE27071	1482102680	SAP286364	5878322203	BF231	8-97129-593-1	BF929584738
ZZKN68237	SAP68237R	1482508370	SAP8568L	5878322204	BF231	8-97170158-0	BF70160
<b>IRISBUS</b>		1516305790	BF99078	5878324000	BF231	8-97170160-0	BF70160
4804765	SAP9753034730	1812005303	1J0110	7-94140-341-2	90025	8-97170160-1	BF70160
<b>ISKRA</b>		1812005305	1J0110	8-12540-330-0	BF858	8-97175323-0	BF75323
11131267	2B0027	1812005901	1J0110	8-15982869-0	SAP47697	8-97175323-1	BF75323
AZE2155	2B0027	1812005902	1J0110	8-22064-489-0	BF99000	8-97184738-0	BF929584738
IA 9408	1B0002	1812005903	1J0110	8-94103-222-2	SE5171LR	8-97222506-0	BF70160
IA 9442	1B0002	1876101190	SAP2010227	8-94103-223-2	SE5171LR	8-97222508-0	BF70160
				8-94129-554-0	36302	8-97313-904-0	90042
				8-94129-554-1	36302	8-97333-361-0	90042

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COMPETITOR No	PART No
<b>ISUZU</b>	
8-97351-574-0	1J0112
8-97354730-0	BF921046694
8-97363478-0	90043
8-97372-119-0	36302
8-97376-851-0	90025
8-97940-157-0	90025
8-97946694-0	BF921046694
8-98004292-3	90044
8-98006-794-1	BF70942
8-98006-794-2	BF70942
8-98006793-4	BF921179341
8-98006793-5	BF921179341
8-9807-831-2	90043
8-98096-753-0	SE7418LR
8-98096-754-0	SE7418LR
8-98145-699-0	SAP8692R
8-98222-788-0	SAP827880
8-98253-369-0	SAP133690
8-98253-370-0	SAP133700
8-98317-988-0	BF99010
8-98317-992-0	BF99010
8-98381-001-0	BF99010
8-98389-973-0	BF99730
8900677934	BF921179341
8942549221	2J0008
8943205310	2J0008
8943334380	2J0008
8943398340	2J0030
8943654760	2J0008
8944489590	2J0004
8970131710	1J0001A
8970342852	BF75323
897034285251	BF75323
8970394620	SE5321LR
8970842070	BF921046694
8971073480	SE5321LR
8971073482	SE5321LR
8971092460	SAP1030035
897115134	BF921051341
8971421001	SE5321LR
8971629660	SAP2010038
8971695340	SAP1020038
8971701600	BF70160
8971753230	BF75323
8972077860	2J0064
8972077861	2J0064
8972077862	2J0064
8972225020	BF75323
8972225090	SE5321LR
8972470612	BF921046694
897248297	1J0100
8972482970	1J0100
8972482970	1J0111
8972492093	1J0033-100
8972511240	SAP1030035
8972511240	SAP2010035
8972536040	BF99078
8972599400	SAP2010220
8973272181	1J0033
8973272181	1J0033-100

COMPETITOR No	PART No
<b>ISUZU</b>	
8973517940	SAP1030220
8973547301	BF921019992
8973622351	SAP1030220
8973622351	SAP2010220
8973882800	SAP2010038
8973899100	SAP1020038
8973899100	SAP2010038
8975039020	BL5039020
8979415210	SAP1030108
8979415210	SAP2010108
8979415220	SAP1030107
8979415220	SAP2010107
8979433310	SAP1030108
8979673011	1J0033-100
8980067942	BF70942
8980187800	BF99800
8980208810	BL5039020
8980220721	BF70721
8980298891	1J0111
8980298920	1J0111
8980298921	1J0111
8980298922	1J0111
8980370041	SAP2010077
8980370042	SAP1030077
8980370042	SAP2010077
8980400930	SAP1030077
8980750260	1J0111
89814456801	SAP8568L
8-981456800	SAP8568L
8981456800	SAP8568L
8981456801	SAP8568L
8981808740	1J0112
8981808750	1J0112
8981851800	SAP2010227
8982551391	SAP2010077
8983810010	BF99010
8983899730	BF99730
8984333438	2J0008
95631139	SAP1030035
95631143	SAP1030077
97034285	BF75323
9873325020	1J0027
9873325020	1J0112
B4240-15001	BF921462911

COMPETITOR No	PART No
<b>IVECO</b>	
02516892	SAP9753034730
02516923	SAP9753034730
02516973	SAP9753034730
02521211	SAP9753034730
02808514	SAP9753034730
04804765	SAP9753034730
109776	SAP93470P
222724	SAP74390F
2468535	SAP11000H
2498634	SAP11000H
42042090	SAP229859
42085657	SAP4170P
42085658	SAP4170P
42085762	SAP9753034730

COMPETITOR No	PART No
<b>IVECO</b>	
42485602	SAP40000L
42530048	SAP93470P
42535061	SAP78964
4783981	SAP3514511
4789811	SAP93470P
4789812	SAP93470P
4804765	SAP9753034730
500303739	SAP61260H
500370415	SAP50021J
795970	SAP43241D
8007700	1B0002
8137037	SAP61260H
980829	SAP43241D

COMPETITOR No	PART No
<b>J &amp; N</b>	
400-14002R	1F0003DP
400-52000R	1F0003DP
410-12290	2D0026

COMPETITOR No	PART No
<b>JAPANPARTS</b>	
TI-2037R	SE2361LR
TI-203L	SE2361LR
TI-203R	SE2361LR
TI-310R	SE1341LR
TI-905L	SE5171LR
TI-905R	SE5171LR
TI-998R	SE5321LR

COMPETITOR No	PART No
<b>JAPKO</b>	
1112037R	SE2361LR
111203L	SE2361LR
111203R	SE2361LR
111310R	SE1341LR
111905L	SE5171LR
111905R	SE5171LR
111998R	SE5321LR

COMPETITOR No	PART No
<b>JCB</b>	
714/35600	2B0027
714/35600R	2B0027
71440164	1J0110

COMPETITOR No	PART No
<b>JMC</b>	
1601100BG	530P00105

COMPETITOR No	PART No
<b>JOHN DEERE</b>	
471862001	SAP2033J
50197001	SAP2033B
AM125581	SAP2033B
AM137563	SAP2033B
ATI11635	2J0007
AT263669	1J0110
RE24305	2D000711
RE41754	2D000711
RE61547	2D0007
SE502076	1J0110
TY6728	2D000711

COMPETITOR No	PART No
<b>JP GROUP</b>	
1244602079	SE5321LR

COMPETITOR No	PART No
<b>JUST PARTS</b>	
LU2-0001N	2E0001

COMPETITOR No	PART No
<b>KAISER</b>	
K102I	BF1108
K536M	BF1107

COMPETITOR No	PART No
<b>KAVO PARTS</b>	
STE-3501	SE5321LR
STE-3513	SE5171LR
STE-5533	SE7831LR
STE-5534	SE7831LR
STE-9126	SE2361LR
STE-9127	SE2361LR

COMPETITOR No	PART No
<b>KENWORTH</b>	
18500D044	530P00100
2106438	BF5420248100
2106749	BF5420248100
29013287	BF77022
3624-15L111	BF901536241
480839H	530P00101
660401	BF5420273100
A3144D238	ES3461LR
B71-1000	BF78128
B711002	BF99002
K 301-182	530P00099
K162311	BF71986
K188-280	BF5420248100
K188350	BF901516153
K301D230	530P00100
K379-12	SAP24146
K379-14	SAP24144
PEV2216-15L101	BF901416151
PS3624-15L111	BF901536241
R201310	BF836
R230071	ES431LR
S400-850-904-0	4008509040
S432-413-024-0	SAP-R9553300
S432-471-101-0	4324711010
S4324711010XRMAN	4324711010
S4613320000	SAP286171
S970-051-503-0	9700515030
S9700515120	9700515120
S975-303-473-0	SAP9753034730

COMPETITOR No	PART No
<b>KHD</b>	
1164995	2B0002
117-8511	1B0002

COMPETITOR No	PART No
<b>KIA</b>	
4950728B00	BF1125
4950733A10	BF1125

COMPETITOR No	PART No
<b>KING LONG</b>	
235200006	SAP4324101520

COMPETITOR No	PART No
<b>KNORR BREMSE</b>	
241-07028	SAP827880
481-007031-090	SAP32000
481007031090	SAP32000

COMPETITOR No	PART No
<b>KNORR BREMSE</b>	
AE4170	SAP4170P
AE4190	SAP93470P
BS85000	SAP8500L
DPM67A	SAP61084H
DPM94AAX	SAP14120L
DPM94AAX	SAP61260H
HB1143AT	SAP11430H
I77243	SAP4170P
I85510	SAP4170P
I135258	SAP74030
K004030	SAP-K004030
K018014	SAP106309
K038809	SAP61084H

<b>KOMATSU</b>	
1209346H91	SAP102626
1305787H91	ID0024
1305787H91ALTI022	ID0024
1307203H1	ID0024
168292R91	SAP281865
20G68K4520	SAP9753034730
600-813-1750	2J0004
86824R93	SAP102626
983246R92	SAP288539L
ALTI023	ID0024

<b>KP</b>	
KP-224	BF1109
KP-425	BF1136
KP-426	BF1125

<b>KRONE</b>	
9454310	SAP9753034730

<b>KWB</b>	
60082301	530P00042
60082401	530P00048

<b>KYB</b>	
341614	BF99002
341618	BF99918
341621	BF99417
341626	BF99000
341628	BF78490
341628	BF99425
441601	BF99417
KG6003	BF99320

<b>KYSOR INDUSTRIAL</b>	
2212006	530P00019

<b>LAUBER</b>	
58.0023	BF901808802

<b>LEA</b>	
1201051122	530P00043

<b>LEECE NEVILLE</b>	
35258940	2D0011
35259620	2D0011
7268M	2D0042

COMPETITOR No	PART No
<b>LEECE NEVILLE</b>	
7268MA	2D0042
7500ME	2D0044
93074	2D0042
A160203	1D0051
AV1555J	1D0067
AV1555P	1D0068
BLP2131GH	1D0065
LNS4000	2D0042
LNS4200	2D0042
M00017268ME	2D0042
M0017500ME	2D0044
M105R3502SE	2D0044
M110604	2D0064
M110610	2D0043
M110R2603SE	2D0042
M125R2001SEP	2D0042
M125R2632SE	2D0042
MS1-401A	2D0044
MS2-503	2D0042
MS2-507RM	2D0042

<b>LELAND</b>	
LV1020	SAP286171

<b>LEMFÖRDER</b>	
15179 01	SE3181LR
16352 01	SE2361LR
16353 01	SE2361LR
16353 02	SE2361LR

<b>LESTER</b>	
11121N	1J0067
12536N	1J0100
12551N	1J0004
12585	1B0002
12717N	1J0027
12718N	1J0027
12718N	1J0112
12744N	1J0110
14391	1B0028
14735N	1J0003A
16608N	2E0001
16739N	2J0004
17073N	2B0002
17292N	2J0023WH-12
18058N	2J0072
18059N	2J0007
18241N	2J0001
18280N	2J0008
18284N	2J0008
18360N	2B0012
18500N	2J0064
18539N	2J0077
18949N	2B0027
18962N	2J0014
19954N	2J0023WH-24
19955N	2J0023WH-24
19978N	2J0072
20095N	1J0033
23431N	1J0001A

COMPETITOR No	PART No
<b>LESTER</b>	
30726N	2J0030
3744N	2D0004
3974N	2D0004
6356N	2D000711
6370N	2D0006
6371N	2D0007
6573N	2D0011
6647N	2F0025
6837N	2D0044
6924N	2D0042
7058	1F0003DP
7059	1F0003DP
7176	1D000124V
7176	1D0001DP
8709N	1D0057
8743N	1D0054

<b>LEYLAND DAF</b>	
BBU5210	SAP9753034730
BBU7398	SAP9753034730

<b>LIZARTE</b>	
04.99.1400	BF901808802

<b>LOADGUARD</b>	
SC2750	BF-U9781SA

<b>LUCAS</b>	
26395D	2E0001
26395E	2E0001
LRA02421	1J0004
LRB137	1B0002
LRS00923	2B0002
LRS01580	2B0027
LRS01834	2J0008
LRS01915	2D0006
LRS01925	2J0014
LRS1834	2J0008
LRS1915	2D0006
LRS1925	2J0014
LRS212	2E0001
LRS615	2J0004
LRS923	2B0002

<b>LUK</b>	
2105317	BF5420273100
2105333	BF5420273100
2105424	BF901636032
2105795	BF5420320100
2106032	BF901691101
2106750	BF901567502
2106751	BF5420172100
2106752	BF901520675
2107262	BF901607262
2107611	BF5420320100
2108204	BF901559101
2108216	BF901508216
2108653	BF5420267100
5420045310	BF901808884
542004710	BF901808802

COMPETITOR No	PART No
<b>LUK</b>	
LF73C-LH2112182	BF901765911

<b>LUK MEXICO</b>	
542 0032 10	BF911059221
542 0045 10	BF5420045100
542 0048 10	BF901848102
542 0065 10	BF901567502
542 0130 10	BF5420130100
542 0169 10	BF901520675
542 0172 10	BF5420172100
542 0176 10	BF5420176100
542 0191 10	BF901691101
542 0195 10	BF901636032
542 0239 10	BF5420239100
542 0248 10	BF5420248100
542 0260 10	BF901508216
542 0267 10	BF5420267100
542 0273 10	BF5420273100
542 0290 10	BF901607262
542 0320 10	BF5420320100
542 0334 10	BF901607262
542 0359 10	BF901559101

<b>LYNX AUTO</b>	
C4333R	SE5321LR

<b>MACK</b>	
100H312P1	ES2090-91LR
1019773A	SAP281865
1090403	SAP65174A
1092939	SAP279180
1093795	SAP107794
1118969	SAP74064
1204-100495	SAP100495
13QC325AP2	BF77022
140K211P2	BF78117
140K2113P5	BF99002
140K391M	BF78189
140K431M	BF99061
190J29302A	SAP-HC114024
1MR2455	SAP74056
1MR3412P2	530P00098
1MR3440	530P00098
1MR571	530P00097
201S.J14	BL333
201S.J14A	BL333
201S.J25	BL333
20371883	SAP127200H
20377023	SAP-R955300
20590487	BF1107
2055SQ11	BF450A
2055SQ15	BF534B
2055SQ15	BF548
20706327	SAP30022
20714924	SAP-R801074
20QE2288	SAP289714
20QE3187M	SAP-KN20615
20QE3296M	SAP800629
20QE458	SAP065125
2104127200	SAP127200H

COMPETITOR No	PART No
<b>MACK</b>	
21045280X	BL334
21353442	SAP9121420020
21463062	4324711010
21463062	SAP-SS1200PLP
21463062	SAP-SS1200PL
21638154	SAP65225BKT
21638154	SAP65225D
2170-5676X	BL478
22169884	SAP9121420020
2511014	SAP281865
25166488	SAP30024
25174715	SAP20014
25621955	BF99002
25G231	SAP205105
25MY32P5	SAP240931
25QD410P10	SAP10141
25QD419P4	SAP-R801074
27022919	SAP370001A
27076258	SAP46300
27092084	ES187LR
301SQ44	BF700
301SQ52	BF834
301SQ53	BF1107
3088-A4740	SAP-A4740
3132452	SAP107516
316GC1184	70004
316GC1184BX	70004
316GC1205	70004
316GC1211A	70004
316GC1211AX	70004
316GC1211B	70004
316GC284A	70006
316GC285B	70005
316GC3195	70005
316GCA1211	70004
316GCA1211A	70004
3171696	BF99001
32QJ329	SAP370023A
370245001	ES2090-91LR
370245011	ES423LR
3919902	BF99320
3919957	BF99320
3948868	ES2090-91LR
3948883	ES187LR
3948951	SAP63310D
3948972	SAP04341
54MT325	SAP2033D
621-99982	530P00103
621-999827	530P00102
621-999839	530P00101
6300-4324130240	SAP-R955300
6300-4324711010	4324711010
6300-432471101R	4324711010
6300-4613320000	SAP286171
6300-4753150000	SAP275491
6300-9753034730	SAP9753034730
6300-RKN20021	SAP275175
6300-RKN28140	SAP279180
6300-RKN32005	SAP229859
64MT283	SAP2283M

COMPETITOR No	PART No
<b>MACK</b>	
64MT283AM	SAP2283M
64MT283M	SAP2283M
64MT337	SAP2033A
64MT339	SAP2036M
64MT411M	SAP2005M
64MT412M	SAP2036B
64MT413M	SAP2033K
64MT423M	SAP2040
64MT435	SAP2033K
650435MT	BF99901
700406MT	BF99402
722015001	SAP102626
729010001	SAP229860
8071328	SAP-A6909
8071356	SAP289714
8235-R308804	BF-RB268
8235-R955275491	SAP275491
8235-RKN20021	SAP275175
8235-RKN28140	SAP279180
8235-RKN32005	SAP229859
8235-S4324711010X	4324711010
8235-S4613320000	SAP286171
8235-S9753034730	SAP9753034730
837003	SAP47691
839984	SAP370001A
85103824	SAP370023A
85103829	SAP46300
85107160	SAP205105
85124623	70007
85142305	70007
858354	SAP370001A
859984	SAP370001A
865426	SAP278323L
KIT195	BF823
KIT198	BF547
MACK220062021	SAP9125420070
MACK22169884	SAP9121420020
MAK64MT283BM	SAP2283M

<b>MAFI</b>	
0005660001	SAP9753034730
5660001	SAP9753034730

<b>MAGNETI MARELLI</b>	
352316170789	93047
600000145440	SE5321LR

<b>MAN</b>	
51261017195	1B0002
81521016076	SAP9753034730
81521016083	SAP9753034730
81521016085	SAP9753034730
81521016112	SAP9753034730
81521016114	SAP9753034730
81521016119	SAP9753034730
81521016123	SAP9753034730
81521016132	SAP9753034730
81521019083	SAP9753034730
81521019132	SAP9753034730
81521026036	SAP43241D

<b>MAN</b>	
88521026001	SAP43241D

<b>MARELLI</b>	
63521092500	2B0012

<b>MARMON</b>	
0159-00117-000	BF5420239100

<b>MAZDA</b>	
0559-99-330	BF602
1308TTFLOE	SAP-A1308STD
1316-99-330	BF605
1363-99-322	SE1341LR
1K0916460	SAP2010077
4311JFLOE	SAP-A4311STD
4515EFL0E	SAP-A4515STD
4707DFLOE	SAP-A4707STD
4709DFLOE	SAP-A4709STD
W023-99-322	SE1341LR
W023-99-323	SE1341LR

<b>MCI</b>	
15-02-1081	SAP-BRK038574HD

<b>MDR</b>	
MTR-8203L	SE2361LR
MTR-8203R	SE2361LR
MTR-8310R	SE1341LR
MTR-89001	SE5321LR
MTR-8905L	SE5171LR
MTR-8905R	SE5171LR
MTR-8999	SE5321LR

<b>MERCEDES-BENZ</b>	
0004200184	SAP61084H
001 431 40 06	SAP4170P
001 431 87 06	SAP4170P
001 431 89 06	SAP4170P
001 431 93 06	SAP4170P
001 460 30 80	BF901808802
0014310006	SAP9753034730
0014310606	SAP9753034730
0014311206	SAP9753034730
0014313406	SAP9753034730
0014318305	SAP3514511
0014318905	SAP3514511
0014319105	SAP3514511
0014319806	SAP9753034730
0014319905	SAP3514511
002 431 01 06	SAP4170P
002 431 40 06	SAP4170P
002 431 91 06	SAP4170P
002 431 94 06	SAP93470P
002 460 08 80	BF901808802
002 460 22 80	BF901808884
002 460 39 80	BF901808802
002 460 88 80	BF901808884
002 460 89 80	BF901808884
0024312705	SAP3514511
0024313406	SAP9753034730

<b>MERCEDES-BENZ</b>	
0024314306	SAP9753034730
0024314906	SAP9753034730
0024318105	SAP3514511
0024318306	SAP9753034730
0024600880	BF901808802
0024608880	BF901808884
003 460 49 80	BF901808884
0034602280	BF901808884
0034604980	BF901808884
004-151-89-01	2B0012
007-154-92-02	1B0002
007-154-99-02	1B0002
14318305	SAP3514511
20160347200	70101
3454317105	SAP3514511
3842957018	SAP97051
4290897	SAP106309
4293795	SAP106309
471 130 02 15	SAP-K035912
471 130 17 15	SAP-K035912
471 130 25 15	SAP-K035912
4783981	SAP3514511
4841006	SAP3514511
6042000701	78001
611-200-0501	78008
611-200-0801	78008
611-200-1101	78008
69529506	KG20001.4.3
82854945650	SAP78964
904-200-0201	78001
9042000201	78001
9042001901	78001
9042002001	78001
906 200 40 01	78009
906 200 43 01	78009
906 200 51 01	78009
906 200 63 01	78009
9700511780	SAP97005
9700511790	SAP97051
A0004200184	SAP61084H
A0004293695	SAP106309
A001295.9106	KG20001.0.8
A0012959106	KG20001.0.8
A0014318305	SAP3514511
A0014603180	BF901848102
A001460438	BF5420045100
A0014605280	BF901848102
A0014606080	BF911059221
A002.250.5115	ZA5108.3.2
A002.250.5415	ZA5108.3.2
A002.254.0320	ZA5108.3.2
A002.254.0420	ZA5108.3.2
A002.295.0206	KG190084.0.1
A0022505115	ZA5108.3.2
A0022505415	ZA5108.3.2
A0022540320	ZA5108.3.2
A0022540420	ZA5108.3.2
A0022950206	KG190084.0.1
A0024314906	SAP9753034730
A4722000001	70101

COMPETITOR No	PART No
<b>MERCEDES-BENZ</b>	
A4722000101	70101
A4722000401	70101
A61122001101	78008
A9042002601	78001
A9062001301	78002

COMPETITOR No	PART No
<b>MERITOR</b>	
123396	SAP3721
123399	SAP3687
123400	SAP3687
123567	SAP3721
123570	SAP3807X
12999796	SAP-BPD1777-1
2102702	SAP-BPD1708
2222854	BL333
2252 L2 CD	SAP-BPD1370
250D240BP4	SAP288540L
2797-B-106	TYPE16L
2797-C-1043	TYPE12L
3122550002	SAP3141X
3122607002	SAP3166X
3123409002	SAP3141B
3222F2476	SAP-BPD1311
53123567002	SAP3721
53123581002	SAP3807X
801000	BL12213
8235-S9700515030	SAP97503
85123366002	SAP3721
85123383002	SAP3710X
85123383002	SAP3758X
85123399	SAP3687
85123399002	SAP3687
A11205X2728	SAP100494
A11205Y2729	SAP100495
A1205B1926	SAP100494
A1205Q2591	SAP100557
A1205Y1975	SAP42627
A13275C601S	SAP-AS1132
A13275Z598S	SAP-AS1141
A3144E525	ES187LR
A3144R226	ES187LR
A3222D2110	SAP4705
A323275H1152	SAP-R801073
A63275X596	SAP288282L
CB2100881X	BL88107A
CB2100881X	BL88107ACS
CB210121-1XSA	BL210121-1X
CB2102071X	BL88509ACS
CB2106611XSA	BL88512ACS
CP101X	BL341
CP1306X	BL315G
CP134X	BL353
CP1501X	BL391
CP1503X	BL398
CP1505X	BL393
CP1515X	BL383
CP153X	BL329
CP155N	BL358
CP160X	BL330
CP18N96	BL480

COMPETITOR No	PART No
<b>MERITOR</b>	
CP212X	BL355
CP213X	BL433
CP260X	BL365
CP3147X	BL534G
CP407X	BL376
CPL6R50	BL861
E-700	SAP-E700L
E-FUA4688N	SAP-A4688
E-MDKN68237N	SAP68237
E-MDKN68237N	SAP68237R
E10788A	SAP-AS1141
E11398	SAP-AS1132
E11399	SAP-R801042
E15016	SAP-AS1132
E15025	SAP-AS1141
E1552	BFF30240
E1574HD	SAP283411L
E1574SBK	SAP283411L
E4442B	BF849
E4457B	BF546M
E6927B	SAP10142
E6940	SAP-AS1132
E9107	SAP452L
E9942B	BF853
EA230EZBP	SAP125489
EA239BP	SAP127740H
EAB197VBP	SAP6306-2RS
EB201	SAP127200H
EBN102626X	SAP102626
EBN800404N	SAP63310D
EFUA3546N	SAP-A3546
EP10892525	SAP108925-25B9
G201334	BF867
G201486	BF849
GCB2106611X	BL88512ACS
GCP243X	BL964
HB88508E	BL88508ACS
HB88512B3	BL5003323
KIT 8000	SAP-K2769
KSF5504311JE	SAP4311E
KSF5504515F3	SAP4515E
KSF5571308E	SAP1308E
KSF5571308Q	SAP1308Q
KSF5574311JE	SAP4311E
KSF5574515Q	SAP4515Q
KSF5574702QP	SAP4702
KSF5574707QP	SAP4707Q
KSF5574709ES2	SAP4709
KSF5574715QPPR	SAP4715
KSF5574720QP	SAP4720
KSMA3124702QP	SAP4702Q
KSMA3124707QP	SAP4707Q
KSMA3124709E2	SAP4709E2
KT16SB	BLL475
KT17SB	BLL476
M407X	BL376
M44D71601	SAP-BRM44D71601HD
M44D75180	SAP-BRM44D75180HD
M44D76613	SAP-BRM44D76613HD
M44D76617	SAP-BRK038574HD

COMPETITOR No	PART No
<b>MERITOR</b>	
M44D76618	SAP-BRK038573HD
M44D76690	SAP-BRM-44D76690HD
M44D76691	SAP-BRM44D76691HD
M44D76692	SAP-BR802569HD
M677X	BL477
M808002	SAP65166A
M83041	BF78189
M85067	BF99067
M85711	BF99402
M85724	BF78490
M89450	BF99061
M89451	BF99067
MA3121308TTAC	SAP-A1308STD
MA3121443TTAC	SAP-A1443STD
MA3124311JAC	SAP-A4311STD
MA3124515GB	SAP-A4515STD
MA3124524B	SAP-A4524STD
MA3124705TTAC	SAP-A4705STD
MA3124707B	SAP-A4707STD
MA3124709DAC	SAP-A4709STD
MA3127402	SAP-A4702STD
R109994	SAP106309
R11450	SAP450L
R11451	SAP451L
R11452	SAP452L
R200039	BF572DC
R200050	BF546M
R200052	BF645
R200065	BF829
R200268	BF1108
R201474	BF873CB
R201604	BF873CB
R201605	BF873CB
R201606	BF873CB
R225056	BF71986
R230018	ES373LR
R230019	ES373LR
R230028	ES411LR
R230029	ES411LR
R230030	ES2035-36LR
R230031	ES2035-36LR
R230034	ES2061-62LR
R230035	ES2061-62LR
R230036	ES2069-70LR
R230037	ES2069-70LR
R230060	ES187LR
R230061	ES187LR
R230066	ES346LR
R230067	ES346LR
R230068	ES423LR
R230069	ES423LR
R230070	ES431LR
R230071	ES431LR
R230072	ES2090-91LR
R230073	ES2090-91LR
R230104	ES3030-31LR
R230105	ES3030-31LR
R230139	ES3476-77LR
R230140	ES3476-77LR
R230141	ES3274-75LR

COMPETITOR No	PART No
<b>MERITOR</b>	
R230142	ES3274-75LR
R230420	ES3297-98LR
R230421	ES3297-98LR
R250051	BF71958
R250067	BF72358
R250088	BF72372
R250122	BF72440
R250350	ES3252R
R3013922	SAP-KN27000
R301552	BFF30240
R304323	SAP90054007
R308804	BF-RB268
R4515F3	SAP4515E
R801041	SAP-R801041
R801041	SAP65170A
R801042	SAP-R801042
R801042	SAP65172A
R801072	SAP65174A
R801073	SAP-AS1140
R801073	SAP-R801073
R801074	SAP-R801074
R801079	SAP65174A
R802446	SAP65174A
R806004	SAP10141
R806013	SAP10212
R806019	SAP10211
R806021	SAP10215
R806022	SAP10143
R806023	SAP10142
R806024	SAP10140
R806026	SAP10141
R806026A	SAP10142
R822000	SAP278323L
R822001	SAP47011L
R822003	SAP288282L
R822006	SAP50070L
R822008	SAP278305L
R822010	SAP278305L
R822013	SAP49000L
R822014	SAP49010L
R823002	SAP288282L
R823006	SAP288539L
R823007	SAP288540L
R824000	SAP278323L
R824003	SAP288282L
R824007	SAP283411L
R824009	SAP278302L
R824013	SAP49000L
R825002	SAP278302L
R825004	SAP49010L
R825005	SAP49000L
R825011	SAP288282L
R90555396	SAP-KN31001
R945004	SAP100557
R950011	SAP106309
R950013	SAP-R950013
R950014	SAP-R950014
R950114	SAP452L
R955065225N	SAP65225D
R955065225XCF	SAP65225D

The numbers used for cross reference and the photos provided are for informational purposes only. All brands and references listed in the catalog belong to the respective companies.

COMPETITOR No	PART No
<b>MERITOR</b>	
R955065612N	SAP65612D
R955065624N	SAP65624
R955103009X	SAP103009
R955103010N	SAP103010
R955103010X	SAP103010
R955107516N	SAP107516
R955107695N	SAP107695
R955107794X	SAP107794
R955107794XRMAN	SAP107794
R955107796N	SAP107794
R955109477X	SAP65612D
R955109493PGXCF	SAP65624
R955109685NP	SAP65225D
R955131081N	SAP131081
R95519974N	SAP19974
R955205	SAP-R955205
R955227870	SAP-KN23010
R955228750N	SAP228750
R955275491	SAP275491
R955286171N	SAP286171
R955288323	SAP-KN31000
R955300	SAP-R955300
R955300X	SAP-R955300
R955329	SAP30026
R955335	SAP30002
R955336	SAP30146
R955338	SAP30164
R955341	SAP30162
R955342	SAP30004
R9555004336N	SAP107798
R9555004341X	SAP04341
R9555010696X	SAP801266
R955608	SAP30174
R955800404N	SAP63310D
R955800629N	SAP800629
R95590555396	SAP-KN31000
R955A5015N	SAP-A6915
R955BE13250N	SAP13250
R955KN27000N	SAP-KN27000
R955KN28060X	SAP-KN28060
R955KN28500	SAP-KN28520
R955KN28520N	SAP-KN28520
R955KN30400N	SAP-KN30400
R955KN30400X	SAP-KN30400
R955KN68230N	SAP68230
R955KN68237N	SAP68237
R955KN68237N	SAP68237R
RKN20541	SAP20541H
RSL10005A	SAP-A10005A
RSL110170	SAP110170
RSL110171	SAP110171
RSL110500	SAP110500
RSL110700	SAP110700
RSLA1000S	SAP1000R
RSN4017A	SAP60200F
S4008509040	4008509040
S4324130240	SAP-R955300
S4324709202	4324709202
S4324711010	4324711010
S4324711010	SAP-SS1200PLP

COMPETITOR No	PART No
<b>MERITOR</b>	
S4324711010	SAP-SS1200PL
S4324711010X	4324711010
S4410321840	SAP30118
S4410323810	SAP30104
S4497130300	SAP30126
S4497130500	SAP30130
S4721700020	4721700020
S965 001 208 0	SAP12080F
S9650011060	SAP11060F
S9700515120	9700515120
S9753034730	SAP9753034730
SMA2121443E	SAP1443E
TDAS9700515030	SAP97503
TDAS9700515050	SAP97505
US250X	BL-SPL250
US90X	BL-SPL90
XK5234311E	SAP4311E

COMPETITOR No	PART No
<b>MERITOR ROCKWELL</b>	
KIT123	BF450A
KIT1310	BF836
KIT141	BF450A
KIT142	BF465A
KIT143	BF477AR
KIT170	BF700
KIT172	BF504
KIT178	BF517
KIT193	BF534B
R200010	BF420C
R200012	BF466
R200014	BF472A
R200025	BF492A
R200029	BF571
R200032	BF517
R200035	BF523DC
R200039	BF570DC
R200040	BF570DC
R200044	BF537
R200046	BF722
R200047	BF539BIR
R200048	BF538BIR
R200049	BF525
R200051	BF548
R200055	BF817
R200062	BF825
R200066	BF830
R200071	BF834
R200142	BF465A
R200143	BF477AR
R200170	BF700
R200172	BF504
R200193	BF534B
R200195 (ROR195)	BF823
R200198	BF547
R200222	BF469A
R200250	BF846CB
R200265	BF470
R200269	BF841
R200270	BF842
R201315 (ROR1315)	BF848CB

COMPETITOR No	PART No
<b>MERITOR ROCKWELL</b>	
R201426	BF849

COMPETITOR No	PART No
<b>MERITOR WABCO</b>	
R11444	SAP12-136
R11445	SAP12-138

COMPETITOR No	PART No
<b>MES MOTORCYCLE &amp; MARINE</b>	
S2900M	2E0001

COMPETITOR No	PART No
<b>MEYLE</b>	
034 046 0017	BF901808884
034 631 0002	BF901808802
616 020 0020	SE5321LR

COMPETITOR No	PART No
<b>MGM</b>	
CSB16D051	SAP-AD16
CSB18D051	SAP-AD18
CSB20D051	SAP-AD20
CSB24D051	SAP-AD24
TRB1624DT051	SAP-AD1624
TRB1824DT051	SAP-AD1824
TRB2024DT051	SAP-AD2024
TRB2424DT051	SAP-AD2424

COMPETITOR No	PART No
<b>MGM BRAKES</b>	
3230051	3030XLS

COMPETITOR No	PART No
<b>MICRO SWITCH CO</b>	
BZ2RQ233A2	530P00044

COMPETITOR No	PART No
<b>MIDLAND</b>	
11444	SAP12-136
11445	SAP12-138
BE23784	SAP-BE23784
KN68237B	SAP68237R
NI28229	SAP128229D
NI28230	SAP128230D
NI28579	73712
NI5759DB	SAP-KN31001
SA66891	BF99002

COMPETITOR No	PART No
<b>MIDWEST</b>	
EM36370	SAP-KN28500
WA177-277	530P00090
WA177-278	530P00091
WA177-280	530P00097
WA901-05-2400	70377
WA920-30-1023	BF901416151
WADS1186	BF72372
WADS1220	BF72440
WADS1276	BF72552
WADS1280	BF72560
WADS4619B	BF79238
WADS7584	BF75168
WAKD2261	KD2261

COMPETITOR No	PART No
<b>MINNPAR</b>	
47-1225	1F0003DP
57-1272	2E0001

COMPETITOR No	PART No
<b>MINNPAR</b>	
57-5124	2D0026

COMPETITOR No	PART No
<b>MITSUBISHI</b>	
1812006031	1J0033
82378	2D0044
A004TU5485	1J0110
A004TU5486	1J0110
A2T72383	1J0004
A4TU5485	1J0110
A4TU5486	1J0110
M002T786	2J0072
M008T80071	2J0014
M008T80071A	2J0014
M008T80071B	2J0014
M009T70979	2D0042
M2T66871	2J0001
M2T66872	2J0001
M2T66873	2J0001
M2T66881	2J0001
M2T66882	2J0001
M2T67871	2J0001
M2T67872	2J0001
M2T67873	2J0001
M2T67882	2J0001
M2T67884	2J0001
M2T78681	2J0072
M2T78682	2J0072
M8T80071	2J0014
M8T80071A	2J0014
M8T87171	2J0077
M9T0979	2D0042
M9T70579	2D0042
MB160671	BF1125
MB176872	BF1136
MB297374	BF1136
MB297376	BF1136
MB297384	BF1125
MC093701	BF920903701
MC83821F	SAP38211F
MC889050	SAP10870
MC891397	SE7831LR
MC891398	SE7831LR
MC891912	SE7831LR
MC891913	SE7831LR
ME012994	2J0014
ME012995	2J0014
ME014418	2J0014
ME017034	2J0001
ME017035	2J0001
ME017036	2J0001
ME017056	2J0001
ME017061	2J0001
ME017085	2J0001
ME017088	2J0001
ME017089	2J0001
ME017092	2J0001
ME049303	2J0077
ME520349	SAP2010220
ME520663	SAP2010220
ME520730	SAP2010220

COMPETITOR No	PART No
<b>MITSUBISHI</b>	
ME657650	SAP100809
ME080740	2J0077
MK309191	SE7831LR
MK309192	SE7831LR
MK309711	SE7831LR
MK309712	SE7831LR
MK384672	SE7831LR
MK384673	SE7831LR
MK997628	SE7831LR
MK997629	SE7831LR
ML106242	SE7831LR
ML106243	SE7831LR
PB0979	2D0042
PC0779	2D0042

COMPETITOR No	PART No
<b>MONROE</b>	
65102	BF99002
65118	BF99320
65128	BF78128
65139	BF99918
65144	BF78144
65147	BF78147
65147	BF99924
65148	BF99918
65159	BF78159
65419	BF99000
65435	BF99901
65436	BF99900
65490	BF78490
65490	BF99425
65492	BF99931
65494	BF99061
65495	BF99067
65530	BF99932
66117	BF78117
66118	BF99101
66122	BF99038
66147	BF99009
66161	BF78161
66162	BF78162
66189	BF78189
66419	BF99931
66423	BF99002
66426	BF99924
74001	BF99001
74402	BF99402
74416	BF99416
74417	BF99417
74425	BF99425
74471	BF99471
85000	BF99000

COMPETITOR No	PART No
<b>MOOG</b>	
231	BL331
232	BL331
233	BL433
234	BL534G
235	BL534G
237	BL437G
240	BL437G

COMPETITOR No	PART No
<b>MOOG</b>	
245	BL315G
245	BL317
246	BL317
248	BL316
253	BL353
254	BL354
260	BL433
269	BL369
270	BL354
275	BL353
280	BL369
285	BL387
287	BL387
290	BL355
295	BL330
315G	BL315G
316	BL316
317	BL317
329	BL329
330	BL330
331	BL331
333	BL333
334	BL334
338	BL338
346	BL315G
351	BL351
353	BL353
354	BL354
355	BL355
365	BL365
369	BL369
371	BL371
371	BL377
377	BL371
377	BL377
378	BL365
381	BL381
387	BL387
389	BL389
391	BL391
433	BL433
437G	BL437G
446	BL446
462	BL462
477	BL477
534G	BL534G
80063C	BF848CB
8294B	BF420B
8373B	BF469
8377B	BF420B
8453B	BF505
8458B	BF466
8479B	BF477AR
8489B	BF504
8503B	BF517
8507B	BF477AR
8515B	BF504
8518B	BF700
8519N	BF465A
8524B	BF570DC

COMPETITOR No	PART No
<b>MOOG</b>	
8524B	BF823
8540B	BF523DC
8553B	BF534B
8555B	BF572DC
8558B	BF834
8562N	BF539BIR
8568B	BF537
8571B	BF547
8572B	BF548
8574B	BF525
8577B	BF645
8581B002	BF817
8589B	BF825
8590B	BF823
8600B	BF852
8605B	BF838
8611B	BF836
8613B	BF830
8633C	BF846CB
8637B	BF1108
8647B	BF841
8655B	BF849
878	BL478
BF825	BF825
DS1179	BF72358
DS1220	BF72440
DS1276	BF72552
DS300002	BF79238
ES-142L	ES142LR
ES-142R	ES142LR
ES-187L	ES187LR
ES-187R	ES187LR
ES-2069R	ES2069-70LR
ES-2070L	ES2069-70LR
ES-3252R	ES3252R
ES-3253R	ES3252R
ES-346L	ES346LR
ES-346R	ES346LR
ES-3476L	ES3476-77LR
ES-3477R	ES3476-77LR
ES-373L	ES373LR
ES-373R	ES373LR
ES-411L	ES411LR
ES-411R	ES411LR
ES-431L	ES431LR
ES-431R	ES431LR
ES2061L	ES2061-62LR
ES2062R	ES2061-62LR
ES2090L	ES2090-91LR
ES2091R	ES2090-91LR
ES3030R	ES3030-31LR
ES3031L	ES3030-31LR
ES3274L	ES3274-75LR
ES3275R	ES3274-75LR
ES3476	ES3476-77LR
ES3477	ES3476-77LR
ES423L	ES423LR
ES423R	ES423LR
M8524B	BF570DC

COMPETITOR No	PART No
<b>MOTORCRAFT</b>	
AH-012	BF99471
CAX-707	BF99002
GL-152	1F0003DP
GL-52	1F0003DP
GL-63	1F0003DP
GL-86	1F0003DP
GL-88	1F0003DP
GL-92A	1F0003DP

<b>MPA</b>	
X7078107N	1F0003DP
X716608N	2E0001

<b>MRK</b>	
MH-57	BF321
MI-09	BF232
MI-10	BF231
MI-10	BF232
MI-52	BF1109
MT-05	BF1136
MT-06	BF1125

<b>MURPHY</b>	
20BTG-250-6-1/2 (10702524)	GAM-P6351
20PG	GAM-H6711
20T-250-12-1/2 (10702046)	GAM-H6511
20T-250-16-1/2 (10702048)	GAM130001

<b>NAM YANG</b>	
NY-425	BF1136
NY-426	BF1125

<b>NAPA</b>	
B0220E	SAP-P4070

<b>NAPA POWER</b>	
13-3009	1F0003DP
13-3014	1F0003DP
213-3009	1F0003DP
213-3014	1F0003DP

<b>NATIONAL</b>	
100494	SAP100494
100495	SAP100495
100557	SAP100557
127591	SAP127591
127592	SAP127592
340-975BK	SAP-HCI24975
370001A	SAP35058
370001A	SAP35066
370001A	SAP370001A
370003A	SAP370003A
370003A	SAP47691
370003A	SAP47697
370005A	SAP370005A
370006A	SAP370006A
370019A	SAP370019A
370021A	SAP370021A
370022A	SAP370022A
370023A	SAP370023A

COMPETITOR No	PART No
<b>NATIONAL</b>	
370023A	SAP38780
370025A	SAP370025A
370025A	SAP46300
370025A	SAP46305
370031A	SAP370031A
370033A	SAP370033A
370036A	SAP370036A
370048A	SAP370048A
370065A	SAP370065A
370065A	SAP376590A
370065A	SAP42623
370065A	SAP42627
370069A	SAP370069A
370173A	SAP370005A
370182A	SAP370048A
370349A	SAP370036A
376590A	SAP370065A
376590A	SAP376590A
376590A	SAP42627
380001A	SAP370001A
380023A	SAP38780
380065A	SAP370065A
380065A	SAP376590A
416470N	SAP100494
4544V	SAP100557
475003N	SAP127592
5645	SAP5645
W/AR-12	SAP370033A

COMPETITOR No	PART No
<b>NATIONAL 5 STAR</b>	
380001A	SAP35058
380003A	SAP370003A
380003A	SAP47691
380003A	SAP47697
380022A	SAP370022A
380023A	SAP370023A
380025A	SAP370025A
380025A	SAP46300
380025A	SAP46305
380031A	SAP370031A
380036A	SAP370036A
380048A	SAP370048A
380064A	SAP370065A
380064A	SAP376590A
380069A	SAP370069A
386002A	SAP370025A
386002A	SAP46300
386002A	SAP46305
386590A	SAP370065A
386590A	SAP376590A

COMPETITOR No	PART No
<b>NEAPCO</b>	
1-0005	BL344
1-0011	BL395
1-0012	BL390
1-0027	BL391
1-0029	BL393
1-0134	BL353
1-0170	BL338
1-0174	BL356

COMPETITOR No	PART No
<b>NEAPCO</b>	
1-0174	BL365
1-0200	BL329
1-0248	BL361
1-0297	BL371
1-0300	BL340
1-0300	BL341
1-0443	BL437G
1-1216	BL387
1-1475	BL861
1-1557	BL398
1-1608	BL386
1-2171	BL951
1-3600	BL507
1-6300	BL317
1-6301	BL315G
2-0020	BL389
2-0053	BL331
2-0054	BL330
2-0383	BL383
2-1175	BL316
2-1569	BL355
2-2275	BL964
2-3011	BL534G
2-3050	BL448
2-3111	BL492
2-4800	BL354
2-4800	BL433
3-0155	BL358
3-0188	BL351
3-3140	BL348
4-0279	BL333
4-2791	BL475
5-0280	BL334
5-2801	BL476
5-7205	BL7100
6-0020	BL-CP20RPLS
6-0025	BL-CP25RPLS
6-0281	BL381
6-0324	BL480
6-0407	BL376
6-0677	BL477
6-1170	BL-SPL170
CN210121-1X	BL210121-1X

<b>NEOPLAN</b>	
1102435544308	SAP9753034730
1102733544138	SAP9753034730

<b>NEW HOLLAND</b>	
VAME049303	2J0077
VII1812005303	1J0110

<b>NEWSTAR</b>	
346-263	BF71986
S 18757	SAP30011L
S 21905	SAP13250
S-10044	SAP452L
S-10045	SAP450L
S-10272	530P00097
S-11417	SAP110170

COMPETITOR No	PART No
<b>NEWSTAR</b>	
S-11418	SAP110171
S-11529	SAP-KN20615
S-11844	SAP65624
S-12068	530P00090
S-13377	SAP-RNT26
S-13538	BF79238
S-13715	BF72440
S-13717	BF72552
S-14117	BL-SPL90
S-15476	530P01910
S-16027	SAP107695
S-16394	SAP065706
S-16930	SAP800519
S-16988	SAP800516
S-17206	SAP451L
S-17341	SAP-R950013
S-17354	BF72372
S-18039	BF72560
S-18268	530P00043
S-18302	530P00091
S-18361	SAP-BE23784
S-18362	SAP-BE23703
S-18363	SAP421113
S-18458	BF901416151
S-18750	SAP-R950014
S-18847	BL5003323
S-1980	BL210121-1X
S-20219	SAP110500
S-20220	SAP110700
S-20366	530P00095
S-20366	530P00096
S-20435	530P00041
S-20596	530P00092
S-20677	530P00019
S-20678	530P00018
S-20738	SAP-R955300
S-20762	BF901416154
S-20809	SAP20008
S-20811	SAP24062
S-20812	SAP24150
S-20814	SAP22024
S-21125	SAP30016
S-21163	SAP953HD
S-21205	SAP22050
S-21206	SAP22176
S-2171	BL329
S-2171	BL369
S-21810	SAP24080
S-22084	BF75168
S-22132	SAP20010
S-22360	530P00020
S-22361	530P00017
S-22453	SAP22056
S-23191	SAP22046
S-23456	SAP24014
S-23551	SAP65172A
S-23553	SAP65176A
S-23556	SAP-R801041
S-23557	SAP-R801042
S-23558	SAP-R801073

COMPETITOR No	PART No
<b>NEWSTAR</b>	
S-23585	KD2261
S-23850	SAP10141
S-23852	SAP10143
S-23854	SAP10211
S-23855	SAP10212
S-23878	SAP065690
S-25039	SAP22048
S-25214	SAP-S4640070040
S-25657	SAP128462D
S-25736	BL376
S-25739	BL477
S-25780	BL-CP20RPLS
S-25781	BL-CP25RPLS
S-25905	BLL476
S-26293	SAP801266
S-26760	SAP22042
S-26796	SAP22094
S-27061	SAP24048
S-27117	SAP30010
S-2860	BL330
S-3103	SAP-A3546
S-3291	SAP-A4688
S-4771	SAP286171
S-5285	SAP-HC114195
S-5676	SAP229635
S-5890	BF5420239100
S-6006	SAP102626
S-6029	SAP-KN28520
S-6492	BF477AR
S-7020	BL88508ACS
S-7024	BL358
S-7027	BL331
S-7030	BL365
S-7934	BL88107ACS
S-7935	BL88509ACS
S-8030	SAP-A5000
S-8255	SAP103010
S-8718	SAP90054007
S-8802	SAP127760
S-8931	SAP68230
S-9146	SAP-A4740
S-9304	BF1108
S-9347	BL534G
S-9683	BL433
S-9846	BL315G
S-9867	SAP278305L
S-9869	SAP49000L
S-9971	530P01771
S-9978	SAP-KN27000
S-A140	SAP20541H
S-A210	SAP-K2170
S-A264	SAP228600
S-A265	SAP228750
S-A266	SAP279416
S-A323	SAP106309
S-A474	SAP107794
S-A482	BF1108
S-A484	BF853
S-A828	BF71958
S-A955	BLL475

**COMPETITOR No PART No**
**NEWSTAR**

S-A956	SAP1000R
S-B038	SAP127740H
S-B284	SAP-A10005A
S-C460	SAP-A6915
S-C461	SAP-A6913
S-C462	SAP-A6909
S-C472	BL475
S-C475	BL477
S-C518	SAP065146
S-C645	SAP131081
S-D680	SAP23000
S-D880	SAP065125
S-E129	BL-SPL90
S-E205	SAP38879X
S-E393	BF72358
S-E467	SAP-A6910
S-E648	SAP-A6918
S-E694	SAP800629
S-F316	KD2262
S-H000005	SAP24010
S-H000036	SAP22014
S-H000141	SAP22128
S-H000300	I31973
S-H001735	KD2205
S-H004802	SAP24144
S-H005308	BF901822162
S-H005652	I31973
S-H023404	SAP-A0071530228
S17600	BF901516153
S25849	530P00039
S28382	SAP24146
S3774	SAP19974
S8371	BF841
S8884	SAP12105
S9322	SAP-KN30400
S9367	SAP68237
S9367	SAP68237R
S-9863	SAP288282L

**NIKKO**

0-35000-3610	IJ0110
0-35000-3611	IJ0110
0-35000-3611	IJ0110

**NIPPARTS**

J4822035	SE2361LR
J4829009	SE5171LR
J4832001	SE2361LR
J4839002	SE5321LR
N4825042	SE7831LR
N4835042	SE7831LR

**NISSAN**

14570-Z5660	BF921056602
14670-Z5501	BF921255012
21010-02N03	93047
21010-02N25	93047
21010-02N26	93047
21010-02N27	93047
21010-02N28	93047

**COMPETITOR No PART No**
**NISSAN**

21010-02N85	93047
21010-02N86	93047
21010-02N87	93047
21010-02N88	93047
21010-02N89	93047
21010-02N90	93047
21010-02N91	93047
21010-0F002	93065
21010-0F003	93065
21010-21N25	93048
21010-21N26	93048
21010-21N27	93048
21010-21N28	93048
21010-21N29	93048
21010-21N85	93048
21010-21N86	93048
21010-22T25	93047
21010-22T26	93047
21010-22T27	93047
21010-35V25	93046
21010-35V26	93046
21010-35V27	93046
21010-43G02	93046
21010-43G03	93046
21010-43G25	93046
21010-43G26	93046
21010-43G27	93046
21010-43G28	93046
21010-43G29	93046
21010-43G85	93046
21010-43G86	93046
21010-43G87	93046
21010-80G01	93065
21010-80G25	93065
21010-80G26	93065
21010-80G27	93065
21010-80G28	93065
21010-80G29	93065
21010-80G85	93065
21010-G2404	93065
21010-0F002	93065
23100-EA201	1J0067
23100-EA20BR	1J0067
23300-06J01	2J0072
23300-06J02	2J0072
23300-06J04	2J0072
23300-0T003	2J0072
23300-0T005	2J0072
23300-10T01	2J0030
23300-2T700	2J0030
23300-34T00	2J0072
23300-3T700	2J0030
23300-43G01	2J0030
23300-45N50	2J0030
23300-6K200	2J0030
23300-7F400	2J0030
23300-L6000	2J0007
23300-L6600	2J0007
23300-Z5000	2J0007
23300-Z5005	2J0007

**COMPETITOR No PART No**
**NISSAN**

23300-Z5007	2J0007
23300-Z5505	2J0007
23300-Z5507	2J0007
23300-Z5515	2J0007
3010007P10	SAP2010035
30100VW21B	SAP2010035
30100VX28A	SAP2010035
475-04250	BF921056602
475-04345	BF921056602
47540D6400	SAP4324101520
47540D8929	SAP9753034730
48570-00Z79	BF-00Z79LR
48571-00Z79	BF-00Z79LR
49110-0T002	BF921200042
49110-2BA02	BF920807004
49110-EB700	BF920807004

**NK**

5031411	SE5321LR
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**NORGREN**

NRG27PPVA55R	530P00024
NRG27PPVA85R	530P00025
NRG27PPVB55R	530P00026
NRG27SNC110R	530P00027
NRG27SWA110R	530P00029
NRG27SWB303R	530P00028

**NOVITA**

EG22	EG22
EG23	EG23
HD12	HD12
HD13	HD13

**NPW**

I-26	90025
I-26A	90025
I-32	36302
I-43	90045
I-43A	90025
I-45	90042
MZ-49	90042
N-36	93046
N-41	93065
N-42	93047
N-64	93048
N-84	93046

**O&K**

1725373	SAP9753034730
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**OE**

1-81200-403-0	IJ0110
16-14530-000	KD2204
1614530000	KD2204
18-30630-000	KD2261
20307040	SAP20307
20307150	SAP23007
21419252	BF920992521
481-026027-000	SAP27000R

**COMPETITOR No PART No**
**OE**

481026027000	SAP27000R
4938310	BF911483102
4D33/34	BF920903701
59300-83401	SAP83401F
6306-2RS	SAP6306-2RS
64203179	SAP100808
64203502	SAP100809
9617011000	SAP11000H
96HU 3A674 AA	BF910959052
9753034730	SAP9753034730
BAV040	SAP61400H
EV221618R101	BF901822162
HE28587/18027/3	BF15975435
HE28588/18027/1	BF15627990
MAC38QC375	BFV10F1P7P38D5
MC838211	SAP38211F
ME 017 562	1J0004
N30056BR	SAP60200F
V10F1P7P38D5G20	BFV10F1P7P38D5
V20F1P9P38C6G20	BFV20F

**OEM**

NRG 27 SNC 110R	530P00027
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**ORION BUS**

061029001	SAP74028
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**OTR**

OTR375I3TRW	BF901816181
OTR801074	SAP-R801074
OTR801266	SAP801266

**PACCAR**

104-102	SAP2004
104-103	SAP2005
104-106	SAP2010
104-110	SAP2033C
1321058	SAP229635
13211E9181	SAP205105
1360001	SAP228750
334113	SAP228750
480827G	530P00102
665858	BF78159
85020-0	530P00033
915Y108TLT	530P00094
C71-6015	BF99067
K162-587	BF72372
K188-323	BF5420239100
RC250KMID	SAP-RC2540K

**PAI**

050645	SAP22048
050646	SAP22146
050653	SAP22030
050660	SAP22080
050661	SAP24006
050669	SAP24018
050670	SAP24048
050671	SAP24012
050691	SAP80702

**COMPETITOR No PART No**

**PAI**

350570	SAP24010
350586	SAP22014
450582	SAP22050
450600	SAP2036A
450610	SAP22054
451423	BF5420239100
481805	73717
650641	SAP22128
650650	SAP20008
650652	SAP22176
650654	SAP24062
650655	SAP24150
650657	SAP22094
650662	SAP24060
650665	SAP30010
650666	SAP30016
650681	SAP22042
681806	70101
740225E	SAP-S4640070040
740230	SAP24014
740252	530P00020
741422	BF901416151
750018	BFF30240
801131	70007
801131E	70007
802630	SAP110700
802663	SAP801266
81131E	70007
853731	SAP74040
853732	SAP74056
853733	SAP74064
853735	SAP74028
853736	SAP74036
853737	SAP74044
853738	SAP74032
853739	SAP74052
853740	SAP74060
853741	SAP74068
940620	SAP-R950013
940621	SAP-R950014
CAD-9706	SAP125300
CAD-9714	SAP125489
CPN-9710	SAP274C6
DKT-1196	SAP-RNT26
EF36610	SAP19974
EF37190	SAP-K2170
EM33670	70006
EM33690	70005
EM36100	SAP-KN30400
EM36430	SAP065125
EM40770	SAP110170
EM56310	SAP800629
EM56680	SAP065146
EM59210	BL861
EM59270	BL534G
EM68850	BL315G
EM68940	BL365
EM99930	ES3252R
ESP-3950-001	BFV10F1P7P38D5
EWP-3365	70004

**COMPETITOR No PART No**

**PAI**

EWP-3366	70004
EWP-3367	70006
EWP-3369	70005
GFR-3673	SAP-A4740
GFR-3719	SAP-K2170
GSV-3678	SAP-A5000
HSA-5043	SAP10211
JCB-6904	BL88508ACS
JCB-6906	BL88107ACS
JUU-5909	BL-CP25RPLS
JUU-6774	BL369
JUU-6776	BL353
JUU-6778	BL331
JUU-6877	BL358
JUU-6884	BL475
JUU-6915	BL376
JUU-6978	BL-SPL250
LCV-4065	SAP-KN23010
LCV-4066	SAP-KN23000
LKT-3631	SAP60200F
LPV-5237	SAP065706
LRV3637	SAP-KN28500
LSC-5247	SAP110500
LSC-5252	SAP110171
LST-3609	SAP228600
LST-3622	SAP228750
LSV-3696	SAP-A6909
LSV-3697	SAP-A6915
LSV-3699	SAP-A6910
LSV-3703	SAP68237
LSV-3703	SAP68237R
LSV-5238	SAP131081
MGH-4025	SAP452L
THC-9918	SAP-HC124975

**PAI INDUSTRIES**

181914	70153
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**PARTS-MALL**

PXCTF-007	SE2361LR
PXCTF-015	SE2361LR

**PE AUTOMOTIVE**

012.504-00A	BF901808884
012.506-00A	BF901808802
642.004-00A	SE7831LR
642.005-00A	SE7831LR
642.006-00A	SE7831LR
642.007-00A	SE7831LR
642.008-00A	SE7831LR
642.009-00A	SE7831LR

**PEMEBLA**

JAPTI-203L	SE2361LR
JAPTI-203R	SE2361LR
JAPTI-310R	SE1341LR
JAPTI-905L	SE5171LR
JAPTI-905R	SE5171LR
JAPTI-998R	SE5321LR

**COMPETITOR No PART No**

**PERFECT CIRCLE**

262-1010	BF420
262-1296	BF420B
262-1337	BF469
262-1378	BF505
262-1386	BF478B
262-1388	BF478C
262-1390	BF420C
262-1391	BF517
262-1411	BF469A
262-1413	BF466
262-1414	BF465A
262-1417	BF472A
262-1421	BF477AR
262-1484	BF570DC
262-1502	BF572DC
262-1507	BF504
262-1513	BF700
262-1523	BF523DC
262-1525	BF534B
262-1529	BF538BIR
262-1532	BF539BIR
262-1537	BF537
262-1548	BF722
262-1549	BF525
262-1550	BF548
262-1554	BF547
262-1555	BF645
262-1558	BF817
262-1563	BF825
262-1572	BF823
262-1576	BF838
262-1582	BF830
262-1583	BF836
262-1594	BF846CB
262-1604	BF848CB
262-1635	BF849

**PERKINS**

1850866	2B0027
18508660	2B0027
185086600	2B0027
U5MK8261	2B0027
U85086770	2B0027
U85086771	2B0027

**PETERBILT**

05-15834	SAP24146
10-02498	BF72358
144455	SAP24008
144728	SAP24146
480827G	530P00102
665617	BF78128
B71-1002	BF99002
D5000-2200	SAP-S4640070040
S432-413-024-0	SAP-R955300
S432-471-101-0	4324711010
S4324711010XRMAN	4324711010
S975-303-473-0	SAP9753034730

**COMPETITOR No PART No**

**PHILLIPS**

11-340	SAP953HD
11-5150	SAP952HD
12-010	SAP450L
12-136	SAP12-136
12-138	SAP12-138
12600	SAP-BE12600
15-326	SAP-BE23201
15-336	SAP-BE23202
19-4715	SAP421113
30-2151	SAP451097
30-2171	SAP421114
30-4621	SAP-BE27071

**PIC**

141-472	2D0026
180-300F	1E00001
220-347	1B0002
250-100	1F0003DP

**POLLAK**

082S2705383	530P00041
12-800	SAP-BE23201
12-801	SAP-BE23202

**PRECISION**

315G	BL315G
316	BL316
317	BL317
329	BL329
330	BL330
331	BL331
333	BL333
334	BL334
338	BL338
340	BL340
341	BL341
344	BL344
348	BL348
351	BL351
353	BL353
354	BL354
355	BL355
356	BL356
358	BL358
361	BL361
365	BL365
369	BL369
371	BL371
376	BL376
377	BL377
381	BL381
383	BL383
386	BL386
387	BL387
389	BL389
390	BL390
391	BL391
393	BL393
395	BL395
398	BL398

COMPETITOR No	PART No
<b>PRECISION</b>	
433	BL433
437G	BL437G
446	BL446
448	BL448
460	BL-SPL90
462	BL462
475	BL475
476	BL476
477	BL477
478	BL478
480	BL480
492	BL492
507	BL507
534G	BL534G
570	BL7100
860	BL860
861	BL861
927	BL7100
951	BL951
964	BL964

COMPETITOR No	PART No
<b>PRECISION</b>	
875	BL475

COMPETITOR No	PART No
<b>PRESTOLITE</b>	
205000212	2E0001
20513016	2B0027
35259620	2D0011
35262480	2E0001
8LHA2070VF	1D0067
8LHA3071P	1D0024
AV1143J2001	1D0067
AV1143J2002	1D0027
AV1160J2004	1D0027
BLP2310GH	1D0065
BLP2362GH	1D0065
MDA3946	1D0057
MS2-503	2D0004
MS2-503	2D000711

COMPETITOR No	PART No
<b>PROFIT</b>	
2302-0594	SE5321LR
2302-0595	SE5321LR

COMPETITOR No	PART No
<b>PROLINE</b>	
PL-1150	SAP-R801074
PL-340-4975	SAP-HC124975

COMPETITOR No	PART No
<b>RANGER</b>	
RB1133	SAP-AS1133
RB5155X	BL358
RBR801041	SAP-R801041
RBR801074	SAP-R801074

COMPETITOR No	PART No
<b>RCP</b>	
AL-68053	1B0002
AL-7078	1F0003DP
ST-27500	2E0001

COMPETITOR No	PART No
<b>REMY</b>	
10459037	1D0067
10459111	1D0067
10459135	1D0067
10459212	1D0067
10459289	1D0065
10459555	1D0067
1117923	1D0067
1117929	1D0067
1117932	1D0067
1117941	1D0067
1117943	1D0067
1117947	1D0067
1117949	1D0067
1117951	1D0067
1117957	1D0067
1117958	1D0067
1117959	1D0067
1117962	1D0067
1117963	1D0067
1117966	1D0067
19010115	1D0067
19010116	1D0067
19010120	1D0067
19010124	1D0067
19010134	1D0067
19010137	1D0067
19010145	1D0067
19010153	1D0067
19010155	1D0067
19010161	1D0067
19090007	1D0065
30007VL	1D0065
8600223	1D0027
8600312	1D0027

COMPETITOR No	PART No
<b>RENAULT</b>	
4821632610	SAP50021J
50000809504	SAP106309
5000243947	SAP9753034730
5000464197	SAP9753034730
5000819893	SAP9753034730
5001826800	SAP78964
5001830112	SAP106309
5001864363	SAP-BPD1708
5001865404	SAP432901
7700051785	SAP9753034730

COMPETITOR No	PART No
<b>REYCO</b>	
54248-018	SAP3687

COMPETITOR No	PART No
<b>RITEC</b>	
49800004000	SAP9753034730

COMPETITOR No	PART No
<b>RIW</b>	
MI2040	SE7831LR
MI2041	SE7831LR

COMPETITOR No	PART No
<b>ROAD CHOICE</b>	
EV01440	530P00040

COMPETITOR No	PART No
<b>ROCKWELL</b>	
240R01-002	SAP2005
<b>ROTA</b>	
2037432	BF75323
2039949	BF75323
2109726	SE7831LR
2109727	SE7831LR

COMPETITOR No	PART No
<b>RTS</b>	
91-09768-1	SE7831LR
91-09768-2	SE7831LR

COMPETITOR No	PART No
<b>S-TR</b>	
STR-140304	BF901808884
STR-140308	BF901808802

COMPETITOR No	PART No
<b>SACHS</b>	
20 3488 200 195	SAP108925-25B9
315 390	BF99918
315 395	BF99425
315 550	BF99417
315 623	BF99918
315417	BF99931
315424	BF99067
315547	BF99924
316 310	BF99417
316309	BF99901
316829	BF78189
3488 000 063	SAP108925-82B9
3488 000 197	SAP108050-59
3488 200 194	SAP108391-74B9
410 026	BF99918
410 032	BF99002
410 056	BF99000
510 017	BF99000

COMPETITOR No	PART No
<b>SAF HOLLAND</b>	
57365435	BF99901
KP-T809F	SAP-E700L
KPT809F	SAP-E700L

COMPETITOR No	PART No
<b>SAGINAW</b>	
3815984	BF7841933

COMPETITOR No	PART No
<b>SAIS BURGESS</b>	
85920013	530P00049
SAA 85920038	SAP2036A

COMPETITOR No	PART No
<b>SANDO</b>	
2010106.0	1D0027
SSP63102.0	BF901808802
SSP63102.1	BF901808802
SSP63104.1	BF901808884

COMPETITOR No	PART No
<b>SAP USA - SUPERSEDED</b>	
BL88510ACS	BL210121-1X
SAP1020070	SAP1030035
SAP1122078	SAP2010038
SAP1162094	SAP2010077
SAP226135	SAP-FF3838
SAP226293	SAP-FS3838

COMPETITOR No	PART No
<b>SAP USA - SUPERSEDED</b>	
SAP286965L	SAP288282L
SAP30243L	SAP30242L
SAP4311	SAP4311E
SAP44041L	SAP283411L
SAP44051L	SAP288282L
SAP44071L	SAP288282L
SAP46304	SAP46300
SAP47001L	SAP278323L
SAP4707	SAP4707Q
SAP47692	SAP47691
SAP48031L	SAP278302L

COMPETITOR No	PART No
<b>SBS</b>	
19065031411	SE5321LR

COMPETITOR No	PART No
<b>SCANIA</b>	
1314047	SAP3514511
1381813	SAP78964
1932680	SAP4324101520
2090402	SAP9753034730

COMPETITOR No	PART No
<b>SCOTSEAL CLASSIC</b>	
35066	SAP35058
35066	SAP370001A
38780	SAP370023A
39988	SAP370033A
40136	SAP370036A
42623	SAP370065A
42623	SAP376590A
42672	SAP370031A
43764	SAP370048A
43860	SAP370019A
45099	SAP370022A
45160	SAP370021A
46305	SAP370025A
46305	SAP46305
47697	SAP370003A
47697	SAP47691
47697	SAP47697
47699	SAP370006A
48000	SAP370005A
52658	SAP370069A
W/456301	SAP370033A

COMPETITOR No	PART No
<b>SCOTSEAL LONG LIFE</b>	
35103	SAP370001A
42631	SAP370065A
42631	SAP376590A
46308	SAP370025A
46308	SAP46305
47693	SAP370003A
47693	SAP47697

COMPETITOR No	PART No
<b>SCOTSEAL PLUS XL</b>	
35058	SAP370001A
38776	SAP370023A
39979	SAP370033A
40129	SAP370036A
42627	SAP370065A
42627	SAP376590A

COMPETITOR No	PART No
<b>SCOTSEAL PLUS XL</b>	
42673	SAP370031A
43761	SAP370048A
45093	SAP370022A
45157	SAP370021A
46300	SAP370025A
46300	SAP46305
47691	SAP370003A
47692	SAP370003A
47692	SAP47697
48002	SAP370005A
W/456301	SAP370033A

COMPETITOR No	PART No
<b>SEALCO</b>	
1000-5A	SAP-A10005A
110170	SAP110170
110171	SAP110171
1102200	SAP11200R
110500	SAP110500
110700	SAP110700
A1000S	SAP1000R

COMPETITOR No	PART No
<b>SEDDON ATKINSON</b>	
3345190R91	SAP9753034730

COMPETITOR No	PART No
<b>SEIRE</b>	
SFE-052	SAP1052S

COMPETITOR No	PART No
<b>SHEPPARD</b>	
5541421A	71004270
5544861	71004162
5544881	71004187
5545531	71004296
5545561	71004277

COMPETITOR No	PART No
<b>SIRCO</b>	
700	SAP-E700L
9249	SAP-HC114249
A-7219	SAP50070L
A-7220	SAP50060L
L1308ORF3	SAP13080
L1443E	SAP1443E
SA10100	SAP10140
SA2170	SAP65170A
SA2172	SAP65172A
SA2175	SAP65176A

COMPETITOR No	PART No
<b>SKF</b>	
1282	SAP-HC124975
1612	SAP-HC114024
1643	SAP-HC114009
1696	SAP-HC114195
1703	SAP-HC114249
26762	SAP127592
29528	SAP127591
30008	SAP100495
32500	SAP100494
32503	SAP100557
35066	SAP35066
38776	SAP38780
SET422P	SET422SAP

COMPETITOR No	PART No
<b>SKF</b>	
W/455301	SAP370033A

COMPETITOR No	PART No
<b>SLOAN</b>	
401142	SAP275491
401143	SAP229859
421113	SAP421113
441017	SAP450L
451039N	SAP953HD
8012	TYPE12L
8016	TYPE16L
8036	TYPE36L

COMPETITOR No	PART No
<b>SPECTRA</b>	
SP1013MP	SAP-G52610
SP1130	SAP-P4070

COMPETITOR No	PART No
<b>SPICER</b>	
1-124	TYPE16L
10094142	BL5003323
101KK111	BF1108
113C49	SAP113C49
113C52	SAP125327
113C70	SAP113C70
125215	SAP128215D
125216	SAP128216D
125300	SAP125300
125489	SAP125489
127200	SAP127200H
127740	SAP127740H
128229	SAP128229D
128230	SAP128230D
128257	SAP128257D
128258	SAP128258D
128304	SAP128304D
128305	SAP128305D
128312	SAP128312D
128313	SAP128313D
128342	SAP128342D
128362	SAP128362D
128363	SAP128363D
128462	SAP128462D
128519	SAP128215D
128520	SAP128216D
128521	SAP128229D
128522	SAP128230D
128539	SAP128539D
128540	SAP128540D
128569	SAP128569D
128570	SAP128570D
128578	SAP128578D
128579	SAP128579D
128667	SAP128578D
128667	SAP128667D
128668	SAP128579D
128668	SAP128668D
140KK100	BF853
208925-25	SAP108925-25B9
210084-2X	BL88509ACS
210088-1X	BL88107ACS
210121-1X	BL210121-1X

COMPETITOR No	PART No
<b>SPICER</b>	
210391-1X	BL88508ACS
210661-1X	BL88512ACS
2621569	BF829
2621641	BF852
274C28	SAP274C28
274C6	SAP274C6
328348	BF867
401-1006	ES142LR
401-1007	ES142LR
401-1059	ES373LR
401-1060	ES373LR
401-1091	ES411LR
401-1092	ES411LR
401-1099	ES423LR
401-1100	ES423LR
401-1115	ES431LR
401-1116	ES431LR
401-1212	ES2061-62LR
401-1213	ES2061-62LR
401-1217	ES2069-70LR
401-1218	ES2069-70LR
401-1226	ES2090-91LR
401-1227	ES2090-91LR
401-1701	ES3476-77LR
401-1702	ES3476-77LR
401-1756	ES3274-75LR
401-1757	ES3274-75LR
405-1045	ES3030-31LR
405-1046	ES3030-31LR
4515X3	SAP4515E
48-2201	SAP-E700L
5-101X	BL340
5-101X	BL341
5-102X	BL340
5-103X	BL338
5-12100X	BL12100
5-12213X	BL12213
5-12276X	BL12276
5-1306-1X	BL317
5-1306X	BL315G
5-1309X	BL316
5-1310X	BL329
5-1310X	BL369
5-1330X	BL354
5-134X	BL353
5-1350X	BL331
5-1501X	BL391
5-1503X	BL398
5-1505X	BL393
5-1508X	BL390
5-1510X	BL387
5-1511X	BL389
5-1513X	BL386
5-1515X	BL383
5-1516X	BL399
5-153X	BL329
5-153X	BL369
5-155X	BL358
5-160X	BL330
5-170X	BL338

COMPETITOR No	PART No
<b>SPICER</b>	
5-178X	BL331
5-188X	BL351
5-2002X	BL951
5-2011X	BL507
5-212X	BL355
5-213X	BL354
5-213X	BL433
5-243X	BL964
5-248X	BL361
5-260X	BL356
5-260X	BL365
5-279X	BL333
5-280X	BL334
5-281X	BL381
5-297X	BL371
5-297X-1	BL377
5-3147X	BL534G
5-324X	BL480
5-407X	BL376
5-443X	BL437G
5-460X	BL448
5-462X	BL330
5-469X	BL477
5-481X	BL330
5-4X	BL344
5-510X	BL478
5-515X	BL476
5-648X	BL348
5-674X	BL475
5-675X	BL476
5-676X	BL478
5-677X	BL477
5-70-28X	BLL475
5-7000X	BL7100
5-7105X	BL7100
5-760X	BL371
5-795X	BL492
5-811X	BL316
5-92X	BL860
5-92X	BL861
5003323	BL5003323
5003323	BL88512ACS
6.5-70-18X	BLL476
6570-18X	BLL476
811525	BF846CB
902010T-X	BL88107A
90347KT-X	BL90347KT-X
CP20RPLS	BL-CP20RPLS
CP25RPLS	BL-CP25RPLS
DS1179	BF72358
DS1186	BF72372
DS1220	BF72440
DS1280	BF72560
DS7584	BF75168
DS979	BF71958
DS993	BF71986
KCB121	BL210121-1X
KPK1109	BF1107
KPK1120	BF848CB
KPK1148	BF842

The numbers used for cross reference and the photos provided are for informational purposes only. All brands and references listed in the catalog belong to the respective companies.

COMPETITOR No	PART No
<b>SPICER</b>	
N2015LR	BF-N2015LR
SP692041	ES187LR
SP692042	ES187LR
SP692158	ES346LR
SP692159	ES346LR
SP692437	ES2035-36LR
SP692438	ES2035-36LR
SP721583	BF71958
SP724126	BF71986
SPL100-1X	BL-SPL90
SPL140X	BL-SPL140
SPL170X	BL-CP20RPLS
SPL170X	BL-SPL170
SPL170X-3X	BL-SPL170
SPL250X	BL-SPL250
SPL250X-3X	BL-SPL250
SPL90X	BL-SPL90

COMPETITOR No	PART No
<b>SPRAGUE DEVICES</b>	
E-007-100	530P00086
E-007-101	530P00088
E-008-009	530P00083
E-008-221	530P00082
E-008-223	530P00084
E-008-224	530P00085
E-008-230	530P00087
E006109	530P00051
GS25406	530P00050

COMPETITOR No	PART No
<b>ST-TEMPLIN</b>	
05.050.1915.030	BF901808802
05.050.1915.070	BF901808884

COMPETITOR No	PART No
<b>STELLOX</b>	
84-32708-SX	BF901808802
84-32727-SX	BF901808884
84-34164-SX	ES423LR
84-34166-SX	SE5321LR
8416409SX	BF849
87-02077-SX	ID0027
87-02084-SX	ID0065
87-02094-SX	ID0065

COMPETITOR No	PART No
<b>STEMCO</b>	
2036/1036	SAP370001A
2137/1037	SAP370048A
2702/1702	SAP370001A
307-0723	SAP42623
308-0836	SAP35058
309-0964	SAP370021A
309-0970	SAP370006A
309-0973	SAP47691
340-4009	SAP-HC114009
340-4024	SAP-HC114024
340-4195	SAP-HC114195
340-4249	SAP-HC114249
340-4975	SAP-HC124975
343-4009	SAP-HC114009
343-4024	SAP-HC114024
343-4195	SAP-HC114195

COMPETITOR No	PART No
<b>STEMCO</b>	
343-4249	SAP-HC114249
373-0123	SAP42627
373-0143	SAP46300
382-8036	SAP35066
383-0136	SAP370001A
392-9087	SAP370006A
392-9089	SAP47691
392-9099	SAP38780
392-9112	SAP370031A
392-9130	SAP370031A
429-0004	SAP127592
88114B	SAP3158X
K120I	BF849
K126W	BF838
K80R	BF873CB
K873C	BF873CB
MK21100S	SAP-R80104I
MK22100S	SAP10143
MK22103S	SAP10140
MK22106S	SAP-R801074
MK24100S	SAP65166A
MK41106S	SAP-R801042
MK42106S	SAP-R801074

COMPETITOR No	PART No
<b>STEMCO GG</b>	
307-0713	SAP370036A
307-0723	SAP370065A
307-0723	SAP376590A
307-0743	SAP370025A
307-0743	SAP46305
308-0864	SAP370048A
309-0903	SAP370022A
309-0904	SAP370031A
309-0912	SAP370023A
309-0944	SAP370021A
309-0960	SAP370005A
309-0965	SAP370019A
309-0973	SAP370003A
309-0973	SAP47697
372-7097	SAP370025A
372-7097	SAP46305
372-7098	SAP370036A
372-7099	SAP370065A
372-7099	SAP376590A
382-8023	SAP370033A
382-8036	SAP35058
382-8039	SAP370033A
382-8064	SAP370048A
382-9131	SAP47691
392-9081	SAP370005A
392-9088	SAP370021A
392-9089	SAP47691
392-9090	SAP370031A
392-9094	SAP370022A
392-9096	SAP370019A
392-9099	SAP370023A
392-9131	SAP370003A
392-9131	SAP47697

COMPETITOR No	PART No
<b>STEMCO SEAL</b>	
2009/1079	SAP370005A
2023/1023	SAP370065A
2023/1023	SAP376590A
2023/1503	SAP370065A
2023/1503	SAP376590A
2039/1011	SAP370033A
2039/1038	SAP370033A
2102/1091	SAP370023A
2102/1501	SAP370023A
2106/1111	SAP370003A
2106/1111	SAP47697
2106/1502	SAP370003A
2106/1502	SAP47697
2109/1013	SAP370036A
2109/1507	SAP370036A
2110/1048	SAP46305
2110/1504	SAP370025A
2110/1504	SAP46305
2113/1094	SAP370021A
2113/1517	SAP370021A
2114/1508	SAP370019A
2129/1093	SAP370022A
2129/1511	SAP370022A
2132/1515	SAP370031A
2701/1701	SAP370025A
2701/1701	SAP46305
2703/1703	SAP370003A
2703/1703	SAP47697
2704/1704	SAP370036A
2705/1705	SAP370065A
2705/1705	SAP376590A
2706/1706	SAP370022A
2707/1707	SAP370023A
2711/1711	SAP370048A
2712/1712	SAP370021A
2713/1713	SAP370019A
2717/1761	SAP370005A
2718/1705	SAP370031A
3127/1037	SAP370048A

COMPETITOR No	PART No
<b>STEMCO VOYAGER</b>	
373-0113	SAP370036A
373-0123	SAP370065A
373-0123	SAP376590A
373-0143	SAP370025A
373-0143	SAP46305
383-0136	SAP35058
383-0139	SAP370033A
383-0164	SAP370048A
393-0103	SAP370022A
393-0104	SAP370031A
393-0112	SAP370023A
393-0148	SAP370069A
393-0173	SAP370003A
393-0173	SAP47691
393-0173	SAP47697

COMPETITOR No	PART No
<b>STEWART WARNER</b>	
114248	GAM-F674I
114248	GAM-F694I

COMPETITOR No	PART No
<b>STEWART WARNER</b>	
114876	GAM-G3100
114891	GAM-TP9300
114892	GAM-TP9810
279A	GAM-TP9100
279C	GAM-TP9200
280EC	GAM-T2510
284A	GAM-U610I
284A	GAM-V653I
284AA	GAM-U650I
284H	GAM-V6331WOL
284L	GAM-P615I
284P	GAM6010025
82306	GAM-H614I
82306	GAM-H693I
82329	GAM-P632I
82394-144	GAM-H631I
82394-72	GAM-H670I
8264I	GAM911014
82690	GAM-T652I
83502	GAM-L8500
86002	GAM-L8300
990K	SAP2033S
990M	SAP2005A
990P	SAP2005B
990R	SAP2036A
990S	SAP2048

COMPETITOR No	PART No
<b>STEYR</b>	
79100360002	SAP9753034730
79100360070	SAP9753034730
99100360002	SAP9753034730

COMPETITOR No	PART No
<b>STILL</b>	
524509	1B0002

COMPETITOR No	PART No
<b>SUNWIN</b>	
SWB563050199	SAP4324101520

COMPETITOR No	PART No
<b>SWAG</b>	
13 94 3345	SE5321LR
40 71 0016	SE5321LR
80 94 1311	SE7831LR
80 94 1312	SE7831LR
80 94 1322	SE7831LR
80 94 1323	SE7831LR
81 94 3186	SE2361LR

COMPETITOR No	PART No
<b>TAYLOR DIESEL</b>	
104-102	SAP2004
104-106	SAP2010
104-112	SAP2036M

COMPETITOR No	PART No
<b>TECTRAN</b>	
14037	SAP28617I

COMPETITOR No	PART No
<b>TELEFLEX</b>	
1507678	SAP2005

COMPETITOR No	PART No
<b>TENACITY</b>	
ATEDA1017	SE3181LR

COMPETITOR No	PART No
<b>TENACITY</b>	
ATEDA1018	SE3181LR
ATEIS1020	SE5321LR
ATEMA1012	SE1341LR
ATEMI1034	SE7831LR
ATEMI1035	SE7831LR

COMPETITOR No	PART No
<b>TENNANT</b>	
768593	SAP2047G

COMPETITOR No	PART No
<b>TEREX</b>	
32409540	SAP9753034730

COMPETITOR No	PART No
<b>THERMO KING</b>	
1189A70G01	SAP2010
1189A70G02	SAP2004
1189A70G03	SAP2005
44-5674	2J0004
45-1229	2J0004

COMPETITOR No	PART No
<b>THERMO-KING</b>	
1189A70G04	SAP2002
40-223	40223N
417059	40223N
45-1229	2J0004

COMPETITOR No	PART No
<b>THOMAS</b>	
86480469	SAP04341

COMPETITOR No	PART No
<b>TIMKEN</b>	
HB88107B	BL88107A
HB88107B	BL88107ACS
SET123	SET123SAP
SET401	SET401SAP
SET403	SET403SAP
SET406	SET406SAP
SET407	SET407SAP
SET408	SET408SAP
SET409	SET409SAP
SET411	SET411SAP
SET413	SET413SAP
SET414	SET414SAP
SET415	SET415SAP
SET424	SET424SAP
SET426	SET426SAP
T182	BFB-T182
T1822S	BFB-T1822S
T182S	BFB-T182S
T188S	BFB-T188S

COMPETITOR No	PART No
<b>TOYOTA</b>	
04431-25010	BF1125
04431-36020	BF420
04431-36030	BF1136
44310-35610	BF4431035610
44320-60220	BF4432060220
44320-87304	BF921087304
45046-29085	SE2361LR
45046-36010	SE2361LR
45046-39035	SE2361LR

COMPETITOR No	PART No
<b>TOYOTA</b>	
45046-39037	SE2361LR
45046-39095	SE2361LR
45046-39416	SE-T231LR
45046-39455	SE1710LR
45046-39795	SE2205LR
45047-29035	SE2361LR
45047-39025	SE2361LR
45047-39027	SE2361LR
45047-39065	SE2361LR
45047-39256	SE-T231LR
45047-39285	SE1710LR
45047-39515	SE2205LR

COMPETITOR No	PART No
<b>TRAMEC</b>	
36101	SAP452L
36201	SAP451L
36301	SAP450L

COMPETITOR No	PART No
<b>TRAMEC SLOAN</b>	
401154	530P00035
441009	SAP12-138
441023	SAP12-136
451097	SAP451097
451119	SAP451119
451120	SAP451120
6009	70377

COMPETITOR No	PART No
<b>TRANSTEC</b>	
8101	71004252
8102	71004253
8103	71004254
8310	71004263
86H017	49402023
8800	15598800
8823	71004270
8824	71004271
8830	71004275
8831	71004276
8834	71004162
8835	71004277
8844	71004285
8867	71004187
8868	71004188
8869	71004290
8898	71004296
8899	71004297
B60378	71000175

COMPETITOR No	PART No
<b>TRAYER</b>	
TK270	BF420
TK296	BF420B
TK337	BF469
TK364	BF450A
TK378	BF505
TK386	BF478B
TK388	BF478C
TK390	BF420C
TK404	BF421
TK411	BF469A
TK412	BF470

COMPETITOR No	PART No
<b>TRAYER</b>	
TK413	BF466
TK417	BF472A
TK482	BF504
TK491	BF517
TK497	BF477AR
TK510	BF465A
TK513	BF700
TK520	BF570DC
TK523	BF523DC
TK525	BF534B
TK526	BF572DC
TK537	BF537
TK538	BF547
TK539	BF548
TK541B	BF722
TK542	BF525
TK544	BF538BIR
TK545	BF539BIR
TK546	BF645
TK549	BF817
TK551	BF823
TK553	BF825
TK558	BF830
TK566	BF834
TK568	BF836
TK602	BF846CB
TK604	BF848CB
TK609	BF841
TK610	BF842
TK613	BF477AR
TK635	BF849
TK641	BF852
TK642	BF858
TK663	BF826CB
TK715	BF873CB
TK717	BF868
TK718	BF867
TK750	BF1107

COMPETITOR No	PART No
<b>TRIANGLE</b>	
8382	BF-U978ISA

COMPETITOR No	PART No
<b>TRICO</b>	
F91498495	530P00036
F916251015	530P00038
F98999228	530P00037

COMPETITOR No	PART No
<b>TRP</b>	
AC1001	SAP106309
AC2001	SAP107794
AC3001	SAP65624
BWSET401	SET401SAP
BWSET403	SET403SAP
BWSET406	SET406SAP
BWSET408	SET408SAP
BWSET411	SET411SAP
BWSET413	SET413SAP
BWSET414	SET414SAP
BWSET415	SET415SAP
DLP1539B	BF72560

COMPETITOR No	PART No
<b>TRP</b>	
TE11987	ES3476-77LR
TE11988	ES3476-77LR
TL10400	530P00099
TL10550	530P00098
TL10850	530P00100
TL2172	530P00095
TL2173	530P00096
TL35250	530P00097
TL35350	530P00101

COMPETITOR No	PART No
<b>TRUCK-LITE</b>	
915Y108	530P00094
TL910	530P00093

COMPETITOR No	PART No
<b>TRUCKTEC AUTOMOTIVE</b>	
01.37.060	BF901808802
01.37.099	BF901808884
01.37.160	BF901808802

COMPETITOR No	PART No
<b>TRW</b>	
515697	BL210121-1X
ES142L	ES142LR
ES142R	ES142LR
ES187L	ES187LR
ES187R	ES187LR
ES2035L	ES2035-36LR
ES2036R	ES2035-36LR
ES2061L	ES2061-62LR
ES2062R	ES2061-62LR
ES2069R	ES2069-70LR
ES2070L	ES2069-70LR
ES2090L	ES2090-91LR
ES2091R	ES2090-91LR
ES3030R	ES3030-31LR
ES3031L	ES3030-31LR
ES3274L	ES3274-75LR
ES3275R	ES3274-75LR
ES3297R	ES3297-98LR
ES3298L	ES3297-98LR
ES3476R	ES3476-77LR
ES3477L	ES3476-77LR
ES373L	ES373LR
ES373R	ES373LR
ES411L	ES411LR
ES411R	ES411LR
ES423L	ES423LR
ES423R	ES423LR
ES431L	ES431LR
ES431R	ES431LR
ES653L	ES653LR
ES653R	ES653LR
ES844L	ES844LR
ES844R	ES844LR
EV181618L	BF901816181
EV181618L101	BF901816181
EV221615L101	BF901416151
HFB640001	71004263
JTE418	SE5321LR
JTE612	SE5171LR
JTE613	SE5171LR

COMPETITOR No	PART No
<b>TRW</b>	
JTE667	SE2361LR
JTE668	SE2361LR
JTE848	SE5321LR
K532B	BF570DC
K536B	BF492A
K559B	BF825
K591	BF846CB
K592	BF1108
K595	BF861CS
K610	BF842
K617	BF846CB
KB873CB	BF873CB
L20VU8009B11	BF71958
L20VU8009A11	BF71958
L24VT803511	BF77022
L24VT8565B11	BF71986
L24VU7038A11	BF72440
L24VU7050B11	BF72358
L24VU7061A12	BF72372
L24VU7116A11	BF72552
L24VU8000G11	BF72358
L24VU8008A11	BF72372
L24VU8008B11	BF72372
L24VU8008C11	BF72372
L24VU8036A11	BF72560
L24VU8119A11	BF79238
L24VU8119B11	BF79238
L24VU8445A11	BF75168
L28VT5311A12	BF71986
PEV181618L10101	BF901816181
PEV221618R101	BF901822162
PS221615L103	BF901516153
PS251615L102	BF901516151
PS3224-15R103	BF901532242
TAS000002	71004188
TAS000003	49402023
TAS400004	71004253
TAS650012	71004252
TAS650015	71004252
TAS850005	71004254
TE4255	BF-N2015LR
THP600001	71004290

<b>UCF</b>	
SKB-715	BF873CB

<b>UD TRUCKS</b>	
47540D8929	SAP9753034730

<b>UNIPOINT</b>	
ALTV021	1J0001A

<b>USMW</b>	
US0060P	70131
US0063	21098
US0066	73716
US0069NX	70661
US16018	78009
US2001	70001
US2004	70004

COMPETITOR No	PART No
<b>USMW</b>	
US2020	70020
US2032	70032
US2041	70020
US2041NP	70041
US2042	70042
US2043	70043
US2047	70047
US2129	70129
US2130	70130
US2203	70091
US2636	70130
US3710	73710
US3712	73712
US3713	23713
US3803605	70090
US4062	42062
US4089908	70151
US4089910	70152
US4109	32109
US4114	72114
US6008	78008
US60P	70131
US6222	23222
US63	21098
US66	73716
US69NX	70661
US70	70376
US71	70377
US7123H	23145
US7145	23145
US7145HN	23145
US7145N	23145
US74	70353
US740H	70047
US8930	93065
US8969	90042
US93	70153
US9302	36302

<b>VALEO</b>	
436591	1B0002
455516	2B0002
455911	2J0030
506437	93047
558444	1B0002
D7R43	2B0012

<b>VCC</b>	
T1001838L	530P00040
T77421A2C	530P00039
VCC T1001838L	530P00040

<b>VDO</b>	
150-037-013	GAM6010025
150037014C	GAM-P6321
180037011GM	GAM-H6701
180037013C	GAM-H6311
190-037-002G	GAM-U6101
225-0283 CAT	GAM-T6521
226002	GAM-G3100

COMPETITOR No	PART No
<b>VDO</b>	
310 909	GAM-H6931
310 910	GAM-H6141
323-808-002-003D	GAM-TH2200
332-030-001G	GAM-V6331WOL
332-040-001G	GAM-V6531
333-035-010G	GAM911014
360-081-029-004C	GAM-TP9100
360-081-029-012C	GAM-TP9200
360-081-030-010C	GAM-TP9300
360-081-030-015C	GAM-TP9810
62512452	GAM-L8300
A2C3832990010	GAM250014
A2C3833030001	GAM-T041014
A2C3833070025	GAM-U6501
A2C5218491780	GAM-T2510
A2C59510876-S	GAM-L8500
A2C59512545	GAM-V6331WL
A2C59514091	GAM-F6941
A2C59514092	GAM-F6741
A2C59514117	GAM-P6151
A2C59514117	GAM-P6351

<b>VEETHREE</b>	
16323	GAM-G3100
220.945C	GAM-V6331WL
220.945C	GAM-V6331WOL
26.01.01.02	GAM130001
260938	GAM-F6741
27.01.01.02	GAM1300034
300.464C	GAM-H6701
300.465C	GAM6010025
300.478C	GAM-U6101
300.481C	GAM-P6151
300.481C	GAM-P6351
300.483C	GAM-H6141
300.483C	GAM-H6931
300.693C	GAM-H6311
300.707C	GAM-U6501
300.820C	GAM-V6531
300.824C	GAM-H6511
300.824C	GAM-H6711
300.827C	GAM-T6521
300.836C	GAM-P6321
300.838C	GAM-F6941
400.762C	GAM911014
400156	GAM-TP9200
400501	GAM-TH2200
40901	GAM-L8300
4N3700	GAM-L8500
59158	GAM130003
59167	GAM130004
V19452	GAM-TP9810
V22 56 5B	GAM250014
V22552	GAM-T041014

<b>VELVAC</b>	
022001	SAP953HD
030075	SAP205105
031023	TYPE12L
031025	TYPE16L

COMPETITOR No	PART No
<b>VELVAC</b>	
031027	TYPE20L
031035	TYPE36L
032015	SAP229859
032018	SAP229860
032037	SAP229635
034019	SAP287238
034020	SAP279180
034024	SAP286370
034025	SAPI02626
034026	SAPI03009
034027	SAPI03010
034029	SAP281865
034030	SAP286364
034039	SAP286171
034041	SAP279416
034042	SAP228750
034048	SAP107794
034056	SAP-KN28500
034058	SAP-KN28520
034059	SAP-KN28060
034064	SAP-KN27000
034066	SAPI000R
034068	SAP279000
034088	SAP04341
034112	SAP90054007
035038	SAP450L
036036	SAP228600
22001	SAP953HD
30075	SAP205105
31023	TYPE12L
31025	TYPE16L
31027	TYPE20L
31035	TYPE36L
320001	SAP-KN23000
320014	SAP-KN23010
320051	SAP68230
32015	SAP229859
32018	SAP229860
32037	SAP229635
32404	SAP-A6913
32405	SAP-A6915
32406	SAP-A6918
34019	SAP287238
34020	SAP279180
34024	SAP286370
34025	SAPI02626
34026	SAPI03009
34027	SAPI03010
34029	SAP-KN30400
34029	SAP281865
34030	SAP286364
34039	SAP286171
34041	SAP279416
34042	SAP228750
34048	SAP107794
34056	SAP-KN28500
34058	SAP-KN28520
34059	SAP-KN28060
34064	SAP-KN27000
34066	SAP-A10005A

COMPETITOR No	PART No
<b>VELVAC</b>	
34066	SAP1000R
34068	SAP279000
34088	SAP04341
34101	SAP-S4640070040
34112	SAP90054007
35038	SAP450L
36036	SAP228600

<b>VEMA</b>	
22155	SE2361LR

<b>VOLKSWAGEN</b>	
2TA607349	SAP4324101520
2TA607413	SAP106309
T06415711	ES653LR
T06415712	ES653LR

<b>VOLVO</b>	
1001348	SAP279180
1091467	SAP127200H
1092928	SAP102626
1092945	SAP286370
1093794	SAP65225BKT
1093794	SAP65225D
1113342	SAP279180
1113975	SAP74052
1113976	SAP74068
1114042	SAP275175
1116159	SAP370023A
1117787	SAP3600A
1118651	BLL476
1119958	SAP74044
11603-003	SAP2010
11704405	SAP278323L
1183403	SAP4324101520
140K2133M2	BF99002
140K3107M	BF99061
1505324	SAP288540L
1505325	SAP288539L
16-14318-000	KD2205
1651032	BL1651032
1651229	BL1651229
1690499	SAP286370
1MR2455P2	SAP74064
20424148	SAP78964
20428193	SAP-BRM-44D76690HD
20431135	70008
20458737	SAP97505
20480785	BF901416154
20513881	BF99061
20527307	SAP-R801073
20546795	SAP78964
20851006	2D0042
20851008	2D0042
21001781	2D0042
21436086	BF99061
21508269	SAP20006
21575071	SAP-BRM-44D76690HD
22203109	SAP9125129352

COMPETITOR No	PART No
<b>VOLVO</b>	
25C259B	SAP450L
25QD419P2	SAP-R801073
27073109	SAP370065A
27074117	SAP370065A
27075348	SAP46300
27076252	SAP370065A
27076264	SAP370065A
3036548	SAP14120L
3036549	SAP14120L
3082374	BF901520675
3083136	SAP2033A
3092710	SAP-BRM44D76691HD
3093683	SAP106309
3095546	SAP800629
3132497	SAP127592
3172172	530P00095
3172173	530P00096
3188710	KD2205
3199965	BF99471
337053	SAP450L
376989	SAP450L
38401-3250	BF5420248100
38401-3252	BF901567502
38401-3261	BF5420172100
38401-3458	BF5420176100
384013261	BF5420172100
3915214	SAP100557
3915214	SAP127591
3918033	SAP-BE23703
3918392	SAP065146
3918970	SAP370005A
3919933	BF99002
3919968	BF99471
3936347	BF5420248100
3936348	BF901567502
3936349	BF5420172100
3936350	BF901520675
3945661	2D0004
3946061	SAP3141X
3947697	BL-SPL170
3947698	BL-SPL250
3969352	SAP131081
3972312	SAP3807X
3972717	SAP-A6909
3972720	SAP-A6915
3972721	SAP-A6918
3988838	SAP-BRM44D76691HD
4822431	SAP11430H
4BL0412	SAP370036A
52341Q	KD2205
544544	SAP370036A
544692	SAP370036A
57713-0003	SAP2033B
6209190	2B0002
655530	SAP229635
6789355	SAP9753034730
6996123	SAP3514511
701256	SAP-BE23784
729010009	SAP289714
764010016	SAP278302L

COMPETITOR No	PART No
<b>VOLVO</b>	
782090002	SAP245124
791015006	SAP286370
7QH337P2	ES187LR
8029939	SAP2033V
8060885	SAP370001A
8064515	SAP065146
8071947	SAP3600A
8076534	SAP3233V
8086541	BF901508216
8096002	SAP245124
8127182	BL-SPL250
8127230	BL-SPL170
83176191	BF78117
83176192	BF78189
838355	SAP370065A
841797A	SAP278302L
85101151	BF-U9781SA
85102559	SAP229859
85103803	SAP-BRM-44D76690HD
85106580	BF99918
85107095	BF99009
85108338	BF1107
85108790	SAP100494
85110496	SAP-BRM-44D76690HD
85110609	BL5003323
85124897	2D0042
8551042	SAP-BRM44D76691HD
857616	SAP450L
858381	SAP-HC114024
91001-0065	SAP3141X
94001006	SAP46300
G688061	SAP370005A
R201310	BF836
R230071	ES431LR
R230092	ES3030-31LR
S9753034730	SAP9753034730
SA5918	BF99918
TDAS4324130240	SAP-R955300
TDAS4324711010	4324711010
TDAS4324711010X	4324711010
TDAS4613150080	SAP3514511
TDAS4613320000	SAP286171
TDAS4721700020	4721700020
WAB4324130240	SAP-R955300
WAB4324711010	4324711010
WAB4324711010R	4324711010
WAB4613150080	SAP3514511
WAB4613320000	SAP286171
WAB4753150000	SAP275491
WAB9753034730	SAP9753034730
WABRKN20021	SAP275175
WABRKN28140	SAP279180
WABRKN32005	SAP229859

<b>VSM</b>	
900HD	530P00093
900Y150	530P00098
900Y96	530P00099
915Y103	530P00100

COMPETITOR No	PART No
<b>VSM</b>	
915Y108	530P00094
915Y703	530P00097
988172	530P00095
988173	530P00096
999282	530P00103
999827	530P00102
999839	530P00101

<b>WABCO</b>	
1138470F000	SAP8500L
12999703VT	SAP-BPD1518
12999737VT	SAP-BPD1438
4008509040	4008509040
4123520042	SAP4123520042
432 901 245 2	SAP432901
4324100000	SAP43241D
4324101520	SAP4324101520
4324210099	SAP-R955300
4324701009	4324711010
4324711010	SAP-SS1200PLP
4324711010	SAP-SS1200PL
4324711017	SAP-SS1200PLP
4324711017	SAP-SS1200PL
4329012452	SAP432901
4613074390	SAP74390F
4613150080	SAP3514511
464004000	SAP40000L
4721700020	4721700020
4730170300	SAP50021J
473501	SAP973500
4753150000	SAP275491
6300-9650011060	SAP11060F
6300-9650012080	SAP12080F
6300-9700515030	SAP97503
6300-9700515050	SAP97505
640 225 922 2	SAP-BPD1777-2
640 225 927 2	SAP-BPD1777-1
640 322 934 2	SAP-BPD2061
6629056112	SAP-BRS38765HD
911 153 510 0	SAP9111535100
911 153 520 0	SAP9111535200
911 153 530 0	SAP9111535300
911 153 607 0	SAP9111535100
911 153 607 7	SAP9111535100
911 153 920 2	SAP9111539202
911 515 920 2	SAP9115159202
911 515 923 2	SAP9115159202
9111539212	SAP9111539212
9111549292	SAP9111549292
912 142 002 0	SAP-CH-9121420020KIT
912 142 002 0	SAP9121420020
912 542 007 0	SAP9125420070
9341990070	SAP-KN23010
9343150040	SAP12105
9347022500	SAP4170P
9347023020	SAP93470P
9347023910	SAP4170P
9617210040	SAP11430H
9617230070	SAP61260H
9617230100	SAP30010H

The numbers used for cross reference and the photos provided are for informational purposes only. All brands and references listed in the catalog belong to the respective companies.

**COMPETITOR No PART No**

WABCO	
965 001 106 0	SAP11060F
965 001 208 0	SAP12080F
970 051 503 0	SAP97503
970 051 505 0	SAP97505
9700515030	9700515030
9732980040	SAP-KN28060
973500	SAP973500
CB2100842X	BL88509ACS
G201426	BF849
G201486	BF849
R95512105N	SAP12105
RKN20021	SAP275175
RKN22150	SAP286171
RKN32005	SAP229859
S4324130240	SAP-R955300
S4613320000	SAP286171
S4640070040	SAP-S4640070040
S9732880030	SAP-KN28500
S9732880040	SAP-KN28500
S9732980220	SAP-KN28500
9125129362	SAP9125129362

**COMPETITOR No PART No**

WAGNER	
278323	SAP278323L
928012	TYPE12L
928020	TYPE20L
A17462	TYPE20L
A17544	TYPE12L
A17548	TYPE36L
AC32381	SAP49010L
AC32758	SAP278305L
AX32382	SAP49000L

**COMPETITOR No PART No**

WAI	
1-1794-01FD	1F0003DP
1-1796-02FD	1F0003DP
1-1796-03FD	1F0003DP
1-1926-00FD	1F0003DP
1-1926-11FD	1F0003DP
1-2271-01HI	1J0001A
1-2711-01BO	1B0002
110-555JHO	1D0067
12689N	1J0033-100
2-2230-HI	2J0008
2-2372-DR	2D0026
20095N	1J0033-100
23993N	1J0033-100
42754	1D0024
48940	1D0024
50-9200	2E0001
6842N	2D0069
7138N	1D0027
7138R	1D0027
7197N	1D0024
8096N	1D0065
8096R	1D0065
8329N	1D0067
8329R	1D0067
8609R	1D0065
8703R	1D0027

**COMPETITOR No PART No**

WAI	
8704N	1D0027
8704R	1D0027

**COMPETITOR No PART No**

WALLACE FORGE	
2084194	SAP-E700L

**COMPETITOR No PART No**

WEBB	
61527B	SAP3721
61528B	SAP3721
65151B	SAP3758X
65152B	SAP3687
65448	SAP3800A
65541B	SAP3158X
65545B	SAP3800A
65548B	SAP3800A
65710B	SAP3710X
66853F	SAP3166X
66854B	SAP3807X
66855B	SAP3807X
66864	SAP3600A
66875B	SAP3141B
66893F	SAP3166X
66895B	SAP3141X
67518	SAP3600A
77528	SAP3721
77528B	SAP3721

**COMPETITOR No PART No**

WESTAR	
20-887	BFF30240

**COMPETITOR No PART No**

WESTERN STAR	
1019773A	SAP281865
38401-3458	BF5420176100
729013402	SAP229860
91001-3405	SAP3600A

**COMPETITOR No PART No**

WILMINK GROUP	
WG1804368	70006

**COMPETITOR No PART No**

WILSON	
70-02-7058	1F0003DP
90-02-5029N	1F0003DP
90-25-1089	1J0001A
91-17-8882	2E0001

**COMPETITOR No PART No**

WILSON HD	
90-02-5012	1F0003DP
90-15-6410	1B0002
91-01-4622	2D0026

**COMPETITOR No PART No**

WIX	
24374	SAP106309

**COMPETITOR No PART No**

WOOD AUTO	
ALTO103	1B0002
STR25012	2E0001

**COMPETITOR No PART No**

WORLD AMERICAN PARTS	
HPN-1412	SAP-HPN1412

**COMPETITOR No PART No**

WORLDWIDE	
16608	2E0001
20155	1F0003DP

**COMPETITOR No PART No**

WVA	
WVA29088	SAP-BPD1518
WVA29122	SAP-BPD1583
WVA29158	SAP-BPD1369
WVA29162	SAP-BPD1777-1
WVA29162	SAP-BPD1777-2
WVA29174	SAP-BPD1708
WVA29187	SAP-BPD1311
WVA29189	SAP-BPD1370
WVA29191	SAP-BPD2061
WVA29279	SAP-BPD2061
WVA29313	SAP-BPD1438

**COMPETITOR No PART No**

YALE	
19960488	2B0027
19960489	2B0027
50027532	2B0027

**COMPETITOR No PART No**

YAMATO	
112066YMT	SE2361LR

**COMPETITOR No PART No**

YANMAR	
11913177010	2J0008

**COMPETITOR No PART No**

YUTONG	
352900019	SAP4324101520

**COMPETITOR No PART No**

ZF	
501005567	SAP97005
7673 975 816	BF918758161
7674 955 343	BF911655343
7674 975 960	BF911575962
7683 975 905	BF910959052
7684 975 814	BF5420045100
7684 975 922	BF911059221
7685 955 184	BF7684955184
7685 955 301	BF911555301
7691 955 199	BF3406A010B
8001 496	BF901808802
8001 869	BF5420045100
8001 901	BF901808802

## LIMITED WARRANTY

SAP USA limited warranty covers defects in materials and workmanship for all its branded aftermarket parts, provided they are installed and used in accordance with the manufacturer's specifications and intended purpose. All parts are warranted for 12 months from the date of purchase or 12 months from the date of installation for all products of our exclusive brands (SAP, Bull, Buffalo, Gamma, EMG, T&J), unless otherwise specified.

### **Exclusion for Fleets, Taxis, and Public Transportation Vehicles:**

For vehicles operated as part of fleets, taxis, or public transportation, the warranty period is limited to 90 days from the date of purchase. These vehicles are subject to increased usage and operational demands, which are not covered under the standard warranty terms.

This warranty excludes coverage for normal wear and tear, accidents or abuse, improper installation, tampering, or alteration. Warranty claims must be made within the warranty period, with proof of purchase and proof of professional installation required. The defective part must be returned to the original point of purchase or an authorized SAP USA distributor for inspection.

SAP USA reserves the right to repair, replace, or refund the purchase price of any part found to be defective under this warranty.

## SPECIAL ORDER CANCELLATION POLICY

All special-order cancellations are subject to a 20% restocking fee, calculated based on the total value of the item. This fee covers administrative, and handling costs associated with preparing the order. Cancellation requests must be submitted in writing; if a written request is not provided, the customer agrees to accept and pay the full price of the special-order item and understands that a return will not be accepted.

Please note that some special-order items may not be eligible for cancellation. We recommend confirming cancellation terms with your sales representative before placing a special order. By placing a special order, customers acknowledge and agree to this cancellation policy.

# OUR EXCLUSIVE BRANDS



## BRANDS WE SUPPLY

\*Territorial Restrictions Apply





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Catalog SAP-CHDD109 (Supersedes Catalog SAP-CHDD108)