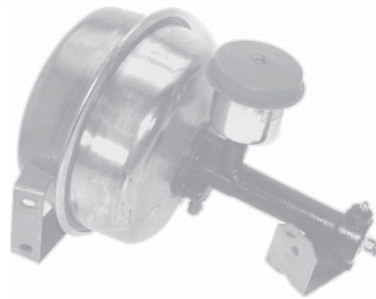
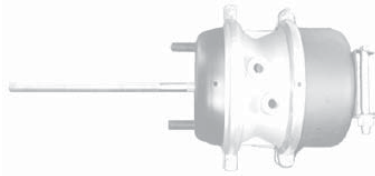


PRECISION REBUILDERS



Vacuum and Hydraulic Products

Other Catalogs Available

PWP-1010
\$20.00

PRECISION REBUILDERS

**Remanufactured
Heavy Duty
Engine Water Pumps**

PAB-2010
\$20.00

PRECISION REBUILDERS

**Remanufactured
Heavy Duty
Air Brake System Products**

P-EL0698
\$10.00

PRECISION REBUILDERS

**Remanufactured Heavy Duty
Electrical Components
Alternators • Starters • Switches**

PFC-0000
\$10.00

PRECISION REBUILDERS

**Remanufactured
Heavy Duty
Fan Clutches**

SECTION

1

APPLICATIONS

Contents

Blue Bird	1-4
Chevrolet / GMC	1-5 to 1-29
Clark.....	1-29
Dodge	1-30 to 1-39
Ford.....	1-40 to 1-58
Freightliner	1-59
International	1-60
Mack	1-61
Navistar.....	1-48 to 1-69
Plymouth	1-70
Sterling.....	1-71
Studebaker.....	1-72
Thomas Built.....	1-72

The material contained in this publication has been carefully prepared to provide the latest and most accurate reference information from the most reliable sources at hand. This book is provided for your use as a sales aid. No warranty (expressed or implied) can be made as to its accuracy or completeness and Precision Rebuilders assumes no responsibility for any damages incurred as a result of reliance on the material it contains.

Precision Rebuilders reserves the right to make changes in data at any time without notice, including, but not limited to; applications, specifications, and materials. Use of this catalog implies acceptance or the conditions of this disclaimer. Catalogs and supplements are revised and updated periodically. To obtain current catalog information, call customer service at 1-800-325-2690.

All mention of manufacturer's names, numbers, etc. are for reference purposes only. Referral to those items does in no way imply that the parts listed are the product of those manufacturers.

Other catalogs available:

Remanufactured Heavy Duty Air System Products

Heavy Duty Remanufactured Electrical Components

Remanufactured Heavy Duty Engine Water Pumps

All catalogs are available on line at:

www.precisionrebuilders.com

© Copyright 2012, Precision Rebuilders, Inc.

No part of this catalog may be reproduced, stored in a retrieval system or transmitted in any means, mechanical, electronic or otherwise without written permission of Precision Rebuilders, Inc. This includes, but is not limited to text, pictures, graphics, etc.

APPLICATION SECTION

ABBREVIATIONS KEY

ASSY-	Assembly	OPT-	Optional
BRK-	Brake	PIST-	Piston
DRW-	Dual Rear Wheels	PRK-	Parking
EXC-	Except	R / L-	Right / Left
FA-	Front Axle	RA-	Rear Axle
FC-	Forward Control	RPO-	Regular Production Option
FIU-	Field Installed Unit	S/N-	Serial Number
GVW-	Gross Vehicle Weight	SPR-	Spring
GVWR-	Gross Vehicle Weight Rating	SRW-	Single Rear Wheel
HD-	Heavy Duty	Trans.-	Transmission
HYD-	Hydraulic	W-	With
M-	Thousand Pounds	WB-	Wheel-base
MC-	Master Cylinder	W/O-	Without
MHC-	Motor Home Chassis	2WD	Two Wheel Drive
MTG-	Mount	4WD	Four Wheel Drive

BLUEBIRD

Year	Application	Part#
------	-------------	-------

BLUE BIRD BUS

2000-98	All American, TC1000 Calipers Heavy Duty- Bendix 73mm twin piston, L/R, front/rear 55850 Light Duty- Bendix 66mm twin piston, L/R, front/rear..... 55849
1997-79	Calipers Heavy Duty- Bendix 2.88" twin piston, L/R, front/rear 55250 Light Duty- Bendix 3.88" single piston, L, front 55199 Light Duty- Bendix 3.88" single piston, R, front..... 55200 Medium Duty- Bendix 2.60" twin piston, L/R, front/rear 55314
1997-92	TC-1000 Model w/Air Ride Calipers, Rear only..... 55656
2006-96	TC-2000 Model Hydromax..... 2772181 Pump & Motor 2771320 Master Cylinder (Remote Mount Reservoir) 50.80mm bore 2234929
1999-98	TC-2000 Model Light Duty- Bendix 66mm Calipers, L,R front/rear 55849 Medium Duty- Bendix 73mm Calipers, L,R front/rear 55850 or Light Duty- Bendix 66mm Calipers, L,R front/rear 55314 Medium Duty- Bendix 73mm Calipers, L,R front/rear 55250
1995-89	TC-2000 Model Hydromax..... 2770454 Pump & Motor 2771494 Master Cylinder (Remote Mount Reservoir) 50.80mm bore 2234929 Calipers Bendix 2.88" system (front & rear) 55250

CHEVROLET / GMC

Year	Application	Part#
CHEVROLET / GMC 2WD 1/2-TON TRUCKS		
2007-03	C1500 Series & Extended Cab Silverado, Sierra, Tahoe, Yukon, Escalade, Suburban	
	Hydroboost	2772905
2002-99	C1500 Light Duty, Gas Engine	
	Delco Vacuum Booster	18060777
1999-95	C1500 Series; Pickup and Suburban up to 7200 GVW w/ diesel engine & JD-5, JD-6 RPO	
	Hydroboost.....	2772402
1998-95	C1500 Series; Pickup and Suburban 95 only w/ gas engine & JB-5, JD-5 RPO	
	Delco Vacuum Booster.....	18020202
	w/ diesel engine & JD-5, JD-6 RPO	
	Hydroboost.....	2772402
1994	C1500 Series; Pickup and Suburban w/ gas engine & JB-5, JB-6 RPO	
	Delco Vacuum Booster.....	18019415
	w/ diesel engine & JD-5, JD-6 RPO	
	Hydroboost.....	2771743
1993-92	C1500 Series; Pickup & Suburban w/ gas engine & JB-5, JB-6 RPO	
	Delco Vacuum Booster.....	18013061
	C1500 Series; Pickup & Suburban w/ gas engine & JD-5, JD-6	
	Hydroboost.....	2771578
1993-87	LLV-Postal Service Van	
	Delco Vacuum Booster.....	2518661
1991-89	C1500 Series; Pickup w/ gas engine	
	Delco Vacuum Booster.....	2518644
	w/ diesel engine (91 only)	
	Hydroboost.....	2771578
	w/ diesel engine (90-89 only)	
	Hydroboost.....	2770390
1991-88	R1500 Series; Suburban w/ gas engine	
	Delco Vacuum Booster.....	2514492
	w/ diesel engine	
	Hydroboost.....	2770317
1988	C1500 Series; Pickup w/ gas engine	
	Delco Vacuum Booster.....	2518643 or
	Delco Vacuum Booster.....	2518644
	w/ diesel engine	
	Hydroboost.....	2770391

¹ Grommet design Hydroboost is not supplied with the pedal rod. See Hydroboost chart- pages 2-12 and 2-13.

CHEVROLET / GMC

Year	Application	Part#
------	-------------	-------

CHEVROLET / GMC 2WD 1/2-TON TRUCKS CONTINUED

1987-81	C10, R10, C1500, R1500 Series; Pickup & Suburban w/ JB1, JB3 RPO & gas engine Delco Vacuum Booster.....2514490 w/ JB5 RPO & gas engine Delco Vacuum Booster.....2514492 w/ JD3, JD5 RPO & diesel engine Hydroboost Second design, (87-83 only) (staked style)2770317 First design, (82-81 only) (grommet style ¹)2771117
1980-75	C10, C1500, R1500 Series; Pickup & Suburban w/ JB1, JB3 RPO (80-75) Delco Vacuum Booster.....2511488 Suburban only w/ JB5 RPO (80-79 only) Delco Vacuum Booster.....2514492 w/ diesel engine (80 only) Hydroboost.....2771119 w/ diesel engine (78-76 only) Hydroboost.....2770814

CHEVROLET / GMC 2WD 1/2-TON VANS

2012-2008	1500 Series, Express, Savanna Hydroboost.....2772821
2007-03	1500 Series, Express, Savanna Hydroboost.....2772907
2005-03	Astro/Safari Hydroboost.....2772499
2002-96	Astro Safari Hydroboost.....2772401
1995	G10, G1500 Series Van w/ JB-5 RPO Delco Vacuum Booster.....18022044
1994	G10, G1500 Series Van w/ JB-5 RPO Delco Vacuum Booster.....18021125
1993-85	G10, G15, G1500 Series Van w/ JB1 & JB3 RPO (89-85 only) Delco Vacuum Booster.....2514491 w/ JB5 RPO Delco Vacuum Booster.....2514493

¹ Grommet design Hydroboost is not supplied with the pedal rod. See Hydroboost chart- pages 2-12 and 2-13.

CHEVROLET / GMC

Year	Application	Part#
CHEVROLET / GMC 4WD 1/2-TON TRUCKS		
2007-03	K1500 Series & Extended Cab, Silverado, Sierra, Tahoe, Yukon, Escalade, Suburban Hydroboost.....	2772905
2002-00	K1500 Series, Siverado, Sierra Hydroboost	2772906
2002-99	K1500 Series Delco Vacuum Booster.....	18060777
1999-95	K1500 Series, JD5 - JD-6 Hydroboost.....	2771791
	Pickup & Suburban w/ JD-5, JD-6 RPO & diesel engine up to 7200 GVW Hydroboost.....	2772402
1997-95	K10, K1500 Series; Pickup w/ JB-5, JB-6 RPO & gas engine (95 only) Delco Vacuum Booster.....	18020202
1995-94	K10, K1500 Series Suburban w/ JB-6 RPO & gas engine Delco Vacuum Booster.....	18019415
1994	K1500 Series; Pickup, Suburban w/ JB-5, JB-6 RPO & gas engine Delco Vacuum Booster.....	18019415
	w/ JD-5, JD-6 RPO & diesel engine Hydroboost.....	2771743
1993-92	K10, K1500 Series; Pickup, Suburban w/ JB-5, JB-6 RPO & gas engine (93 only) Delco Vacuum Booster.....	18013060
	w/ JD-5, JD-6 RPO & diesel engine Hydroboost.....	2771578
1991-88	K10, K1500 Series; Pickup, Suburban w/ JB-3 RPO, gas engine & manual trans. (91-90 only) Delco Vacuum Booster.....	18021310
	w/ JB-5 RPO & gas engine Delco Vacuum Booster.....	2518644
	w/ diesel engine Hydroboost Extended Cab, 1991 only	2771578
	All other models	2770391
1991-88	V10, V1500 Series; Pickup, Suburban w/ gas engine Delco Vacuum Booster.....	2514492
	w/ diesel engine Hydroboost (staked design)	2770317

CHEVROLET / GMC

Year	Application	Part#
------	-------------	-------

CHEVROLET / GMC 4WD 1/2-TON TRUCKS CONTINUED

1987-84	K10, V10, K1500, & V1500 Series; Pickup, Suburban w/ JB5 RPO & gas engine Delco Vacuum Booster.....2514492 w/ JD5 RPO & diesel engine Hydroboost (staked style)2770317
1983-79	K10, K1500 Series; Pickup, Suburban w/ JB5 RPO & gas engine Delco Vacuum Booster.....2514492 w/ JD5 RPO & diesel engine Hydroboost..... 83-80 only, first design, (grommet style ¹) 2771117 83 only, second design, (staked style)2770317
1963	K15-25 Series Midland Hypower C468

CHEVROLET / GMC 2WD 3/4-TON TRUCKS

2012-08	2500 HD Hydroboost.....2772498 2500 Series Hydroboost.....2772820
2007-01	C 20, 2500 Series JH-5, JH-6, JH-7 Hydroboost.....2772906 Calipers, Front (7300 GVW)..... 55854 (L) 55853(R) Calipers, Front (8500 GVW)..... 55856 (L) 55855(R)
2000-95	C2500 Series; C20 Pickup, Suburban, over 8.6M GVWR w/ JB-7 RPO & gas engine (95 only) Delco Vacuum Booster.....18020203 w/ JD-7, JB-8 RPO & diesel engine Hydroboost.....2771791
1999-95	C2500 Series; C20 Pickup, w/ 7.2M GVWR w/ JB-5, JB-6 RPO & gas engine (95 only) Delco Vacuum Booster.....18029985 w/ JD-5, JD-6 RPO & diesel engine Hydroboost.....2772402
1994	C2500 Series; C20 Pickup; w/ 7.2M GVWR w/ JB-5, JB-6 RPO & gas engine Delco Vacuum Booster.....18019415 w/ JD-5, JD-6 RPO & diesel engine Hydroboost.....2771743

¹ Grommet design Hydroboost is not supplied with the pedal rod. See Hydroboost chart- pages 2-12 and 2-13.

CHEVROLET / GMC

Year	Application	Part#
CHEVROLET / GMC 2WD 3/4-TON TRUCKS CONTINUED		
1994	C20, C2500 Series; Pickup, Suburban, over 8.6M GVWR w/ JB-7 & gas engine Delco Vacuum Booster.....	18021897
1994	C20 C2500 w/ JD-7, JB-8 & diesel engine Hydroboost	2771742
1993-92	C20, C2500 Series Pickup w/ JB-5, JB-6 RPO, 7.2M GVWR Delco Vacuum Booster.....	1801306
	Pickup w/ 8.6M GVWR and Suburban, gas engine Delco Vacuum Booster.....	2518664
	Pickup w/ 8.6M GVWR and Suburban, diesel engine Hydroboost.....	2771577
1991	C2500 Series; Pickup & Suburban w/ 7.2 & 8.6M GVWR SRW w/ gas engine Delco Vacuum Booster.....	2518644
	SRW w/ 6.2[C] diesel engine Hydroboost.....	2771578
	SRW & DRW w/ 6.2[J] diesel engine Hydroboost (grommet style ¹)	2771250
1991-88	R20, R2500 Series; Crew Cab & Suburban w/ JB, JD-7 RPO w/ gas engine, exc. 454 Delco Vacuum Booster.....	2518642
	w/ diesel engine Hydroboost (staked style)	2770317
1990-88	C2500 Series; Pickup & Suburban w/ 7.2 & 8.6M GVWR SRW w/ gas engine Delco Vacuum Booster.....	2518644
	SRW w/ 6.2[C] diesel engine Hydroboost.....	2770391
	SRW & DRW w/ 6.2[J] diesel engine Hydroboost	2771250
1987-81	C20, R20, C2500, R2500 Series; Pickup & Suburban w/ JB6 RPO & gas engine Delco Vacuum Booster.....	2514492
	w/ JB7 RPO & gas engine (87-84 only) Delco Vacuum Booster.....	2518642
	w/ JD6 & JD7 RPO & diesel engine Hydroboost	
	87-84 only (staked style)	2770317
	83-81 only (grommet style ¹)	2771250
1970-68	C20 All Delco Vacuum Booster.....	2508400

¹ Grommet design Hydroboost is not supplied with the pedal rod. See Hydroboost chart- pages 2-12 and 2-13.

CHEVROLET / GMC

Year	Application	Part#
------	-------------	-------

CHEVROLET / GMC 2WD 3/4-TON VANS

2012-08	G2500 Series Express, Savanna Hydroboost.....	2772822
2007-03	G2500 Express, Savannah JD-7, JB-8 Hydroboost	2772908
2005-03	Astro/Safari Hydroboost.....	2772499
2002-96	G2500 Express, Savannah JD-7, JB-8 Hydroboost	2772400
1995-94	G20, G2500 Series Van w/ JB, JD-5 RPO & gas engine Delco Vacuum Booster 95 only..... 94 only..... w/ JB, JD-5 RPO & diesel engine Hydroboost.....	18022044 18021125 2771746
1994-1994 ^{1/2}	G Series Van Hydroboost	2770270
1993-90	Astro Van Hydroboost	2771605
1993-81	G20, G25, G2500 Series Van w/ gas engine Delco Vacuum Booster..... w/ diesel engine Hydroboost 93-84 only	2514493 2770270 2771250
1989-81	P20, P2500 Series; Forward Control, Step Van JB7 RPO w/ gas engine Delco Vacuum Booster..... JD6 & JD7 RPO w/ gas engine Hydroboost (grommet style ¹)	2514483 2771250

CHEVROLET / GMC 4WD 3/4-TON TRUCKS

2012-08	2500 Series Hydroboost.....	2772820
2012-08	2500 Series HD Hydroboost.....	2772498

¹ Grommet design Hydroboost is not supplied with the pedal rod. See Hydroboost chart- pages 2-12 and 2-13.

CHEVROLET / GMC

Year	Application	Part#
CHEVROLET / GMC 4WD 3/4-TON TRUCKS (Cont.)		
2007-03	K2500 Series JH-5, JH-6, JH-7	
	Hydroboost.....	2772906
2002-01	K2500 Series; C20 Pickup w/ JH-5, JH-6, JH-7	
	Hydroboost.....	2772906
2000-95	K2500 Series JB-8, JD-7	
	Hydroboost.....	2771791
1999-95	K20, K2500 Series; Pickup & Suburban w/ JB-6 RPO & gas engine	
	Delco Vacuum Booster (95 only).....	18020202
	w/ JB-7 RPO & gas engine	
	Delco Vacuum Booster (95 only).....	18020203
	w/ JB, JD-6 RPO & diesel engine up to 7200GVW	
	Hydroboost.....	2772402
	w/ JB, JD-7 RPO & diesel engine	
	Hydroboost.....	2771791
1994	K20, K2500 Series; Pickups & Suburban w/ JB-6 RPO & gas engine	
	Delco Vacuum Booster.....	18019415
	w/ JB-7 RPO & gas engine	
	Delco Vacuum Booster.....	18021897
	w/ JB, JD-6 RPO & diesel engine	
	Hydroboost.....	2771743
	w/ JB, JD-7 RPO & diesel engine	
	Hydroboost.....	2771742
1993-92	K20, K2500 Series; Pickup & Suburban w/ JB, JD-7 RPO w/ gas engine	
	Delco Vacuum Booster.....	2518664
	w/ diesel engine	
	Hydroboost.....	2771577
1991-88	K20, K2500 Series; Pickup & Suburban w/ JB, JD-7 RPO (7.2 or 8.6M GVWR) SRW w/ gas engine	
	Delco Vacuum Booster.....	2518644
	SRW (91 only) w/ 6.2[C] diesel engine	
	Hydroboost.....	2771578
	SRW & DRW w/ 6.2[J] diesel engine	
	Hydroboost (grommet style ¹)	2771250
	SRW (90-88 only) w/ 6.2[C] diesel engine	
	Hydroboost.....	2770391

¹ Grommet design Hydroboost is not supplied with the pedal rod. See Hydroboost chart- pages 2-12 and 2-13.

CHEVROLET / GMC

Year	Application	Part#
------	-------------	-------

CHEVROLET / GMC 4WD 3/4-TON TRUCKS CONTINUED

1991-88	V20, V2500 Series; Crew Cab & Suburban w/ JB, JD-7 RPO w/ gas engine, exc. 454 Delco Vacuum Booster.....2518642 w/ diesel engine Hydroboost (staked style)2770317
1987-84	K20, V20, K2500, V2500 Series; Pickup & Suburban JB6 RPO w/ gas engine Delco Vacuum Booster.....2514492 JB7 RPO w/ gas engine Delco Vacuum Booster.....2518642 JD6 & JD7 RPO w/ diesel engine Hydroboost (staked style)2770317
1983-79	K20, K2500 Series; Pickup & Suburban w/ JB6 RPO & gas engine Delco Vacuum Booster.....2514492 w/ JB-7 RPO & gas engine (83-81 only) Delco Vacuum Booster.....18016058 w/ JB-7 RPO & gas engine (80-79 only) Delco Vacuum Booster.....18003686 w/ JD6 & JD7 RPO & diesel engine Hydroboost (grommet style ¹)2771250
1978-76	K20, K2500 Series; Pickup w/ JB-7 RPO Delco Vacuum Booster.....18016057

CHEVROLET / GMC 2WD 1-TON TRUCKS

2012-08	C 3500 Series Hydroboost.....2772820
2012-08	C 3500 Series HD Hydroboost.....2772498
2007-99	C3500 Series, Silerado, Sierra JH-5, JH-6, JH-7 Hydroboost.....2772906
2004-97	Commercial Chassis, Workhorse JF-9, 4 Wheel Disc Brakes Hydroboost.....2772404 JB-8 Hydroboost.....2772405
2002-95	C30, C3500 Series; DRW w/ JF-9 RPO & 15M GVWR Hydroboost.....2771792 Calipers Bendix 3.38" system, Front & Rear, (55200(L) 55199(R))

¹ Grommet design Hydroboost is not supplied with the pedal rod. See Hydroboost chart- pages 2-12 and 2-13.

CHEVROLET / GMC

Year	Application	Part#
------	-------------	-------

CHEVROLET / GMC 2WD 1-TON TRUCKS CONTINUED

2000-88	GM Medium Duty Truck Steel Conventional C6D042 Series, C7D042 Series, C7D064 Series Calipers Bendix 55250
1997	C30, C3500 Series; HD - DRW w/ 15M GVWR Calipers Bendix 3.38" system, Front & Rear (55200(L) 55199(R))
1999-95	C30, C3500 Series; SRW & DRW w/ JB-8, JD-7 RPO, exc. 15M GVWR Hydroboost.....2771791
1994	C30, C3500 Series; SRW & DRW w/ JB-8, JD-7 RPO, exc. 15M GVWR Hydroboost.....2771742
1994	C30, C3500 Series; DRW w/ JF-9 RPO & 15M GVWR Hydroboost.....2771744 Calipers Bendix 3.38" system, Front & Rear, (55200(L) 55199(R))
1993-92	C30, C3500 Series; SRW & DRW, exc. 15M GVWR Hydroboost.....2771577
1993-92	C30, C3500 Series; DRW w/ 15M GVWR Hydroboost.....2771593 Calipers Bendix 3.38" system, Front & Rear, (55200(L) 55199(R))
1991-82	C30, R30, C3500, R3500 Series SRW w/ gas engine (91-90 only) Delco Vacuum Booster.....2518664 SRW or DRW exc. 15M GVWR w/ diesel engine (91-82) Hydroboost (grommet style ¹)2771250 HD-DRW w/ 15M GVWR (91-90 only) Hydroboost (grommet style ¹) 2771118 Calipers Bendix 3.38" system (Front) (55200(L) 55199(R))
1981-75	C30, R30, C3500, R3500 Series; Pickups, Bonus Cab, Crew Cab, Cab & Chassis w/ JB8 RPO Hydroboost 81-80 only (grommet style ¹) 2771117 79 only (grommet style ¹)2770916 78-77 only (grommet style ¹)2770726 76-75 only (grommet style ¹) 2771173
1978-74	C30, R30, C3500, R3500 Series; Pickups, Bonus Cab, Crew Cab, Cab & Chassis w/ JB8 RPO Calipers Bendix 3.38" system (Front) 55098(L) 55099(R)
1976-74	Motor Home w/ JB8 RPO Hydroboost.....2771155
1973-71	C3500, R3500 Series; Pickups, Bonus Cab, Crew Cab, Cab & Chassis, w/ disc brakes & 11M axle Hydrovac2503151

¹ Grommet design Hydroboost is not supplied with the pedal rod. See Hydroboost chart- pages 2-12 and 2-13.

CHEVROLET / GMC

Year	Application	Part#
------	-------------	-------

CHEVROLET / GMC 2WD 1-TON TRUCKS (Cont.)

1970-68	C30, R30, C3500, R3500 Series; Pickups, Bonus Cab, Crew Cab, Cab & Chassis w/ 13 X 2-1/2" or 15 X 4" rear brakes	
	Master-vac	2508400
1967	C3500 Series	
	Master-vac	2505229
1966-52	C3500, R3500 Series; Pickups, Bonus Cab, Crew Cab, Cab & Chassis (4.8 to 8.8M GVW) (FIU)	
	Single Piston Hydrovac	379900

CHEVROLET / GMC 2WD 1-TON VANS

2012-08	G3500 Express, Savanna	
	Hydroboost.....	2772822
2007-03	G3500 Express, Savannah	
	Hydroboost	2772908
2004-97	P Series Four Wheel Disc Brakes	
	Hydroboost	2772407
2002-96	G3500 Express, Savannah JD-7, JB-8	
	Hydroboost	2772400
1999-97	P 3500 Series Van, Front Disc & Rear Drum Brakes	
	Hydroboost	2772406
	Four Wheel Disc Brakes	
	Hydroboost	2772407
1996-94	G30, G3500 Series Van	
	SRW w/ JB-7 RPO & gas engine	
	Delco Vacuum Booster 95 only	18022072
	94 only.....	18021126
	SRW w/ JD-7 RPO & diesel engine Hydroboost.....	2771746
1996-94	G30, G3500 Series Van; SRW & DRW w/ JB-8 RPO	
	Hydroboost.....	2771745
	Calipers Bendix 3.38" system, Front only	55098(L) 55099(R)
1993-85	G30, G3500 Series Van; SRW w/ JB, JD-7 RPO	
	w/ gas engine, exc. L-19	
	Delco Vacuum Booster.....	2518659
	w/ L-19 gas engine	
	Delco Vacuum Booster.....	18013986
	w/ diesel engine	
	Hydroboost.....	2770270

¹ Grommet design Hydroboost is not supplied with the pedal rod. See Hydroboost chart- pages 2-12 and 2-13.

CHEVROLET / GMC

Year	Application	Part#
------	-------------	-------

CHEVROLET / GMC 2WD 1-TON VANS (Cont.)

1993-80	G30, G3500 Series Van SRW & DRW w/ JB-8 RPO Hydroboost (93-80) (grommet style ¹) 2771117 Calipers (93-85 only) Bendix 3.38" sys., Front only 55098(L) 55099(R) SRW (84 only) w/ diesel engine Hydroboost.....2770270 SRW (83 only) w/ diesel engine & JD-7 RPO Hydroboost (grommet style ¹)2771250 DRW (G30 model, 79 only) w/ JB-8 RPO Hydroboost (grommet style ¹)2770916 DRW (1979 G3500 & 78-77 G30 only) w/ JB-8 RPO Hydroboost (grommet style ¹)2770726 DRW (76 only) w/ JB-8 RPO Hydroboost (grommet style ¹)2771173
1996-90	DRW (All years) w/ JF-9 RPO, diesel engine; (P30 & MHC Stripped Chassis) 4 Wheel Disc Brakes Hydroboost (grommet style ¹) 2771118 Calipers (All 96-90 models only) Front (all models) and rear w/ JF-9 RPO only Bendix 3.38" system, 55199(L) 55200(R)
1996-80	P30, P3500 Series; Forward Control Chassis, MHC, & Step Van SRW (93-80 only) w/ JB, JD-7 RPO & gas engine Delco Vacuum Booster.....2514483 SRW and DRW (95-80 only) w/ JB, JD-7, or JB-8 RPO & diesel engine; (P30 & MHC Stripped Chassis) Hydroboost (grommet style ¹) 2771117 SRW (91-81 only) w/ JB, JD-7 RPO & diesel engine Hydroboost (grommet style ¹)2771250 DRW (96-93 only) w/ JF-9 RPO & diesel engine; (exc. Stripped Chassis & MHC w/ Cab & Chassis) Hydroboost.....2771717
1979	P30, P3500 Series; Forward Control Chassis, MHC, & Step Van Hydroboost w/ JB8 RPO (79 only) (grommet style¹)2770916 w/ JF9 RPO (79 only) (grommet style¹) 2771118 w/ JB8 RPO (78-77 only) (grommet style¹)2770726 w/ JB8 RPO (76 only) (grommet style¹)2771173

Special Note: ***For Parking and Emergency Brake System see page 5-3**

¹ Grommet design Hydroboost is not supplied with the pedal rod. See Hydroboost chart- pages 2-12 and 2-13.

CHEVROLET / GMC

Year	Application	Part#
------	-------------	-------

CHEVROLET / GMC 4WD 1-TON TRUCKS

2012-08	K3500 Series	Hydroboost.....2772820 Calipers, Front (7300 GVW)..... 55854 (L) 55853(R) Calipers, Front (8500 GVW)..... 55856 (L) 55855(R)
2012-08	K3500 Series HD	Hydroboost.....2772498 Calipers, Front (7300 GVW)..... 55854 (L) 55853(R) Calipers, Front (8500 GVW)..... 55856 (L) 55855(R)
2007-03	K30, 3500 Series JH-5, JH-6, JH-7	Hydroboost.....2772906 Calipers, Front (7300 GVW)..... 55854 (L) 55853(R) Calipers, Front (8500 GVW)..... 55856 (L) 55855(R)
2002-95	K30, K3500 Series; DRW w/ JF-9 RPO & 15M GVWR	Hydroboost.....2771792 Calipers Bendix 3.38" system, Front & Rear, (55098(L) 55099(R)
2002-01	K30, K3500 Series Pickup w/ JH-5, JH-6, JH-7	Hydroboost.....2772906
1998-95	K30, K3500 Series; SRW & DRW w/ JB-8, JD-7 RPO, exc. 15M GVWR	Hydroboost.....2771791
1997	K30, K3500 Series; HD - DRW w/ 15M GVWR	Calipers Bendix 3.38" system, Front & Rear 55200(L) 55199(R)
1998-92	K3500 Series; Pickup, Cab & Chassis, SRW & DRW w/ JB-8 RPO	Hydroboost 98-95 only2771791 94 only JB-8 Brake.....2771742 93-92 only2771577 94-92 only JF-9 w/ 15M GVWR & 4 Wheel Disc brakes2771593
1991-82	K3500, V30, V3500 Series; Pickup, Cab & Chassis SRW w/ gas engine (91-88 only)	Delco Vacuum Booster.....2518664 SRW or DRW w/ diesel engine Hydroboost (grommet style ¹)2771250 Calipers (91-90 only) Bendix 3.38" sys., Front & Rear,.. 55200(L) 55199(R)

¹ Grommet design Hydroboost is not supplied with the pedal rod. See Hydroboost chart- pages 2-12 and 2-13.

CHEVROLET / GMC

Year	Application	Part#
------	-------------	-------

CHEVROLET / GMC 4WD 1-TON TRUCKS (Cont.)

1981-75	K30, K3500, V30, V3500 Series; Pickups, Bonus Cab, Crew Cab, Cab & Chassis Hydroboost 81-80 only (grommet style ¹) 2771117 79 only (grommet style ¹) 2770916 78-77 only (grommet style ¹) 2770726 76-75 only (grommet style ¹) 2771173
1976-73	C, G, K, P30, P3500 Series & Motor Home, w/ JB-8 & 9 RPO option Hydroboost..... 2771155
1974-73	Motor Home Chassis Hydrovac..... 2510555
1973-71	C, P30 Series & Motor Home, w/ disc brakes Hydrovac..... 2503151 P30, P3500 Motor Home Chassis w/ 15" rear brakes Hydroboost..... 2771155
1973	GMC Motor Home Chassis w/ 14M axle Hydrovac..... 2510555 or 2503151
1970-68	C30 Series; w/ drum brakes & 7.2M axle Delco Vacuum Booster..... 2508400
1970-63	C, G, P30 Series; w/ drum brakes Midland Hypower C468C or C468L
1968-67	C, G, P30 Series; w/ drum brakes, 11M axle Bendix Hydrovac 2503151 or Midland Hypower C4055
1966-52	C, G, P30 Series Up to 8.8M GVW FIU Single Piston Hydrovac..... 379900 From 8.8 to 16M GVW FIU Single Piston Hydrovac..... 2500397
1964-46	C, G, P30 Series Single Piston Hydrovac..... 379474

CHEVROLET / GMC

Year	Application	Part#
B, C, M & S SERIES SCHOOL BUS		
2012-03	B6 & B7H042 w/ 8-14M FA & 15-23M RA	
	Bendix Hydromax (Casting# 2772114)	2772181
	Pump & Motor (2 Wire Plug)	2772729
	Master Cylinder (Casting# 2230605)	12671
	10K-12K FA Front Calipers (L&R)	S60050595
	15K RARear Calipers (L&R)	S60050595
	17.9K-21KRARear Calipers (L&R).....	S60050595
2002-97	B6 & B7H042 w/ 8-14M FA & 15-23M RA	
	Bendix Hydromax (Casting# 2772114)	2772181
	Pump & Motor	2771320
	Master Cylinder (Casting# 2230605)	12671
	Calipers, Front & Rear (Bendix)	55250
2002-93	B7P042 Series School Bus	
	Caliper	55251
1999-93	Caliper	55250
1996-92	B7T042 School Bus 4 Wheel Disc Brakes	
	Delco Hypower	18014080
	Pump & Motor	18015776
	Master Cylinder	
	w/ 8M FA & 15M RA	12430
	w/ 9-11M FA & 19M RA	12671
	Calipers, Front & Rear	
	Dayton 2.50" system w/ 8M FA & 15M RA	55251
	Bendix 2.88" system w/ 9-11M FA & 19M RA.....	55480
1991-88	B6P042 School Bus	
	Delco Hypower	18001810
	Pump & Motor	18006974
	Calipers, Front & Rear (Bendix)	55250
1991-83	B6P042 School Bus	
	Delco Dual Power – Hydraulic section	18001047
	Delco Dual Power – Vacuum section	18001072
	Master Cylinder	
	w/ F070, F090, F120, F120D w/ 19050S,T RA	11993
	w/ F050, F070, w/ 15040S,T, F155S RA	12000
	Calipers, Front & Rear unless noted:	
	Dayton 2.50" system w/ 7M FA & 15x5 RA (Front only)	
	& w/ 15040S,T RA	55251
1987-83	B6P042 School Bus	
	Calipers, Front & Rear	55250
1987-74	B6P042 School Bus (Rear Drum)	
	Delco Dual Power – Hydraulic section	18001047
	Delco Dual Power – Vacuum section	18001072
	Master Cylinder	11892

CHEVROLET / GMC

Year	Application	Part#
------	-------------	-------

B, C, M & S SERIES SCHOOL BUS (Cont.)
--

1984-83	CA, SA400, CA, CD, MA, SA500, CA600, 4000-6000 series School Bus w/ JL-4 RPO Hydrovac (2 required)	2513815
1982-69	B6P042 (78-77 only), & SS400, SE, SS500, MA600, S600, 4000-6000 series School Bus w/ JL-4 RPO Hydrovac (2 required)	2512066
1969-68	SS400-500, SE500, 600, SG, SM, SS5500M, SM6500M School Bus Midland Booster Midland Booster (SS400-600, SE500 Optional Equipment) Master Cylinder (used w/ C4084B)	C4084B C4090 C3503SX
1968-66	ME800 Midland Hypower w/ 25M GVW w/ 36M GVW	C4057 C4056
1968-65	60 series, S600 H.D. School Bus Bendix Hydrovac	2512065
1959-55	6800, 8800, 10800 series; 2 & 2-1/2 Ton School Bus w/ 1-1/2" M.C., FIU; (20M GVW) Single Piston Hydrovac	374980
1952-46	4500, 6700 series; 1-1/2 & 2 Ton School Bus (under 20M GVW) Single Piston Hydrovac	379474

TOPKICK & KODIAK MODELS

2012-03	Topkick & Kodiak (C6 & C7H042) w/ 8-14M FA & 15-23M RA Bendix Hydromax (Casting# 2772114) Pump & Motor (2 Wire Plug) Master Cylinder (Casting# 2230605) 10K-12K FA Front Calipers (L&R) 15K RARear Calipers (L&R) 17.9K-21K RA Rear Calipers (L&R)	2772181 2772729 12671 S60450601 S60450601 S60450601
2004-02	Topkick & Kodiak Hydroboost	2772786
2002-99	Topkick & Kodiak (C6 & C7H042) w/ 8-14M FA & 15-23M RA Bendix Hydromax (Casting# 2772114) Pump & Motor Master Cylinder (Casting# 2230605)	2772181 2771320 12671
1998-90	Topkick & Kodiak Delco Hypower	18014080

CHEVROLET / GMC

Year	Application	Part#
------	-------------	-------

TOPKICK & KODIAK MODELS (Cont.)
--

1997-90	Topkick & Kodiak (C6 & C7H042) w/ 8-14M FA & 15-23M RA	
	Pump & Motor	18015776
	Master Cylinder	
	95-91 w/ Dayton Calipers (Casting# 2230600)	12430
	91 w/ Bendix Calipers (Casting# 2230600)	12430
	95-92 w/ Bendix Calipers only (Casting# 2230605)	12671
	Calipers, Front & Rear	
	Dayton 2.50" system	55251
	Bendix 2.88" system (not used on 15M RA)	55250
1992-91	Topkick & Kodiak (C5H042) (16 to 22M GVW)	
	Pump & Motor	18015776
	Master Cylinder (Casting# 2230600)	12430
	Calipers, Dayton 2.50" system (Front & Rear)	55251

C SERIES HEAVY TRUCK

2012-03	C5D042 Conventional w/ 8-14M FA & 15-23M RA	
	Bendix Hydromax (Casting# 2772114)	2772181
	Pump & Motor (2 Wire Plug)	2772729
	Master Cylinder	12671
2012-03	C6D042, C7D042, C7D064 Conventional (23 to 37M GVW)	
	Bendix Hydromax (casting# 2772114)	2772181
	Pump & Motor (2 Wire Plug)	2772729
	Master Cylinder Casting# 2230605.....	12671
2004	40, 400, 4000 Conventional	
	Bendix Hydromax Casting# 2772114.....	2772181
	Pump & Motor (2 Wire Plug)	2772729
	Master Cylinder Casting# 2230605.....	12671
	Calipers, Front & Rear	56520
2004-03	50, 500, 5000 C5D	
	Bendix Hydromax (Casting# 2772114)	2772181
	Pump & Motor (2 Wire Plug)	2772729
	Master Cylinder Casting# 2230605.....	12671
	Calipers, Front & Rear	56520
2004-03	Conventional, 60, 6000	
	Bendix Hydromax (Casting# 2772114)	2772181
	Pump & Motor (2 Wire Plug)	2772729
	Master Cylinder Casting# 2230605.....	12671
	Calipers, Front	56520
2004-03	60, 6000 C6500, 6K-8K Front Axle	
	Bendix Hydromax (Casting# 2772114)	2772181
	Pump & Motor (2 Wire Plug)	2772729

CHEVROLET / GMC

Year	Application	Part#
------	-------------	-------

C SERIES HEAVY TRUCK CONTINUED

	Master Cylinder (Casting# 2230605)	12671
	Calipers, Front (L&R)	56520
	Calipers, Rear	S60450601
	60, 6000 C6500, 10K-12K Front Axle	
	Bendix Hydromax (Casting# 2772114)	2772181
	Pump & Motor (2 Wire Plug)	2772729
	Master Cylinder (Casting# 2230605)	12671
	Calipers, Front (L&R)	S60450601
	Calipers, Rear	56520
	60, 6000 C6500, 15K Rear Axle	
	Bendix Hydromax (Casting# 2772114)	2772181
	Pump & Motor (2 Wire Plug)	2772729
	Master Cylinder (Casting# 2230605)	12671
	Calipers, Front (L&R)	S60450601
	Calipers, Rear	56520
2003	C4, C5 Series w/casting# 136743, 2 piston	
	TRW caliper	56520A
2002	70, 7000 6000-8000 lb. Front Axle	
	Bendix Hydromax (Casting# 2772114)	2772181
	Pump & Motor	2771320
	Master Cylinder Casting# 2230605.....	12671
	Calipers, Front (L&R)	S60450601
2002	C7500, 6000-8000 lb. Front Axle	
	Bendix Hydromax (Casting# 2772114)	2772181
	Pump & Motor	2771320
	Master Cylinder Casting# 2230605.....	12671
	Calipers, Front (L&R)	S60450601
	Calipers, Rear	55251
	C7500, 15000 lb. Rear Axle	
	Calipers, Rear (L&R).....	S60450601
2002-98	C5500 17.9K-21K Rear Axle	
	Dayton 4 Piston Caliper, rear	<i>refer to pages 3-8, 9 for correct part#</i>
2002-98	60, 6000 C6D042 6K-8K Front Axle	
	Dayton 4 Piston Caliper, rear	<i>refer to pages 3-8, 9 for correct part#</i>
2002-98	C6500 10K-12K Front Axle	
	Dayton 4 Piston Caliper, Front	<i>refer to pages 3-8, 9 for correct part#</i>
	Calipers, rear.....	55251 or 55250
2002-98	C6500 15K Rear Axle	
	Dayton 4 Piston Caliper, Front	<i>refer to pages 3-8, 9 for correct part#</i>
	Calipers, rear.....	55251 or 55250

CHEVROLET / GMC

Year	Application	Part#
------	-------------	-------

C SERIES HEAVY TRUCK CONTINUED

2002-98	70, 7000 C7H042 6000-8000 lb. Front Axle Dayton 4 Piston Caliper, Front <i>refer to pages 3-8, 9 for correct part#</i> 70, 7000 C7H042 8000-12000 lb. Front Axle Dayton 4 Piston Caliper, Front <i>refer to pages 3-8, 9 for correct part#</i> 70, 7000 C7H042 15000 lb. Rear Axle Calipers, rear.....55251 or 55250 70, 7000 C7H042 17,900-21000 lb. Rear Axle Calipers, rear.....55251 or 55250
2002-99	C6D042, C7D042, C7D064 Conventional (23 to 37M GVW) Bendix Hydromax (Casting#2772114)2772181 Pump & Motor2771320 Master Cylinder (Casting# 2230605) 12671 Dayton 4 Piston Caliper, Front, 6K-8K FA <i>refer to pages 3-8, 9 for correct part#</i> Calipers, rear.....55251 or 55250
1998-97	60, 6000 F6B042 Tilt Cab Calipers, Front & Rear (Dayton).....55251 or Calipers, Front & Rear (Bendix).....55250
1998-97	70, 7000 C7D042/064 Calipers, Front & Rear (Bendix 3.38" SP) 55200 (L) 55199 (R) or Calipers, Front & Rear (Dayton 2.50" TP).....55251 or Calipers, Front & Rear (Bendix 2.88" TP)55250
1997-92	70, 7000 C7H042 Calipers, Rear (Dayton 2.50" TP).....55251 or Calipers, Rear (Bendix).....55250 C7H042 11000-14000 lb. Front Axle (Bendix 2.88" TP).....55250
1997-90	60, 6000 8000 lb. Front Axle & 15000-19000 lb. Rear Axle Calipers, Front & Rear55251 8000-11000 lb. Front Axle & Over 19,000 Lb. Rear Axle Calipers, Front & Rear55250
1989-85	C5D042 Conventional (16 to 22M GVW) C6D042, C7D042, C7D064 Conventional (23 to 37M GVW) Delco Hypower.....18001810

CHEVROLET / GMC

Year	Application	Part#
------	-------------	-------

C SERIES HEAVY TRUCK CONTINUED

	Delco Pump & Motor	18006974
	Master Cylinder	
	'90' C6 & '89-88' C6/ 7 w/ F050, F070 & 15040S,T, F155S RA	12000
	All other models (1996-91) (Casting# 2230600)	12430
	All other models (1990-87) (Casting# 2230600)	11993
	Calipers (Front & Rear unless noted)	
	Dayton 2.50" system, All years w/ 5-14M FA & 15-23M RA	55251
	Bendix 2.88" system, 1990 Front axle only	
	w/ 9, 12M FA & 16.9, 19M RA	55250
	Bendix 2.88" system, 1990 rear axle only &	
	'89-88' w/ 5-14M FA & 15-23M RA	55250
	Bendix 3.88" system (89-88 only)	
	w/ 5-14M FA & 15-23M RA	55200 (L) 55199 (R)
1998-90	50, 500, 5000 C5H042	
	Delco Hypower	18014080
	Delco Pump & Motor	18015776
	Master Cylinder (Casting# 2230600)	12430
	Calipers, Front & Rear	55251
1989-86	50, 500, 5000 C5D, Conventional	
	Delco Hypower	18001810
	Delco Pump & Motor	18006974
	Master Cylinder (Casting# 2230600)	11993
	Calipers, Front & Rear	55200 (L) 55199 (R)
1989-86	60, 6000 Conventional	
	Delco Hypower	18001810
	Delco Pump & Motor	18006974
	Master Cylinder (Casting# 2230600)	11993
	(90 only) Calipers, Front	55200 (L) 55199 (R)
	or Calipers, Front	55250
	(89 only) Calipers Front & Rear (Bendix 3.38 SP)	55200 (L) 55199 (R)
	or Calipers Front & Rear (Dayton 2.50" TP)	55251
	or Calipers Front & Rear (Bendix 2.88" TP)	55250

CHEVROLET / GMC

Year	Application	Part#
------	-------------	-------

C SERIES HEAVY TRUCK CONTINUED

1989-83	C6D042, C7D042, C7D064 C60/ 70 series Conventional (18.5 to 27.5M GVW); & Tandem (37 to 45M GVW); (w/ Disc Brakes) Delco Hypower (all years) 18001810 Delco Pump & Motor 18006974 Master Cylinder 11993 Calipers: Dayton 2.50" system (Front only); C6 w/ 7M FA & 15x5 RA, & All w/ 7M FA & 17101, 17201, 17221, M190T, G190S, 22121, 22221, H175, T175, G185S, M185T, M220T, M220S, 19, 22M RA 55251 Bendix 2.88" system, rear only (see above) & all wheels w/ 9, 12M FA & H175, T175, 34DS, 34DT, 19, 22M RA 55250	
1987-77	C5D042, C50/ 5000 Conventional (16 to 18.5M GVW) Delco Hypower (all years) 18001810 Delco Pump & Motor 18006974 Master Cylinder (87-86 only) 4 Wheel Disc Brakes (Delco system) ... 11993 85-77 (Delco system) (1-3/4" bore) Rear Drum Brakes 11892 Bendix Hydrovac (84-77) 2512065 Master Cylinder F100560	
1987-65	C6D042, C60, 60H, 6000/ 8000, C7D042, C7D064, C70 series Conventional (18.5 to 27.5M GVW) & Tandem Axle (37 to 45M GVW) Delco Hypower (87-73) 18001810 Delco Pump & Motor 18006974 Master Cylinder Delco System, 1 3/4" bore (87-86 only), w/ 5M FA 11993 Delco System, 2" bore (85-79 only) 11885 Delco System, 1-3/4" bore 11892 Bendix Hydrovac (84-83) Includes tandem axle w/ diesel engine Rear Drum Brakes 2513814 Bendix Hydrovac (82-65) Includes tandem axle w/ diesel engine 2512065 Bendix Tandem Hydrovac (85-65) Tandem axle, exc. diesel & 14x2-1/2, 15x3, FA & 15x4, 5, 6 RA 2513812	
1976-73	50CE, CS STR. 6 Conventional Cab w/ gas engine Hydrovac 2512065	
1969-67	CE, CS, SS400, 500, 600 Midland Booster C4037L Master Cylinder C3492SX	
1965-62	60 Series Air Pac (3 line unit) 2502061 Tandem Hydrovac (3 line unit) 2504106	

CHEVROLET / GMC

Year	Application	Part#
------	-------------	-------

P & S SERIES (FORWARD CONTROL CHASSIS)

2012-03	P6T042 Forward Control Chassis	Bendix Hydromax (Casting# 2772114)2772181 Pump & Motor (2 Wire Plug)2772729 Master Cylinder (Casting# 2230605) 12671
2002-99	P6T042 Forward Control Chassis	Bendix Hydromax (Casting# 2772114)2772181 Pump & Motor2771320 Master Cylinder (Casting# 2230605) 12671
1998-90	P6T042 Forward Control Chassis	Delco Hypower18014080 Pump & Motor18015776 Master Cylinder (95-91 only) w/ 8M FA & 15M RA (1-3/4" bore) (Casting# 2230600) ... 12430 (95-93 only) w/ 9-11M FA & 19M RA (Casting# 2230605) 12671 (90 only) w/ F070, F090, F120,D FA & 19050S,T RA 12000 (90 only) w/ F050, F070 FA & 15040S,T, F155S RA 11993 Calipers (Front & Rear) w/ 8M FA & 15M RA, Dayton 2.50" system55251 w/ 9-11M FA & 19M RA, Bendix 2.88" system55480
1996-93	60, 6000 P6S042	Calipers, Front (Bendix)55250 or Calipers, Front (Dayton).....55251
1989-86	P4T042 Forward Control Chassis (20M GVW)	Delco Hypower18001810 Pump & Motor18006974 Master Cylinder (1-3/4" bore) 12000 (90 only) Calipers, Front & Rear (Dayton 2.50" system)55251 (89 only) Calipers, Front & Rear 55200 (L) 55199 (R)
1989	S7T042 Forward Control Chassis (24.5 to 31M GVW)	Delco Hypower18001810 Pump & Motor18006974 Master Cylinder (1-3/4" bore) 89-85 only 12306 84-83 only 11892 Calipers, Front & Rear Bendix 2.88" system (90-89 only)55480 Bendix 2.88" system (88-83 only)55250
1989	40, 400, 400 P4T042	Delco Hypower18001810 Pump & Motor18006974 Calipers Front & Rear55251

CHEVROLET / GMC

Year	Application	Part#
------	-------------	-------

T & W SERIES (TILT CAB)

2006-04	GM Medium Duty Truck W Series, W5Series Calipers Front & Rear	56520
1989-88	P6T042 1-1/2 to 2-1/2 Ton Forward Control Chassis Delco Hypower..... Pump & Motor	18001810 18006974
	Master Cylinder (1-3/4" bore) w/ F070, F090, F120,D FA & 19050S,T RA	11993
	w/ F050, F070 FA & 15040S,T, F155S RA.....	12000
	Calipers (5, 7, 9M FA & 15, 19M RA) (Front & Rear) Bendix 2.88" system.....	55250
	Bendix 3.38" system.....	55200 (L) 55199 (R)
1989-79	P4T042 1-1/2 to 2-1/2 Ton Forward Control Chassis Delco Hypower.....	18001810
	Pump & Motor	18006974
	Master Cylinder Rear Drum Brakes (1-3/4" bore) (85-79 only)	11892
	Master Cylinder 4 Wheel Disc Brakes (1-3/4" bore) (87-86 only)	11993
1989-83	P6T042 1-1/2 to 2-1/2 Ton Forward Control Chassis Delco Hypower.....	18001810
	Pump & Motor	18006974
	Master Cylinder (1-3/4" bore, all models) 87-83 w/ F070, F090, F120,D FA & 1950S,T RA	11993
	87-84 w/ F050, F070 FA & 15040S,T, F155S RA.....	12000
	87 only w/ 5M FA w/4 wheel disc brakes (87-86 only)	11993
	All w/ Front disc & Rear Drum brakes	11892
	Calipers, Front axle only w/ 5-7M FA (Dayton 2.50" system)	55251
	w/ 9M FA & all RA models (Bendix 2.88" system)	55250

MISCELLANEOUS HEAVY TRUCKS

2003-00	40, 400, 4000 W4FC Calipers, Front.....	56517 (L) 56516 (R)
2003-00	50, 500, 5000 W5FC Calipers, Front.....	56517 (L) 56516 (R)
2000	40, 400, 4000 W4FC Calipers, Front.....	56519 (L) 56518 (R)
1999	40, 400, 4000 W4FC Calipers, Front.....	56517 (L) 56516 (R)
1998	40, 400, 4000 W4FC Calipers, Front.....	56519 (L) 56518 (R)
1999	50, 500, 5000 W5FC Calipers, Front..... or Calipers, Front	56517 (L) 56516 (R) 55519 (L) 55518 (R)

CHEVROLET / GMC

Year	Application	Part#
MISCELLANEOUS HEAVY TRUCKS (Cont.)		
1998	50, 500, 5000 W5FC Calipers, Front.....	55519 (L) 55518 (R)
1997-89	40, 400, 4000 W4FC Calipers, Front.....	56812 (L) 56811 (R)
1984-83	60H, HD, 6000HD Tilt Cab, tandem axle w/ diesel engine Hydrovac.....	2513814
1982-72	72 BBC Steel Tilt Cab Tandem Hydrovac.....	2513812
1982-67	TD, TG600, 6000HD Tilt Cab (w/ Tandem axle only) & diesel engine Hydrovac.....	2512065
1980-77	W6N042, TE (V8 Gas), & TG (V6 Diesel) Tilt Cab Delco Hypower..... Pump & Motor..... Hydrovac..... Master Cylinder (w Hydrovac only)..... Delco System (used w/ Hyd. Spr. Prk. Brk.) (2" bore)..... Delco System (1-3/4" bore).....	18001810 18006974 2512065 F100560 11885 11892
1980-79	W7N042 Tilt Cab (18.5 to 27.5M GVW) Delco Hypower..... Pump & Motor..... Master Cylinder Delco system only (1-3/4" bore)..... Hydrovac (used w/ 15x6 RA) (2 required)..... Master Cylinder (Bendix Hydrovac Split System only 2" bore).....	18001810 18006974 11892 2512066 11885
1978-77	W7N042 Tilt Cab (18.5 to 27.5M GVW) Delco Hypower..... Pump & Motor..... Master Cylinder (1-3/4" bore) Delco system only..... Hydrovac (w/ 15x6 RA)..... Master Cylinder (2512065 only)..... Tandem Hydrovac (w/ 15x7 or 16x6 RA)..... Master Cylinder (2513812 only).....	18001810 18006974 11892 2512065 F100560 2513812 F100558
1967-65	TD500/ 600, TG500/ 600 Tilt Cab, Tandem axle only & exc. Diesel (66-65 only) Hydrovac.....	2503151
1965-62	TE, TS600 Tilt Cab (HD Booster, exc. 261" W.B.) Hydrovac.....	2504113
1963	TE500/ 600, TS500/ 600 Tilt Cab (exc. Tandem) Air Pac.....	2500690

CHEVROLET / GMC

Year	Application	Part#
MISCELLANEOUS HEAVY TRUCKS (Cont.)		
1977-66	JM, JG7500V to 6500, HD models Midland Tandem Hypower.....	C4036A
1973-66	HM, HG7500V Midland Tandem Hypower.....	C4042D
1971-67	TM, TG5500 to 6500V Midland Hypower or w/ 23M GVW.....	C4056 C4055
1971-67	TM7003, TM, TG7500V Midland Tandem Hypower.....	C4058
1970-66	HM, HG5500V Midland Hypower or w/ 15 to 20M GVW.....	C4034 C4035A
1969-68	SM5500 to 6500M & RM7500P Midland Hypower	C4090
1968-67	EM, ES, EG4500 to 6500M Midland Booster Master Cylinder	C4037N C3492SX
1968-65	Various models, includes Air over Hydraulic system Air-Pac	2504183
1968-65	Various models, Light Duty Hydrovac.....	2503151
1967-66	50, 60 Series Midland Hypower w/ 19.5M GVW w/ 23M GVW.....	C4055 C4056
1966-56	W-500 (66-65 only) & 8403, 8503, 8703, 10403, 10412, 10503, 10703 w/ tandem axle (66-56) Single Piston Hydrovac.....	374750
1966-52	1 1/2 Ton (8.8 to16M GVW), FIU Single Piston Hydrovac.....	2500397
1965-62	60 H.D. Hydrovac (3 line unit)	2504113
1965-62	50, 60 series, Exc. H.D. Hydrovac.....	2504102

CLARK

Year	Application	Part#
------	-------------	-------

MISCELLANEOUS HEAVY TRUCKS (Cont.)

1965-60	BWV, LWV, SPV 5000; BV, LV, BWV5500, BV6000 Midland Tandem Hypower (3 line unit).....C4013E Midland Hypower Slave unit used on tandem axle w/ C4013E C4007	
1964-55	4, 5, 6 Series, exc. H.D. Single Piston Hydrovac.....379474	
1963-51	4 thru 10 Series Air over Hydraulic, w/ tandem axle (63-61) & w/o tandem axle (63-51) Air-pac.....2500690	
1962-60	40, 50, 60 Series, exc. H.D. Single Diaphragm Hydrovac2500660 70 Series Midland Hypower, (3 line unit).....C4012E 70-80 Series Tandem Midland Hypower, slave unit (used w/ C4013E)..... C4007 Midland Booster, 80 Series only (3 line unit).....C4013E	
1962-60	V, BV, LV, SV4000 to 5000 Midland Hypower (3 line unit).....C4012E	
1957-53	2 1/2 Ton (6 X 6 Ordinance) Air-Pac376440	

CLARK EQUIPMENT VARIOUS MODELS

1982-72	Master-Vac 2511018	
1982-65	Hydrovac 2503151	
1982-55	Single Piston-Hydrovac 377475	
1967-56	Tandem Piston-Hydrovac 374229	
1967-51	Single Piston-Hydrovac 377215	
1964-58	Tandem Piston-Hydrovac 376658	

DODGE

Year	Application	Part#
------	-------------	-------

DAKOTA

1996-90	Dakota Pickups	
	Master-vac	2514462

RAM

2002	Ram 1500	
	Calipers, Front.....	55989 (L) 55988 (R)

	Ram 2500	
	Calipers, Front.....	55890 (L) 55889(R)
	Calipers, Rear	55967(L) 55966 (R)

	Ram 3500	
	Calipers, Front.....	55890 (L) 55889(R)
	Calipers, Rear	55973(L) 55972 (R)

2001	Ram 1500	
	Master Cylinder	13442
	Calipers, Front.....	55866 (L) 55865(R)

	Ram 2500	
	Master Cylinder	13442
	Calipers, Front.....	55890 (L) 55889(R)
	Calipers, Rear	55967(L) 55966(R)

	Ram 3500	
	Master Cylinder	13442
	Calipers, Front.....	55890 (L) 55889(R)
	Calipers, Rear	55973(L) 55972(R)

2000	Ram 1500	
	Master Cylinder	13442
	Calipers, Front.....	55866 (L) 55865(R)

	Ram 2500	
	Master Cylinder	13442
	Calipers, Front.....	55890 (L) 55889(R)
	Calipers, Rear	TBA

	Ram 3500	
	Master Cylinder	13442
	Calipers, Front.....	55890 (L) 55889(R)
	Calipers, Rear	TBA

1999	Ram 1500	
	Master Cylinder	13442
	Calipers, Front.....	55501 (L) 55500(R)

1999	Ram 2500	
	Master Cylinder	13442
	Calipers, Front.....	55497 (L) 5549611
	or Calipers, Front	55888(L) 55887(R)

DODGE

Year	Application	Part#
------	-------------	-------

RAM CONTINUED

1999	Ram 3500	Master Cylinder13442
		Calipers, Front..... 55688 (L) 55687(R)
1998	Ram 1500	Master Cylinder13442
		Calipers Front..... 55501 (L) 55500(R)
	Ram 2500	Master Cylinder13442
		Calipers, Front..... 55501 (L) 5550011
	Ram 3500	Master Cylinder13442
		Calipers, Front..... 55688 (L) 55687(R)
1997	Ram 1500	Master Cylinder13056
		Calipers 55501(L) 55500(R)
	Ram 2500	Master Cylinder 13056 or 13057
		Calipers 55497(L) 55496(R)
1997	Ram 1500	Master Cylinder13057
		Calipers 55688(L) 55687(R)
1997-94	Ram 1/2, 3/4 & 1 Ton Pickup, 2 & 4WD	Master-vac2517-G26

RAMCHARGER

1993-89	AD100/150 2WD; AW100/150 4WD	Master-vac2515228
1986-84	AD100/150 2WD; AW100/150 4WD	Master-vac2514752
1983-74	AD100/150 2WD; AW100/150 4WD	Master-vac
		w/ 2 bolt Master Cylinder (83-79 only)2513294
		w/ 4 bolt Master Cylinder (79-74 only)2512643
		w/ 2 bolt Master Cylinder (77-74 only)2510965

DODGE

Year	Application	Part#
------	-------------	-------

DODGE VANS

2002	B100, 150	Master Cylinder13488 Calipers, Front 55886 (L) 55885 (R)
	B200, 250	Master Cylinder13488 Calipers, Front 55888 (L) 55887 (R)
	B300, 350	Master Cylinder13488 Calipers, Front 55888 (L) 55887 (R)
2001	B200, 250, 300, 350	Master Cylinder13488 Calipers 55888(L) 55887(R)
2000	B100, 150	Master Cylinder13488 Calipers, Front 55866 (L) 55865 (R)
	B200, 250, 300, 350	Master Cylinder13488 Calipers 55888(L) 55887(R)
1999	B100, 150	Master Cylinder13488 Calipers, Front 55916 (L) 55915(R)
	B200, 250	Master Cylinder13488 Calipers 55888(L) 55887(R)
1999	B300, 350	Master Cylinder13488 Calipers, Front 55888 (L) 55887 (R)
1998	B100, 150	Master Cylinder13488 Calipers, Front 55866 (L) 55865 (R)
	B200, 250	Master Cylinder13488 Calipers 55888(L) 55887(R)
	B300, 350	Master Cylinder13488 Calipers, Front 55888 (L) 55887 (R)
1997	B100, 150	Master Cylinder12519 Calipers, Front55119 (L) 55118 (R)

DODGE

Year	Application	Part#
------	-------------	-------

DODGE VAN CONTINUED

96-89	B100, B150 Van Master-vac	2515227
1997	B200, 250, 300, 350 Master Cylinder Booster Calipers, Front	12519 2515227 55119 (L) 55118 (R)
96-89	B200, B250 Van Master-vac	2515227
96-89	B300, B350 Van Master-vac w/ 3.6M FA..... w/ 4.0M FA (96-90 only) w/ 4.0M FA (89 only)	2515227 2516765 2515380
88-85	B300, B350 Van Master-vac w/ 3.6M FA (87-85 only) w/ 4.0M FA	2514776 2512839
87-85	B100, B150, B200, B250 Van Master-vac	2514224
1984-82	B300, B350 Van Master-vac w/ 3.6M FA, exc. Trans. Mtg. Booster (81-79 only) w/ 4.0M FA, and w/ Trans. Mtg. Booster (81-79 only) Hydroboost w/ diesel engine (83-82 only).....	2512838 2512839 2771030
84-79	B100, B150, B200, B250 Van Master-vac	2513355
78-73	B100, B150, B200, B250 Van Master-vac	2510764
1978-70	B300, B350 Van w/ disc brakes; drum brakes (73-70 only) Master-vac	2514023
72-71	B100, B150 Van Master-vac	2514023

DODGE

Year	Application	Part#
------	-------------	-------

DODGE SPRINTER

2004	Sprinter 2500	Calipers, Front (ATE 60mm SP)..... 56534(L) 56535(R) Calipers, Rear (ATE 52 mm SP) 56536(L) 56535(R) Calipers, Front (Bosch 52mm SP) 56540(L) 56541(R) Calipers, Rear (Bosch 45mm TP) 56538(L) 56539(R)
2002	Sprinter 2500	Calipers, Front (ATE 60mm SP).....56534
2004-03	Sprinter 3500	Calipers, Front (Bosch 45mm TP)..... 56540(L) 56541(R) Calipers, Rear (Bosch 45mm TP) 56542(L) 56543(R) Calipers, Front (Wabco 44mm TP)..... 56544(L) 56545(R) Calipers, Rear (Wabco 44mm TP) 56546(L) 56547(R)

DODGE 1/2-TON 2 & 4WD TRUCK
--

1993-89	D100, D150 2WD	Master-vac2515228
1993-90	W100, W150 4WD	Master-vac w/ 3/4" check valve (Gas Engine)2514751 w/ 1" check valve (Diesel Engine)2518525
87-84	D100, D150 2WD; W100, W150 4WD	Master-vac2514752
1983-73	D100, D150 2WD; W100, W150 4WD	Master-vac w/ gas engine & 2 bolt Master Cylinder (83-79 only)2513294 w/ gas engine & 2 bolt Master Cylinder (77-73 only)2510965 w/ gas engine & 4 bolt Master Cylinder (79-73)2512643 Hydroboost (81-73 only) w/ diesel engine2771030

DODGE

Year	Application	Part#
------	-------------	-------

DODGE 3/4-TON 2WD TRUCK

2012-08	D2500	Hydroboost.....	2772139
2007-03	D2500	Hydroboost.....	2772470
2002-98	D2500	Hydroboost.....	2772681
1997	D2500	Hydroboost.....	2772336
1993-89	D200, D250	Master-vac	
		w/ 3/4" check valve (Gas Engine)	2514751
		w/ 1" check valve (Diesel Engine)	2518525
1988-84	D220, D250	Master-vac	2513845
1983-82	D200, D250	Master-vac	2512837
1981-78	D200, D250	Master-vac w/ gas engine (81-80 only)	2513294
		w/ gas engine (79 only)	2512837
		Hydroboost w/ diesel engine (81-78)	2771030
1981-79	RD200, RD250	Master-vac	2512837
1978	RD200, RD250	Master-vac	2514023
1977-71	D200, D250		

DODGE 3/4-TON 4WD TRUCK

2012-08	D2500	Hydroboost.....	2772139
2007-03	2500	Hydroboost.....	2772470
2002-98	2500	Hydroboost.....	2772681
1997	2500	Hydroboost.....	2772336
		Master-vac w/ disc brakes.....	2510965
		w/ drum brakes (73-72 only)	2514023

DODGE

Year	Application	Part#
------	-------------	-------

DODGE 3/4-TON 4WD TRUCK CONTINUED
--

1993-89	W200, W250	Master-vac w/ 3/4" check valve (Gas Engine).....2514751 w/ 1" check valve (Diesel Engine)2518525 Calipers, w/ 4.5M FA only Bendix 3.38" system (R / L)..... 55200(L) 55199(R)
1988-84	W200, W250	Master-vac w/ 3.5M FA2513845 w/ 4.5M FA2514751
1983-82	W200, W250	w/ 3.5M FA Master-vac2512837
1981-79	W200, W250	Master-vac w/ 3.5M FA.....2512837 w/ 3.5M FA (78 only)2514023 w/ 12 X 3" rear brake (81-80 only)2513294 Hydroboost w/ diesel engine2771030
1977-75	W200, W250	Master-vac w/ 3.5M FA.....2510965
1974-72	W200, W250	Master-vac w/ drum brakes.....2514023
1971-69	W200, W250	Master-vac2510952

DODGE 1, 1- 1/2 TON 2WD TRUCK

2012-08	D3500	Hydroboost.....2772139
2007-03	D3500	Hydroboost.....2772470
2002-98	D3500	Hydroboost.....2772681
1997	D3500	Hydroboost.....2772336
1993-84	D300, D350 & D450	Master-vac w/ 3/4" check valve & w/ 4.0 or 4.5M FA2514751 w/ 1" check valve.....2518525 w/ 3.6M FA (87-84 only)2513845
1983-79	D300, D350, D450	Master-vac w/ 3.5M FA.....2512837 w/ 4.0M FA (81-80 only)2513294

DODGE

Year	Application	Part#
------	-------------	-------

DODGE 1, 1- 1/2 TON 2WD TRUCK CONTINUED
--

1979	D300, D350, D450 Master-vac	2512837
1978	D300, D350, D450 Master-vac	2514023
1977-72	D300, D350, D450 Master-vac TBA w/ disc brakes (77-73 only) 2510965 w/ drum brakes (73-72 only) 2514023	
1969	D300, D350, D450 Master-vac	2510952

DODGE 1, 1- 1/2 TON 4WD TRUCK

2012-08	D3500 Hydroboost.....	2772139
2007-03	D3500 Hydroboost.....	2772470
2002-98	D3500 Hydroboost.....	2772681
1997	D3500 Hydroboost.....	2772336
1993-84	W300, W350 Master-vac w/ 3/4" check valve (Gas Engine)..... 2514751 w/ 1" check valve (93-90 only) (Diesel Engine)..... 2518525 w/ 3.5M FA (85-84 only) 2513845 Calipers, all models, front axle only Bendix 3.38" system 55199(L) / 55200(R)	
1983-82	W300, W350 4WD w/ 3.5M FA Master-vac	2512837
1970	WM300 4WD Master-vac	2510952

DODGE

Year	Application	Part#
DODGE HEAVY DUTY		
1981-79	CB, MB300, 350, 400, 450	
	Master-vac w/ 3.6M FA exc. Trans. Mtg. Booster.....	2512838
	w/ Trans. Mtg. Booster	2512839
1978	CB, MB300, 350, 400, 450	
	Master-vac	2514023
	Hydroboost	2770726
1978	D300	
	Master-vac	2512617
	Master-vac	2512790
1978	M400	
	Hydroboost.....	2770726
1978-71	D800 w/ 9.0M FA	
	Hydrovac	2512062
1978-71	S600, W600, CT800, C1000	
	Hydrovac (uses 2 units)	2512062
1977-76	M400, M450, R400, R500	
	Hydrovac Equipped (grommet style ¹).....	2503151
	Hydroboost Equipped.....	2771173
1977-74	D500-600	
	Midland Booster (opt.).....	C4084J
	Midland Master Cylinder	C3502SB
1977-73	M400, M450, R400, R500 Motor Home	
	Hydrovac	2512063
1977-72	D300 w/ disc brakes	
	Master-vac	2510965
1977-70	P, M 300 w/ drum brakes	
	Hypower	C490G
1977-52	D, C, P, W400-800	
	Hypower	C464R
1976-68	S500-600 Bus	
	Midland Booster	C4084J
	Midland Master Cylinder	C3502SB
1975	M400, M450, R400, R500	
	Hydrovac Equipped.....	2503151
	Hydroboost Equipped (grommet style ¹)	2771173
1974-73	M400, M450, R400, R500	
	Hydrovac	2503151

DODGE

Year	Application	Part#
DODGE HEAVY DUTY CONTINUED		
1974-69	W, WN 300 w/ drum brakes Master-vac	2510952
1973-67	Various models w/ air over hydraulic clutch assist Mini-Pac	2502702
1971-69	P3 Hypower	C490
1971-60	CT800-900 Tandem Piston Hydrovac	2500487
1971	M375 Motor Home Hydrovac	2512062
1967-62	Various models Single Diaphragm Hydrovac	2500517
1967-62	Various models Air-Pac	2500690
1967-57	P, W300 Hypower	C468C
1966-49	WT500 3 & 4 ton Hypower	C448T
1959-56	VT462, VT466, VT468 Tandem Piston Hydrovac	377839
1952-46	1 1/2 to 2 Ton Midland Booster	C449

FORD

Year	Application	Part#
------	-------------	-------

FORD 1/2-TON VAN

2001	E Super Duty Rear Disc Brake	Master Cylinder 13497 w/o Cruise Master Cylinder 13498 w/ Cruise Calipers, Front & Rear55858(L) 55857(R)
1999-98	E150	Master Cylinder 13281 w/ Cruise Master Cylinder 13283 w/o Cruise Master-vac 2518274 Calipers, Front55737(L) 55736(R)
1996-95	E100, E150 Van	Master-vac 2518565
94-92	E100, E150 Van	Master-vac, under 6.5M 2516106 Master-vac, over 6.5M 2516107
91-86	E100, E150 Van from 9-85	Master-vac 2514533
85-80	E100, E150 Van to 8-85	Master-vac 2513866
79-75	E100, E150 Van	Master-vac 2512292

FORD 3/4-TON VAN

1999	E250 Rear Disc Brake, E250 SRW 12X3 Rear Brake	Master Cylinder 13282 w/ Cruise Master Cylinder 13284 w/o Cruise Calipers, Front55749(L) 55748(R) Calipers, Rear55858(L) 55857(R)
96-92	E250 Van	Master-vac 2516107
91-87	E250 Van Over 7M GVW	Master-vac 2515076
91-84	E250 Van under 7M GVW (91-87) & over 8.5M GVW (86-84) from 9/85	Master-vac 2514533
86-84	E250 Van	Master-vac (To 9/85, Over 8.5M GVW)..... 2513872 Master-vac (Under 8.5M GVW) 2513869
83-77	E250 Van	Master-vac 2512293

FORD

Year	Application	Part#
------	-------------	-------

FORD 1-TON & UP VANS

2012-08	E Super Duty	Hydroboost..... 2772086
2007-02	E450 Super Duty	Hydroboost..... 2772995
2004-02	E550 Super Duty	Hydroboost..... 2773316
2001-99	E450 Super Duty	Hydroboost..... 2772839 Calipers (rear only)55605(L) 55604(R)
1999	E350 DRW12 1/8X3 1/2 Rear Brake	Master Cylinder 13648 w Cruise Master Cylinder..... 13649 w/o Cruise Master-vac 2518274 Calipers, Rear55749(L) 55748(R)
1998	E350	Master Cylinder 13280 w/o Cruise Master Cylinder..... 13293 w/Cruise Master-vac 2518274 Calipers, Front55749(L) 55748 (R) Calipers, Rear55858(L) 55857(R)
1998-97	E350 Super Duty	Hydroboost..... 2772796
97-96	E450	Calipers (rear only)55604(L) 55605(R)
	E350 Van	Master Cylinder 13280 w/o Cruise Master Cylinder..... 13282 w/ Cruise Master Cylinder..... 13293 w/ Cruise Master-vac 2516107 Calipers, Front55749(L) 55748 (R) Calipers, Rear 55858(L) 55857(R) 97-92
1996 1/2	E350 Super Duty	Hydroboost..... 2772795
91-90	E350 Van, w/ Stripped Chassis	Master-vac 2515298
91-88	E350 Van, under 9.5M GVW & exc. Stripped Chassis (91-90)	Master-vac 2515076
86-84	E350 Van	Master-vac 2513872
83-77	E350 Van	Master-vac 2512294

FORD

Year	Application	Part#
------	-------------	-------

FORD 1-TON & UP VANS (Cont.)

76-75	E350 Van	Master-vac	2511597
74-72	E350 Van	Master-vac	2510819

FORD 1/2-TON TRUCK

1998	F150	Master Cylinder	12840 w/Cruise 1 1/8"
		Master Cylinder	12198 w/o Cruise 1 1/16"
		TBA
1997	F150	Master Cylinder	12198 w/o Cruise 1 1/16"
		Master Cylinder	12840 w/Cruise 1 1/8"
		Master Cylinder	13355 w/ Cruise 1 1/4"
		Master-vac	2519970
1996-94	F100, F150	Master-vac	2518555
1993-89	F100, F150 Pickup 2 & 4WD	Master-vac	2516108
1988-84	F100, F150 Pickup 2 & 4WD To 12-87	Master-vac	2514207
1983-80	F100, F150 Pickup 2 & 4WD	Master-vac	2512980
1979	F100, F150 Pickup 2 & 4WD From s/n D J0,001	Master-vac	2512669
1979-77	F100, F150 Pickup 2 & 4WD To s/n D J0,001	Master-vac	2512296
1976-73	F100, F150 Pickup 2 & 4WD	Master-vac (all 2WD & '76' 4WD)	2510468
		Master-vac (75-73 4WD only)	2510794

FORD

Year	Application	Part#
FORD 3/4-TON TRUCK		
2012-08	F250 Super Duty Hydroboost.....	2772094
2007-01	F250 Super Duty Hydroboost.....	2772847
2001	F250 HD, Super Duty 2WD Master Cylinder 13648 w Cruise Master Cylinder..... 13649 w/o Cruise Hydroboost 2772847 Calipers, Front55838(L) 55837(R) Calipers, Rear55930(L) 55929(R)	
	F250 HD, Super Duty 4WD Master Cylinder 13648 w Cruise Master Cylinder..... 13649 w/o Cruise Hydroboost 2772847 Calipers, Front55838(L) 55837(R) Calipers, Rear55930(L) 55929(R)	
2000	F250 HD, Super Duty 2WD Master Cylinder 13648 w Cruise Master Cylinder..... 13649 w/o Cruise Hydroboost 2773315 Calipers, Front55838(L) 55837(R) Calipers, Rear 55835	
	F250 HD, Super Duty 4WD Master Cylinder 13648 w Cruise Master Cylinder..... 13649 w/o Cruise Hydroboost 2773315 Calipers, Front55838(L) 55837(R) Calipers, Rear 55835	
1999	F250 HD except Super Duty w/Rear Disc Brake, 4WD Master Cylinder 13648 w/ Cruise Master Cylinder..... 13355 w/o Cruise 1 1/4" Master-vac 2518286	
1999	F250HD, Super Duty 2WD Master Cylinder 13355 or 13648 Booster 2518286 Calipers, Front55838(L) 55837(R) Calipers, Rear 55835	
1999	F250HD, Super Duty 2WD SRW Master Cylinder 13355 Master-vac 2518286 Calipers, Front55749(L) 55748(R)	

FORD

Year	Application	Part#
------	-------------	-------

FORD 3/4-TON TRUCK CONTINUED

1999	F250HD, Super Duty 4WD SRW	Master Cylinder 13648 w Cruise or 13649 w/o Cruise Master-vac 2518286 Calipers, Front55749(L) 55748(R) Calipers, Front55795(L) 55794(R) Calipers, Rear55802(L) 55801(R)
1998	F250 HD, Super Duty 2WD SRW	Master-vac 2518286 Calipers, Front55749(L) 55748(R)
	F250 HD, Super Duty 4WD	Master-vac 2518286 Calipers, Front55795(L) 55794(R) Calipers, Rear55802(L) 55801(R)
1997	F250	Master Cylinder 13355 Master-vac 2515075 Calipers, Front55749(L) 55748(R) Calipers, Rear55802(L) 55801(R)
1997-93	F250 2 & 4WD Pickups	Master-vac 2519636
1992-88	F250 2 & 4WD Pickup under 7M GVW	Master-vac 2516108
1991-87	F250 2 & 4WD Pickup over 7M GVW	Master-vac 2515075
1987-84	F250 2 & 4WD Pickup under 7M GVW (87 only) & under 8.5M GVW (86-84)	Master-vac 2514207
1986-84	F250 2 & 4WD Pickup over 8.5M GVW	Master-vac 2514110
1983-81	F250 2 & 4WD Pickup over 8.5M GVW	Master-vac 2513006
1983-80	F250 2 & 4WD Pickup under 8.5M GVW	Master-vac 2512980
1979-77	F250 2WD Pickup w/ single piston caliper	Master-vac (from s/n D J0,001) 2512669 Master-vac (to s/n D J0,001)..... 2512296
1979-77	F250 4WD Pickup w/ single piston caliper	Master-vac 2512675

FORD

Year	Application	Part#
------	-------------	-------

FORD 3/4-TON TRUCK CONTINUED

1979-77	F250 4WD Pickup w/ single piston caliper Master-vac	2512298
1976-73	F250 2WD Pickup w/ single piston caliper Master-vac	2510468
1976-73	F250 2WD Pickup w/ dual piston caliper & 4WD Pickup Master-vac	2511083
1975-73	F250 4WD Pickup w/ front drum brakes Master-vac	2510794

FORD 1 and 1 1/2 TON TRUCK

2012-08	F Super Duty Hydroboost.....	2772094
2007-05	F350 Super Duty 2WD & 4WD Hydroboost.....	2772546
2007-03	F53, Stripped Chassis Hydroboost.....	2772428
2004-99	F350 2WD & 4WD Hydroboost.....	2772847
	F450/550 Calipers, Front	55861(L) 55862(R)
	Calipers, Rear
2006-01	Excursion Hydroboost.....	2772847
2002-99	F53, Stripped Chassis Hydroboost.....	2772288
2001	F350 Super Duty, Stripped Chassis Master Cylinder	13648 w Cruise
	Master Cylinder.....	13649 w/o Cruise
	Hydroboost	2772847
	Calipers, Front	55838(L) 55837(R)
	Calipers, Rear	55835(L) 55835(R)
2001	F550 Super Duty Hydroboost.....	2772847
	Master Cylinder	13648 w Cruise
	Master Cylinder.....	13649 w/o Cruise
	Calipers	55861(L) 55862(R)
	F53/F59 1 Ton, Stripped Chassis Calipers, Front	55862(L) 55861(R)

FORD

Year	Application	Part#
------	-------------	-------

FORD 1 and 1 1/2 TON TRUCK CONTINUED

2001	F450 Super Duty	Master Cylinder 12973 Hydroboost..... 2772847 Calipers, Front55862(L) 55861(R) Calipers, Rear55861(L) 55861(R)
2000-98	F350 Super Duty, Stripped Chassis	Master Cylinder 13648 w Cruise Master Cylinder 13649 w/o Cruise Hydroboost..... 2773315
1998-97	F350	Master-vac 2515075 Calipers, Front55749(L) 55748(R)
1997	F53/F59 1 Ton	Calipers, Front55605(L) 55604(R)
1998-90	F450 & F53 / F59 Stripped Chassis	Hydroboost (F450 only) 2770433 Hydroboost (96-90 Stripped Chassis only) 2770433 Calipers (front & rear, exc. 97, front only)55604(L) 55605(R)
1997-95	F350 2 & 4WD Pickup	Master-vac (95-92 only) 2519636 Calipers (97-95 only) (front only)55748(L) 55749(R)
1994-86	F250, F350 2 & 4 WD Pickup	Calipers, Front55461(L) 55460(R)
1991-86	F350 2 & 4WD Pickup	Hydroboost..... 2770433
1991-87	F350 2 & 4WD Pickup, Over 7M GVW	Master-vac 2515075
1986-80	F350 2 & 4WD Pickup	Master-vac (86-84 only) 2514110 Master-vac (83-80 only) 2513006
1985-76	F250, F350 2 & 4 WD Pickup	Calipers, Front 55412(L) 55411(R)
1979-77	F350 2 & 4WD Pickup	Master-vac ('79' 4WD only)..... 2512675 Master-vac (2WD from s/n D70,001) 2512681 Master-vac (2WD to s/n D70,001) 2512300
1976-75	F350 2 & 4WD Pickup, w/ speed control	Master-vac 2511564

FORD

Year	Application	Part#
------	-------------	-------

FORD 1 and 1 1/2 TON TRUCK CONTINUED

1976-69	F350 2 & 4WD Pickup, exc. cruise control Master-vac	2511083
1976-73	P350-400 Master-vac	2510799
1975-74	M400-Motorhome Master-vac	2511226
1972-70	F350 2 & 4WD Pickup, w/ disc or drum brakes Master-vac	2511083
1969-68	F350 2 & 4WD Pickup, w/ drum brakes Master-vac	2508523
1968	F350 2 & 4WD Pickup, w/ disc brakes Master-vac	2507652
1967	F350 2 & 4WD Pickup Master-vac	2505500
1966-63	F350 Midland Booster Master Cylinder	C4030B C3472SD

FORD

Year	Application	Part#
------	-------------	-------

C SERIES

2012-97	C600/ 6000,C700/ 7000 & C800/ 8000	Hydromax (casting 2772114) 2772181 Pump & Motor (stud type) 2771320 or (w/wire & connector) 2771494 Brake Pump BP-1 Hydraulic Valve 065060 Master Cylinder (50.80 mm bore) 12379
1996-84	C600-800	Hydromax (casting# 2771371)..... 2770255 Pump & Motor (stud type) 2771320 or (w/wire & connector) 2771494 Brake Pump BP-1 Hydraulic Valve 065060 Master Cylinder Casting# 2230600 (91-84 only) 11999 Master Cylinder 44.45mm Bore (96-92 only) 12632 Calipers, Dayton 2.88" system, front only 55252 Parking Brake 101H Lucas Brake System (by shoe size & rear axle weight) 15x5 (13, 15M) w/ 1-5/8" system Adjusting Cylinder (R / L) 201186R / 201185R Parking Cylinder (R / L)..... 201182R / 201181R Back Plate Assy. w/ 5" shoes (R / L)202249R / 202250R Back Plate Assy. w/out shoes (R / L)203249R / 203250R 15x6 (17, 19M) & 15x7 (17.5, 18.5, 22M) w/ 1-3/4" system Adjusting Cylinder (R / L) 201184R / 201183R Parking Cylinder (R / L)..... 201180R / 201179R Back Plate Assy. w/ 6" shoes (R / L)202261R / 202262R Back Plate Assy. w/ 7" shoes (R / L)202271R / 202272R Back Plate Assy. w/out shoes (R / L)203261R / 203262R
1983-73	C600-900 w/ split system M.C. and 18.5M, 22M RA; before s/n GG5,001	Hydrovac (2 required) 2512140
1983-77	C600-900 w/ single system Master Cylinder	Hydrovac..... 2512138
1979-73	C600-750 w/ split system Master Cylinder and 22M RA	Hydrovac (2 required) 2512141

Note: When servicing a single axle vehicle equipped with 1-5/8" cylinders it is possible to convert that system to 1-3/4" cylinders providing the **complete axle system** is replaced at the same time. Both left and right wheel and expander cylinders must be changed when upgrading to retain balanced and equal brake applications.

FORD

Year	Application	Part#
C SERIES CONTINUED		
1976-72	C600-900 w/ single system Master Cylinder Hydrovac.....	2511170
1971-62	C500-900 w/ single system Master Cylinder Hydrovac.....	2509426
1971-62	C500-900 & C6000 w/ single system Master Cylinder Hydrovac.....	2512140
1967-62	C500-750 & C6000-7000 w/ single system Master Cylinder Hydrovac (light duty)	2503259
1967-54	C700-900 w/ optional air over hydraulic system Air-Pac	2500690
1963-52	C500-600 Midland HyPower.....	C462C

CF SERIES

2012-97	CF600/ 6000, CF700/ 7000 & CF800/ 8000 Hydromax.....	2772181
	Pump & Motor (stud type)	2771320
	or (w/wire & connector)	2771494
	Master Cylinder (50.80 mm bore)	12379
	Brake Pump	BP-1
	Hydraulic Valve	065060
1996-86	CF600/ 6000 (91-86 only) & CF700/ 7000 Hydromax (casting# 2771371).....	2770255
	Pump & Motor (stud type)	2771320
	or (w/wire & connector)	2771494
	Master Cylinder Casting# 2230600 (91-84 only)	11999
	Master Cylinder 44.45mm Bore (96-92 only)	12632
	Brake Pump	BP-1
	Hydraulic Valve	065060
	Master Cylinder (Air over hydraulic applications only)	12466
	Calipers (front only)	
	Varga 2.874" system (Right)	2284-5
	Varga 2.874" system (Left).....	2283-7
	Parking Brake	101H
	Lucas Brake System (by shoe size & rear axle weight)	
	15x7 (17.5, 22M) w/ 1-3/4" system	
	Adjusting Cylinder (R / L)	201184R / 201183R
	Parking Cylinder (R / L).....	201180R / 201179R
	Back Plate Assy. w/ 7" shoes (R / L)	202271R / 202272R
	Back Plate Assy. w/out shoes (R / L)	203261R / 203262R

Note: When servicing a single axle vehicle equipped with 1-5/8" cylinders it is possible to convert that system to 1-3/4" cylinders providing the **complete axle system** is replaced at the same time. Both left and right wheel and expander cylinders must be changed when upgrading to retain balanced and equal brake applications.

FORD

Year	Application	Part#
------	-------------	-------

F & FT SERIES

2012-03	F650 / F750	Hydromax.....2772181 Pump & Motor (stud type)2771320 or (w/wire & connector) 2771494 Brake Pump BP-1 Hydraulic Valve065060 Master Cylinder (50.80 mm bore) 12379 Calipers w/ 6M to 7.5M FA, Bosch system front & rear55849 Calipers w/ 8 to 12M FA, Bosch system front & rear55850
2006-97	F600/ 6000, F700/ 7000 & F800/ 8000	Hydromax.....2772181 Pump & Motor (stud type)2771320 or (w/wire & connector) 2771494 Brake Pump BP-1 Hydraulic Valve065060 Master Cylinder (50.80 mm bore) 12379 Calipers (front only) w/ 6M to 7.5M FA, Dayton 2.50" system55251 w/ 8 to 12M FA, Dayton 2.88" system55252 Parking Brake 101H
2002-99	F650 / F750	Hydromax.....2772181 Pump & Motor (stud type)2771320 or (w/wire & connector) 2771494 Brake Pump BP-1 Hydraulic Valve065060 Master Cylinder (50.80 mm bore) 12379 Dayton 4 Piston Caliper, front <i>refer to pages 3-8, 9 for correct part#</i> Dayton 2.50" system55251

FORD

Year	Application	Part#
------	-------------	-------

F & FT SERIES CONTINUED

1997-84	F600/ 6000, F700/ 7000 & F800/ 8000	Hydromax (casting# 2771371)..... 2770255 Pump & Motor (stud type)..... 2771320 or (w/wire & connector)..... 2771494 Brake Pump BP-1 Hydraulic Valve 065060 Master Cylinder (44.45) mm bore) (96-92 only)..... 12632 91-84 only 11999 Calipers (front only)..... w/ 6M to 7.5M FA, Dayton 2.50" system 55251 w/ 8 to 12M FA, Dayton 2.88" system 55252 Parking Brake 101H Lucas Brake System (by shoe size & rear axle weight) 15x5 (12, 15M) w/ 1-5/8" system Adjusting Cylinder (R / L) 201186R / 201185R Parking Cylinder (R / L)..... 201182R / 201181R Back Plate Assy. w/ 5" shoes (R / L)202249R / 202250R Back Plate Assy. w/out shoes (R / L)203249R / 203250R 15x6 (17, 17.5, 19M) & 15x7 (17.5, 18.5, 22M) w/ 1-3/4" system Adjusting Cylinder (R / L) 201184R / 201183R Parking Cylinder (R / L)..... 201180R / 201179R Back Plate Assy. w/ 6" shoes (R / L)202261R / 202262R Back Plate Assy. w/ 7" shoes (R / L)202271R / 202272R Back Plate Assy. w/out shoes (R / L)203261R / 203262R
1983-80	F600/ 6000, F700/ 7000 & F800/ 8000	Hydromax (casting# 2771371)..... 2770255 Pump & Motor (stud type)..... 2771320 or (w/wire & connector)..... 2771494 Brake Pump BP-1 Master Cylinder Single System (one port plugged)..... 11909 Split System (All F6 & '83' F7-8 models)..... 11992 Split System ('82-80' F7-8 models only) 11909
1983-76	F600-800 w/ single system Master Cylinder and gas engine	Hydrovac..... 2512138
1980-77	F800 w/ split system Master Cylinder	Hydrovac, front..... 2512139 Hydrovac, rear 2512141
1979-71	F600-750 w/ split system Master Cylinder	Hydrovac, front..... 2512140 Hydrovac, rear 2512139

Note: When servicing a single axle vehicle equipped with 1-5/8" cylinders it is possible to convert that system to 1-3/4" cylinders providing the **complete axle system** is replaced at the same time. Both left and right wheel and expander cylinders must be changed when upgrading to retain balanced and equal brake applications.

FORD

Year	Application	Part#
------	-------------	-------

F & FT SERIES CONTINUED

1977-68	F500-750 w/ firewall mounted booster Midland Booster C4084E Master Cylinder Single system.....C3507SB Split system.....C3500SF	
1976-72	F500-700 w/ single system Master Cylinder Hydrovac..... 2511170	
1973-68	F600-850 w/ split system Master Cylinder Duo-Vac 2509140	
1971-62	F500-900 FT, FTS800-900 w/ single system Master Cylinder Hydrovac..... 2512140	
1971-62	F700-850 w/ single system Master Cylinder Hydrovac..... 2509426	
1968-63	F500-700 w/ 11-5/8" firewall mounted booster Midland Boosterw/ metal hub..... C4028A w/ plastic hub (67 only)C4044D Master Cylinder C3472SD	
1968-63	F500-700 w/ 9-1/2" firewall mounted booster Midland Booster (w/ metal hub) C4030B Master Cylinder..... C3472SD	
1967-62	F500-750 w/ single system Master Cylinder Hydrovac (light duty)..... 2503259	
1967-62	F800-850, FT750-850 w/ single system Master Cylinder Hydrovac, front (slave unit)..... 2501424 Single Piston Hydrovac, rear 2509426	
1967-54	F700-750 w/ optional air over hydraulic system Air-pac..... 2500690	
66-48	F700-800 Single Piston Hydrovac..... 374980	
63-52	F500-600 Midland HypowerC462C	
59-53	F700-900 Guided Piston Hydrovac 375278	
59-50	F700-800 Guided Piston Hydrovac 375279	

FORD

Year	Application	Part#
------	-------------	-------

L & LN SERIES

2012-97	L, LN600/6000, L, LN700/ 7000 & L, LN800/ 8000	Hydromax.....2772181 Pump & Motor (stud type).....2771320 or (w/wire & connector) 2771494 Brake Pump BP-1 Hydraulic Valve 065060 Master Cylinder (50.80 mm bore) 12379
1997	LN700/7000	Booster2772181 Calipers, Front (Dayton 2.50" TP)..... 55251 or (Dayton 2.88" TP) 55252
1997	LN800/ 8000	Calipers, Front (Dayton 2.50" TP)..... 55251 or (Dayton 2.88" TP) 55252
1996-84	L800/ 8000, LN600/ 6000, LN700/ 7000 & LN800/ 8000	Hydromax (casting# 2771371).....2770255 Pump & Motor (stud type).....2771320 or (w/wire & connector) 2771494 Brake Pump BP-1 Hydraulic Valve 065060 Master Cylinder (44.45) mm bore) (96-92 only)..... 12632 91-84 only 11999 Calipers (front only) w/ 6M to 7.5M FA, Dayton 2.50" system 55251 w/ 8M to 12M FA, Dayton 2.88" system 55252 Parking Brake 101H Lucas Brake System (by shoe size & rear axle weight) 15x5 (12, 15M) w/ 1-5/8" system Adjusting Cylinder (R / L) 201186R / 201185R Parking Cylinder (R / L)..... 201182R / 201181R Back Plate Assy. w/ 5" shoes (R / L)202249R / 202250R Back Plate Assy. w/out shoes (R / L)203249R / 203250R 15x6 (17, 19M) & 15x7 (17.5, 18.5, 22M) w/ 1-3/4" system Adjusting Cylinder (R / L) 201184R / 201183R Parking Cylinder (R / L)..... 201180R / 201179R Back Plate Assy. w/ 6" shoes (R / L)202261R / 202262R Back Plate Assy. w/ 7" shoes (R / L)202271R / 202272R Back Plate Assy. w/out shoes (R / L)203261R / 203262R

Note: When servicing a single axle vehicle equipped with 1-5/8" cylinders it is possible to convert that system to 1-3/4" cylinders providing the **complete axle system** is replaced at the same time. Both left and right wheel and expander cylinders must be changed when upgrading to retain balanced and equal brake applications.

FORD

Year	Application	Part#
------	-------------	-------

L & LN SERIES CONTINUED

1983-73	L800 w/ single system Master Cylinder Hydrovac.....	2512138
1983-71	L800-900 & LN600-800 w/ split system Master Cylinder Hydrovac, front axle..... Hydrovac, rear axle (after s/n GG5,001) (83-80 only)..... Hydrovac, rear axle (before s/n GG5,001) (80-71 only).....	2512139 2512141 2512140
1983-70	LN500-LN700, LN6000-LN7000 w/ firewall mounted booster Midland Booster..... Master Cylinder Single system..... Split system.....	C4084H C3507SB C3500SF
1980-77	LN800 w/ single system Master Cylinder, before s/n GG5,001 Hydrovac.....	2512138
1976-72	LN800 w/ single system Master Cylinder Hydrovac.....	2511170

FORD

Year	Application	Part#
------	-------------	-------

LNT-LT-LTS SERIES

1995-84	LNT, LT, LTS800/ 8000 Tandem Axle Hydromax 95-92 (casting# 2771209) 2770256 91-84 (casting# 2771371) 2770255 Pump & Motor (stud type) 2771320 or (w/wire & connector) 2771494 Brake Pump BP-1 Hydraulic Valve 065060 Master Cylinder for Bendix 2770256 (w/ 2" bore) 11995 for Bendix 2770255 (91-84 only) (w/ 1-3/4" bore) 11999 Calipers (front, rear w/ out Lucas system) w/ 6M to 7.5M FA, Dayton 2.50" system 55251 w/ 8M to 12M FA, Dayton 2.88" system 55252 Parking Brake 101H Lucas Brake System (by shoe size & rear axle weight) 15x7 (34M) w/ 1-5/8" tandem system Adjusting Cylinder (R / L) 201186R / 201185R Parking Cylinder (R / L) 201182R / 201181R Back Plate Assy. w/out shoes (R / L) 203249R / 203250R	
1983-73	LNT800, LT, LTS800-900 w/ single system Master Cylinder Tandem Hydrovac 2512142	
1983-80	LNT800; LT, LTS800-900 w/ split system Master Cylinder Hydrovac, front axle 2512139 Hydrovac, rear axle, after s/n GG5,001 (83-80 only) 2512141 Hydrovac, rear axle, before s/n GG5,001 (80-71 only) 2512140	

Note: When servicing a single axle vehicle equipped with 1-5/8" cylinders it is possible to convert that system to 1-3/4" cylinders providing the **complete axle system** is replaced at the same time. Both left and right wheel and expander cylinders must be changed when upgrading to retain balanced and equal brake applications.

FORD

Year	Application	Part#
------	-------------	-------

MISCELLANEOUS MODELS

1980-73	M450-500 Motor Home w/ split system Master Cylinder Hydrovac (2 units required).....	2512140
1979-78	P600 Hydrovac.....	2512140
1971-70	Various models Single Piston Hydrovac.....	2508177
1971-68	Various models Tandem Hydrovac.....	2507224
1967-62	DNT850 (uses 2 different units) Hydrovac, front axle (slave unit) Single Piston Hydrovac, rear axle.....	2501424 2509426
1966-53	Various models, 9.5 to 16M GVW FIU Single Piston Hydrovac.....	2500397
1964-47	79T, 79TH, 79W, 79WH, 794T Single Piston Hydrovac.....	379474
1963-52	P500-600 Midland Hypower	C462C
1962-51	Various models Single Diaphragm Hydrovac	2501001
1960-59	Various models Single Piston Hydrovac.....	379474
1959-53	T700, C, F900 Guided Piston Hydrovac	375278
1959-50	F700-800 Guided Piston Hydrovac	375279

FORD

Year	Application	Part#
------	-------------	-------

N SERIES

1977-68	N500-750 w/ firewall mounted booster	
	Midland Booster	C4084E
	Master Cylinder	
	Single system.....	C3507SB
	Split system.....	C3500SF
1973-68	N600-850, N6000-7000 w/ split system Master Cylinder	
	Duo-Vac	2509140
1971-62	N500-900, N6000 w/ single system Master Cylinder	
	Single Piston Hydrovac.....	2512140
1971-62	N800-850 w/ single system Master Cylinder	
	Single Piston Hydrovac.....	2509426
1968-63	N500-700 w/ 11-5/8" firewall mounted booster	
	Midland Booster (w/ metal hub)	C4028A
	Master Cylinder	C3472SD
1968-63	N500-700 w/ 9-1/2" firewall mounted booster	
	Midland Booster (w/ metal hub)	C4030B
	Master Cylinder	C3472SD
1967-62	N500-750 & N6000-7000 w/ single system Master Cylinder	
	Hydrovac, (light duty)	2503259
1967-62	N850-900 w/ single system Master Cylinder, (uses 2 different units)	
	Hydrovac, front axle (slave unit)	2501424
	Single Piston Hydrovac, rear axle.....	2509426

FREIGHTLINER

Year	Application	Part#
------	-------------	-------

BUSINESS CLASS TRUCKS

2004-03	Sprinter 2500	Calipers, Front (ATE 52mm SP)..... 56534(L) 56535(R)	
		Calipers, Rear (ATE 52mm SP) 56536(L) 56537(R)	
2004-02	Sprinter 2500	Calipers, Front (ATE 52mm SP)..... 56534(L) 56535(R)	
		Calipers, Rear (ATE 52mm SP) 56536(L) 56537(R)	
		Calipers, Front (Bosch 45mm SP) 56540(L) 56541(R)	
		Calipers, Rear (Bosch 52mm SP) 56538(L) 56539(R)	
2002	Sprinter 2500	Calipers, Rear (ATE 52mm SP) 56536(L) 56537(R)	
2004-02	Sprinter 3500	Calipers, Rear (Bosch 45mm SP) 56542(L) 56543(R)	
		Calipers, Rear (Bosch 52mm SP) 56540(L) 56541(R)	
		Calipers, Rear (Bosch 45mm SP) 56542(L) 56543(R)	
		Calipers, Front (Bosch 45mm SP) 56540(L) 56541(R)	
		Calipers, Front (Wabco 44mm TP)..... 56544(L) 56545(R)	
		Calipers, Rear (Wabco 44mm TP) 56546(L) 56547(R)	
2012-05	FL60, 70 & MB60, 70 Models	Hydromax (casting# 2772114)2772181	
		Pump & Motor2771320	
		Master Cylinder (50.80 mm bore)2234934	
2004-00	FL50, 60, 70 & MB60, 70 Models	Hydromax (casting# 2772114)2772181	
		Pump & Motor2771320	
		Master Cylinder (50.80 mm bore)2234934	
		Calipers (73mm).....55850	
		Calipers (66mm).....55849	
		Calipers (2.88) w/Air Ride Suspension55656	
		Calipers (2.60) w/Air Ride Suspension55313	
		Parking Brake 101A	
1999-92	FL60, 70 & MB60, 70 Models	Hydromax (casting# 2772114)2772181	
		Pump & Motor2771320	
		Master Cylinder (50.80 mm bore)2234934	
		Calipers w/ air suspension	
		Bendix 2.60" system (front & rear)55717	
		Bendix 2.88" system (front & rear)55656	
		Parking Brake 101A	
2004	Motor home Workhorse W-22	Master cylinder.....2234934	
2002	Motor home Workhorse W-22	Caliper Rear55849	

Note: FL, FL70 w/Ambulance package requires 55313CB (cut boss) on rear for air bag clearance. See page 3-3.

HINO, IH, ISUZU

Year	Application	Part#
------	-------------	-------

HINO

2008-2005	185 Series, 238 Series, 258LP Series, 268 Series Calipers	S60450601
-----------	--	-----------

INTERNATIONAL HARVESTER

1 TON

1975-73	1310 Master-vac	2510874
1975-72	Motor home Master-vac	2510947
1972-69	1300-1310 Master-vac	2510999
1968-67	D1300 Master-vac	2508400
1966-53	Various models, 9M to 16M GVW FIU Single Piston Hydrovac	2500397

ISUZU MEDIUM DUTY

2006-2004	FTR Series Calipers	S60450601
1999-87	Isuzu Medium Duty Truck Calipers FSR, FTR, FVR.....	55251

Also: Navistar listings beginning on page 1-63

MACK TRUCK

Year	Application	Part#
MISCELLANEOUS APPLICATIONS		
1994-81	Midliner series CS200 (Conventional) & MS200 (Cab Over)	
	Air / Hydraulic Cylinder.....	R & R
	Calipers (front only) Bendix 2.88" system	55250
1967-60	Various models w/ air over hydraulic clutch assist	
	Mini-Pac	2502702
1966-57	B-D421S	
	Tandem Piston Hydrovac	374230
1966-46	20, 22, 3000T, 3022PLT and various other models	
	Tandem Piston Hydrovac	374300
1966-46	3014	
	Single Piston Hydrovac	379474
1964-57	B30K-P-T, B34B	
	Single Piston Hydrovac	374750
1964-57	D30P, D42P	
	Tandem Piston Hydrovac	374229
1962	Various models	
	Air-Pac	375844
1962	Various models	
	Single Diaphragm Hydrovac	2500517
1961-58	Various models	
	Air-Pac	2500690
1959-57	B20P, D20P	
	Single Diaphragm Hydrovac	2500517
1959-50	Various models	
	Air-Pac	2500695
1959-49	14, 16, 18, 3014, 3015, 3016, 3018 and various other models	
	Single Piston Hydrovac	374980
1959-49	16, 18, 20, 3022, 3026, 9000T and various other models	
	Single Piston Hydrovac	375278
1959-49	20, 22, 26, 28, 3020, 3022 and various other models	
	Tandem Piston Hydrovac	374230
1949-47	EE, EF	
	Single Piston Hydrovac	374980

NAVISTAR

Year	Application	Part#
1000 SERIES		
2007-97	452FC, 1652FC Forward Control (14.8 to 20.5M GVW) Includes Models 1154FC, M1400, & 1600 (90-87 only)	
	Bendix Hydromax (casting#2772114)	2772181
	Pump & Motor (stud type)	2771320
	or (w/wire & connector)	2771494
	Master Cylinder (50.80 bore)	12379
	Calipers (2005) Front & Rear	55849
1997-88	1600, 1700, 1800, 1900 Various applications	
	Calipers	55250
1996-87	1452FC, 1652FC Forward Control (14.8 to 20.5M GVW) Includes Models 1154FC, M1400, & 1600 (90-87 only)	
	Bendix Hydromax (Casting# 2771424)	2770454
	Pump & Motor (w/wire & connector).....	2771494
	Master Cylinder (UPS only).....	12339
	All other models (50.80 bore).....	12379
	Calipers (by axle weight)	
	6-12M FA & 13.5-17.5M RA	
	Bendix 2.60" system (front & rear)	55314
	Bendix 2.88" system (front & rear)	55250
	6-12M FA & 13-17.5M RA	
	Bendix 3.38" system (front only) (R / L).....	55099(L) 55098(R)
	Bendix 2.60" system (rear only)	55314
	Bendix 2.88" system (rear only)	55250
1987	1652SC (17.5 to 24M GVW)	
	Delco Hypower	18003998
	Pump & Motor	18006974
	Master Cylinder	
	w/ 2" bore (Casting#2230605).....	11994
	w/ 1-3/4" bore (Casting# 2230600).....	12000
	Calipers (by axle weight)	
	101 FA & 29, 39 RA (front & rear)	
	Bendix 2.60" system (steel pistons)	55245
	Bendix 2.60" system (phenolic pistons).....	55314
	71, 73 FA & 29, 39 RA	
	Bendix 3.38" system (front only) (R / L)	55099(L) 55098(R)
	Bendix 2.88" system (rear only)	55250
1978-68	1600, 1610, 1700, 1703, 1800 School Bus	
	Bendix Hydrovac w/ split M.C. (2 units required)	2512059
	w/ 3 bolt Master Cylinder.....	2512076
	w/ 4 bolt Master Cylinder.....	2512061
1982-56	1600, 1700, 1800 Series	
	Master Cylinder (w/ 3 bolt mount)	F661CV

NAVISTAR

Year	Application	Part#
------	-------------	-------

1000 SERIES CONTINUED

1977-69	1603, 1703 School bus	
	Midland Booster	C4084C
	Midland Master Cylinder.....	C3500SE
1977-68	1500 Series	
	Midland Booster	C4044K
	Midland Master Cylinder.....	C3510SX
1966-50	500 Series	
	Master Cylinder	F661CV
1964-56	1400 Series	
	Master Cylinder	F661CV
1966-50	1500 Series	
	Master Cylinder	F661CV
1963-50	1600 Series	
	Master Cylinder	F661CV
1963-58	1700 Series	
	Master Cylinder	F661CV

3000 SERIES

2007-1996	3600, SC, 3700, 3800, 3900, FC School Bus (23.5 to 32M GVW)	
	Bendix Hydromax (casting# 2772114)	2772181
	Pump & Motor (stud type)	2771320
	or (w/wire & connector)	2771494
	Master Cylinder (50.80 bore)	12379
	Calipers 66mm Bosch front & rear	55849
	Calipers 73mm Bosch front & rear	55850
1997-90	3600, SC, 3700, 3800, 3900, FC School Bus (23.5 to 32M GVW)	
	Bendix Hydromax (Casting# 2771424)	2770454
	Pump & Motor (w/wire & connector).....	2771494
	Master Cylinder (50.80 bore)	12379
	Calipers (by axle weight)	
	6-12M FA & 13.5-21M RA (front & rear)	
	Bendix 2.60" system.....	55314
	Bendix 2.88" system.....	55250
	6M FA & 13-21M RA	
	Bendix 3.38" system (front only).....	55098(L) 55099(R)
	Bendix 2.60" system (rear only)	55314
	Bendix 2.88" system (rear only)	55250

NAVISTAR

Year	Application	Part#
------	-------------	-------

4000 SERIES

2007-1997	4600, LP, UH, 4700, LP, 4800, 4900 (21.5 to 46M GVW)	Bendix Hydromax (casting# 2772114) 2772181 Pump & Motor (stud type) 2771320 or (w/wire & connector) 2771494 Master Cylinder (50.80 bore) 12379 Calipers 66mm Bosch front & rear 55849 Calipers 73mm Bosch front & rear 55850
1996-90	4600, LP, UH, 4700, LP, 4800, 4900 (21.5 to 46M GVW)	Bendix Hydromax (Casting# 2771424) 2770454 Pump & Motor 2771494 Master Cylinder (50.80 bore)..... 12379 Calipers (by axle weight) 8-12M FA & 13.5-30M RA Bendix 2.60" system (front & rear) 55314 Bendix 2.60" system (4600UH model, w/ air suspension, rear only).... 55313 Bendix 2.88" system (front & rear) 55250 Bendix 2.88" system (w/ air suspension, rear only)..... 55656 6-12M FA & 15.5-30M RA Bendix 3.38" system (front only) 55099(L) 55098(R) Bendix 2.60" system (rear only) 55314 Bendix 2.88" system (rear only) 55250

7000 SERIES

2007-1997	4600, LP, UH, 4700, LP, 4800, 4900 (21.5 to 46M GVW)	Bendix Hydromax (casting# 2772114) 2772181 Pump & Motor (stud type) 2771320 or (w/wire & connector) 2771494 Master Cylinder (50.80 bore) 12379 Calipers 66mm Bosch front & rear 55849 Calipers 73mm Bosch front & rear 55850
1996-90	7100 Model (27 to 35M GVW)	Bendix Hydromax (casting# 2771424) 2770454 Pump & Motor (w/wire & connector)..... 2771494 Master Cylinder (50.80 bore)..... 12379 Calipers (front & rear, unless noted) Bendix 2.60" system (w/ phenolic pistons) 55314 Bendix 2.88" system..... 55250 Bendix 3.38" system (w/ 6M, front axle only) 55098(L) 55099(R)

NAVISTAR

Year	Application	Part#
------	-------------	-------

FLEETSTAR SERIES

1980-68	F1800 thru F2050A Models (25.5 to 46M GVW)	
	Delco Hypower (80-77 only).....	18003998
	Pump & Motor	18006974
	Master Cylinder- Disc Brakes (Delco system only)	11908
	Master Cylinder- Drum Brakes (Delco system only)	11910
	Bendix Tandem Hydrovac	2513493
	Master Cylinder (80-73 only) Casting# FE1575	F2951

CARGOSTAR SERIES

1986-84	C01650B thru C01850B (17.5 to 46M GVW)	
	Bendix Hydromax (Casting# 2771209)	2770256
	Pump & Motor (w/wire & connector).....	2771494
	Master Cylinder	11994
	Calipers (by axle weight)	
	103 FA & 30, 39, 42, 187, 199 RA (front & rear)	
	Bendix 2.60" system (w/ steel pistons).....	55245 or
	Bendix 2.60" system (w/ phenolic pistons)	55314
	309, 329, 339 FA & 39, 42, 44, 47, 57, 119, 186,	
	187, 193, 199 RA (front & rear) Bendix 2.88" system.....	55250
1984-65	C01610A thru C01910B (17.5 to 46M GVW)	
	Bendix Hydrovac w/ 1-1/2" bore Master Cylinder.....	2512076
	Master Cylinder (3 bolt mount, Casting# FE2704)	F661CV
	Bendix Hydrovac w/ 1-3/4" bore Master Cylinder.....	2512061
	Master Cylinder (4 bolt mount, Casting# FE777)	F2842
	Single Piston Hydrovac (76-65) (w/ hyd. Code # 04012)	374750

LOADSTAR SERIES

1984-81	1600 thru 1800 Series	
	Bendix Hydrovac	2513494
1984-81	F1800, F1850, F1910A, F2010A, F2020A, F2050A Models	
	Bendix Tandem Hydrovac	2513491
	Master Cylinder (Casting# FE1575).....	F2951
1980-68	F1800, F1850, F1910A, F2010A, F2020A, F2050A Models	
	Bendix Tandem Hydrovac	2513493
	Master Cylinder (Casting# FE1575).....	F2951
1980-61	1600 thru 1890 Series, (includes School Bus & Forward Control Bus)	
	Bendix Hydrovac w/ 1-1/2" bore Master Cylinder.....	2512076
	Master Cylinder (3 bolt mount, Casting# FE2704)	F661CV
	Bendix Hydrovac w/ 1-3/4" bore Master Cylinder.....	2512061
	Master Cylinder (4 bolt mount, Casting# FE777)	F2842
	w/ split system M. C., (2 units required)	2512059

NAVISTAR

Year	Application	Part#
------	-------------	-------

LOADSTAR SERIES CONTINUED

1978-69	1600 Series	Bendix Hydrovac	2512060
1978-69	F1800 Tandem	Bendix Tandem Hydrovac (w/out 341 RA & DT466 engine).....	2513493
		Master Cylinder (Casting# FE1575).....	F2951
1971-62	1600 thru 1890 Series (includes F1700 Tandem)	Bendix Single Piston Hydrovac	374750
		Master Cylinder (Casting# FE777).....	F2842
1968-63	C01600 thru 1800 Tilt Cab	Bendix Hydrovac (w/ hyd. Code # 04011)	2512076
		Master Cylinder (Casting# FE2704).....	F661CV
		Single Piston Hydrovac (w/ hyd. Code # 04012).....	374750
		Master Cylinder (Casting# FE777).....	F2842

K SERIES

1949-41	Master Cylinder	F1251CV
---------	-----------------------	---------

S SERIES

1994-84	S1452 thru S1954; School Bus & Conventional Models (18 to 30M GVW)	Bendix Hydromax	2770454
		Pump & Motor	2771494
		Master Cylinder (2" bore)	11994
		Delco Dual Power System	
		Hydraulic section	18001047
		Vacuum Booster section.....	18003144
		Master Cylinder- Delco Dual Power system w/ RA44 or RA186 axles....	11993
		Master Cylinder- Delco Dual Power system, exc. RA44 or RA186 axles	12000
		Calipers (by axle weight)	
		Front axle code # 04145	
		Bendix 3.38" system (front only).....	55098(L) 55099(R)
		Front axle code # 04144 & rear axle code # 04237	
		Bendix 2.60" system (front or rear) (w/ steel pistons).....	55245
		Bendix 2.60" system (front of rear) (w/ phenolic pist.).....	55314
		Front axle code # 04146 & rear axle code # 04238	
		Bendix 2.88" system (rear and/or front).....	55250

NAVISTAR

Year	Application	Part#
------	-------------	-------

S SERIES CONTINUED

1984-78	S1624 thru S1954 Models (17.5 to 26M GVW)	Delco Hypower (83-79) (used w/ Disc Brake system) 18003998 Pump & Motor 18006974 Delco Hypower System (83-79)(w/ 2" bore) 11908 Delco Dual Power system 15" Vacuum booster 18003144 Hydraulic booster 18001047 Master Cylinder- Delco Dual Power System (1-3/4" bore, w/ Disc brakes) .. 11912 Master Cylinder- Delco Dual Power System (1-3/4" bore, w/ Drum brakes) . 11910 Hydrovac (1980 S1820 only)..... 2512141 Master Cylinder Casting# FE777) F2842 Calipers (front & rear) Bendix 3.38" system.....55098(L) 55099(R) Bendix 2.88" system (83-82 only)..... 55250 Bendix 2.60" system (81-79) (w/ steel pistons) 55245 Bendix 2.60" system (81-79) (w/ phenolic pistons) 55314
----------------	--	---

MISCELLANOUS MODELS

1983-73	S1624 thru S1954 & Tandem Models w/ Drum Brake System (17.5 to 30M GVW)	Delco Hypower 18003998 Pump & Motor 18006974 Master Cylinder (Delco system only) (w/ 2" bore) 11898 Bendix Hydrovac w/ 1-1/2" bore Master Cylinder..... 2512076 Master Cylinder (3 bolt mount, Casting# FE2704) F661CV Bendix Hydrovac w/ 1-3/4" bore Master Cylinder..... 2512061 Master Cylinder (4 bolt mount, Casting# FE777) F2842 Bendix Tandem Hydrovac 2513493
1976-73	1210-1510 Multi-Stop	Midland Booster C4044K Midland Master Cylinder..... C3510SA
1973-72	1500 Motor Home	Single Diaphragm Hydrovac.....2502119
1971-62	1500A, B, C, D	Single Diaphragm Hydrovac.....2502119
1971-49	L200, LF200, R200, RF190, RF200	Tandem Piston Hydrovac 374230
1971-45	LV-RF190, SF140 (30M GVW), SF180, VF190, COF190, ACF170-180, F1800-1850	Tandem Piston Hydrovac 374229
1967-64	1900-2000 w/ air over hydraulic clutch assist	Mini-Pac 2503566

NAVISTAR

Year	Application	Part#
------	-------------	-------

MISCELLANEOUS MODELS CONTINUED

1967-62	RF, VF190 (opt.) Air-Pac.....	2500690
1967-62	Various models Air-Pac.....	2503703
1967-56	A160/ 170/ 180, AC160/ 170/ 180 (opt.) Air-Pac.....	2500695
1967-50	L170, L & LC180, R & RC180, F185, S & SC160/ 170/ 180 Single Diaphragm Hydrovac.....	2500517
1966-53	Various models 9M to16M GVW FIU Single Piston Hydrovac	2500397
1965-62	Various models Single Piston Hydrovac	2502703
1965-62	Various models Hydrovac (3 line unit)	2504105
1965-60	Various metro models Single Piston Hydrovac	2500397
1965-51	Various models Air-Pac.....	375844
1962-49	L & LM150, L & LC160, LB161-162, R & RC160, RB161-162, S & SM130-160, AM13, AM130, A140-150, AM & AC160 Single Piston Hydrovac	379474
1959-56	CO-S180 Single Piston Hydrovac	374980
1959-50	L170-180, LC180, R170-180, F185, RC180, S160-180, SC160-180 Single Piston Hydrovac.....	375279

PLYMOUTH

Year	Application	Part#
------	-------------	-------

PLYMOUTH 1/2-TON VAN

1983-79	PB100, PB150 Van Master-vac	2513355
1978-74	PB100, PB150 Van Master-vac	2510764

PLYMOUTH 1/2-TON TRUCK

1983-80	PD100, PD150 2WD; PW100, PW150 4WD, Trail Duster Master-vac	2513294
1979	PD100, PD150 2WD; PW100, PW150 4WD, Trail Duster Master-vac w/ 2 bolt Master Cylinder w/ 4 bolt Master Cylinder	2513294 2512643
1978	PD100, PD150 2WD; PW100, PW150 4WD, Trail Duster Master-vac w/ 2 bolt Master Cylinder w/ 4 bolt Master Cylinder	2514023 2512643
1977-74	PD100, PD150 2WD; PW100, PW150 4WD, Trail Duster Master-vac w/ 2 bolt Master Cylinder w/ 4 bolt Master Cylinder	2510965 2512643

PLYMOUTH 3/4-TON VAN

1983-79	PB200, P2500 Van Master-vac	2513355
1978-74	PB200, P2500 Van Master-vac	2510764

PLYMOUTH 1-TON TRUCK

1983-82	PB300, PB350 Van Master-vac w/ gas engine & 3.6M FA w/ gas engine & 4.0M FA Hydroboost w/ diesel engine	2512838 2512839 2771030
1981-79	PB300, PB350 Van Master-vac w/ 3.6M FA Except 3.6M FA	2512838 2512839
78-74	PB300, PB350 Van Master-vac	2514023

STUDEBAKER

Year	Application	Part#
------	-------------	-------

STUDEBAKER TRUCK

1950-41	1 Ton Series	
	Master Cylinder	F681CV

THOMAS BUILT

2012-98	School Bus	
	Hydromax Casting# 2772114	2772181
	Pump & Motor	2771320
	Master Cylinder	12379
2005-04	School Bus	
	6K Front Axle	
	Calipers, front.....	55849
	10k - 12k Front Axle	
	Calipers, front.....	55850
	19K - 23K Rear Axle	
	Calipers, rear.....	55850
2003-02	School Bus	
	6K Front Axle	
	Calipers, front.....	S60050595
	10k - 12k Front Axle	
	Calipers, front.....	S60050595
	19K - 23K Rear Axle	
	Calipers, rear.....	S60050595
1998	School Bus	
	Calipers	S60050312
	S60050313

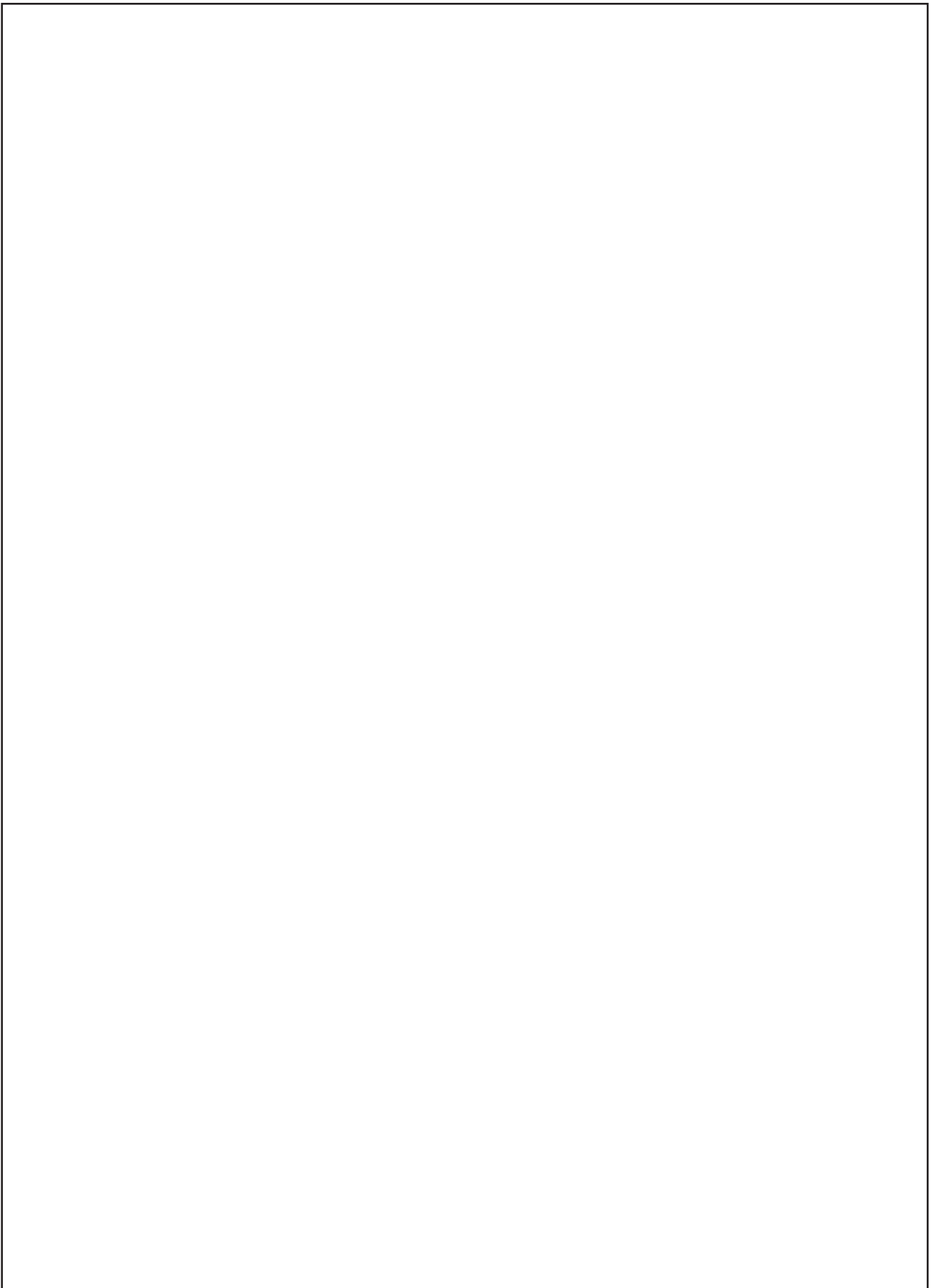
SECTION

2

VACUUM & HYDRAULIC COMPONENTS

Contents

Identification Aids	2-3
Air-Hydraulic Units: Bendix	2-4 to 2-55
Air-Hydraulic Units: Midland.....	2-6 to 2-7
Wagner Power Clusters	2-8
Hydrovac's: Bendix	2-9 to 2-11
Hydraulic Assisted Boosters: Bendix	2-12 to 2-15
Push Rod Kit.....	2-14
Hydraulic Assisted Boosters: Delco	2-16 to 2-17
Master Cylinders: Bendix	2-18
Master Cylinders: Midland	2-19 to 2-20
Master Cylinders	2-21
Hy-Powers & Boosters: Midland	2-24 to 2-26
Booster Identification Aids:.....	2-27
Boosters: Miscellaneous	2-28
Boosters: Light Duty Truck.....	2-29 to 2-30
Vacuum Pumps: Bendix.....	2-31
Vacuum Pumps: Lucas	2-32 to 2-33
Vacuum Pumps: Wabco.....	2-34
Kits: Miscellaneous	2-35



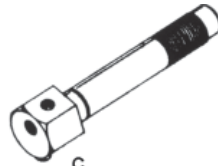
IDENTIFICATION AIDS



A.
END CAP
w/ out residual
check valve



B.
END CAP
with residual
check valve



C.
END CAP
w/ out residual
check valve



D.
END CAP
with residual
check valve



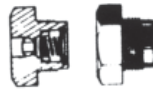
E.
END CAP
w/ out residual
check valve



F.
END CAP
with residual
check valve



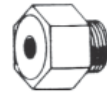
G.
END CAP
w/ out residual
check valve



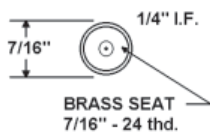
H.
END CAP
with residual
check valve



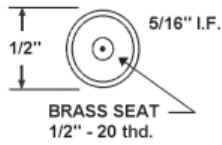
I.
END CAP
w/ out residual
check valve



J.
END CAP
with residual
check valve



BRASS SEAT
7/16" - 24 thd.



BRASS SEAT
1/2" - 20 thd.

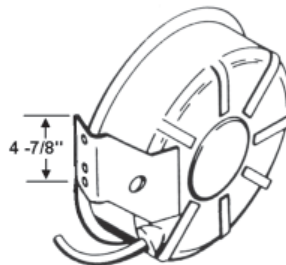


7/16" G
1/2" G
NO BRASS SEAT
SEALING RINGS
7/16" or 1/2" - 20 thd.

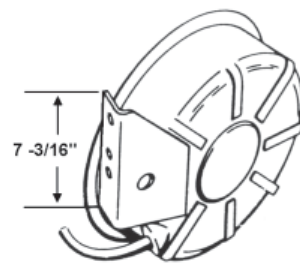
Requires adapter fitting of hose with copper gasket



MB-1



MB-2



MB-3



MB-4

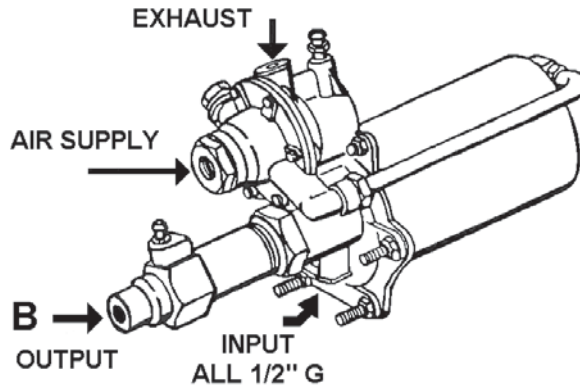


MB-5



MB-6

BENDIX AIR-HYDRAULIC UNITS



AIR-PAC TYPE 4

Part Number	Overall Length	B	End Cap
375844 ^{1,3}	23 $\frac{7}{8}$ "	$\frac{5}{8}$ " G	B
376440 ¹	17"	$\frac{5}{8}$ " G	B
2500685 ¹	17"	$\frac{5}{8}$ " G	B
2500690 ¹	17"	$\frac{1}{2}$ " G	B
2500695 ¹	23 $\frac{13}{16}$ "	$\frac{5}{8}$ " G	B
2503703	17 $\frac{5}{32}$ "	$\frac{5}{16}$ " IF	Not shown
2504183	19 $\frac{13}{16}$ "	$\frac{5}{16}$ " IF	B
2505516 ¹	19 $\frac{27}{32}$ "	$\frac{5}{16}$ " IF	B

MULTI-PAC TYPE 4

Part Number	Overall Length	B	End Cap
2500086 ^{1,2}	17"	$\frac{5}{8}$ " G	D
2500087 ^{1,2}	18 $\frac{3}{4}$ "	$\frac{5}{16}$ " IF	D
2501975 ¹	22 $\frac{3}{16}$ "	$\frac{5}{8}$ " G	D
2502061 ^{1,2}	19 $\frac{13}{16}$ "	$\frac{5}{16}$ " IF	Not shown

IF = Inverted Flare

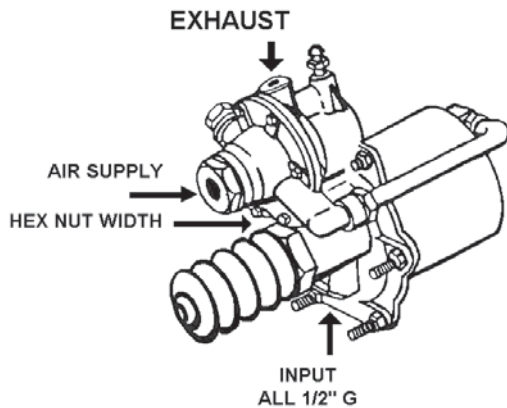
G = Gasket

NP = National Pipe Thread

¹ Unit has hydraulic residual pressure check valve.

² Three line unit.

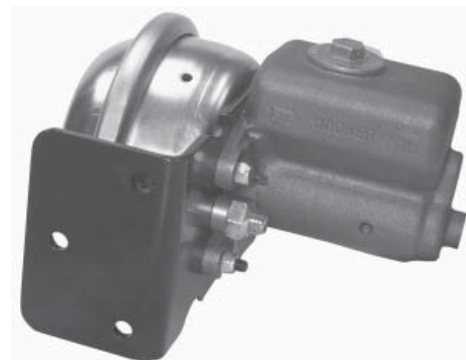
³ Double Check valve attached to top of unit.



MINI-PAC TYPE 4

Part Number	Overall Length	Hex Nut Width
2502702 ¹	8 $\frac{11}{32}$ "	$\frac{5}{16}$ "
2503566 ¹	8 $\frac{13}{16}$ "	$\frac{3}{4}$ "

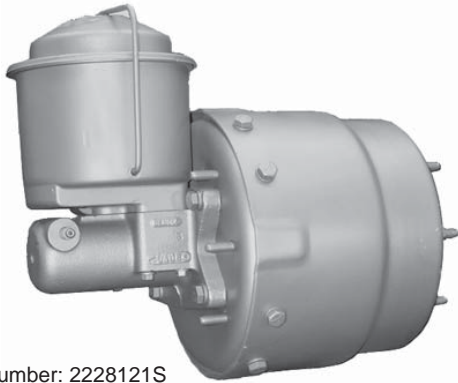
¹ Clutch assist unit.



AIR / HYDRAULIC BOOSTER

Part Number	Description
6510	1000 P.S.I new booster normally used for trailer brake applications. Typical unit shown. Call for your specific application.

BENDIX AIR-HYDRAULIC UNITS



Casting Number: 2228121S

AIR-HYDRAULIC INTENSIFIER (AH-4)

Part Number	Type	Dia.	
288856	36	8 ³ / ₁₆ "	
289542	50	9 ⁷ / ₁₆ "	
289542MO	50	9 ⁷ / ₁₆ "	MO=Mineral Oil only

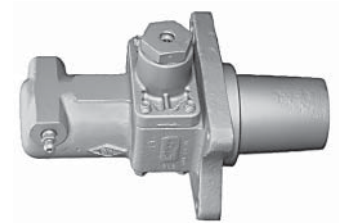


AH-4 AIR CHAMBER

Part Number	Type	Dia.
286757	36	8 3/16"
289517	50	9 7/16"



286746



286755



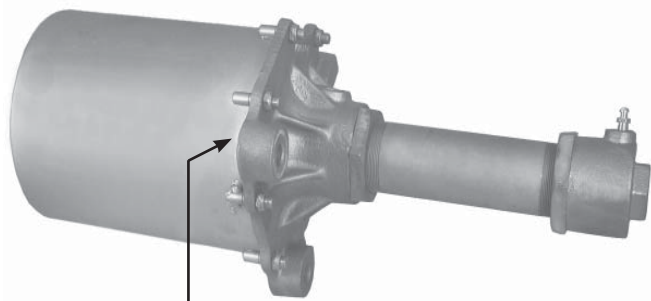
287069

AH-4 MASTER CYLINDER

Part Number	Type	Reservoir
286746	RH	w/reservoir (brake fluid)
288398	RH	w/reservoir (mineral oil)
286755	LH output port	w/remote reservoir (brake fluid)
287069	RH output port	w/remote reservoir (brake fluid)

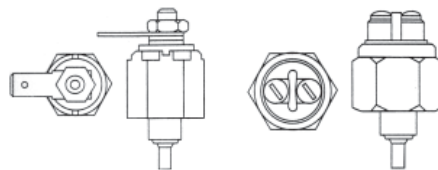
MIDLAND AIR-HYDRAULIC UNITS

Series I Pressure Converters



Note: Part number is normally indicated near the base of the can near the studs on the cast iron plate.

OVERSTROKE INDICATOR TYPE A TYPE B



Part# 101977R
Normally open ground
circuit switch

Part# 101977P
Normally closed ground
circuit switch

Part Number	Fluid Type ¹	Overall Length	Cyl. Dia. Air	Cyl. Dia. Hyd.	Switch Type ²	Hydraulic Outlet Port	Hydraulic Inlet Port ³
N4170F	B.F.	22.81"	6.75"	1.75"	—	½-20 Flare	¾-18 NPTF
N4170G	B.F.	28.23"	6.75"	1.75"	—	½-20 Flare	¾-18 NPTF
N4170L	B.F.	22.81"	6.75"	1.75"	A	½-20 Flare	¾-18 NPTF
N4170M	B.F.	28.23"	6.75"	1.75"	—	9/16-18 O'Ring	¾-18 NPTF
N4170R	B.F.	22.81"	6.75"	1.75"	A	9/16-18 O'Ring	¾-18 NPTF
N4174B	B.F.	22.81"	6.00"	1.75"	—	½-20 Flare	¾-18 NPTF
N4174E	B.F.	22.81"	6.00"	1.75"	A	½-20 Flare	¾-18 NPTF
N4174F	B.F.	22.81"	6.00"	1.75"	—	9/16-18 O'Ring	¾-18 NPTF
N4190A	B.F.	22.66"	6.75"	1.25"	A	½-20 Flare	¾-18 NPTF
N4190C	B.F.	28.20"	6.75"	1.25"	A	½-20 Flare	¾-18 NPTF
N4190E	B.F.	28.20"	6.75"	1.25"	A	9/16-18 O'Ring	¾-18 NPTF
N4194	B.F.	22.70"	6.00"	1.25"	A	½-20 Flare	¾-18 NPTF
N4194B	B.F.	18.69"	6.00"	1.25"	A	½-20 Flare	¾-18 NPTF
N4194D	B.F.	22.70"	6.00"	1.25"	A	7/16-20 O'Ring	¾-18 NPTF
N4194E	B.F.	22.70"	6.00"	1.25"	—	9/16-18 O'Ring	¾-18 NPTF
N4270	M.O.	22.81"	6.00"	1.75"	—	½-20 Flare	¾-18 NPTF
N4270C	M.O.	22.81"	6.00"	1.75"	—	9/16-18 O'Ring	¾-18 NPTF
N4270E	M.O.	22.81"	6.00"	1.75"	—	9/16-18 O'Ring	9/16-18 O'Ring
N4270F	M.O.	22.81"	6.00"	1.75"	A	½-20 Flare	¾-18 NPTF
N4274	M.O.	28.23"	6.75"	1.75"	—	9/16-18 O'Ring	¾-18 NPTF
N4274A	M.O.	22.81"	6.75"	1.75"	—	½-20 Flare	¾-18 NPTF
N4274B	M.O.	22.81"	6.75"	1.75"	—	¾-18 NPTF	¾-18 NPTF
N4274D	M.O.	22.81"	6.75"	1.75"	—	9/16-18 O'Ring	¾-18 NPTF
N4274E	M.O.	22.81"	6.75"	1.75"	A	½-20 Flare	¾-18 NPTF
N4274F	M.O.	17.09"	6.75"	1.75"	A	9/16-18 O'Ring	¾-18 NPTF
N4274K	M.O.	22.81"	6.75"	1.75"	A	9/16-18 O'Ring	¾-18 NPTF
N4274L	M.O.	28.23"	6.75"	1.75"	A	9/16-18 O'Ring	¾-18 NPTF
N4286A	M.O.	23.89"	6.00"	2.62"	B	7/8-14 O'Ring	9/16-18 O'Ring
N4286B	M.O.	17.87"	6.00"	2.62"	B	7/8-14 O'Ring	9/16-18 O'Ring
N4287	M.O.	23.56"	6.75"	2.62"	B	7/8-14 O'Ring	9/16-18 O'Ring
N4287A	M.O.	29.64"	6.75"	2.62"	B	7/8-14 O'Ring	9/16-18 O'Ring
N4287B	M.O.	29.64"	6.75"	2.62"	A	7/8-14 O'Ring	9/16-18 O'Ring
N4288	M.O.	22.52"	6.00"	2.00"	A	9/16-18 O'Ring	¾-18 NPTF
N4290A	M.O.	22.66"	6.75"	1.25"	A	½-20 Flare	¾-18 NPTF
N4290B	M.O.	28.20"	6.75"	1.25"	A	½-20 Flare	¾-18 NPTF
N4290C	M.O.	28.20"	6.75"	1.25"	A	9/16-18 O'Ring	¾-18 NPTF
N4290D	M.O.	28.20"	6.75"	1.25"	A	¾-18 NPTF	¾-18 NPTF
N4294	M.O.	22.70"	6.00"	1.25"	A	½-20 Flare	¾-18 NPTF
N4294B	M.O.	22.70"	6.00"	1.25"	—	9/16-18 O'Ring	¾-18 NPTF
N4294D	M.O.	22.70"	6.00"	1.25"	A	9/16-18 O'Ring	¾-18 NPTF
N4294E	M.O.	22.70"	6.00"	1.25"	—	9/16-18 O'Ring	9/16-18 O'Ring

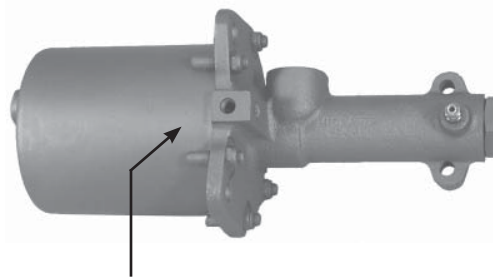
¹ Fluid type: B.F. = Brake Fluid; M.O. = Mineral Oil

² Switch Type = Electric Overstroke Indication switch (see above for illustration)

³ NPTF = National Pipe Thread Fitting

MIDLAND AIR-HYDRAULIC UNITS

Series II Pressure Converters

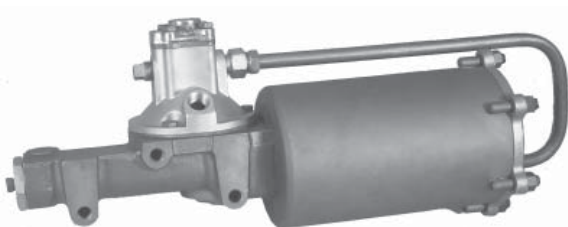


Note: Part number is normally indicated near the base of the can near the studs on the cast iron plate.

Part Number	Fluid Type ¹	Overall Length	Cyl. Dia. Air	Cyl. Dia. Hyd.	Switch Type ²	Hydraulic Outlet Port
N4185C	B.F.	17.19"	4.50"	1.125"	A	1/2-20 Flare
N4185E	B.F.	13.20"	4.50"	1.125"	A	1/2-20 Flare
N4185G	B.F.	13.20"	4.50"	1.125"	B	1/2-20 Flare
N4185J	B.F.	17.19"	4.50"	1.125"	A	1/2-20 UNF-2B
N4195A	B.F.	13.10"	4.50"	1.250"	A	5/8-18 Flare
N4195B	B.F.	13.10"	4.50"	1.250"	B	5/8-18 Flare
N4285	M.O.	17.19"	4.50"	1.125"	A	1/2-20 Flare
N4285A	M.O.	13.20"	4.50"	1.125"	A	1/2-20 Flare
N4295B	M.O.	17.19"	4.50"	1.250"	B	1/2-20 Flare
N4295D	M.O.	17.19"	4.50"	1.250"	A	9/16-18 O'Ring
N4295E	M.O.	17.19"	4.50"	1.250"	B	9/16-18 O'Ring

¹ B.F. = Brake Fluid M.O. = Mineral Oil
² Switch Type = Electric Overstroke Indication switch (for illustration see page 2-3)

Series III Pressure Converters: Call for specifications and availability.



Old Style Pressure Converters

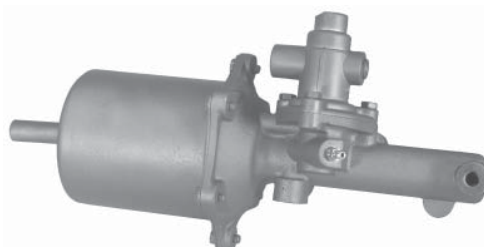
KN35010

Note: No residual Check Valve

KN35020

Residual Check Valve included

4 1/2" diameter air cylinder



Series IV Pressure Converters

KN35010A

Note: No residual Check Valve

KN35020A

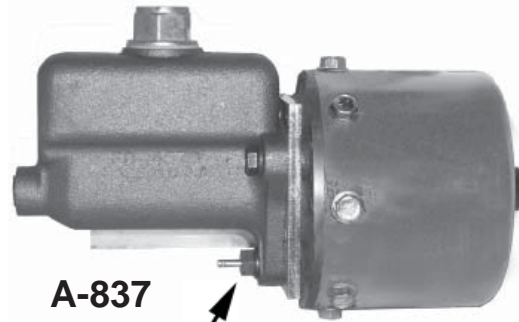
Requires external "screw-in"

check valve part# C13460AD

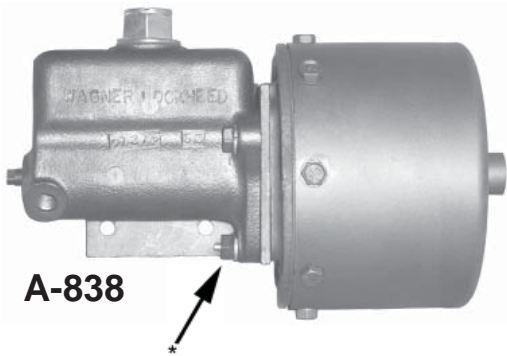
4 1/2" diameter air cylinder

WAGNER POWER CLUSTERS

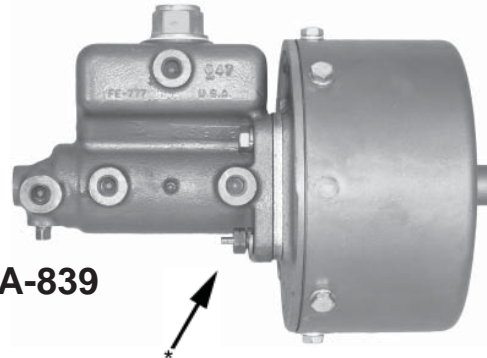
A-833
A-834
A-835
A-836



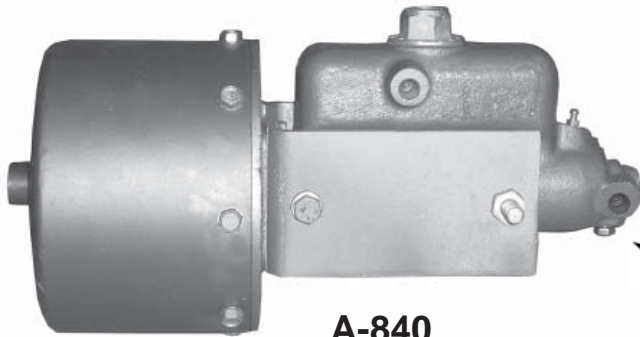
A-837



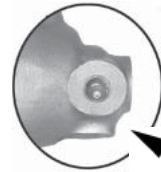
A-838



A-839



A-840



Plug**

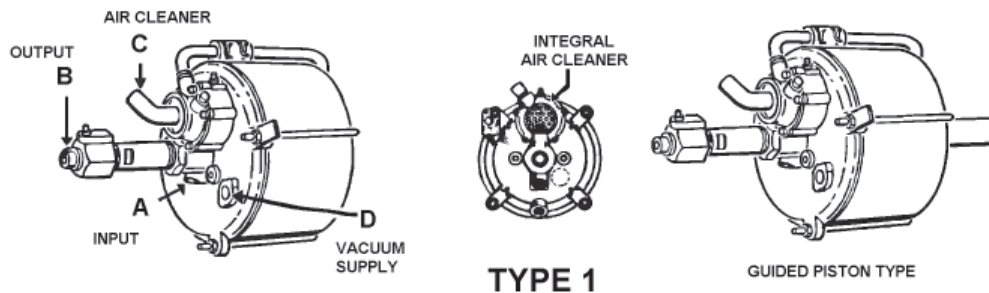
No plug**

Part Number	Master Cylinder Casting Number	Air Chamber Diameter	Air Chamber Length (can only)	Notes
A-833	n/a Chamber only	5"	4"	
A-834	n/a Chamber only	6"	4"	
A-835	n/a Chamber only	7"	4"	
A-836	n/a Chamber only	7"	5"	
A-837	FE4570	5"	4"	*w/stroke indicator
A-838	FE2704	6"	4"	*w/stroke indicator
A-839	FE777	7"	4"	*w/stroke indicator
A-840	FE1099	7"	5"	*w/stroke indicator
A-39562	FE1099	6"	5"	*w/stroke indicator
A-88862	FE1099	7"	5"	*w/stroke indicator

**With plug
**Without plug

Note: These units are made to function with brake fluid. Some units require hydraulic oil and are available by special order only.

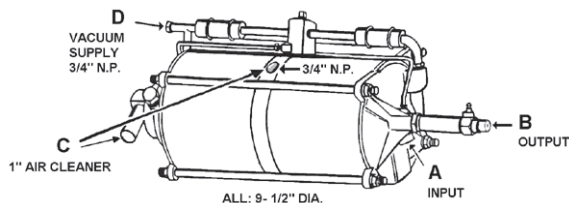
THIRD SERIES - SINGLE PISTON TYPE



Part Number	Dia.	O.A.L.	A	B	C	D	End Cap	Part Number	Dia.	O.A.L.	A	B	C	D	End Cap
373853 ¹	9 1/2"	17 5/16"	1/2"G	1/2"G	3/4"	1/2"NP	B	379474 ³	6 3/4"	14 1/2"	1/2"G	1/2"G	1/2"	3/8" NP	A or E
374550 ³	6 3/4"	11 3/16"	1/2"G	1/2"G	1/2"	3/8" NP	A	379900 ³	6 3/4"	10 7/8"	1/2"G	1/2"G	INT	3/8" NP	A
374750 ¹	9 1/2"	22"	1/2"G	1/2"G	3/4"	1/2"NP	B	2500397 ³	6 3/4"	14 3/4"	1/2"G	1/2"G	INT	3/8" NP	E
374980 ¹	9 1/2"	17 5/16"	1/2"G	1/2"G	3/4"	1/2"NP	B	2502703 ¹	9 1/2"	26 5/16"	1/4" IF	1/4" IF	3/4"	1/2"NP	D
375278 ^{1,2}	9 1/2"	26"	1/2"G	1/2"G	3/4"	1/2"NP	B	2508177 ¹	9 1/2"	23 5/16"	1/4" IF	1/4" IF	3/4"	1/2"NP	B
375279 ^{1,2}	9 1/2"	20 3/4"	1/2"G	1/2"G	3/4"	1/2"NP	B	2509426 ¹	9 1/2"	23 5/16"	1/2"G	1/2"G	3/4"	1/2"NP	B

¹ Unit has hydraulic residual pressure check valve. ² Guided piston type. ³ Vacuum supply port "D" is at 6 o'clock.

THIRD SERIES - TANDEM PISTON TYPE



Part Number	O.A.L.	A	B	End Cap
374229 ¹	29 1/2"	1/2"G	5/8"G	B
374230 ¹	35 3/8"	1/2"G	5/8"G	B
374300 ¹	26 5/8"	1/2"G	5/8"G	B
376658 ¹	28 3/4"	1/2"G	1 1/8"G	F
377839	30"	1/4" NP	1/4" NP	U
2500487	30"	1/4" NP	1/4" NP	B

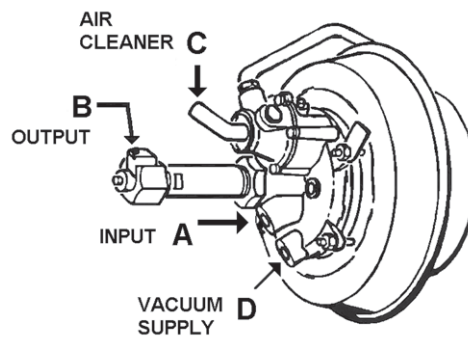
¹ Unit has hydraulic residual pressure check valve.

THIRD SERIES - SINGLE DIAPHRAGM TYPE

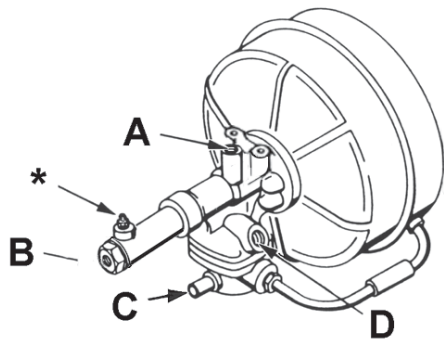
TYPE 3

Part Number	Dia.	Overall Length	A	B	C	D	End Cap
2500517	12 3/4"	16 1/2"	1/2" G	1/2" G	3/4"	3/8" NP	A
2500660	11"	12 1/2"	1/2" G	1/4" IF	1/2"	1/2" IF	CE
2501001 ¹	12 3/4"	17 7/8"	1/2" G	1/2" G	3/4"	3/8" NP	B
2502119	11"	12 1/2"	1/2" G	1/4" IF	1/2"	1/2" NP	E

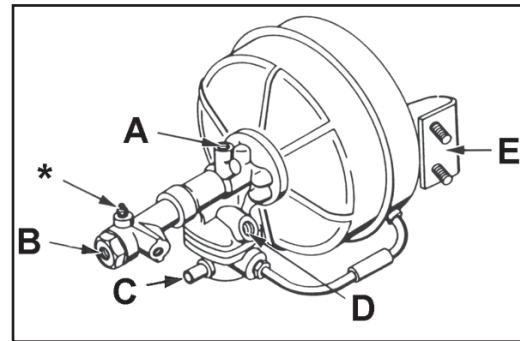
¹ Unit contains hydraulic residual pressure check valve.



BENDIX FOURTH SERIES - SINGLE DIAPHRAGM



Without mounting bracket



With mounting bracket See
bracket pictures on page 2-1.

TYPE 5

Part Number	Dia.	Approx. O.A.L.	A	B	C	D	E	End Cap
2501424 ^{1,2}	11 1/32"	14 3/4"	5/16" IF	1/4" IF				H
2503151	11 1/32"	16 1/8"	1/4" IF	5/16" IF	1/2"	1/2" IF	MB-6	G
2503259	11 1/32"	14"	5/16" IF	5/16" IF	3/4"	3/8" NP		H
2504102*	11 1/32"	16"	1/4" IF	BLANK	1/2"	1/2" IF	MB-6	
2504105 ^{4*}	12 3/4"	17 1/2"	1/2" G	1/8" NP	3/4"	1/2" NP		*5/16" IF H
*1/2"-20G								
2504113 ^{4*}	12 3/4"	17 1/2"	1/4" IF	5/16" IF	1/2"	1/2" IF	MB-1	H
2504187	11 1/32"	16 1/8"	1/4" IF	1/4" IF	1/2"	1/2" IF	MB-1	G
2510555 ³	11 1/32"	16 1/8"	1/4" IF	5/16" IF	1/2"	1/2" IF		H
2511170 ¹	12 3/4"	18 5/8"	1/4" IF	1/4" IF	3/4"	3/8" NP	MB-2	H
2512059 ¹	12 3/4"	17 1/8"	1/4" IF	7/16" G	3/4"	1/2" NP	MB-1	J
2512060 ¹	12 3/4"	17 7/8"	1/4" IF	7/16" G	3/4"	1/2" NP		J
2512061 ¹	12 3/4"	18 5/8"	1/2" G	1/2" G	3/4"	1/2" NP		J
2512062 ¹	12 3/4"	17 5/8"	1/4" IF	1/4" IF	1/2"	1/2" IF	MB-4	H
2512063	11 1/32"	16 1/8"	1/4" IF	5/16" IF	1/2"	1/2" IF	MB-5	H
2512065 ¹	12 3/4"	18 5/8"	5/16" IF	5/16" IF	1/2"	1/2" IF	MB-1	H
2512066 ¹	12 3/4"	18 5/8"	1/4" IF	1/4" IF	1/2"	1/2" IF	MB-1	H
2512076	12 3/4"	17 1/8"	1/2" G	1/2" G	3/4"	1/2" NP		G
2512138 ¹	12 3/4"	18 5/8"	1/4" IF	1/4" IF	3/4"	3/8" NP	MB-3	H
2512139 ¹	12 3/4"	18 5/8"	5/16" IF	5/16" IF	3/4"	1/2" NP	MB-2	H
2512140 ¹	12 3/4"	18 5/8"	5/16" IF	5/16" IF	3/4"	3/8" NP		H
2512141 ¹	12 3/4"	18 5/8"	5/16" IF	5/16" IF	3/4"	1/2" NP		H
2513494	12 3/4"	17 5/8"	5/16" IF	5/16" IF	3/4"	1/2" NP		G
2513813 ¹	12 3/4"	18 5/8"	5/16" IF	5/16" IF	3/4"	1/2" IF	MB-1	H
2513814 ¹	12 3/4"	18 5/8"	5/16" IF	5/16" IF	3/4"	1/2" IF	MB-1	H
2513815 ¹	12 3/4"	18 5/8"	1/4" IF	1/4" IF	3/4"	1/2" IF	MB-1	H

¹ This unit contains residual pressure check valve and must be used with master cylinder that does not have a residual pressure check valve.

² Slave unit (no control valve) 1/2" hose nipples in each shell.

³ Has 4 mtg. studs in center of rear shell.

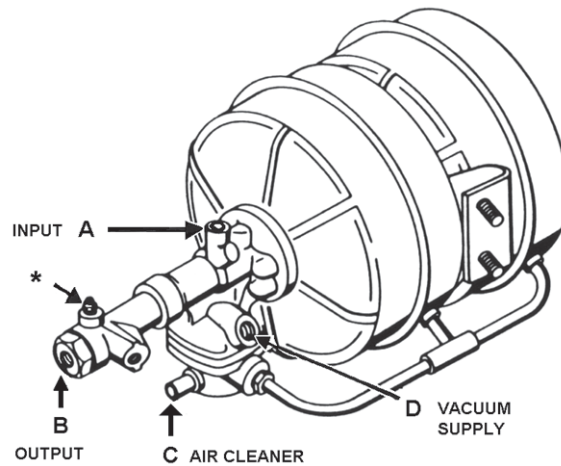
⁴ 3 line unit, "B" port connects to M.C. reservoir.

IF = inverted flare

G = Gasket

NP = National pipe thread

BENDIX FOURTH SERIES - TANDEM DIAPHRAGM



TYPE 6

12³/₄" Diameter, 24³/₄" overall length (approx.)

Part Number	A	B	C	D	End Cap
2504106 ²	1/4" IF	5/16" IF	3/4"	1/2" IF	H
2507224 ^{1,3}	5/16" IF	1/2" G	3/4"	1/2" NP	J
2512142 ¹	5/16" IF	1/4" IF	3/4"	1/2" NP	H
2513812 ¹	5/16" IF	5/16" IF	3/4"	1/2" IF	H
2513491 ^{1,4}	5/16" IF	1/2" G	1" or 3/4"	1/2" NP	J
2513493 ¹	5/16" IF	1/2" G	1" or 3/4"	1/2" NP	J

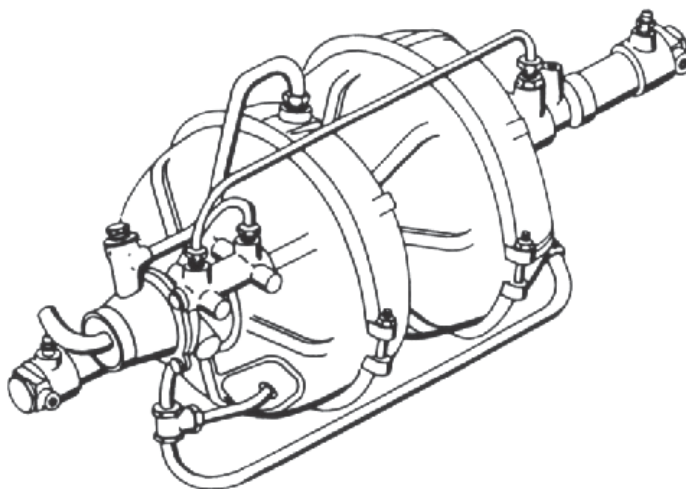
¹ Unit has hydraulic residual pressure check valve.

² Three line unit. * Is to wheels, B port connects to master cylinder reservoir.

³ Center mounting bracket is on opposite side of shell.

⁴ Center mounting bracket has slotted holes.

IF = Inverted Flare G = Gasket NP = National Pipe Thread



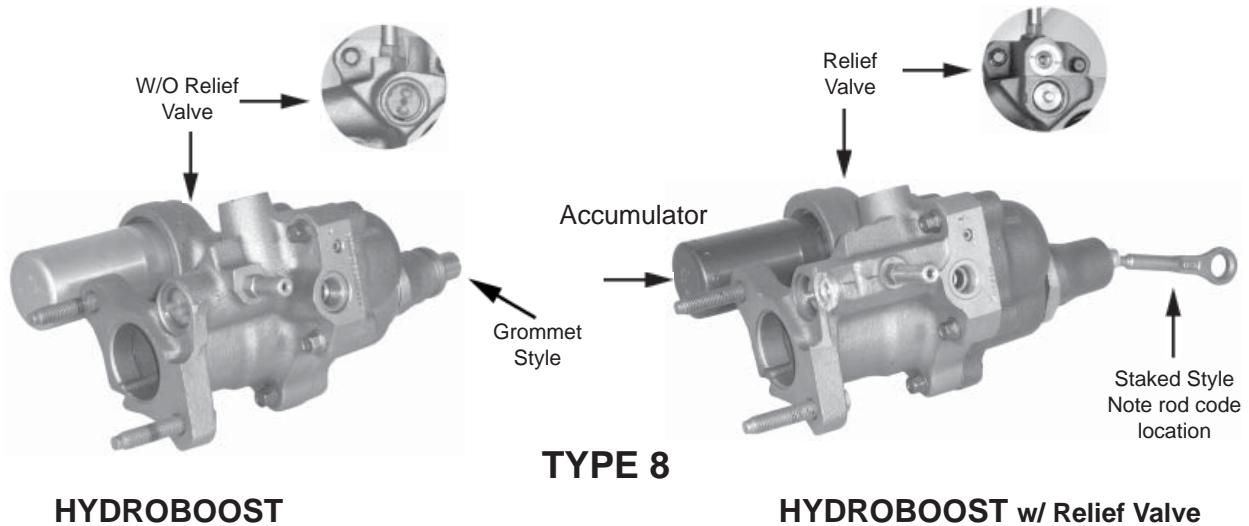
DUO-VAC

TYPE 7

2509140¹ Ford can use (2) 2512140

¹Both outputs contain Hydraulic residual pressure check valves.

BENDIX HYDROBOOST / HYDROBOOST II



Part Number	Inlet	Outlet	Accumulator	Input Piston Dia.	Pedal Rod Code	Relief Valve	Basic App.
2770200	M18x1.5	M16X1.5	INTERNAL (HB II)	0.600 Stk.	58 or 71181	no	GM (CHEV)
2770212	M18x1.5	M16X1.5	INTERNAL (HB II)	0.600 Stk.	71182	no	GM (OLDS)
2770223	M18x1.5	M16X1.5	Gold	0.781 Stk.	71236	no	GM Truck & Bus 1982P
2770224	M18x1.5	M16X1.5	Gold	0.688 Stk.	71237	no	GM Truck & Bus 1982 M.H.
2770225	M18x1.5	M16X1.5	BLUE OR SILVER	0.688 Stk.	71237	no	GM P Series
2770226	M18x1.5	M16X1.5	BLUE	0.688 Stk.	71237	no	
2770270	M18x1.5	M16X1.5	GOLD	0.600 Stk.	71235	no	GMC
2770317 ³	M18x1.5	M16X1.5	GOLD	0.600 Stk.	71217	no	GM
2770391	M18x1.5	M16X1.5	GOLD	0.600 Stk.	71346	no	GMC/CHEV
2770433	11/16-18 Str.	M16X1.5	BLUE OR SILVER	0.688 Stk.	71469	no	FORD H. D.
2770726	11/16-18 Inv.	M16X1.5	GOLD	0.781 G		no	DODGE
2770814	11/16-18 Inv.	M16X1.5	GOLD	0.545 G		no	GMC/CHEV
2770916	11/16-18 Inv.	M16X1.5	GOLD	0.781 G		no	GMC/CHEV
2770918	11/16-18 Inv.	M16X1.5	GOLD	0.781 G		no	GMC/CHEV
2771030	M18x1.5	M16X1.5	GOLD	0.781 G	DT 2	no	DODGE
2771117 ¹	M18x1.5	M16X1.5	GOLD	0.781 G		no	GMC/CHEV
2771118	M18x1.5	M16X1.5	BLUE OR SILVER	0.688 G		no	GM
2771119	M18x1.5	M16X1.5	GOLD	0.545 G		no	GM
2771155 ²	11/16-18 Inv.	5/8-18 Inv.	SEE FOOTNOTE ⁵	0.781 G		no	GM
2771173 ⁴	11/16-18 Inv.	5/8-18 Inv.	SPRING LOADED	0.781 G		no	GMC/CHEV
2771250	M18x1.5	M16X1.5	GOLD	0.688 G		no	GMC/CHEV
2771577	M18x1.5	M16X1.5	GOLD	0.688 Stk.	71586	no	GMC
2771578	M18x1.5	M16X1.5	GOLD	0.600 Stk.	71586	no	GMC
2771593	M18x1.5	M16X1.5	BLUE OR SILVER	0.600 Stk.	71586	no	GM Truck & Bus C, K Ser.
2771605	M18x1.5	M16X1.5	GOLD	0.600 Stk.	71548	no	Astro/Safari
2771741	M18x1.5	M16X1.5	GOLD	0.600 Stk.	71689	no	GMC
2771742	M18x1.5	M16X1.5	GOLD	0.688 Stk.	71690	no	GMC
2771743	M18x1.5	M16X1.5	GOLD	0.600 Stk.	71690	no	GMC
2771744	M18x1.5	M16X1.5	BLUE OR SILVER	0.600 Stk.	71690	no	GM C/K Truck
2771745	M18x1.5	M16X1.5	GOLD	0.781 Stk.	71736	no	GMC
2771746	M18x1.5	M16X1.5	GOLD	0.600 Stk.	71736	no	GMC
2771791	M18x1.5	M16X1.5	GOLD	0.688 Stk.	71803	yes	GMC
2771792	M18x1.5	M16X1.5	BLUE OR SILVER	0.600 Stk.	71803	yes	GM C/K Truck
2771997	11/16-20str	5/8-20str	BLACK	0.545 Stk	71998	yes	96-97 Mustang Cobra
2772086	M18x1.5	M16X1.5	BLUE OR SILVER	0.600 Stk.	32645	yes	E-450 Super Duty

BENDIX HYDROBOOST / HYDROBOOST II

Part Number	Inlet	Outlet	Accumulator	Input Piston Dia.	Pedal Rod Code	Relief Valve	Basic App.
2772094	M18X1.5	M16X1.5	BLUE OR SILVER	0.545 Stk	3A2182	yes	Ford Super Duty
2772139	M18X1.5	M16X1.5	BLUE OR SILVER	0.545 Stk	22442	yes	Dodge Ram 2500-3500
2772820	M18X1.5	M16X1.5	BLUE OR SILVER	0.545 Stk	2D2345	yes	Chec-GMC various Models
2772288	M18x1.5	M16X1.5	BLUE OR SILVER	0.545 Stk.	71469	no	Ford Stripped Chassis
2772821	M18X1.5	M16X1.5	BLUE OR SILVER	0.545 Stk	2D2348	yes	Express, Savanna 1500
2772822	M18X1.5	M16X1.5	BLUE OR SILVER	0.545 Stk	2D2348	yes	Express, Savanna 2500-3500
2772336	M18x1.5	M16X1.5	BLUE OR SILVER	0.600 Stk.	72294	no	Dodge Ram 2500/3500
2772400	M18x1.5	M16X1.5	GOLD	0.600 Stk.	71837	yes	Express/Savanna
2772401	M18x1.5	M16X1.5	GOLD	0.600 Stk.	71994	yes	Astro/Safari
2772402	M18x1.5	M16X1.5	GOLD	0.600 Stk.	71803	yes	GM C/K-10 Truck
2772404	M18x1.5	M16X1.5	BLUE OR SILVER	0.688 Stk.	72095	yes	Workhorse/Commercial
2772405	M18x1.5	M16X1.5	GOLD	0.781 Stk.	72095	yes	Workhorse/Commercial
2772406	M18x1.5	M16X1.5	GOLD	0.781 Stk.	71237	yes	Workhorse/Commercial
2772407	M18x1.5	M16X1.5	BLUE OR SILVER	0.688 Stk.	71237	yes	Workhorse/Commercial
2772428	M18x1.5	M16X1.5	BLUE OR SILVER	0.545 Stk.	71469	yes	F53 / Stripped chassis
2772470	M18x1.5	M16X1.5	BLUE OR SILVER	0.545 Stk.	22442	yes	Dodge 2500/3500
2772482	M18x1.5	M16X1.5	BLUE OR SILVER	0.688 Stk.	72095	Int.	Seabiscuit I, P3500 Ser. 2006 JF-9 Brake
2772484	M18x1.5	M16X1.5	BLUE OR SILVER	0.781 Stk.	72095	Int.	Seabiscuit I
2772499	M18x1.5	M16X1.5	SILVER = LONG	0.600 Stk.	71994	yes	Astro/Safari
2772546	M18x1.5	M16X1.5	BLUE OR SILVER	0.545 Stk.	32892	yes	F Super Duty
2772557	M18x1.5	M16X1.5	BLACK	0.688 Stk.	72457	yes	Blue Diamond - IHC/Ford
2772681	M18x1.5	M16X1.5	BLUE OR SILVER	0.545 Stk.	72294	yes	Dodge Ram 2500/3500 w/ABS
2772786	M18x1.5	M16X1.5	BLUE OR SILVER	0.545 Stk.	71994	yes	GMC Topkick
2772795	11/16-20 Str.	5/8-20 Str.	BLUE OR SILVER	0.600 Stk.	1903	N	E350 Super Duty
2772796	11/16-20 Str.	5/8-20 Str.	BLUE OR SILVER	0.600 Stk.	2079	N	E350 Super Duty
2772820	M18x1.5	M16X1.5	BLUE	0.688 Stk.	71237	N	
2772839	M18x1.5	M16X1.5	BLUE OR SILVER	0.545 Stk.	2079	N	E350 Super Duty
2772847	M18x1.5	M16X1.5	BLUE OR SILVER	0.545 Stk.	72076	yes	F Super Duty
2772905	M18x1.5	M16X1.5	SILVER = LONG	0.600 Stk.	72209 ⁶	yes	Chev & GMC Various Models
2772905	M18x1.5	M16X1.5	SILVER = LONG	0.600 Stk.	32608 ⁷	yes	Chev & GMC Various Models
2772906	M18x1.5	M16X1.5	BLUE OR SILVER	0.600 Stk.	32608/72209	yes	Chev & GMC Various Models
2772907	M18x1.5	M16X1.5	SILVER = LONG	0.600 Stk.	22865	yes	Express/Savanna - 1500
2772908	M18x1.5	M16X1.5	BLUE OR SILVER	0.600 Stk.	22865	yes	Express/Savanna 2500/3500
2772977	M18x1.5	M16X1.5	BLUE OR SILVER	0.545 Stk.	222422	yes	Chrysler 03-07
2772995	M18x1.5	M16X1.5	BLUE OR SILVER	0.545 Stk.	22436	yes	Ford E-450
2773315	M18x1.5	M16X1.5	BLUE OR SILVER	0.545 Stk.	72076	N	F Super Duty
2773316	M18x1.5	M16X1.5	BLUE OR SILVER	0.545 Stk.	22436	yes	E550

¹ Two designs from O.E. Staked rod and Grommet rod. If core is Staked, change over to Grommet style.

See instructions and pedal rod numeric cross in HPR-129000 rod kit, page 2-14.

² w/ aluminum seat

³ Supplied with mounting bracket.

⁴ Accumulator is high tension spring loaded. Gold, Blue and silver are high pressure gas charged.

⁵ Auxiliary Accumulator not furnished with replacement. Unit has two additional ports for accumulator hook-up. 1 - 1/2-20 w/ aluminum seat and 1 - 9/16-18 w/ aluminum seat.

⁶ Early style rod (72209) is interchangeable with (332608).

⁷ Later style rod.(332608) is interchangeable with (72209).

Glossary

- GGrommet Style
- HB IIHydroboost II
- Int.Internal
- Inv.Inverted (w/ Brass seat)
- Stk.Staked
- Str.....Straight (w/ O'Ring tube seal)

HPR129000 PUSH ROD KIT



HPR129000 Push Rod Kit

This is a must for effective sales of Hydroboost units. The kit comes with five different pedal rods (two each) for Grommet type units. These are very necessary for change-overs from “staked rod type” units.

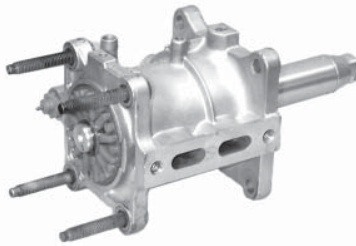
Included are extra Grommets (which are also included with every unit) and a special Delco HyPower adapter for converting part number 18003998 to 18001810 by extending the pedal rod.

Replacement parts may be purchased separately. Listed below are the contents of the HPR-129000 kit.

OAL	Part#	Description	Staked to Grommet Rod Conversion	
n/a	RS-2	Adapter	71217	129708
n/a	129495	Grommet	71235	129970
6 5/8"	129708	Rod	71236	129960
4"	129960	Rod	71237	2770533
6 5/16"	129970	Rod	71346	2771406
4 1/4"	2770533	Rod	71586	2771406
5 5/8"	2771406	Rod		

BENDIX HYDRAULIC ACTUATED UNITS

Single Prong Flow Switch



Note: Relay mounting lug (only found on 2770255)

2770255



2771320

See backup motor identification on page 2-17.



2771544

2 Prong Flow Switch

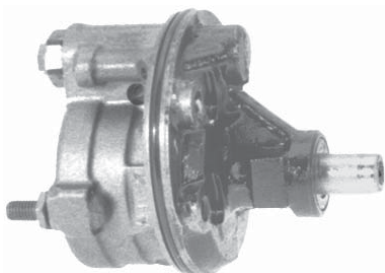


2772181 / 2772184

TYPE 9

Part Number	Inlet	Outlet	Primary Application	Description
2770255*	3/4-18 thread w/ O'Ring tube seat	1/2" ID push on hose	Ford	Pump & Motor - center mount Casting (body) has provision for mounting motor relay
2770256	3/4-18 thread w/ O'Ring tube seat	1/2" ID push on hose	Ford	Pump & Motor - center mount No provision for mounting motor relay
2770454	3/4-18 thread w/ O'Ring tube seat	1/2" ID push on hose	IHC	Pump & Motor - offset mount Larger piston bore Casting# 2771424
2772184	3/4-18 thread w/ O'Ring tube seat	1/2" ID push on hose	GM, Ford	Casting# 2772114 - offset mount Used w/1 3/4 Master Cylinder
2772181	3/4-18 thread w/ O'Ring tube seat	1/2" ID push on hose	GM, Ford, IHC Freightliner	1999 & up, all w/2" master cyl. Casting# 2772114 - offset mount
2771320*	Pump & motor**			Stud - No lead wire.
2771494	Pump & motor**			Short fat motor w/ wire.
2771544	Pump & Motor**	Short version of 2771320		Stud - No lead wire.
2500696C91				Flow switch for 2772181 & 2772184
69556				Flow Switch for 2770255 & 2770454

* Note: Units shown above. **Not included with exchange Hydromax



Casting Number: 7830247

BRAKE PUMP

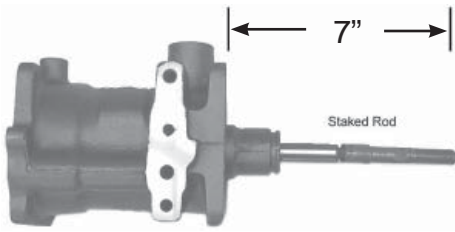
Part No.: BP-1

Manufacturer: Saginaw

Application: 1980 to Present, Ford trucks w/ Bendix Hydromax systems

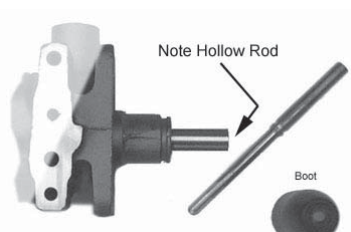
Specifications: Pump with Press on Pulley, Metric Fitting in Output Port.

DELCO HY-POWER



18001810 Early Design

Casting# 2623435
or 18015765 (See application section)



18001810 Late Design



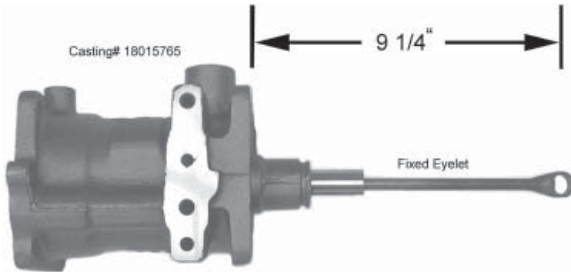
18015776¹

See backup motor identification on page 17.



18006974¹

Note: Early design and late design units are interchangeable

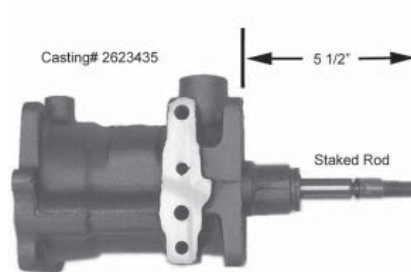


18014080

Casting# 18015765

Non-adjustable fixed pedal rod

O'ring seal on line for input



18003998

¹ Refer to installation instructions furnished with the replacement unit (pink card) for detail on check valve / spring installation when installing Pump & Motor.

TYPE 10

Part Number	Pedal Rod Length	Primary Application	Pump Part#
18001810	7" Threaded Rod	GM & Oshkosh	18006974
18003998	5 1/2" Threaded Rod	Navistar (IHC)	18006974
18014080	9 1/4" to center of fixed rod eyelet	Topkick & Kodiak, Oshkosh	18015776

Pumps

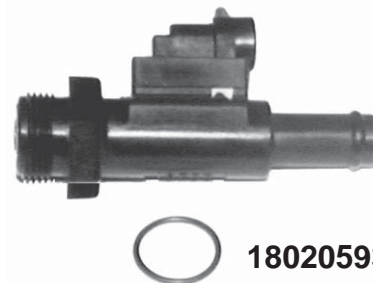
Part Number	Description	Primary Application
18006974	Pump & Motor w/pigtail wire connection	GM, IHC
18015776	Integral female plug connection	Topkick & Kodiak

DELCO FLOW SWITCHES

Part No.	Units Used On:
501830C91	18001810 / 18003998 / 18001047
18020593	18014080



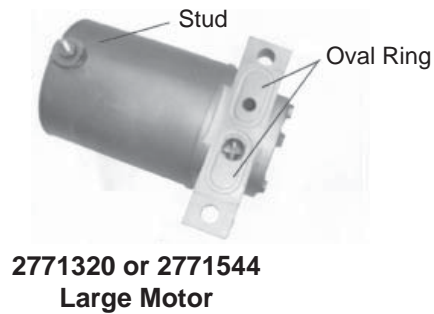
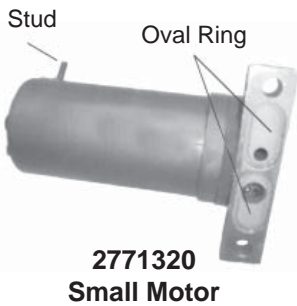
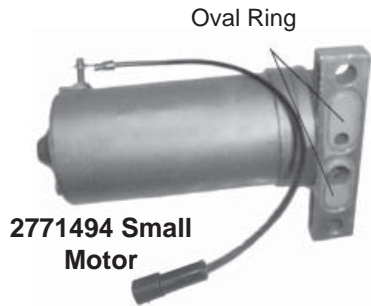
501830C91



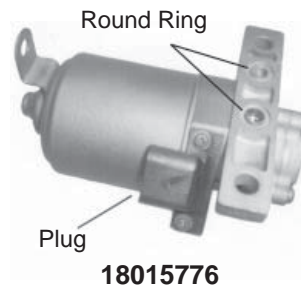
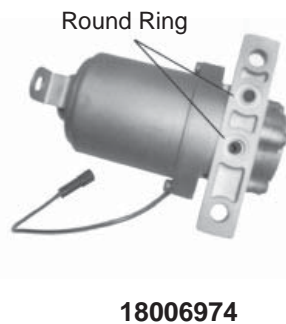
18020593

BACKUP MOTOR IDENTIFICATION

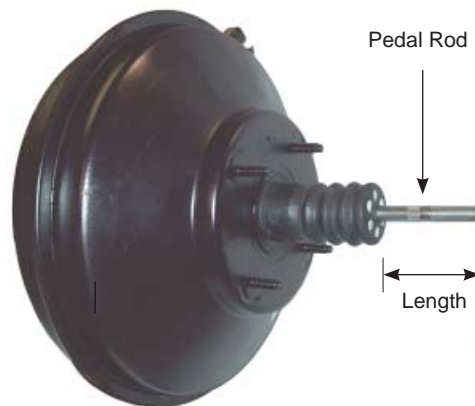
BENDIX UNITS



DELCO UNITS



DELCO DUAL POWER



TYPE 11

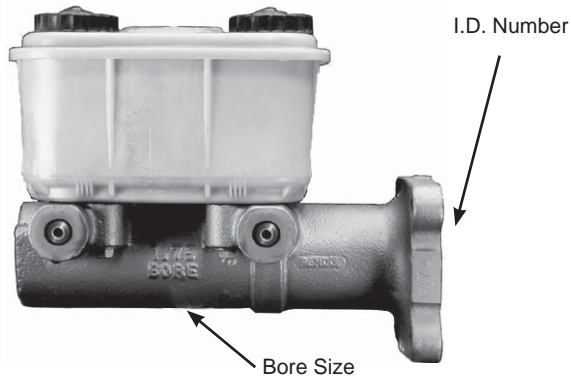
HYDRAULIC BOOSTER ASSEMBLY

VACUUM BOOSTER ASSEMBLY

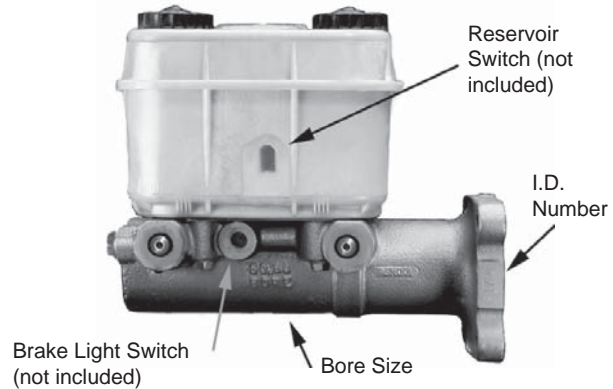
Part Number	Primary Application	Part Number	Pedal Rod Length	Primary Application
18001047	GM / Navistar	18001072	7"	Navistar
		GM18003144	5 1/2"	

BENDIX MINI MASTER CYLINDER

Early Design



Late Design



Note: Bore size cast-in between outlet ports.

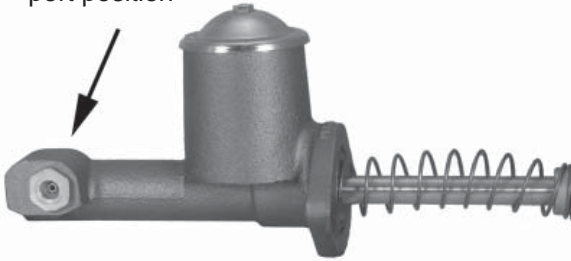
For I.D. last four digits of part number stamped in machined area on side of mounting flange.

ID#	Our Part#	Bore Dia.	Primary Outlet	Secondary Outlet	Reservoir (Cu. In.)	Split*	Brake Lt. Switch	Res. Switch	Application
2352	11999	1.75	9/16 X 18	1/2 X 20	61	60/40	N	N	Ford, Bosch AM, FMC
2547	12632	44.45mm	9/16 X 18	1/2 X 20	61	60/40	Y	N	Bosch AM, Ford
2857	12430	1.75	9/16 X 18	1/2 X 20	84	50/50 D	N	Y	GMT&B
2914	12379	50.80mm	9/16 X 18	1/2 X 20	84	50/50 D	Y	N	Navistar
3289	12339	50.80mm	9/16 X 18	1/2 X 20	61	50/50 D	Y	N	Navistar
3590	11892	1.75	9/16 X 18	1/2 X 20	30 alum.	60/40	N	N	GM
3866	12618	2	9/16 X 18	1/2 X 20	Remote	50/50 D	N	N	Gillig, IHC, BlueBird
4451	12671	2	9/16 X 18	1/2 X 20	84	50/50 D	N	Y	GMT&B
4491	12379	50.80mm	9/16 X 18	1/2 X 20	84	50/50 D	Y	N	Navistar / Ford / Thomas Built
4841	11994	2	9/16 X 18	1/2 X 20	84	50/50 D	N	N	GM MY'98 1/2
4927	12339	50.80mm	9/16 X 18	1/2 X 20	61	50/50 D	Y	N	Navistar, Ford
4928	12632	44.45mm	9/16 X 18	1/2 X 20	61	60/40	Y	N	Ford
4929	2234929	2	9/16 X 18	1/2 X 20	Remote	50/50 D	Y	N	BlueBird / Amtran / Thomas Built
4932	2234932	50.80mm	9/16 X 18	1/2 X 20	Remote	50/50 D	Y	N	Oshkosh
4933	12379	50.80mm	9/16 X 18	1/2 X 20	84	50/50 D	Y	N	Navistar / Ford / Thomas Built
4934	2234934	50.80mm	9/16 X 18	1/2 X 20	84	50/50	Y	Y	Freightliner, Workhorse
6171	11990	1.75	3/4 X 18	11/16 X18	61	50/50 R	N	N	Bosch AM, Ford
6172	11912	1.75	3/4 X 18	11/16 X18	61	50/50 R	N	N	Bosch AM, IHC
6173	11909	1.75	3/4 X 18	PLUG	61	Single R	N	N	Bosch AM, Ford
6174	11992	1.75	3/4 X 18	11/16 X18	61	60/40	N	N	Bosch AM, Ford
6175	11993	1.75	9/16 X 18	1/2 X 20	84	50/50	N	N	GMT&B, Bosch AM, IHC
6176	12000	1.75	9/16 X 18	1/2 X 20	61	50/50	N	N	Bosch AM, GM, IHC
6177	11999	1.75	9/16 X 18	1/2 X 20	61	60/40	N	N	Bosch AM, Ford
6179	11910	1.75	3/4 X 18	11/16 X18	61	60/40 R	N	N	Bosch AM, IHC
6180	11892	1.75	9/16 X 18	1/2 X 20	61	60/40	N	N	Bosch AM, GM, Grove
6181	11998	1.75	9/16 X 18	1/2 X 20	84	50/50 D	N	N	Fiat Allis, Bosch AM
6191	11908	2	3/4 X 18	11/16 X18	61	50/50	N	N	IHC, Bosch AM
6192	11991	2	3/4 X 18	11/16 X18	61	50/50 D	N	N	Ford, Bosch AM
6193	11994	2	9/16 X 18	1/2 X 20	84	50/50	N	N	IHC, Bosch AM
6194	11995	2	9/16 X 18	1/2 X 20	61	50/50 D	N	N	Ford, Bosch AM
6195	11997	2	9/16 X 18	1/2 X 20	84	50/50 D	N	N	Grove, Bosch AM
6196	11898	2	3/4 X 18	11/16 X18	61	50/50 R	N	N	IHC, Bosch AM
6198	11885	2	9/16 X 18	1/2 X 20	61	70/30	N	N	Bosch AM
9042	12379	50.80mm	9/16 X 18	1/2 X 20	84	50/50 D	Y	N	Navistar / Thomas Built
9059	12671	2	9/16 X 18	1/2 X 20	84	50/50 D	N	Y	GM
9602	12379	50.80mm	9/16 X 18	1/2 X 20	84	50/50 D	Y	N	Ford
9605	12339	50.80mm	9/16 X 18	1/2 X 20	61	50/50 D	Y	N	Ford
9656	12632	44.45mm	9/16 X 18	1/2 X 20	61	60/40	Y	N	Ford
9671	12671	2	9/16 X 18	1/2 X 20	84	50/50D	N	Y	GM

Note: D- 4 Wheel Disc Brakes
R- Residuals - Drum Brake

MIDLAND SINGLE RESERVOIR MASTER CYLINDERS

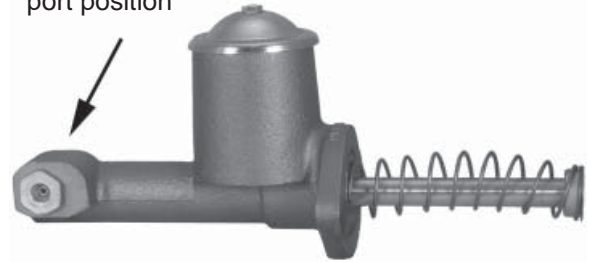
Note: Output port position



C3492SX

GM Applications
Casting No. 300358
Output port toward rear of casting.
Port: $\frac{5}{16}$ " I.F.; Thru bolt style cap

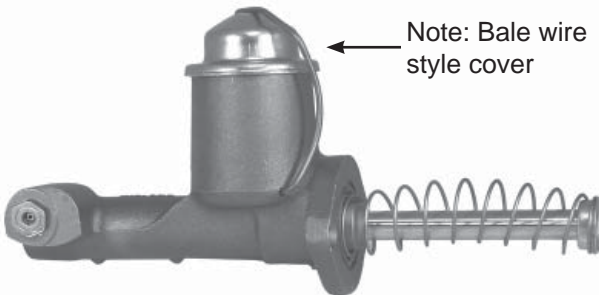
Note: Output port position



C3496SX

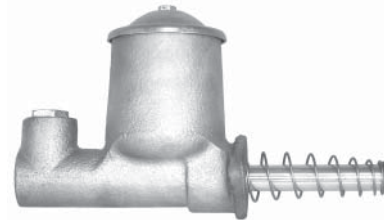
GM Applications
Casting No. 300358
Output port toward front of casting.
Port: $\frac{5}{16}$ " I.F.; Thru bolt style cap

Note: Bale wire style cover



C3507SB

Ford Applications
Casting No. 300455
Output port toward front of casting.
Port: $\frac{1}{4}$ " I.F.; Bail wire style cap



Side View

C3472



C3472

Casting No. 300206G
Applications: C4028A, C4030B
Specifications: Flat Gasket Mounting
Output port on top of casting.
Port: $\frac{1}{4}$ " I.F.; Thru bolt style cap

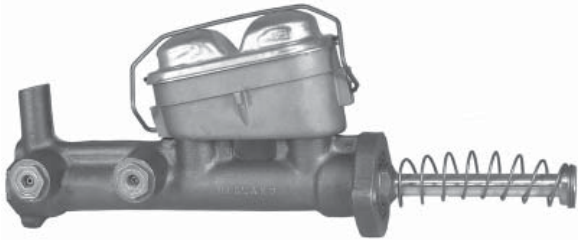


Note: Seal Ring Groove

C3472SD

Casting No. 300371
Applications: C4028, 4030, 4044
Specifications: Seal Ring Mounting

MIDLAND TANDEM RESERVOIR MASTER CYLINDERS



C3500SE

Casting No. 300459-A
 Ports: A = 1/4" IF, B = 1/4" IF



C3503SX

Casting No. 300406-C
 Ports: A = 5/16" IF, B = 1/4" IF



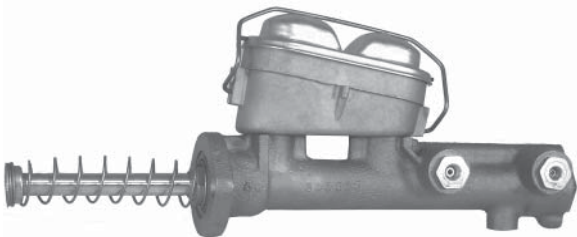
C3500SF

Casting No. 300406-F (Note: 5 3/4" Push Rod)
 Ports: A = 1/4" IF, B = 5/16" IF



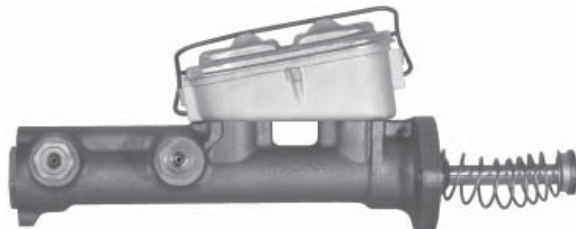
C3510SA

Casting No. 300406-F (Note: 3 1/2" Push Rod)
 Ports: A = 5/16" IF, B = 1/4" IF



C3502SB

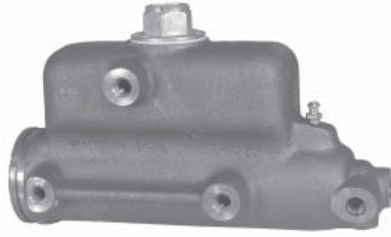
Casting No. 300407-C
 Ports: A = 5/16" IF, B = 1/4" IF



C3510SX

Casting No. 300406-F (Note: 3 1/2" Push Rod)
 Ports: A = 5/16" IF, B = 1/4" IF

MASTER CYLINDERS



F99549CV (w/residual check valve)
F105051 (w/o residual check valve)
 Navistar & off road applications
 Casting No.: FE1099
 Ports: 1/2 X 20 G
 Bore: 1 3/4"
 With Residual check valve
 *Note: No pipe plug under ports



F1701CV (with CV & rod)
F2981 (w/o CV)
 Navistar & off road applications
 Casting No.: FE1099
 Ports: 1/2 X 20 G
 Bore: 1 3/4"
 With Residual check valve
 *Note: 1/8" pipe plug under ports



F2842 (w/o Residual check valve)
F1251CV (w/ Residual check valve)
 Navistar applications
 Casting No.: FE777
 Ports: 1/2 20 thread
 Bore: 1 3/4"
 Requires fitting w/copper gasket



F4572CV
 Ford applications
 Casting No.: FD4570
 Ports: 1/2 X 20 thread
 Bore: 1 1/4"
 with Residual check valve



F661CV
 Navistar, Diamond Reo, off road applications
 Casting No.: FE2704
 Ports: 1/2 X 20 G
 Bore: 1 1/2"
 With Residual check valve
 Requires fitting w/copper gasket



F75994, F75995, F78205, F78209
 Casting No.: FF64506
 Ports: 7/16 X 24 & 1/2 X 20
 Bore: 1 3/4"
 Supplied w/o Pedal Rod

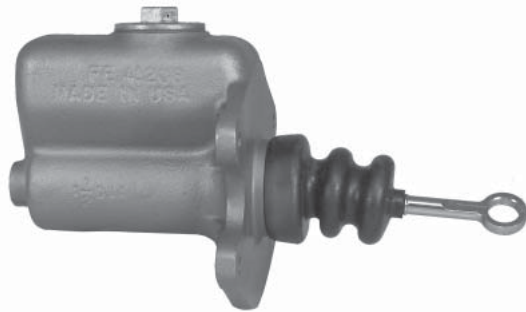
MASTER CYLINDERS



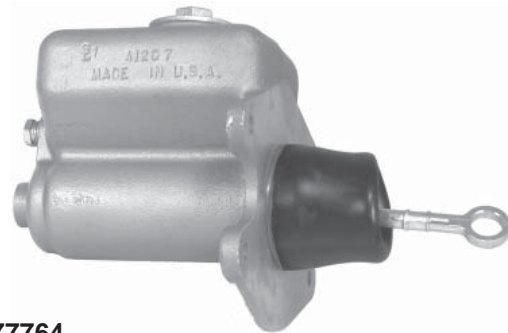
F42193
 Ford applications
 Casting No.: FE41207
 Ports: 1/2 X 20 G
 Bore: 1 3/4"



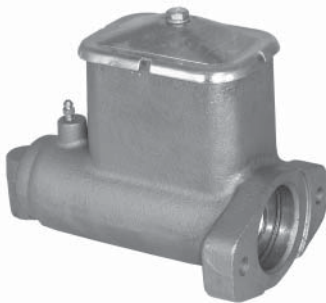
F42194
 Ford applications
 Casting No.: FE41208
 Ports: 1/2 X 20 G
 Bore: 1 1/2"



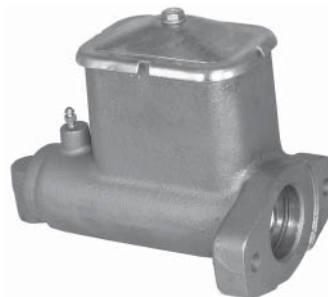
F77763
 Ford applications
 Casting No. FE41208, 29825
 Ports: 1/2 X 20 G
 Bore: 1 1/2 "
 With 5" pedal rod



F77764
 Ford applications
 Casting No. FE41207
 Ports: 1/2 X 20 G
 Bore: 1 3/4"
 With 5" pedal rod



F100559
 Chevrolet & GMC applications
 Casting No. FE57577, 30069
 Ports: 1/2 X 20 I.F.
 Bore: 1 3/4"



F100560
 Chevrolet & GMC applications
 Casting No. FE57579, 29934-C
 Ports: 1/2 X 20 I.F.
 Bore: 1 1/2"

MASTER CYLINDERS



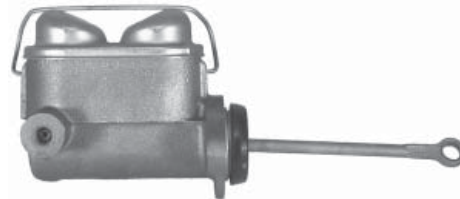
F2951 (w/o residual check valve)
F2962CV (w/residual check valve)
 Diamond Reo, Ford, Navistar applications
 Casting No.: FE1575, 30067-C, 31108-C
 Ports: 1/2 X 20 G
 Bore: 1 3/4"
 Requires fitting w/copper gasket



F22977 (w/o residual check valve)
F27304CV (w/residual check valve)
 Ford, Dodge applications
 Casting No.: FE23126
 Ports: 1/2 X 20
 Bore: 1 1/2"



F27305CV (w/residual check valve)
F22978 (w/o residual check valve)
 (w/residual check valve)
 Casting No.: FE23125
 Ports: 1/2 X 20 G
 Bore: 1 3/4"
 Requires fitting w/copper gasket



F103254 w/pedal rod
F106465 w/o pedal rod
 Ford applications
 Casting No.: 0966
 Ports: 1/2 X 20
 Bore: 1 1/2"
 Note: Pedal rod # 30967. 7" from center of eye-
 let to mounting flange.

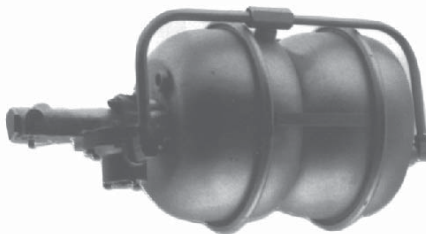
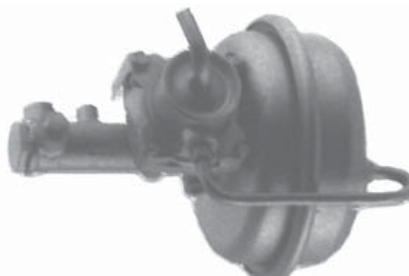
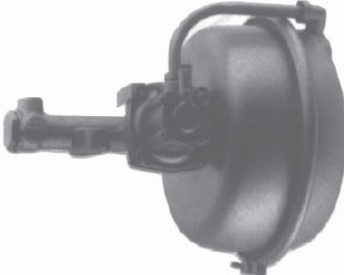
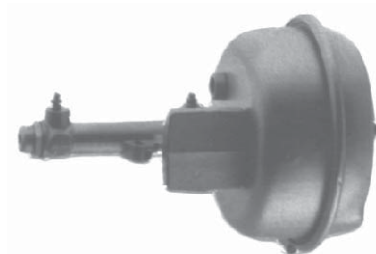
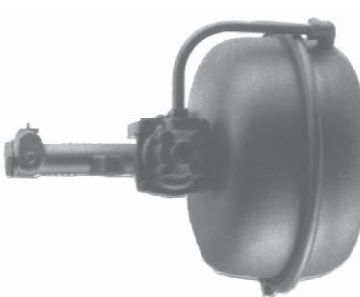
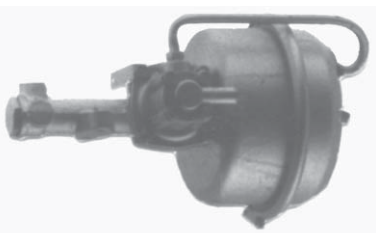
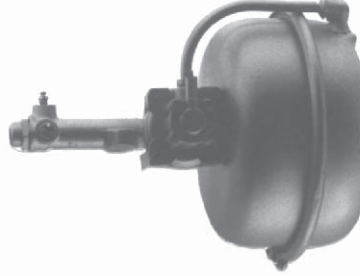
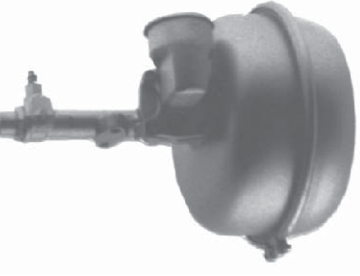
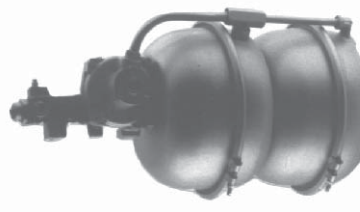
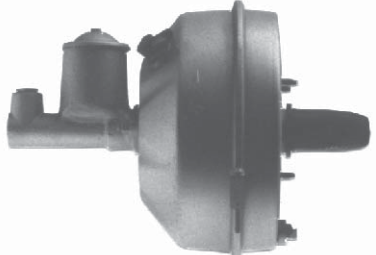


F100558
 Casting No.: FE57571, FF57571, 30077
 Port: 1/2 X 20 IF
 Bore: 1 3/4"

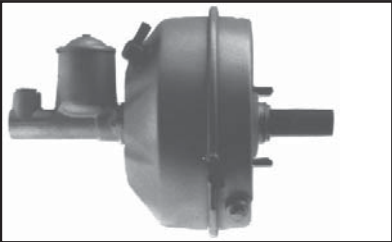
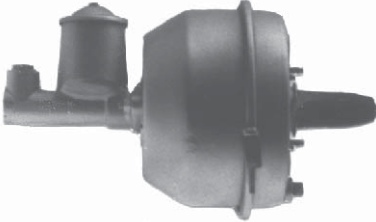


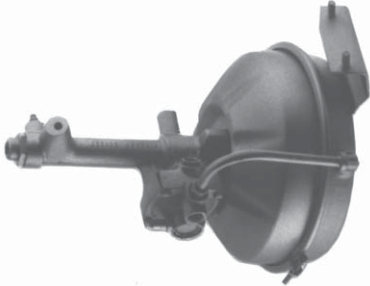

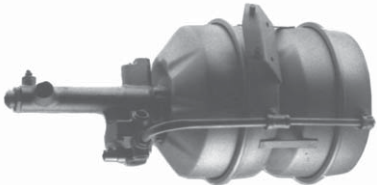
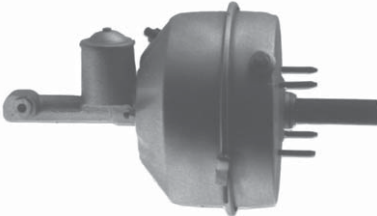
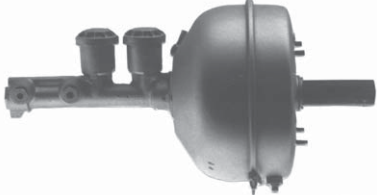

Note: All master cylinders are designed to use brake fluid only.

Master cylinders for applications requiring hydraulic fluid or mineral oil are available by special order only.

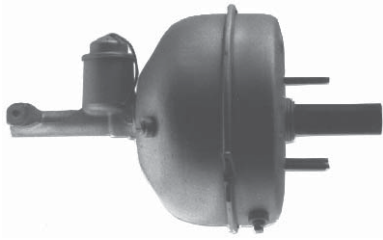





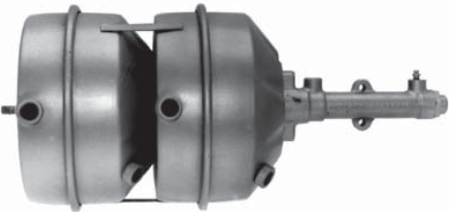
MIDLAND UNITS - PICTURE REFERENCE

 <p>C448T</p> <p>Interchangeable with C448K series except C448P and C448K which have residual check valve in slave cylinder end cap.</p> <p>Dia. 11-1/2" O.A.L. 23-3/4"</p>	 <p>C490B C490G</p> <p>Dia. 8" O.A.L. 10-13/16" Inlet 1/8" N.P.T. Outlet 1/8" N.P.T.</p> <p>C490B w/o breather tube C490G w/breather tube</p>															
 <p>C462C C462H</p> <p>Can be interchanged.</p> <table border="0"> <tr> <td></td> <td>C462C</td> <td>C462H</td> </tr> <tr> <td>Dia.</td> <td>10"</td> <td>10"</td> </tr> <tr> <td>O.A.L.</td> <td>13-7/8"</td> <td>14-13/16"</td> </tr> <tr> <td>Inlet</td> <td>1/2" G</td> <td>1/2" G</td> </tr> <tr> <td>Outlet</td> <td>1/2" G</td> <td>1/2" G</td> </tr> </table>		C462C	C462H	Dia.	10"	10"	O.A.L.	13-7/8"	14-13/16"	Inlet	1/2" G	1/2" G	Outlet	1/2" G	1/2" G	 <p>C4007</p> <p>Dia. 10" O.A.L. 14-13/16" Inlet 1/2" G Outlet 1/4" IF</p>
	C462C	C462H														
Dia.	10"	10"														
O.A.L.	13-7/8"	14-13/16"														
Inlet	1/2" G	1/2" G														
Outlet	1/2" G	1/2" G														
 <p>C464R</p> <p>Dia. 11-1/2" O.A.L. 16-1/8" Inlet 1/8" N.P.T. Outlet 1/8" N.P.T.</p>	 <p>C468</p> <p>Dia. 8" O.A.L. 13-7/8" Inlet 1/2" G Outlet 1/2" G</p> <p>To replace C468C & L, rotate control valve cover and replace with cover from returned unit. C468C shown. C468L has breather filter in place of tube.</p>															
 <p>C4012E</p> <p>Dia. 11-3/4" O.A.L. 16" Inlet 1/4" IF Outlet 1/4" IF</p> <p>THREE LINE UNIT</p>	 <p>C472A C479B</p> <table border="0"> <tr> <td></td> <td>C472A</td> <td>C479B</td> </tr> <tr> <td>Dia.</td> <td>10"</td> <td>11-1/2"</td> </tr> <tr> <td>O.A.L.</td> <td>14-3/4"</td> <td>16"</td> </tr> <tr> <td>Inlet</td> <td>Res.</td> <td>Res.</td> </tr> <tr> <td>Outlet</td> <td>1/4" IF</td> <td>1/4" IF</td> </tr> </table>		C472A	C479B	Dia.	10"	11-1/2"	O.A.L.	14-3/4"	16"	Inlet	Res.	Res.	Outlet	1/4" IF	1/4" IF
	C472A	C479B														
Dia.	10"	11-1/2"														
O.A.L.	14-3/4"	16"														
Inlet	Res.	Res.														
Outlet	1/4" IF	1/4" IF														
 <p>C4013E</p> <p>Dia. 11-3/4" O.A.L. 23-3/4" Inlet 1/4" IF Outlet 5/16" IF</p> <p>THREE LINE UNIT</p>	 <p>*C4028A</p> <p>Dia. 11-1/2" Studs 5/16"-18 X 3/4" Pattern 4" X 5" w/ Metal hub</p> <p>Shown with C3472SD master cylinder. Refer to page 7-13 for spacer and push rod information.</p>															

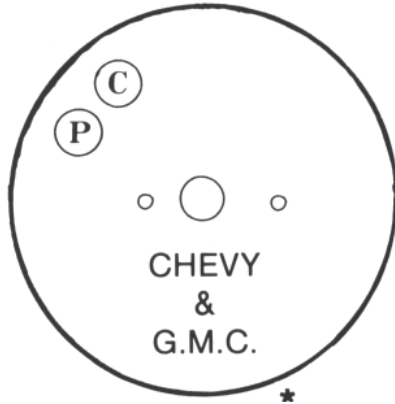
MIDLAND UNITS - PICTURE REFERENCE

 <p>*C4044D</p> <p>Shown with C3472SD master cylinder. Refer to page 7-13 for spacer and push rod information.</p> <p>Dia. 11-¹¹/₁₆" Studs ⁵/₁₆"-18 X ³/₄" Pattern 3-⁹/₁₆" X 5"</p>	 <p>*C4030B</p> <p>Shown with C3472SD master cylinder. Refer to page 7-13 for spacer and push rod information.</p> <p>Dia. 9-¹/₂" Studs ⁵/₁₆"-18 X ³/₄" Pattern 3-¹/₈" X 3-³/₈" w/ Metal hub</p>																														
 <p>*C4044K</p> <p>Shown with C3510SX master cylinder. Refer to page 7-13 for spacer and push rod information.</p> <p>Dia. 11-¹¹/₁₆" Studs ⁵/₁₆"-18 X ³/₄" Pattern 3-⁹/₁₆" X 5"</p>	 <p>C4034 C4035A</p> <table border="0"> <tr> <td></td> <td>C4034</td> <td>C4035</td> </tr> <tr> <td>Dia.</td> <td>11-¹¹/₁₆"</td> <td>11-¹¹/₁₆"</td> </tr> <tr> <td>O.A.L.</td> <td>16-¹/₂"</td> <td>19-¹/₄"</td> </tr> <tr> <td>Inlet</td> <td>¹/₄" IF</td> <td>⁵/₁₆" IF</td> </tr> <tr> <td>Outlet</td> <td>⁵/₁₆" IF</td> <td>⁵/₁₆" IF</td> </tr> </table>		C4034	C4035	Dia.	11- ¹¹ / ₁₆ "	11- ¹¹ / ₁₆ "	O.A.L.	16- ¹ / ₂ "	19- ¹ / ₄ "	Inlet	¹ / ₄ " IF	⁵ / ₁₆ " IF	Outlet	⁵ / ₁₆ " IF	⁵ / ₁₆ " IF															
	C4034	C4035																													
Dia.	11- ¹¹ / ₁₆ "	11- ¹¹ / ₁₆ "																													
O.A.L.	16- ¹ / ₂ "	19- ¹ / ₄ "																													
Inlet	¹ / ₄ " IF	⁵ / ₁₆ " IF																													
Outlet	⁵ / ₁₆ " IF	⁵ / ₁₆ " IF																													
 <p>C4055 C4056</p> <table border="0"> <tr> <td></td> <td>C4055</td> <td>C4056</td> </tr> <tr> <td>Dia.</td> <td>11-¹¹/₁₆"</td> <td>11-¹¹/₁₆"</td> </tr> <tr> <td>O.A.L.</td> <td>16-³/₄"</td> <td>18-¹/₈"</td> </tr> <tr> <td>Inlet</td> <td>¹/₄" IF</td> <td>⁵/₁₆" IF</td> </tr> <tr> <td>Outlet</td> <td>⁵/₁₆" IF</td> <td>⁵/₁₆" IF</td> </tr> </table>		C4055	C4056	Dia.	11- ¹¹ / ₁₆ "	11- ¹¹ / ₁₆ "	O.A.L.	16- ³ / ₄ "	18- ¹ / ₈ "	Inlet	¹ / ₄ " IF	⁵ / ₁₆ " IF	Outlet	⁵ / ₁₆ " IF	⁵ / ₁₆ " IF	 <p>C4036A C4042B, D</p> <table border="0"> <tr> <td></td> <td>C4036</td> <td>C4042B, D</td> </tr> <tr> <td>Dia.</td> <td>11-¹¹/₁₆"</td> <td>11-¹¹/₁₆"</td> </tr> <tr> <td>O.A.L.</td> <td>25-³/₄"</td> <td>22-⁷/₈"</td> </tr> <tr> <td>Inlet</td> <td>⁵/₁₆" IF</td> <td>⁵/₁₆" IF</td> </tr> <tr> <td>Outlet</td> <td>⁵/₁₆" IF</td> <td>⁵/₁₆" IF</td> </tr> </table>		C4036	C4042B, D	Dia.	11- ¹¹ / ₁₆ "	11- ¹¹ / ₁₆ "	O.A.L.	25- ³ / ₄ "	22- ⁷ / ₈ "	Inlet	⁵ / ₁₆ " IF	⁵ / ₁₆ " IF	Outlet	⁵ / ₁₆ " IF	⁵ / ₁₆ " IF
	C4055	C4056																													
Dia.	11- ¹¹ / ₁₆ "	11- ¹¹ / ₁₆ "																													
O.A.L.	16- ³ / ₄ "	18- ¹ / ₈ "																													
Inlet	¹ / ₄ " IF	⁵ / ₁₆ " IF																													
Outlet	⁵ / ₁₆ " IF	⁵ / ₁₆ " IF																													
	C4036	C4042B, D																													
Dia.	11- ¹¹ / ₁₆ "	11- ¹¹ / ₁₆ "																													
O.A.L.	25- ³ / ₄ "	22- ⁷ / ₈ "																													
Inlet	⁵ / ₁₆ " IF	⁵ / ₁₆ " IF																													
Outlet	⁵ / ₁₆ " IF	⁵ / ₁₆ " IF																													
 <p>C4057C C4058</p> <table border="0"> <tr> <td></td> <td>C4057C</td> <td>C4058</td> </tr> <tr> <td>Dia.</td> <td>11-¹¹/₁₆"</td> <td>11-¹¹/₁₆"</td> </tr> <tr> <td>O.A.L.</td> <td>25-¹/₄"</td> <td>22-⁷/₁₆"</td> </tr> <tr> <td>Inlet</td> <td>⁵/₁₆" IF</td> <td>⁵/₁₆" IF</td> </tr> <tr> <td>Outlet</td> <td>⁵/₁₆" IF</td> <td>⁵/₁₆" IF</td> </tr> </table>		C4057C	C4058	Dia.	11- ¹¹ / ₁₆ "	11- ¹¹ / ₁₆ "	O.A.L.	25- ¹ / ₄ "	22- ⁷ / ₁₆ "	Inlet	⁵ / ₁₆ " IF	⁵ / ₁₆ " IF	Outlet	⁵ / ₁₆ " IF	⁵ / ₁₆ " IF	 <p>C4037</p> <p>Shown with C3492SX master cylinder.</p> <table border="0"> <tr> <td></td> <td>C4037L</td> <td>C4037N</td> </tr> <tr> <td>Dia.</td> <td>11-¹¹/₁₆"</td> <td>11-¹¹/₁₆"</td> </tr> <tr> <td>Studs</td> <td>³/₈"-16</td> <td>³/₈"-16</td> </tr> <tr> <td>Length</td> <td>2"</td> <td>1-¹/₈"</td> </tr> <tr> <td>Pattern</td> <td colspan="2">3-³/₄" x 3-³/₄" (both)</td> </tr> </table>		C4037L	C4037N	Dia.	11- ¹¹ / ₁₆ "	11- ¹¹ / ₁₆ "	Studs	³ / ₈ "-16	³ / ₈ "-16	Length	2"	1- ¹ / ₈ "	Pattern	3- ³ / ₄ " x 3- ³ / ₄ " (both)	
	C4057C	C4058																													
Dia.	11- ¹¹ / ₁₆ "	11- ¹¹ / ₁₆ "																													
O.A.L.	25- ¹ / ₄ "	22- ⁷ / ₁₆ "																													
Inlet	⁵ / ₁₆ " IF	⁵ / ₁₆ " IF																													
Outlet	⁵ / ₁₆ " IF	⁵ / ₁₆ " IF																													
	C4037L	C4037N																													
Dia.	11- ¹¹ / ₁₆ "	11- ¹¹ / ₁₆ "																													
Studs	³ / ₈ "-16	³ / ₈ "-16																													
Length	2"	1- ¹ / ₈ "																													
Pattern	3- ³ / ₄ " x 3- ³ / ₄ " (both)																														
 <p>C4084B</p> <p>Shown with C3503SX master cylinder. Refer to page 7-13 for push rod information.</p> <p>Dia. 13" Studs ³/₈"-16 X ³/₄" Pattern 3-¹/₂" X 6-¹/₈"</p>	 <p>C4084C</p> <p>Shown with C3500SE master cylinder. Refer to page 7-13 for spacer and push rod information.</p> <p>Dia. 13" Studs ³/₈"-16 X 2-¹/₂" Pattern 3-¹/₂" X 6-¹/₂"</p>																														

MIDLAND UNITS - PICTURE REFERENCE

 <p>C4084H</p> <p>Vacuum check valve on opposite side when compared with C4084E. Shown with C3507SB master cylinder. Refer to page 7-13 for spacer and push rod information.</p> <p>Dia. 13" Studs $\frac{3}{8}$-16 X 2-$\frac{1}{2}$" Pattern 4-$\frac{11}{16}$" X 5"</p>	 <p>C4084E</p> <p>Shown with C3496SX master cylinder. Refer to page 6-11 for spacer and push rod information.</p> <p>Dia. 13" Studs $\frac{3}{8}$-16 X 2-$\frac{1}{2}$" Pattern 4-$\frac{11}{16}$" X 5"</p>
 <p>C4084J</p> <p>Shown with C3502SB master cylinder. Refer to page 6-11 for spacer and push rod information.</p> <p>Dia. 13" Studs $\frac{3}{8}$-16 X 2-$\frac{1}{2}$" Pattern 4-$\frac{1}{2}$" X 5"</p>	 <p>C4084E</p> <p>Shown with C3500SF master cylinder. Refer to page 6-11 for spacer and push rod information.</p> <p>Dia. 13" Studs $\frac{3}{8}$-16 X 2-$\frac{1}{2}$" Pattern 4-$\frac{11}{16}$" X 5"</p>
 <p>C4090</p> <p>Dia. 13" O.A.L. 19-$\frac{3}{8}$" Inlet $\frac{1}{4}$" IF Outlet $\frac{1}{4}$" IF</p>	 <p>C4084H</p> <p>Shown with C3500SF master cylinder. Refer to page 6-11 for spacer and push rod information.</p> <p>Dia. 13" Studs $\frac{3}{8}$-16 X 2-$\frac{1}{2}$" Pattern 4-$\frac{11}{16}$" X 5"</p>
 <p>C4702</p> <p>Dia. 11-$\frac{11}{16}$" O.A.L. 24-$\frac{1}{2}$" Inlet Reservoir Outlet $\frac{1}{4}$" IF</p>	

BOOSTER IDENTIFICATION

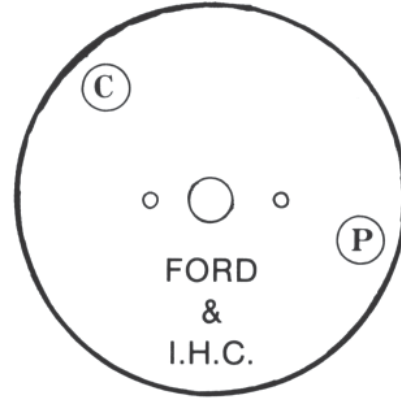


C4084B

Studs:

Pattern: $6 \frac{1}{8}$ " X $3 \frac{1}{2}$ "; $\frac{7}{8}$ " long

*Port in rear at 7 O' Clock

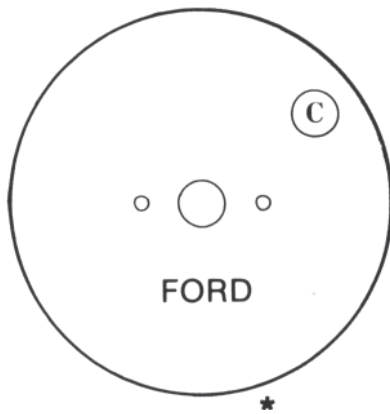


C4084C & H

Studs:

C = I.H.C. $6 \frac{1}{8}$ " X $3 \frac{1}{2}$ "; $\frac{7}{8}$ " long

H = FORD $4 \frac{11}{16}$ " X 5"; $2 \frac{1}{5}$ " long

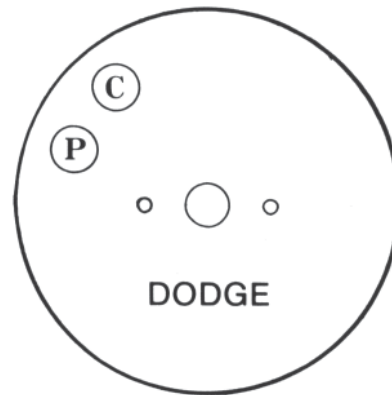


C4084E

Studs:

Pattern: $4 \frac{11}{16}$ " X 5"; $2 \frac{1}{2}$ " long

*Port in rear at 7 O' Clock



C4084J

Studs:

Pattern: $4 \frac{1}{2}$ " X 5"; $\frac{7}{8}$ " long

C = Check Valve

P = Port

MISCELLANEOUS BOOSTERS

MASTER BRAKE BOOSTERS

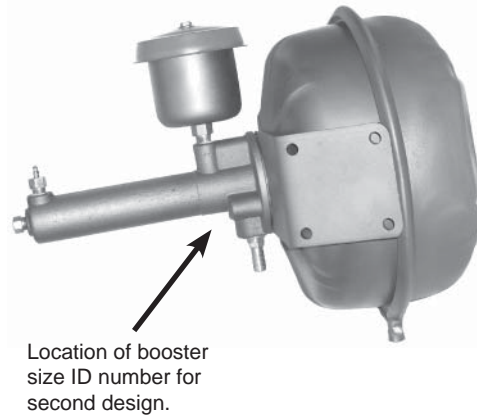
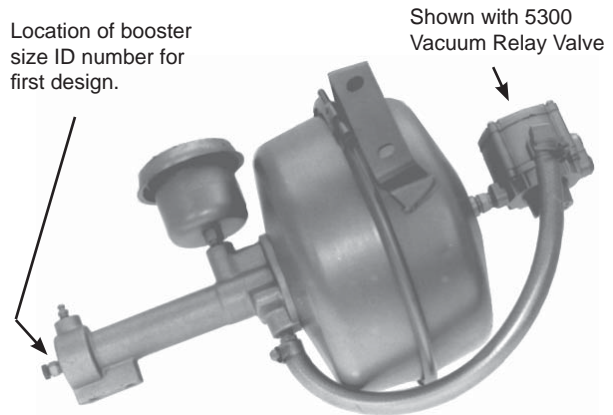
Part No. w/ Relay	Part No. w/o Relay	Booster PSI	Size ID#
6208	4208	800	8
6210	4210	1000	0
6212	4212	1200	2
6216	4216	1600	6

Relay Valve Part No.

5300 Trailer or Tag Axle Vacuum Relay Valve
 5300H Hydraulic/Vacuum Control Relay Valve



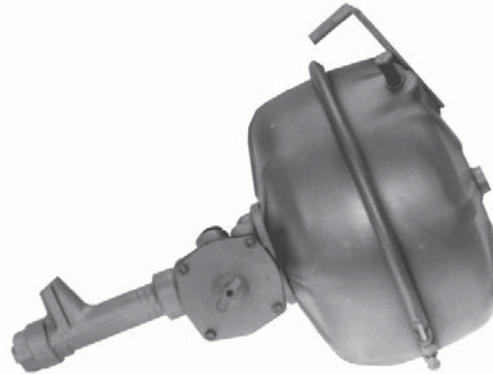
Note: First design shown with mounting bracket on the can. Second design has the mounting bracket located between the slave cylinder and the can. Boosters can be interchanged if the appropriate mounting bracket can be used.



PASCO BOOSTERS

Part No.
 2765110 (as shown)

RELAY VALVE
 (Used with this booster)
5300
 (See picture at the top of this page)



VELVAC BOOSTERS

Part No.
 49D4



Note: All units are primarily used for vacuum over hydraulic brake trailers and tag axles.

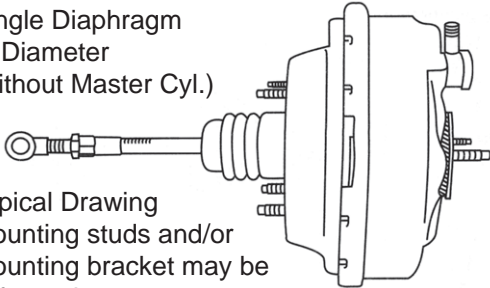
FIREWALL MOUNTED BOOSTERS

SINGLE DIAPHRAGM TYPE

Bendix Master Vac

Single Diaphragm
9" Diameter
(without Master Cyl.)

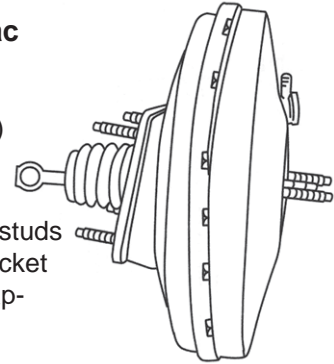
Typical Drawing
Mounting studs and/or
mounting bracket may be
different in appearance.



Bendix Master Vac

Single Diaphragm
11 1/2" Diameter
(without Master Cyl.)

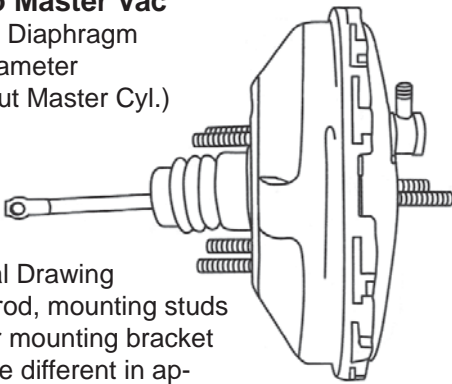
Typical Drawing
Push rod, mounting studs
and/or mounting bracket
may be different in ap-
pearance.



Delco Master Vac

Single Diaphragm
11" Diameter
(without Master Cyl.)

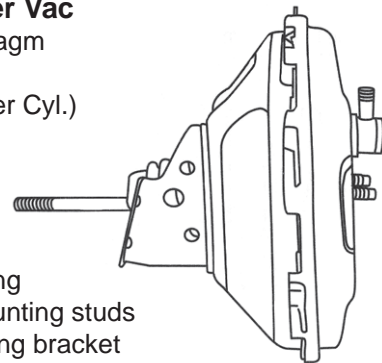
Typical Drawing
Push rod, mounting studs
and/or mounting bracket
may be different in ap-
pearance.



Delco Master Vac

Single Diaphragm
11" Diameter
(without Master Cyl.)

Typical Drawing
Push rod, mounting studs
and/or mounting bracket
may be different in ap-
pearance.

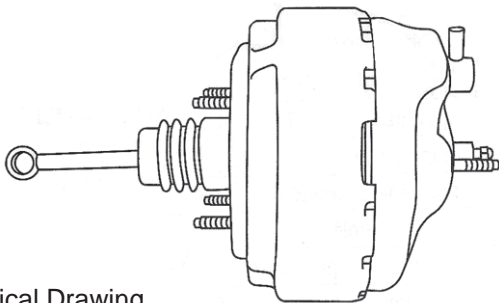


TANDEM DIAPHRAGM TYPE

Bendix Master Vac

Tandem Diaphragm
8 3/4" Diameter
(without Master Cyl.)

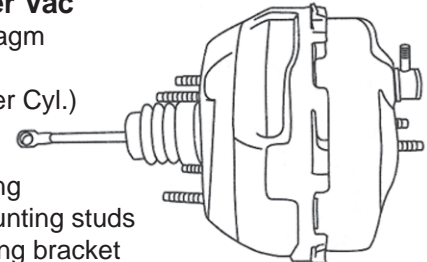
Typical Drawing
Mounting studs and/or mounting bracket may be different in appearance.



Delco Master Vac

Single Diaphragm
9" Diameter
(without Master Cyl.)

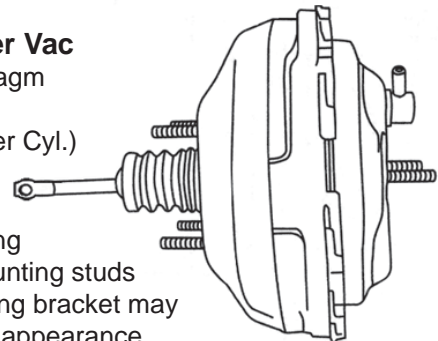
Typical Drawing
Push rod, mounting studs
and/or mounting bracket
may be different in ap-
pearance.



Delco Master Vac

Single Diaphragm
9" Diameter
(without Master Cyl.)

Typical Drawing
Push rod, mounting studs
and/or mounting bracket
may be different in ap-
pearance.

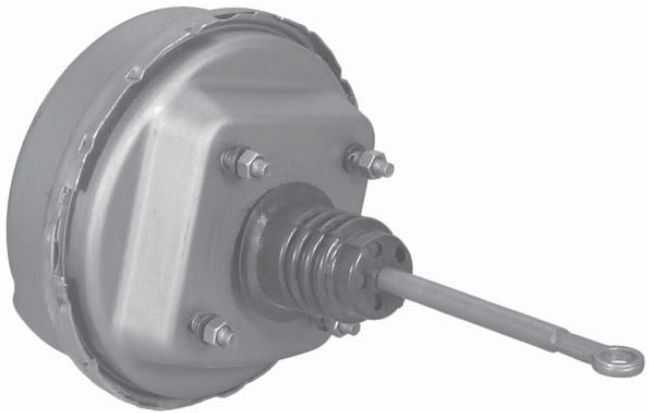


Note: Reference page 5-9 for rod code to Master-vac part number.

BENDIX FIREWALL MOUNTED BOOSTERS

PICTURE IDENTIFICATION

TYPE 12



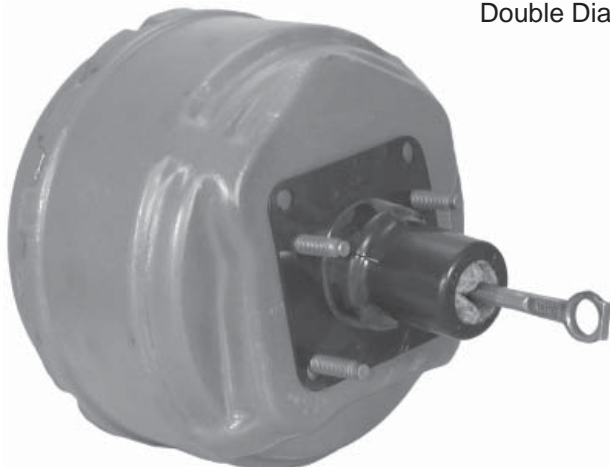
TYPE 13

11" Single Diaphragm



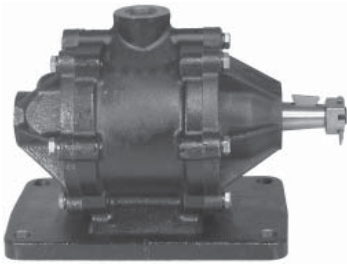
TYPE 14

Double Diaphragm

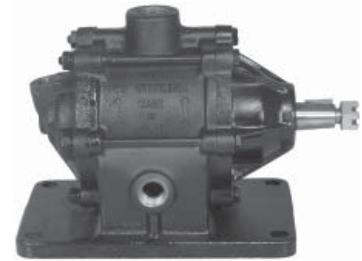
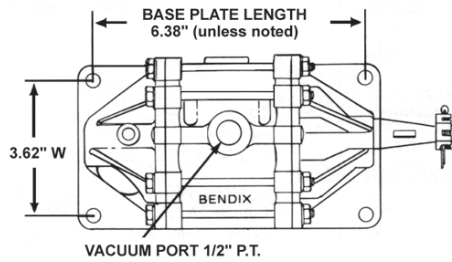


VACUUM PUMPS

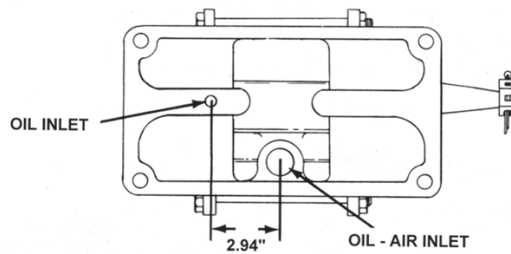
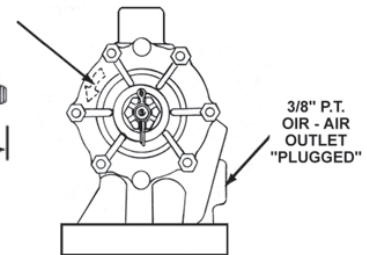
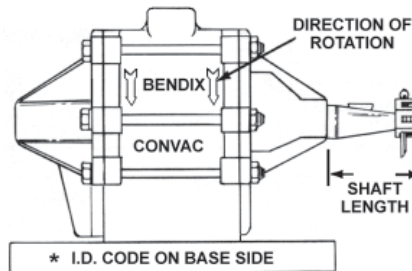
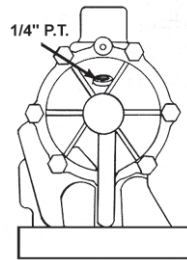
Bendix Models



3130



3136



Part Number	Rotation	Shaft Length	I.D. Code ¹	Lubrication Type ²	Comments
2513115	CCW	1.61"	3115	3	Bottom Oil Inlet Location = 2.94"
2513116	CW	1.61"	3116	3	Bottom Oil Inlet Location = 2.94"
2513117	CW	2.24"	3117	3	Bottom Oil Inlet Location = 2.94"
2513128	CW	1.61"	3128	2	
2513129	CW	2.24"	3129	2	
2513130	CCW	1.61"	3130	2	
2513132	CW	2.24"	3132	1	Oil Inlet 1/8" P.T. w/ Special adapter
2513136	CW	1.61"	3136	2	Oil Inlet 7/16"-24
2513172	CW	1.61"	3172	2	Base plate length = 5.56"
2513175	CCW	2.24"	3175	1	
2513176	CW	2.24"	3176	2	

¹I.D. Code, See cross reference on page 6-10 for additional codes.

²Lubrication Types

- 1 = End Cover Engine Lubricated, side oil-air outlet.
- 2 = End Cover Engine Lubricated, base oil-air outlet.
- 3 = Base Engine Lubricated, base oil-air outlet.

VACUUM PUMPS

Lucas Models



LVP1696
Chev. / GMC 6.2L diesel engines
 91-87 R, V10, w/ A.T., includes Speed Sensor
 85-84 C, K10, 20, exc. Hitachi Alt.Calf. Only.



LVP1697 **Gear driven**
Chev. / GMC 6.2L diesel engines
 92-87 R, V10, 20, 30
 89-82 G10, 20, 30
 89-82 P20, 30
 86-82 C, K10, 20, 6.2L(C), incl. Hitachi alternator.
 85-82 C, K20, 30, 6.2L(J)



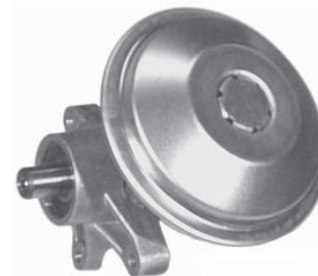
LVP1790
Chev. / GMC 6.2 & 6.5L diesel engines
 95-88 C, K10, 20, 30 with A.C.
 Shaft Diameter .650



LVP2968
Chev. / GMC 6.2 & 6.5L diesel engines
 94-88 C, K10, 20, 30 w/ out A.C.
 Shaft Diameter .670



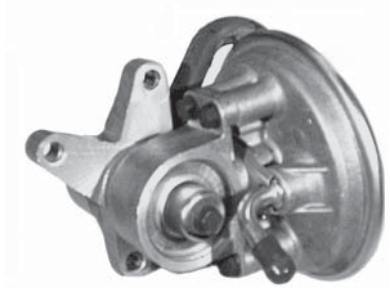
LVP4013
Dodge Truck w/diesel engine
 91-88 Dodge Truck w/ Cummins 5.9L
 6 cyl diesel eng.



LVP4092
Ford Truck w/ diesel engine
 92-88 7.3L 8 cyl. engine
 87-83 6.9L 8 cyl. engine
 87-83 2.3L 4 cyl. engine w/o turbo
Chev. / GMC truck w/ diesel engine
 85-84 2.2L 4 cyl.
 Shaft Diameter .670

VACUUM PUMPS

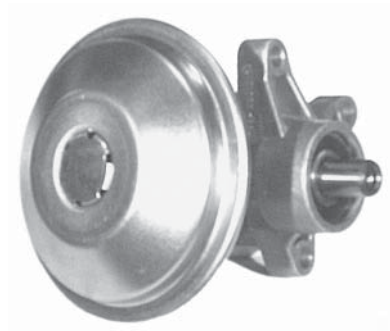
Lucas Models



LVP4342
Ford Truck w/ diesel engine
03-96 Ford F150/350
Shaft Diameter .650



LVP8253 **Belt driven**
Chev. / GMC 6.2L diesel engine
93-84 G, P20, 30
Shaft Diameter .670



LVP9897
Ford 7.3L diesel engine
95-93 All Models
Shaft Diameter .650

VACUUM PUMPS

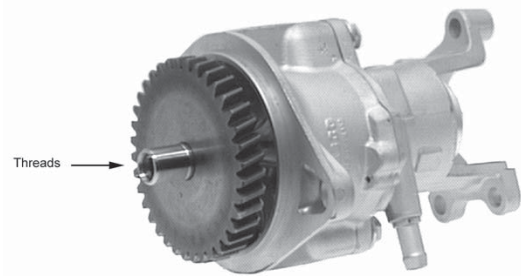
Wabco Vacuum Pumps for Dodge Diesel Pick-Up Trucks



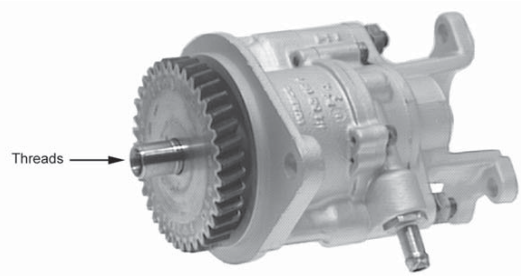
9141
Two Piece Body
Casting Number: 914-003-005-0
Gear Number: 3930431
Gear Pressed on 7/8"



9142
Two Piece Body
Casting Number: 914-003-005-0
Gear Number: 3930431
Gear Pressed on 7/8"



9143
Two Piece Body No Check Valve
Casting Number: 914-003-005-0
Gear Number: 3930431
Gear Pressed on 7/8"



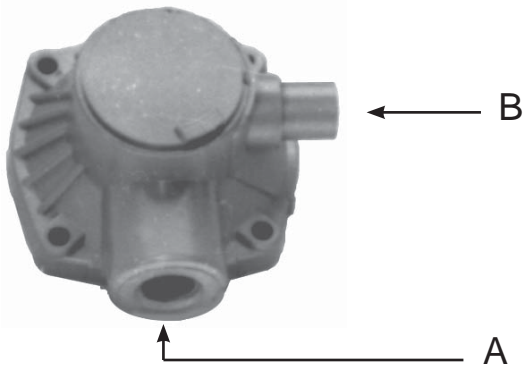
4141
Three Piece Body
Casting Numbers: 414-001-017-6
& 414-001-350-6
Gear Number: 3928393
Gear Pressed on 7/8"



4142
Three Piece Body Short Shaft
Casting Numbers: 414-001-017-6 & 414-001-350-6
Gear Number: 3902175
Gear Pressed on 7/16"

MISCELLANEOUS KITS

HYDROVAC POPPET VALVE KITS



Part No.	A	B	Units Used On:
2504131A	7/8-18	1/2"	2503151, 2504102, 2504113, 2504187, 2510555, 2512063, 2512065, 2512066
2504132A	3/4-18	1/2"	2503151, 2504102, 2504113, 2504187, 2510555, 2512063, 2512065, 2512066
2504133A	7/8-18	3/4"	2501424, 2503259, 2504105, 2504106, 2507224, 2511170, 2512059, 2512060, 2512061, 2512076, 2512138, 2512139, 2512140, 2512141, 2512142, 2513491, 2513493, 2513494, 2513812, 2513813, 2513814, 2513815
2504134A	3/4-18	3/4"	2501424, 2503259, 2504105, 2511170, 2512059, 2512060, 2512140, 2512141, 2513494, 2512813, 2513814, 2513815

HYDROVAC CHECK VALVE KIT

Part No. CV-1
Units Used On: Supplied with all Remanufactured Vacuum Hydrovac's. Kit for 1/2" vacuum hose only.



Remote Air Filters

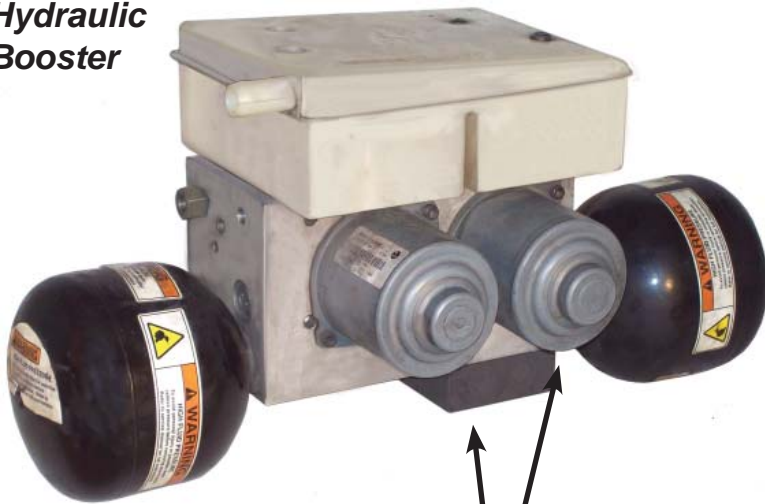
2502578 All Hydrovacs with 3/4" hose.
 2503225 All Hydrovacs with 1/2" hose.

2502578
w/ 3/4" nipple

2503225
w/ 1/2" nipple

HYDRAULIC POWER BRAKE (HPB)

**Wabco
Hydraulic
Booster**



Meritor Wabco part number	Replacement part number
S400 850 876 0	S400 850 876 7
S400 850 879 0	S400 850 879 7
S400 850 875 0	S400 850 875 7
S400 850 877 0	S400 850 877 7
S400 850 878 0	S400 850 878 7
S400 850 880 0	S400 850 880 7



3579487C93

Parking Brake Actuator for IH Busses

Application: Wabco HPB fits '06 and newer IH Busses and '07 and newer IH Trucks.

Pump
Motors



4430010501

Motor can be purchased separately

Reservoir and master cylinder assembly



Master Cylinder Part Numbers	
Wabco Part#	Application
R950055	IH Bus applications
R955421	Medium Duty Truck Applications

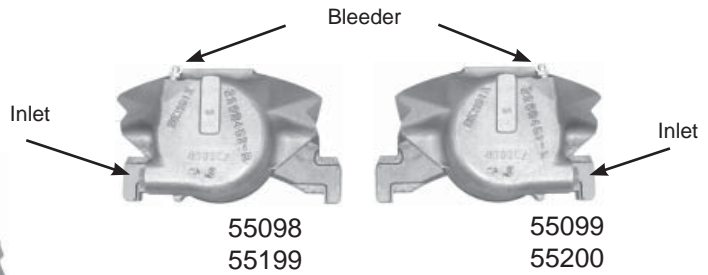
SECTION 3 CALIPER PICTURE GUIDE

CONTENTS

Bendix.....	3-2 to 3-4
Bosch.....	3-4
Dayton	3-5 to 3-8
Kelsey-Hayes	3-9 to 3-11
Rockwell	3-11
TRW.....	3-12 to 3-14
Varga.....	3-14
Isuzu	3-15 to 3-16

Medium Duty Calipers Visual Identification Guide

Bendix



55098, 55099

Application: GMC

Description: Bendix 3.38" Single piston caliper

55199, 55200

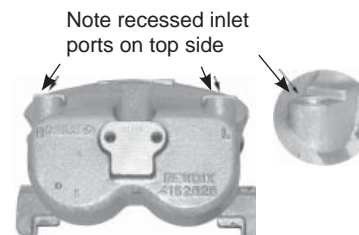
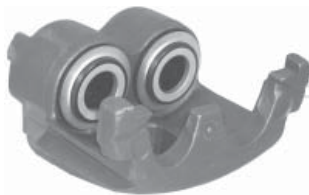
Application: Chevrolet, GMC, Dodge

Description: Bendix 3.38" Single piston caliper



Note the position of the caliper on the wheel (ahead or behind axle). If mounted ahead of the axle, the RH caliper mounts on the left side of the vehicle and LH caliper on the right side of the vehicle.

Part#	Casting#	Characteristics	Pads	Shim Kit
55098 L55098* S55098**	2238452R	Steel piston, US std. Inlet, RH	D184	SK225
S55099 L55099* S55099**	2238451L	Steel piston, US std. Inlet, LH	D184	SK225
55199 L55199* S55199**	2238452R	Steel piston, Metric. Inlet, RH	D184	SK225
S55200 L55200* S55200**	2238451L	Steel piston, Metric. Inlet, LH	D184	SK225



55804

Application: Chevrolet, GMC

Description: Bendix 2.60" Twin piston caliper

Part#	Casting#	Characteristics	Pads	Shim Kit
55804 L55804* S55804**	4152828	Right and left, recessed M10X1.5mm inlet ports on top.	D184RH	SK225

* L prefix indicates loaded caliper w/ mounting hardware and pads included.

** S prefix indicates semi-loaded caliper w/mounting hardware included.

Medium Duty Calipers Visual Identification Guide

Bendix



55313

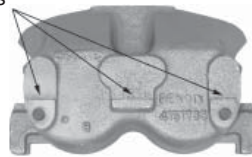
Application: Freightliner w/ air ride suspension

55314

Application: /International/Navistar

Description: Bendix 2.60" Twin piston caliper

Note cut boss
(depression)



55313CB

Note Center
Brake line
mounting
holes



55717

Note full
boss



55313

Note inlet port
location



55314

Part#	Casting#	Characteristics	Pads	Shim Kit
55313 L55313* S55313**	4151733	Low inlet port location w/full boss	D184	SK225
55313SP 55313CB 55313CBS		With steel pistons Cut boss on rear of caliper Cut boss on rear of caliper and w/ steel pistons	D184	SK225
55314 L55314* S55314**	4151733	Second design. High inlet port location. Press in piston boot.	D184	SK225
55717 L55717 S55717	4151733	Center Brake line mounting holes	D184	SK225



55250

Application: Chevrolet, GMC, Navistar

Description: Bendix 2.88" Twin piston caliper



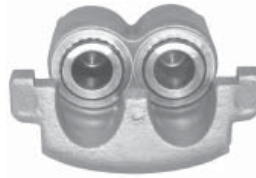
Part#	Casting#	Characteristics	Pads	Shim Kit
55250 L55250* S55250**	4150844	First & second design use the same casting#. First design- steel piston & w/soft black boot. Second design- steel faced phenolic piston with press-in grey boot.	D225	SK225
55250SP L55250SP* S55250SP**		With steel pistons.	D225	SK225

* L prefix indicates loaded caliper w/ mounting hardware and pads included.

** S prefix indicates semi-loaded caliper w/mounting hardware included.

Medium Duty Calipers Visual Identification Guide

Bendix



55656

Application: Navistar w/air suspension

Description: Bendix 2.88" Twin piston caliper

Part#	Casting#	Characteristics	Pads	Shim Kit
55656 L55656* S55656**	4152279	Right & Left, w/low inlet	D225	SK225



Metric bolt holes



55480

Application: GMC, Chevrolet

Description: Bendix 2.88" Twin piston caliper

Part#	Casting#	Characteristics	Pads	Shim Kit
55480 L55480* S55480**	4150884	Metric brake line mounting holes, metric bolts included	D225	SK225

Bosch



55849

55850

55849, 55850

Application: IHC, Navistar, Ford,
Sterling, Thomasbilt

Description: Bosch twin piston caliper

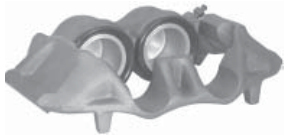
Part#	Casting#	Characteristics	Pads	Shim Kit
55849 L55849* S55849**	4153269	Right & left, 66mm, w/pin mount	D786-7654 (20.3mm)	
55850 L55850* S55850**	4153222	Right & left, 73mm, w/pin mount	D786-7655 (26.8mm)	

* L prefix indicates loaded caliper w/ mounting hardware and pads included.

** S prefix indicates semi-loaded caliper w/mounting hardware included.

Medium Duty Calipers Visual Identification Guide

Dayton



55411



55412



55411, 55412

Application: Ford

Description: Dayton 2.188" Twin piston caliper slide rail design.

Part#	Casting#	Characteristics	Pads	Shim Kit
55411 L55411* S55411**	390	Right hand, 3/8 X24 inlet w/ aluminum pistons Phenolic pistons and high temp silicon boots available upon request.	D120	
55412 L55412* S55412**	390	Left hand, 3/8 X24 inlet w/ aluminum pistons Phenolic pistons and high temp silicon boots available upon request.	D120	



55460



55461



55460, 55461

Application: Ford

Description: Dayton 2.188" Twin piston caliper V-way design

Part#	Casting#	Characteristics	Pads	Shim Kit
55460 L55460* S55460**	471, 573	Right hand, 3/8 X24 inlet w/ aluminum pistons Phenolic pistons and high temp silicon boots available upon request.	D450	
55461 L55461* S55461**	471, 573	Left hand, 3/8 X24 inlet w/ aluminum pistons Phenolic pistons and high temp silicon boots available upon request.	D450	

* L prefix indicates loaded caliper w/ mounting hardware and pads included.

** S prefix indicates semi-loaded caliper w/mounting hardware included.

Medium Duty Calipers Visual Identification Guide

Dayton



55253 shown



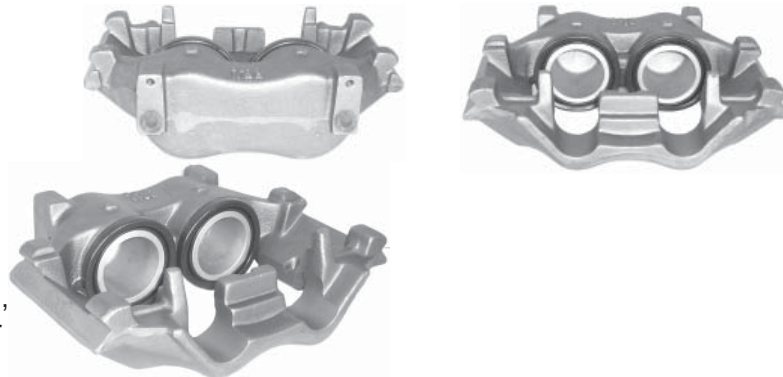
Bolt & spacer

55251, 55253

Application: Chevrolet, Ford, GMC, Navistar

Description: Dayton Walther 2.50" twin piston caliper

Part#	Casting#	Characteristics	Pads	Shim Kit
55251 L55251* S55251**	472	Slide rail design w/ 6 threaded holes.	D224	SK224
55253 L55253* S55253**	563	Slide rail design w/ 4 threaded holes. Bolt & spacer included. Can be used in place of 55251	D224	SK224



55252

Application: Chevrolet, Ford,

Description: Dayton Walther

Part#	Casting#	Characteristics	Pads	Shim Kit
55252	456, 578	Slide rail design	D236	
L55252* S55252**		Note: Left & Right applications require different hardware kits signified by "L" or "R" suffix.		

* L prefix indicates loaded caliper w/ mounting hardware and pads included.

** S prefix indicates semi-loaded caliper w/mounting hardware included.

Medium Duty Calipers Visual Identification Guide

Dayton



S60050312, S60050313

Application: GM, Navistar

Description: Dayton 2.76" Four piston caliper, 4X70mm w/ steel pistons



60050313 Pictured

Part#	Casting#	Characteristics	Pads	Shim Kit
L60050312*	581F	Right hand, 7/16" X24 side inlet ports, bolts secured with nuts	D769	
S60050312*	583F		D1032	
L60050313*	581F	Left hand, 7/16" X24 side inlet ports, bolts secured with nuts	D769	
S60050313*	583F		D1032	



S60050320, S60050321

Application: GM

Description: Dayton 2.76" Four piston caliper, 4X70mm w/ steel pistons



60050321 Pictured

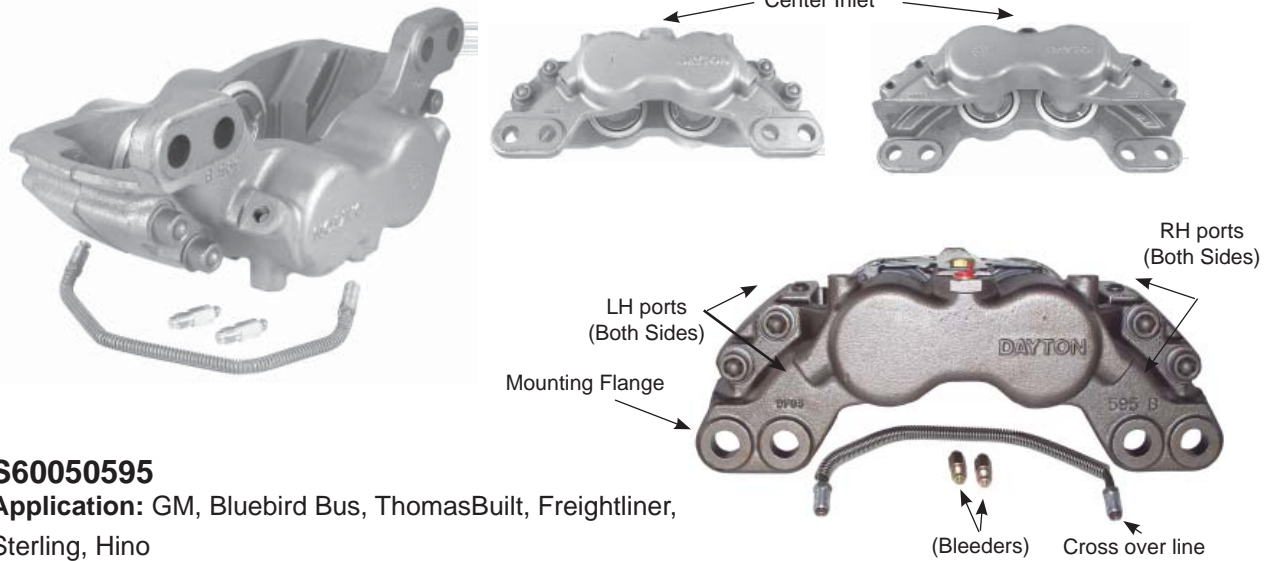
Part#	Casting#	Characteristics	Pads	Shim Kit
L60050320*	581F	Right hand, M10 X 1.5mm side inlet ports, bolts secured with nuts	D769	
S60050320*	583F		D1032	
L60050321*	581F	Right hand, M10 X 1.5mm side inlet ports, bolts secured with nuts	D769	
S60050321**	583F		D1032	

* L prefix indicates loaded caliper w/ mounting hardware and pads included.

** S prefix indicates semi-loaded caliper w/mounting hardware included.

Medium Duty Calipers Visual Identification Guide

Dayton

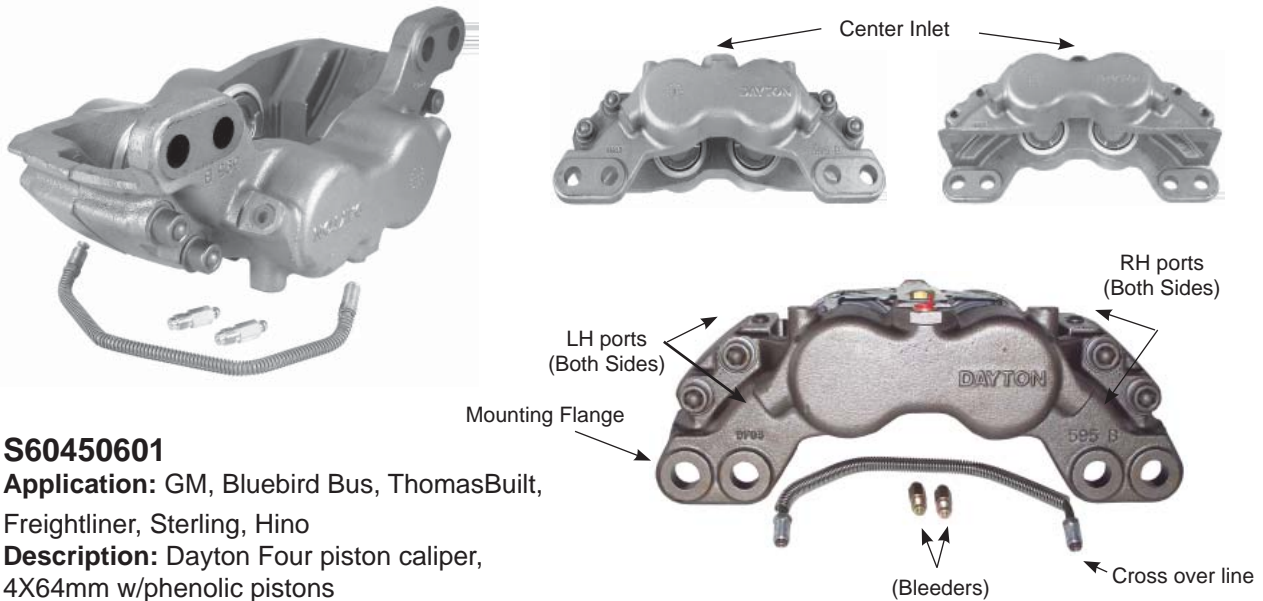


S60050595

Application: GM, Bluebird Bus, ThomasBuilt, Freightliner, Sterling, Hino

Description: Dayton 2.76" Four piston caliper, 4X70mm w/ phenolic pistons

Part#	Casting#	Characteristics	Pads	Shim Kit
L60050595*	595B	Universal right & left , 7/16" X24 center inlet. Crossover tube and bleeders included for proper installation. Replaces 60450468 & 60450469	D769	
600650595**	597B		D1032	
S60050595				



S60450601

Application: GM, Bluebird Bus, ThomasBuilt, Freightliner, Sterling, Hino

Description: Dayton Four piston caliper, 4X64mm w/phenolic pistons

Part#	Casting#	Characteristics	Pads	Shim Kit
L60450601*	601	Universal right & left w/7/16" X24 center inlet port. Crossover tube and bleeders included for proper installation. Replaces 60450473 & 60450474	D769	
S60450601**	602, 603		D1032	

* L prefix indicates loaded caliper w/ mounting hardware and pads included.

** S prefix indicates semi-loaded caliper w/mounting hardware included.

Medium Duty Calipers Visual Identification Guide

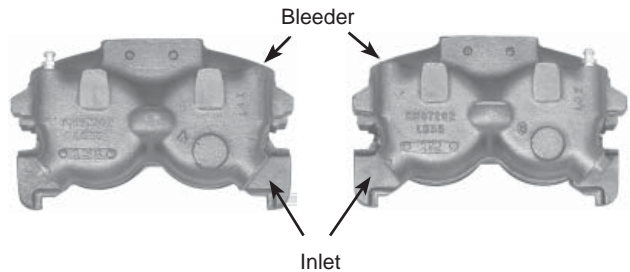
Kelsey Hayes



55454



55455



55454, 55455

Application: Dodge Truck,
Description: Kelsey Hayes 2.375" Twin piston caliper

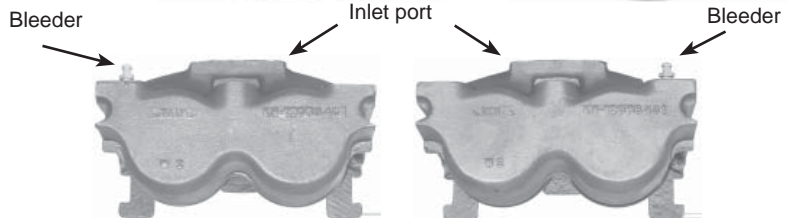
Part#	Casting#	Characteristics	Pads	Shim Kit
55454 L55454* S55454**	KH91133. 97202	Right hand, 3/8" X24 ports, CB, MB300, 350, 400, 450 motor home, cab/chassis	D87	
55455 L55455* S55455**	KH91133, 97202	Left hand, 3/8" X24 ports, CB, MB300, 350, 400, 450 motor home, cab/chassis	D87	



55604



55605



55604, 55605

Application: Ford E & F450
Description: Kelsey Hayes 2.362" (60mm) Twin piston caliper

Part#	Casting#	Characteristics	Pads	Shim Kit
55604 L55604* S55604**	KH12068401	Right hand, 3/8" X24 ports	D411	
55605 L55605* S55605**	KH12068401	Left hand, 3/8" X24 ports	D411	

* L prefix indicates loaded caliper w/ mounting hardware and pads included.

** S prefix indicates semi-loaded caliper w/mounting hardware included.

Medium Duty Calipers Visual Identification Guide

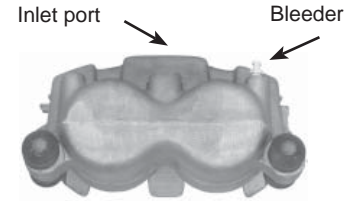
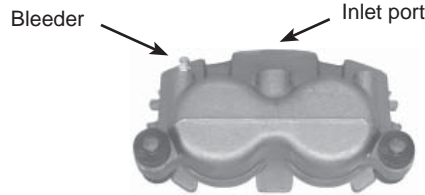
Kelsey Hayes



55861



55862



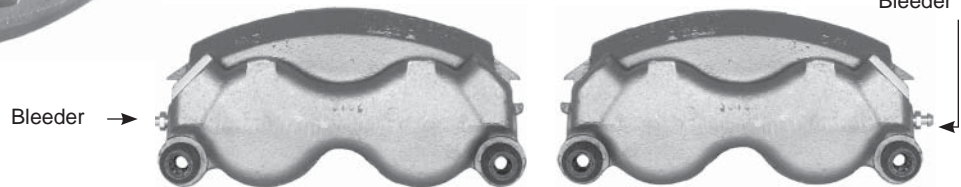
Part#	Casting#	Characteristics	Pads	Shim Kit
55861 L55861* S55861**	130307	Right hand, 3/8" x 24 inlet, phenolic piston	D777	
55862 L55862* S55862**	130307	Left hand, 3/8" x 24 inlet, phenolic piston	D777	



55748



55749



55748, 55749

Application: Ford F350, E350

Description: Kelsey Hayes 56mm Twin piston caliper

Part#	Casting#	Characteristics	Pads	Shim Kit
55748 L55748* S55748**	KH12795101	Right hand, 3/8 X 24 Inlet Port, Phenolic Pistons	D655	
55749 L55749* S55749**	KH12795101	Left hand, 3/8 X 24 Inlet Port, Phenolic Pistons	D655	

* L prefix indicates loaded caliper w/ mounting hardware and pads included.

** S prefix indicates semi-loaded caliper w/mounting hardware included.

Medium Duty Calipers Visual Identification Guide

Kelsey Hayes



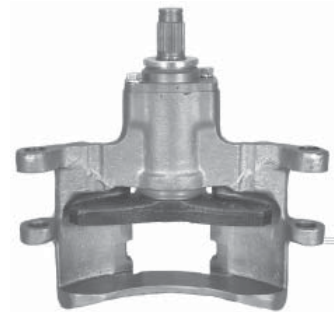
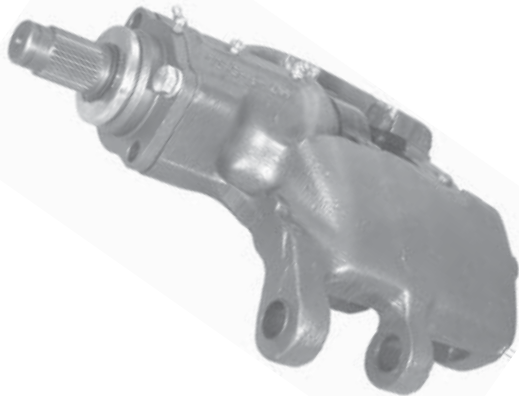
HD1002

Application: Ford & Mack Trucks w/ hydraulic front brakes and rear air brakes

Description: Kelsey Hayes 3.62" Twin piston caliper

Part#	Casting#	Characteristics	Pads	Shim Kit
HD1002 LHD1002*	KH91142-01	Universal right & left w/ steel pistons	D170 outer pad D171 inner pad	

Rockwell



ADB1540, Meritor Dura-Master

Application: Varies

Description: Rockwell Air Disc Brake Caliper

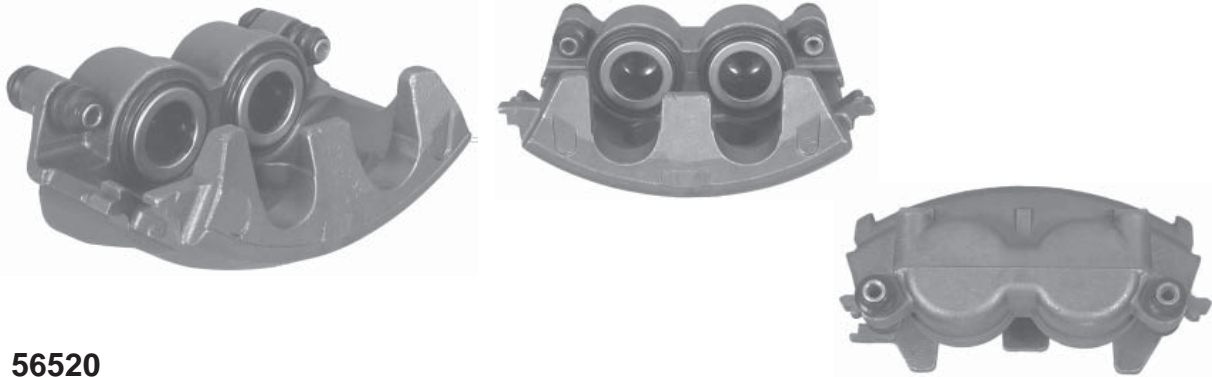
Part#	Casting#	Characteristics	Pads	Shim Kit
ADB1540R		Right hand, spindle rotates in clockwise direction		
ADB1540L		Left hand, spindle rotates in counter-clockwise direction		

* L prefix indicates loaded caliper w/ mounting hardware and pads included.

** S prefix indicates semi-loaded caliper w/ mounting hardware included.

Medium Duty Calipers Visual Identification Guide

TRW

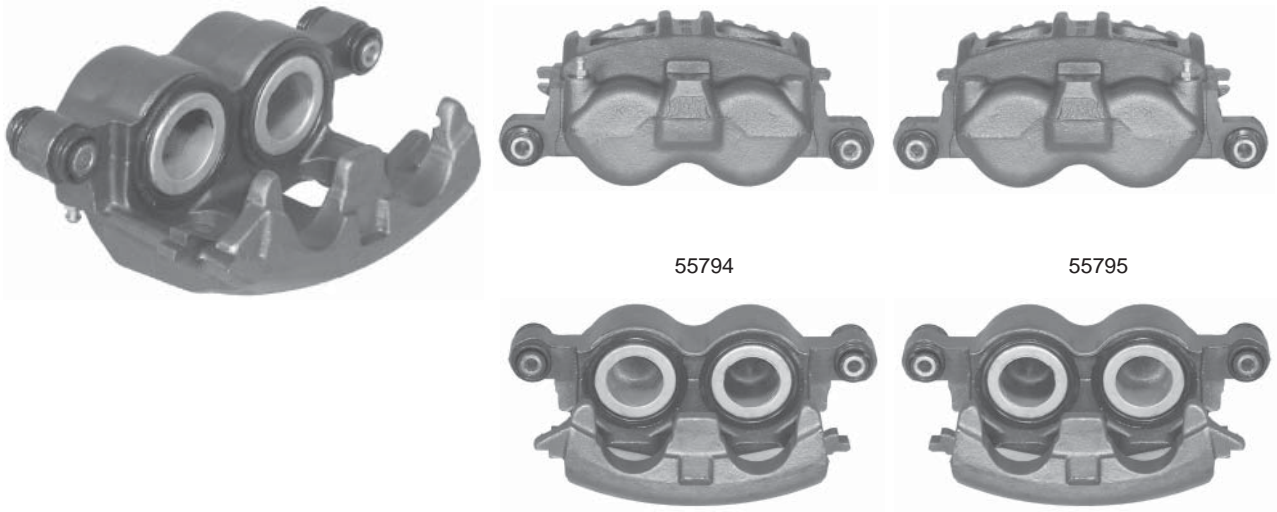


56520

Application: GMC

Description: TRW 66mm Twin Piston Caliper

Part#	Casting#	Characteristics	Pads	Shim Kit
56520 L56520 S56520	135607 145513	Right & Left 7/16" X 24 Grooved inlet.	D1010	



55794, 55795

Application: Ford F250 Super Duty

Description: TRW 51mm Twin Piston Caliper

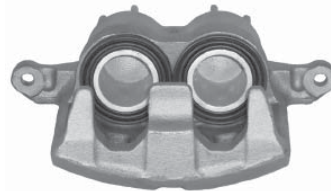
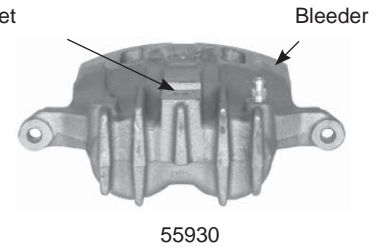
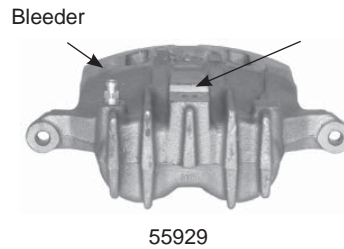
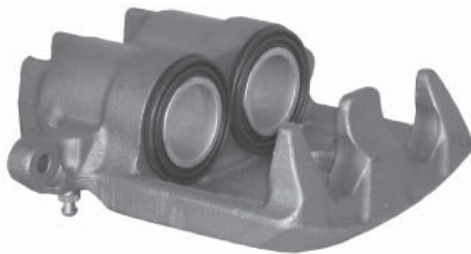
Part#	Casting#	Characteristics	Pads	Shim Kit
55794 L55794 S55794	129297	Right hand	D702	
55795 L55795 S55795	129297	Left hand	D702	

* L prefix indicates loaded caliper w/ mounting hardware and pads included.

** S prefix indicates semi-loaded caliper w/mounting hardware included.

Medium Duty Calipers Visual Identification Guide

TRW

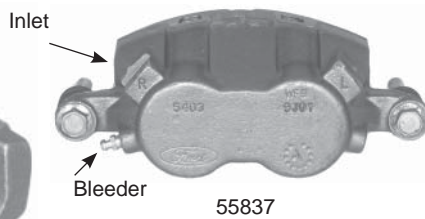


55929, 55930

Application: Ford F250 Super Duty

Description: TRW 45mm Twin Piston Caliper

Part#	Casting#	Characteristics	Pads	Shim Kit
55929 L55929 S55929	4507	Right hand	D757	
55930 L55930 S55930	4507	Left hand	D757	



55837, 55838

Application: Ford F250 Super Duty

Description: TRW 56mm Twin Piston Caliper

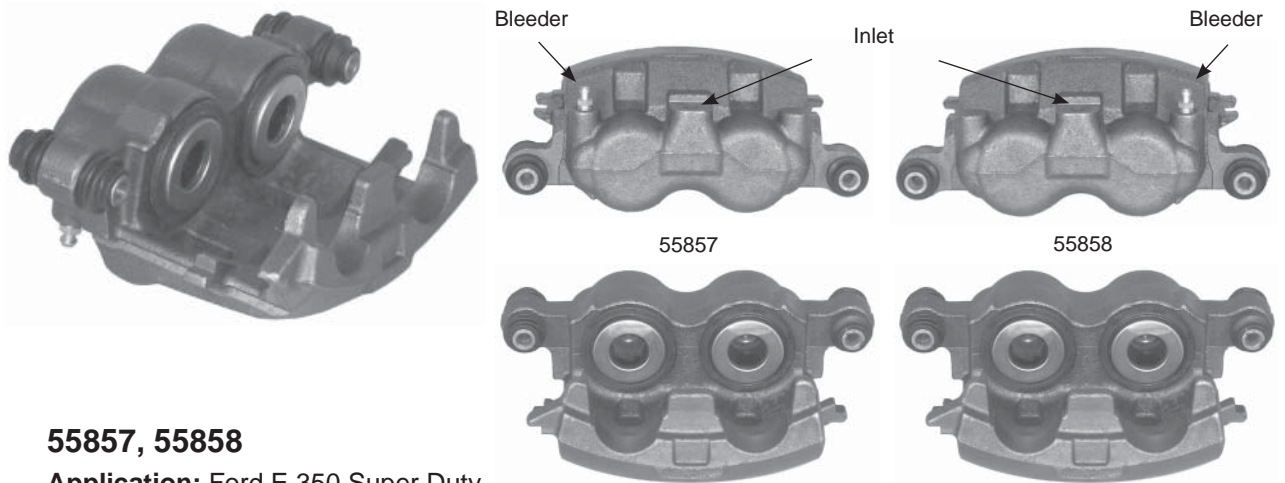
Part#	Casting#	Characteristics	Pads	Shim Kit
55837 L55837 S55837	5403	Right hand	D824	
55838 L55838 S55838	5403	Left hand	D824	

* L prefix indicates loaded caliper w/ mounting hardware and pads included.

** S prefix indicates semi-loaded caliper w/mounting hardware included.

Medium Duty Calipers Visual Identification Guide

TRW



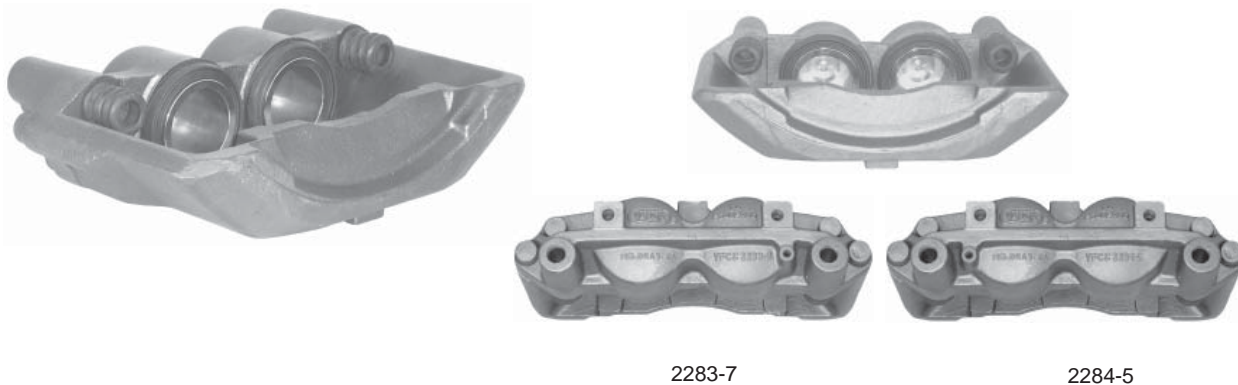
55857, 55858

Application: Ford E 350 Super Duty

Description: TRW 45mm Twin Piston Caliper

Part#	Casting#	Characteristics	Pads	Shim Kit
55857 L55857 S55857	132705	Right hand	D802	
55858 L55858 S55858	132705	Left hand	D802	

Varga



2283-7, 2284-5

Application: Ford Cargo 1985-91 CF6000-8000

Description: Varga 2.87" Twin Piston Caliper

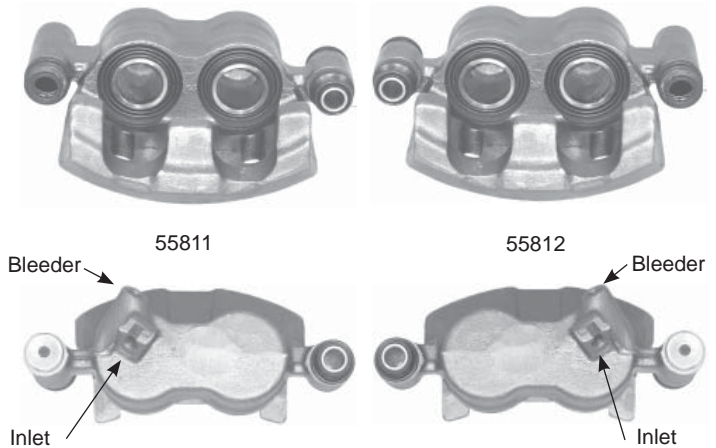
Part#	Casting#	Characteristics	Pads	Shim Kit
2283-7 L2283-7*	VFCC 0005-1 2283-7	Left hand L2283-7 Loaded includes rail assembly	D379	
2284-5 L2284-5*	VFCC 2284-5	Right hand L2284-8 Loaded includes rail assembly	D379	

* L prefix indicates loaded caliper w/ mounting hardware and pads included.

** S prefix indicates semi-loaded caliper w/mounting hardware included.

Medium Duty Calipers Visual Identification Guide

Isuzu

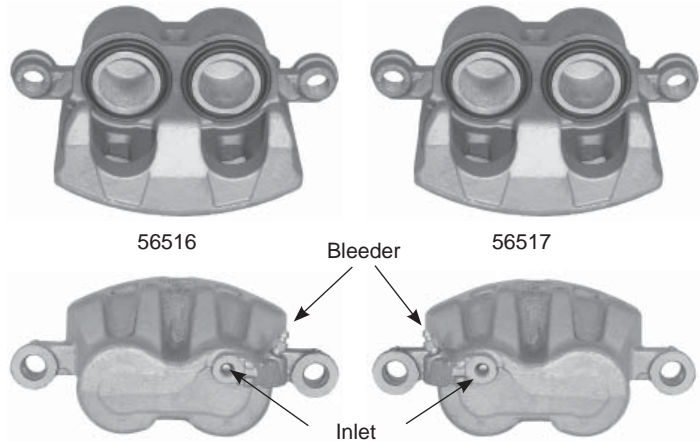


55811, 55812

Application: Isuzu NPR Series, GM W4, FC, W5

Description: 54mm Twin Piston Caliper

Part#	Casting#	Characteristics	Pads	Shim Kit
55811	AD76T	Right hand	D675	
L55811	35-16			
S55811	42107			
55812	AD76T	Left hand	D675	
L55812	35-16			
S55812	42107			



56516, 56517

Application: Isuzu NPR Series, GM W4, W5

Description: 54mm Twin Piston Caliper

Part#	Casting#	Characteristics	Pads	Shim Kit
56516	AD45V	Right hand Twin Piston	D825	
L56516	2112			
S56516	B74			
56517	AD45V	Left hand Twin Piston	D825	
L56517	2112			
S56517	B73			

* L prefix indicates loaded caliper w/ mounting hardware and pads included.

** S prefix indicates semi-loaded caliper w/mounting hardware included.

Medium Duty Calipers Visual Identification Guide

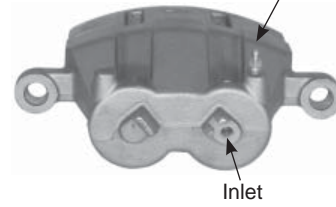
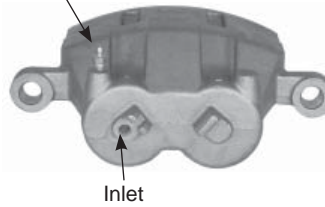
Isuzu



Bleeder 56518

56519

Bleeder



Inlet

Inlet

56518, 56519

Application: Isuzu NPR Series, GM W4, W5

Description: Isuzu 57mm Twin Piston Caliper

Part#	Casting#	Characteristics	Pads	Shim Kit
56518 L56518 S56518	AD57T 5702 146	Right hand Twin Piston	D826	
56519 L56519 S56519	AD57T 2112 B73	Left hand Twin Piston	D826	

* L prefix indicates loaded caliper w/ mounting hardware and pads included.

** S prefix indicates semi-loaded caliper w/mounting hardware included.

SECTION

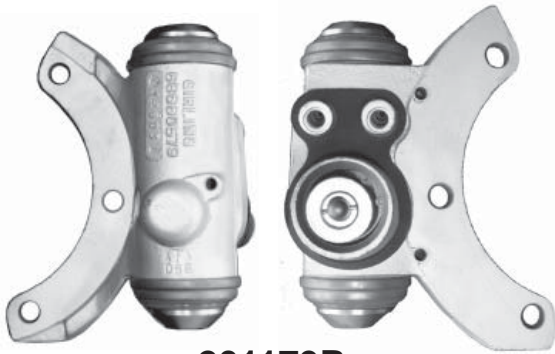
4

MISCELLANEOUS BRAKE COMPONENTS

Contents

Lucas Girling Adjusting Cylinders	4-3
Lucas Girling Park Cylinders	4-3
Lucas Girling Back Plate Assemblies	4-4
Auxiliary Components.....	4-5
Chev & GMC 1 Ton Trucks Park & Emergency Brake System.....	4-6
Driveline Parking Brake Assembly (Ford/ZF)	4-7

LUCAS BRAKE SYSTEMS PARK CYLINDERS



201179R



201180R

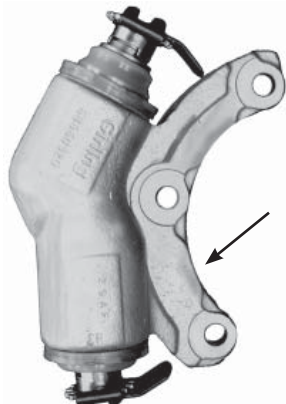
Part No.	BoreSize	Position	Casting No.
201179R	1.750"	Left Hand	68660579
201180R	1.750"	Right Hand	68660580
201181R	1.625"	Left Hand	68660579
201182R	1.625"	Right Hand	68660580

Repair Kit: SP7872 (for 1.750" cylinders only)



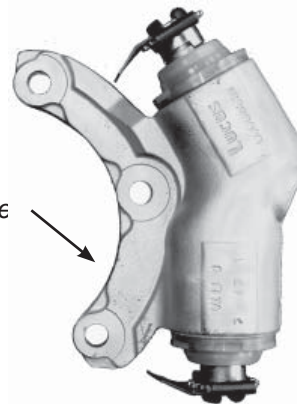
Identification of Park Cylinder bore size determined by a groove cut on the Expander and Abutment Pistons as shown. With groove indicates a 1.625" bore. Absence of groove indicates a 1.750" bore.

ADJUSTING CYLINDERS



201183R

5 or 6 stamped here



201184R

Part No.	Bore Size	Position	Casting no.
201183R	1.750"	Left Hand	68660520
201184R	1.750"	Right Hand	68660521
201185R	1.625"	Left Hand	68660520
201186R	1.625"	Right Hand	68660521

Repair Kit: SP7871 (for 1.750" cylinders only)

***NOTE:** A '5' stamped where indicated indicates 1.625" bore size, '6' indicates a 1.750" bore.

LUCAS BRAKE SYSTEMS

BACK PLATE ASSEMBLIES

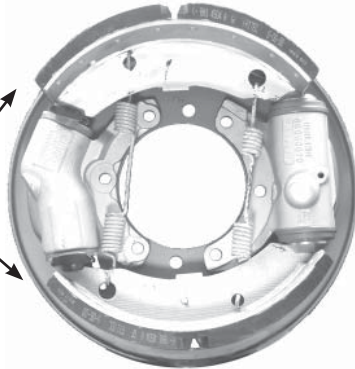


203262R
(without shoes
and hardware)

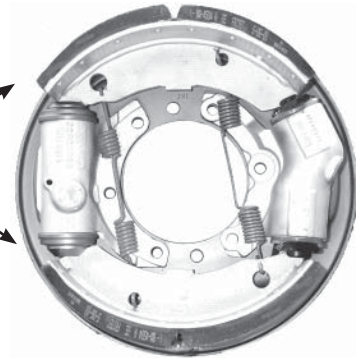


203261R
(without shoes
and hardware)

202272R
(with shoes
and hardware)



202271R
(with shoes
and hardware)

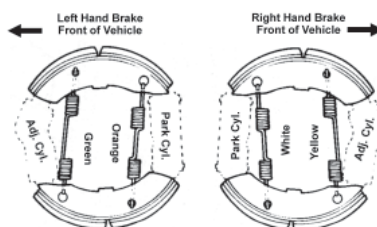


Part No.	Bore Size	Position	Shoes (yes/no)	Shoe Size
202249R	1.625"	Right Hand	yes	5"
202250R	1.625"	Left Hand	yes	5"
202251R	1.750"	Right Hand	yes	5"
202252R	1.750"	Left Hand	yes	5"
202261R	1.750"	Right Hand	yes	6"
202262R	1.750"	Left Hand	yes	6"
202271R	1.750"	Right Hand	yes	7"
202272R	1.750"	Left Hand	yes	7"
203249R	1.625"	Right Hand	no	5"
203250R	1.625"	Left Hand	no	5"
203251R	1.750"	Right Hand	no	5"
203252R	1.750"	Left Hand	no	5"
203261R	1.750"	Right Hand	no	6 / 7"
203262R	1.750"	Left Hand	no	6 / 7"

Note: To properly identify cylinder size, see reference on page 4-3.

Spring Kit included with each part number.

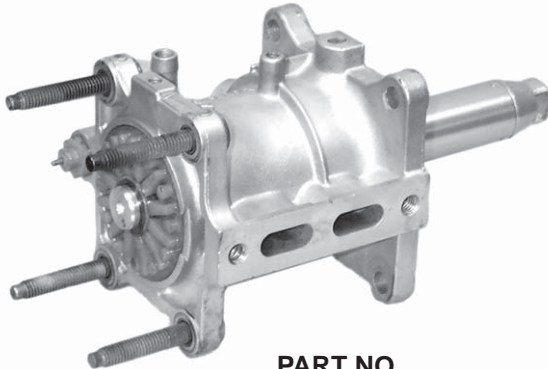
Brake Shoe Return Spring Placement Reference



LUCAS BRAKE SYSTEMS

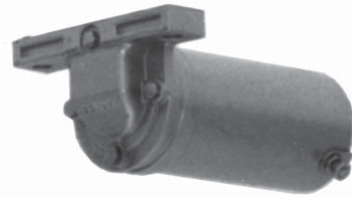
AUXILIARY COMPONENTS

BENDIX HYDROMAX



PART NO.
2770255

BENDIX PUMP & MOTOR



PART NO.
2771320

Part numbers and other valuable information found on page 2-9.

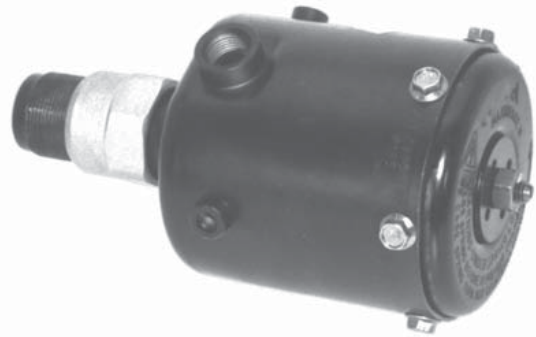
HYDRAULIC BRAKE VALVE (HR-1)



PART NO.
065060

See Air Valve Catalog, page 3-18 for additional information.

PARKING BRAKE CHAMBER

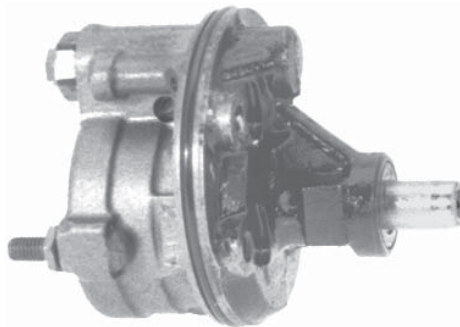


PART NO.

101H Hydraulically Released
101A Air Released

BRAKE PUMP

Output Port



PART NO.
BP-1

Application and specifications found on page 2-15.



PART NO.
RC-01

Check Valve Kit

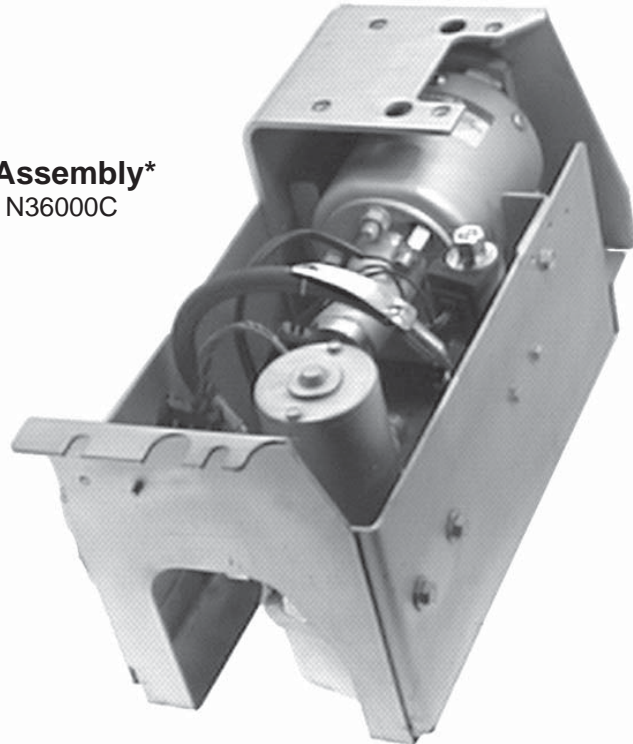
MISCELLANEOUS BRAKE COMPONENTS

Chevrolet & GMC 1 - Ton Trucks

Parking & Emergency Brake System

Complete Assembly*

Part Number: N36000C



Hydraulically Released Parking Brake Chamber

Part Number: N36000B



Hydraulic Pump & Motor

Part Number: N36000P

* Complete assemblies are subject to limited availability.

MISCELLANEOUS BRAKE COMPONENTS

Parking & Emergency Brake System for Ford Super Duty Trucks

1989 thru 2002 F and E series trucks



F Series (rear view)



Shaft (rear)

Part Number: 6051 001 035
6051 001 036

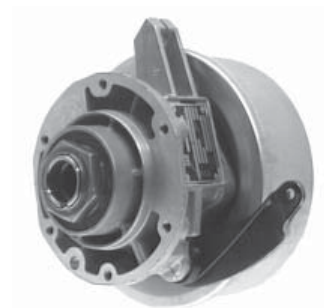


E Series (rear view)
up to 2003

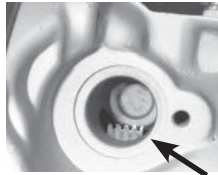


Shaft (rear)

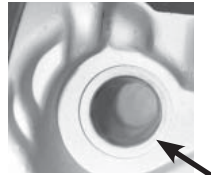
Part Number: 6051 001 041
6051 001 042



E & F Series (front view)
up to 2003 (32 spline)



*With Speedometer
drive gear (Sensor)



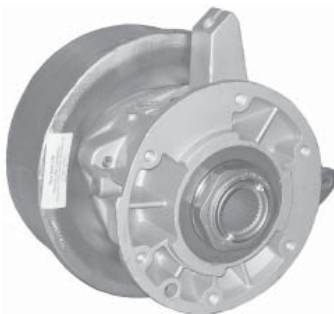
*Without speedometer
drive gear (Sensor)



*Without Sensor port
in casting

*With Sensor port in
casting

* **Note:** This parking brake unit comes in 3 versions. Part#'s 6051 001 036 and 6051 001 042) have a port that has a worm gear (sensor) that drives the speedometer cable. Part#'s 6051001 035, 6051 001 041 and 6051 001 055) have a blind hole without the sensor. Part number XXXXXX has no port in the casing



E Series 2003 and newer (34 spline)

MISCELLANEOUS BRAKE COMPONENTS

Parking & Emergency Brake System for Ford Super Duty Trucks

Cross Reference

ZF Part#	Ford Part#	Our #	ZF Part#	Ford Part#	Our #
6051 001 002	E8TA2598 BA	6051 001 036 ¹	6051 001 027	F4TA2598AA	6051 001 035 ²
6051 001 004	E9TA2598 AA	6051 001 036 ¹	6051 001 028	F4TD2598CA	6051 001 036 ¹
6051 001 009	E9TA2598 BB	6051 001 036 ¹	6051 001 029	F4TA2598BA	6051 001 035 ²
6051 001 013	F2TA2598BA	6051 001 035 ²	6051 001 031	F4TA2598AA	6051 001 035 ²
6051 001 013	F2TA2598BB	6051 001 035 ²	6051 001 032	F5TD2598CA	6051 001 036 ¹
6051 001 014	F2TA2598AA	6051 001 035 ²	6051 001 033	F5TA2598BA	6051 001 035 ²
6051 001 018	F3TA2598AB	6051 001 035 ²	6051 001 035	F6TA2598AA	6051 001 035 ²
6051 001 019	F2TD2598AA	6051 001 036 ¹	6051 001 036	F6TD2598CA	6051 001 036 ¹
6051 001 020	F2TD2598BA	6051 001 036 ¹	6051 001 041	F81Z2598BA	6051 001 041 ²
6051 001 020	F2TD2598BB	6051 001 036 ¹	6051 001 042	F8UZ2598AA	6051 001 042 ¹
6051 001 022	F2TA2598AB	6051 001 035 ²	6051 001 053		6051 001 055 ²
6051 001 023	F2TD2598AB	6051 001 036 ¹	6051 001 055		6051 001 055 ²
6051 001 024	F3TD2598DA	6051 001 036 ¹	6051 001 055	6C242598AAX	6051 001 055 ²
6051 001 025	F3TA2598CA	6051 001 035 ²	6051 001 053	3C342598AB	6051 001 055 ²
6051 001 026	F3TD2598EA	6051 001 036 ¹	6051 001 056	6C2Z2598AA	6051 001 055 ²

¹ With sensor port (worm gear)

² Without sensor port (no worm gear)

See pictures on preceeding page.

SECTION

5

CROSS REFERENCE

Contents

Light Truck Brake Systems (RPO numbers)	5-3
Abbreviations	5-3
Hydrovac Replacements	5-4
Basic Number Conversion: Bendix	5-5 to 6-7
Basic Number Conversion: Delco	5-7
Basic Number Conversion: IHC / Navistar	5-7
Basic Number Conversion: Midland	5-8
Casting Numbers: Bendix, Delco & Midland	5-9
Vacuum Pumps: ID and OEM Crosses	5-10
Light Duty Vacuum Boosters: Rod Codes	5-11
Caliper Cross Reference: Euclid to Precision	5-12
Numerical Index	5-13

CHEVROLET & GMC

1992-73 LIGHT TRUCK BRAKE SYSTEMS

ENGINE	RPO# ¹	ROTOR	REAR DRUM / ROTOR	POWER BOOSTER
Gas	JB-1	11.86" x 1.28"	11.00" x 2.00"	None
Gas	JB-3	11.86" x 1.28"	11.00" x 2.00"	9.5" Single Diaphragm
Gas	JB-5	11.86" x 1.28"	11.15" x 2.75"	9.5" x 8" Diameter Tandem Diaphragm
Gas	JB-6	12.50" x 1.28"	11.15" x 2.75"	9.5" x 8" Diameter Tandem Diaphragm
Gas	JB-7	12.50" x 1.28"	13.00" x 2.50"	9.5" x 8" Diameter Tandem Diaphragm
Gas	JB-8	12.50" x 1.53"	13.00" x 3.50"	Hydro-Boost
Gas	JB-9	14.25" x 1.53"	15.00" x 4.00"	Hydro-Boost
Gas	JF-9	14.25" x 1.53"	13.75" x 1.53"	Hydro-Boost
Diesel	JD-3	11.86" x 1.28"	11.00" x 2.00"	Hydro-Boost
Diesel	JD-5	11.86" x 1.28"	11.15" x 2.75"	Hydro-Boost
Diesel	JD-6	12.50" x 1.28"	11.15" x 2.75"	Hydro-Boost
Diesel	JD-7	12.50" x 1.28"	13.00" x 2.50"	Hydro-Boost
Diesel	JD-8	12.50" x 1.53"	13.00" x 3.50"	Hydro-Boost

¹Regular Production Option Number
Refer to Application Guide for Part Numbers

Abbreviations

AC	Allis Chalmers	Unit Types (UT)
C	Chevrolet	
CK	Clark	
DT	Diamond T	
D	Dodge	
F	Ford	
G	GMC	
GA	General Application	
H	Hyster	
I	I.H.C.	
(L)	Left Hand	
MH	Motor Home	
MI	Miscellaneous	
M	Mack	
(R)	Right Hand	
RPO	Regular Production Option	
S	Studebaker	
W	White	
AP	Air Pac	
B	Booster	
CA	Combined Application	
DB	Delco Booster	
DH	Delco HyPower	
DP	Delco Dual Power	
DV	Duovac	
H	Hydrovac	
HB	Hydroboost	
HP	Midland HyPower	
HM	Hydromax	
M	Mini-Pac	
MC	Master Cylinder	
MP	Multi-Pac	
MV	Multi-Vac	
PM	Pump & Motor	
SDH	Single Diaphragm Hydrovac	
SPH	Single Piston Hydrovac	
TPH	Tandem Piston Hydrovac	
TH	Tandem Hydrovac (dia. type)	
V	Velvac	
UV	Midland Ultravac	

COMMONIZED HYDROVAC REPLACEMENTS

Listed below are “late model” OE replacement unit numbers and the “old number” units they replace. We feel that even though the unit function is the same, these are not direct replacements. This is due to the fact that it is necessary to modify mounting and plumbing for many applications. We offer the direct replacement by original application. Refer to application section of catalog for proper replacement.

New Hydrovac Packaged No.	Old Hydrovac's Replaced				
2514916 (4150982)	2503151 2504102	2510640 2512063	2514504		
2514917 (4150983)	2500517 2504055	2504105 2504985	2512076 2504058	2513171 2513494	
2514918 (4150984)	2510065 2512138	2511170			
2514919 (4150985)	2504106 2504109 2510401	2504616 2508643 2512142	2509870 2510400 2513811	2512644 2513491 2513816	2513493 2513812
2514920 (4151108)	2509364 2509559	2512140 2512141	2512569 2509547		
2515029 (4151217)	2512061 2513492	2512062			
2515030 (4151219)	2513026				
2515050 (4151228)	2509140 2512064	2512065 2512066	2512139 2512554	2512570 2513813	2513814 2513815
2515074 (4151229)	2504113				

BENDIX CONVERSION TO BASIC NUMBERS

U.T.	Part No.	Basic No./ Gen. Application	Pic. Ref.	U.T.	Part No.	Basic No./ Gen. Application	Pic. Ref.	U.T.	Part No.	Basic No./ Gen. Application	Pic. Ref.
	108671	2770255			379315	379900		H	2503151	C-G	5
	108762	2770256		SPH	379474	MI	1		2503230	2503566	
	108763	2770454			379481	2501001			2503258	2512140	
	129644	2770767			379492	379900		H	2503259	F	5
	129648	2770767			379695	2500660		M	2503566	I	4
	129650	2771173			379776	379900		AP	2503703	I	4
	129651	2771173			379863	2500487			2504052	2512076	
	129684	2770767		SPH	379900	I-M	1		2504055	2512076	
	129685	2771173			2500085	2500660			2504058	2504105	
	129686	2771173		MP	2500086	C-G	4	H	2504102	C-G	5
	129687	2771173		MP	2500087	C-G	4	H	2504105	I	5
	129688	2770767			2500137	2500086		TH	2504106	C-G	6
	129694	2771173			2500138	2500087			2504109	2504106	
	373853	374980			2500187	2503566			2504111	2504102	
	374000	379474		SPH	2500397	C-G-F-I-M	1		2504112	2504106	
TPH	374229	DT-I-M-W	2		2500420	2500660		H	2504113	C-G	5
TPH	374230	I-M-W	2	TPH	2500487	D	2		2504114	2504113	
TPH	374300	M-W	2		2500506	2502702			2504115	2504106	
SPH	374550	MI	1		2500509	2501001			2504150	2504187	
SPH	374750	MI	1	SDH	2500517	D-I-M	3		2504151	2504188	
SPH	374980	MI	1		2500521	374550		AP	2504183	C	4
	375100	374550		SDH	2500660	C-G	3		2504184	2504183	
SPH	375278	DT-F-I-M	1	AP	2500685	F-G-W	4	H	2504187	I	5
SPH	375279	DT-F-G-I	1	AP	2500690	MI	4	H	2504188	I	NS
	375440	2500685		AP	2500695	MI	4		2504303	2503151	
	375680	2500517			2500700	2500690			2504304	2512065	
	375698	374980			2500710	2500690			2504305	2513812	
	375756	2500690			2500715	2500690			2504306	2513812	
	375757	2500695			2500720	2500690		AP	2504338	AC	4
	375817	2500685			2500735	2500690			2504398	2504183	
AP	375844	I-M-W	4		2500755	2500770			2504399	2504183	
	375866	374750		H	2501001	F-W	3		2504615	2513493	
	375901	2500690			2501029	2509426			2504616	2513491	
	375932	374750			2501220	2504102			2505051	2505500	
	375941	2500690			2501310	2502646			2505087	2505229	
	376155	2501001			2501350	2512140		MV	2505229	C-G	14
AP	376440	G	4		2501370	2503259			2505396	2505500	
SPH	376500	C	1	H	2501424	F	5		2505479	2513812	
	376504	2500690			2501625	2504105		MV	2505500	F	12
TPH	376658	CK-F	2		2501666	2502646		AP	2505516	C	4
	376664	374230			2501847	2504102			2505779	2505500	
	376700	379900			2501850	2504113			2506209	2513493	
	376710	375279			2501851	2504106			2506352	2508400	
	376712	2500690			2501852	2504106			2506420	2508400	
	376755	376500		MP	2502061	C-G	4		2506663	2508523	
	376862	378265			2502062	2502061			2506665	2508523	
	376970	377011			2502075	2504102			2506795	2508523	
SPH	377011	MI	1		2502076	2504113			2506882	2507652	
	377042	374750			2502077	2504106		TH	2507224	F	6
	377144	376500			2502078	2504106			2507376	2509140	
	377215	374980			2502107	2502061			2507377	2509140	
	377372	376500			2502108	2502061			2507378	2509140	
	377452	374229		SDH	2502119	I	3		2507650	2507652	
	377456	2500690			2502281	2502646		MV	2507652	F	14
	377543	379900			2502340	2500397			2507713	2510952	
	377600	379900			2502503	2502702			2507715	2510952	
	377615	379900			2502536	2503566			2507718	2510952	
	377623	374229			2502602	2502703			2507727	2508523	
	377678	378003		MV	2502646	I	NS		2507728	2508523	
	377800	2500397		M	2502702	D-W	4		2507730	2508523	
TPH	377839	D	2	SPH	2502703	I	1		2507732	2507632	
SPH	378003	S	1		2502711	2502970			2507860	2512059	
	378182	376500			2502712	2502842			2508014	2509140	
	378265	379900			2502731	2502759			2508059	2512059	
	378464	374750		MV	2502842	C	12		2508065	2513491	
	378589	2500690			2502896	2512076			2508096	2512066	
	378600	2500690			2502982	2512076			2508099	2510999	
	378802	379474			2503098	2513813			2508113	2510999	
	378804	2500397			2503123	2513812		SPH	2508177	F	1
	378855	379900			2503139	2512065			2508336	2511083	

BENDIX CONVERSION TO BASIC NUMBERS

U.T.	Part No.	Basic No./ Gen. Application	Pic. Ref.	U.T.	Part No.	Basic No./ Gen. Application	Pic. Ref.	U.T.	Part No.	Basic No./ Gen. Application	Pic. Ref.
	2508338	2511083			2511172	2512141		MV	2514483	C-G	14
	2508350	2508523			2511173	2512139		MV	2514490	C-G	12
	2508351	2508523			2511174	2512142		MV	2514491	C-G	12
	2508356	2508523		MV	2511226	F	14	MV	2514492	C-G	14
	2508379	2509140		MV	2511488	C-G	14	MV	2514493	C-G	14
	2508398	2508400			2511559	2511564		MV	2514553	F	12
MV	2508400	C-G-I	14	MV	2511564	F	14	MV	2514751	D	14
	2508401	2508400		MV	2511572	D	14	MV	2514752	D	13
	2508506	2508400		MV	2511597	F	14	MV	2514776	D	
MV	2508523	F	12	H	2512059	I	5	MV	2515075	F	14
	2508557	2510958		H	2512060	I	5	MV	2515076	F	14
	2508558	2510958		H	2512061	I	5	MV	2515227	D	12
	2508577	2510958		H	2512062	D	5	MV	2515228	D	12
	2508597	2512060		H	2512063	D	5	MV	2515298	F	
	2508610	2512066			2512064	2512065		MV	2515380	D	14
	2508638	2509140		H	2512065	C-G	5	MV	2516106	F	
	2508643			H	2512066	C-G	5	MV	2516107	F	
				H	2512076	I	5	MV	2516108	F	12
	2508819	2512060		H	2512138	F	5	MV	2516765	D	
	2508827	2512065		H	2512139	F	5	MV	2517-G26	D	
	2508829	2512066		H	2512140	F	5	MV	2518525	D	
DV	2508943	2508523	7	H	2512141	F	5	MV	2518555	F	
	2509140	F		TH	2512142	F	6	MV	2518642	C-G	14
	2509143	2509140			2512165	2511083		MV	2518643	C-G	
	2509146	2509140			2512189	2512140		MV	2518644	C-G	
	2509149	2509140			2512190	2512139		MV	2518656	F	
	2509152	2509140			2512229	2509140		MV	2518659	C-G	
	2509153	2509426		MV	2512292	F	12	MV	2518661	C-G	
	2509364	2512140		MV	2512293	F	12	MV	2518664	C-G	
SPH	2509426	F	1	MV	2512294	F	14	MV	2519636	F	
	2509547	2512141		MV	2512296	F	13	MV	2519970	F	
	2509558	2512139		MV	2512298	F	13		2710030	2771173	
	2509559	2512140		MV	2512300	F	14		2770002	2770767	
	2509605	2512142			2512554	2512139			2770003	2771173	
	2509616	2503151			2512569	2512140			2770004	2771173	
	2509870	2513493			2512570	2512140			2770019	2771173	
	2510027	2512062		MV	2512617	D			2770032	2771173	
	2510033	2510965		MV	2512643	D	12		2770055	2771173	
	2510065	2512138		MV	2512669	F	12		2770056	2771173	
	2510182	2510819		MV	2512671	F	14		2770057	2771173	
	2510241	2503151		MV	2512675	F	12		2770058	2771173	
	2510282	2510999		MV	2512681	F	14		2770059	2771173	
	2510400	2513812		MV	2512790	D	14		2770060	2771173	
	2510401	2513812		MV	2512837	D	14		2770062	2771173	
MV	2510468	F	13	MV	2512838	D	12		2770067	2771173	
H	2510555	C-G(MH)	5	MV	2512839	D	14		2770070	2771173	
	2510640	2503151		MV	2512980	F	13		2770079	2771173	
	2510680	2510728		MV	2513006	F	14		2770091	2771173	
MV	2510728	D	14		2513026	2512138			2770099	2771117	
MV	2510764	D	14		2513171	2512076			2770100	2771117	
	2510786	2511083		MV	2513294	D	12		2770101	2771117	
	2510790	2511083		MV	2513355	D	12		2770102	2771117	
MV	2510794	F	12	TH	2513491	I	6		2770106	2771119	
MV	2510799	F	13		2513492	2512141			2770107	2771117	
	2510813	2512063		TH	2513493	I	6		2770111	2771117	
	2510813	2512063		H	2513494	I	5		2770141	2770255	
MV	2510819		F		2513811	2513812			2770142	2770255	
	2510824	2511083		TH	2513812	C-G	6		2770143	2770255	
	2510834	2511083		TH	2513813	C-G	6		2770148	2771117	
MV	2510874	I	14	H	2513814	C-G	5		2770159	2771117	
MV	2510947	I	14	H	2513815	C-G	5		2770160	2771117	
MV	2510952	D	14	MV	2513845	D	14		2770161	2771117	
MV	2510958	D	14	MV	2513866	F	12		2770162	2771117	
MV	2510965	D	14	MV	2513869	F	12		2770166	2771117	
MV	2510999	I	14	MV	2513872	F	14		2770181	2770255	
	2511002	2510999		MV	2514023	D	14		2770182	2770255	
MV	2511018	CK	14	MV	2514110	F	14		2770197	2771117	
MV	2511083	F	14	MV	2514207	F	13		2770215	2770255	
H	2511170	F	5	MV	2514224	D	12		2770216	2770255	
	2511171	2512141		MV	2514462	D	12		2770220	2770255	

BENDIX CONVERSION TO BASIC NUMBERS

U.T.	Part No.	Basic No./ Gen. Application	Pic. Ref.	U.T.	Part No.	Basic No./ Gen. Application	Pic. Ref.	U.T.	Part No.	Basic No./ Gen. Application	Pic. Ref.
	2770221	2770255			2770765	2771119			2771559		9
	2770222	2771117		HB	2770767	C-G	8	HB	2771577	C-G	8
	2770223	2771117		HB	2770814	C-G	8	HB	2771578	C-G	8
	2770224	2771117		HB	2770916	C	8	HB	2771593	C-G	8
	2770227	2771117		HB	2771030	D	8	HB	2771717	C-G	8
	2770228	2770255			2771040	2771320		HB	2771721	C-G	8
	2770229	2770255		HB	2771117	C-G	8	HB	2771742	C-G	8
	2770238	2770255		HB	2771118	C-G	8	HB	2771743	C-G	8
	2770240	2770256		HB	2771119	C-G	8	HB	2771744	C-G	8
	2770242	2770255		HB	2771155	C-G	8	HB	2771745	C-G	8
HM	2770255	F	9	HB	2771173	G(MH)-D	8	HB	2771746	C-G	8
HM	2770256	F-I	9	HB	2771250	C-G	8	HB	2771790	C-G	8
HB	2770270	C-G	8	PM	2771320	F, I	9	HB	2771791	C-G	8
HB	2770317	C-G	8		2771371	2770255		HB	2771792	C-G	8
HB	2770390	C-G	8		2771420	2771494		HM	2772184	C-G-F	8
HB	2770391	C-G	8		2771468	2771494		PM	2772301	C-G	9
HB	2770433	F	8	PM	2771494	F, I	9	MH	2772181	C-G-F-I	9
HM	2770454	I	9		2771532	2771494					
HB	2770481	F	8	PM	2771544	F, I	9				
HB	2770520	C-G(HM)	8		2771552	2770454					
HB	2770726	C-G-D	8		2771558	2770255					

DELCO MORAINÉ CONVERSION TO BASIC NUMBERS

U.T.	Part No.	Basic No./ Gen. Application	Pic. Ref.	U.T.	Part No.	Basic No./ Gen. Application	Pic. Ref.	U.T.	Part No.	Basic No./ Gen. Application	Pic. Ref.
	18001029	18003998		DB	18013061	C-G		DB	18021125	C-G	
DP	18001047	C-G	11	DB	18013986	C-G		DB	18021126	C-G	
DP	18001072	C-G	11	DH	18014080	C-G		DB	18021310	C-G	
DP	18001073	I	11	PM	18015776	18006974	10	DB	18021897	C-G	
	18001148	18001810			18016057	C-G		DB	18022044	C-G	
	18001229	18003998		DB	18016058	C-G		DB	18022072	C-G	
DH	18001810	C-G	10		18017187	18014080		DB	18029985	C-G	
PM	18001812	18006974	10			18017730					
DP	18003144	I	11		18014080						
DB	18003686	C-G			18018077	18001810					
DH	18003998	I	10			18018131					
	18004527	18001810			18001810						
	18005539	18001047			18018132	18014080					
	18006232	18001810				18019352					
PM	18006974	C-G			18014080 w/ rod						
	18007368	18006974		DB	18019415	C-G					
	18008773	18001072			18019576	18014080					
	18008972	18001047			18019639	18006974					
	18008973	18001072		DB	18020202	C-G					
	18008974	18001047		DB	18020203	C-G					
	18011248	18001810			18020383	18014080					
	18011482	18001810			18020710	18014080 w/ rod					
	18012148	18001810									
	18012330	18001810									

IHC / NAVISTAR CONVERSION TO BASIC NUMBERS

Part No.	Basic No.	Part No.	Basic No.
484238C91	18003998	1653762C92	2770454
501817C91	18003144	1656981C1	2771494
501828C91	18001047	1663064C91	2770454
504838C91	18003998	1669555C91	2232914
504839C91	18006974	1669561C1	2771494
572075C91	11912	1675774C91	2770454
572076C91	11908	1691291C91	2232914
1646975C91	2233866	1669311C91	55314
1669556C91	69556	1658443C91	55250
1646978C91	2770256		

MIDLAND CONVERSION TO BASIC NUMBERS

U.T.	Unit No.	Booster	M/C	Appl.	Pic.	U.T.	Unit No.	Booster	M/C	Appl.	Pic.
HP	C447			MI	NA	HP	C4042D			G	28
HP	C448T			D	15	B	C4044D			F	30
HP	C449			D	NA	B	C4044K			I	31
HP	C462C			F	16	HP	C4055			C-G	32
HP	C462H			F	16	HP	C4056			C-G	32
HP	C464R			D	17	HP	C4057C			MI, G	33
HP	C468C			C-D-MI	18	HP	C4058			MI, G	33
HP	C468L			C-D-MI	18	CA	C4063	C4044D	C3472SD		30
UV	C472A			MI	19	CA	C4072A	C4044K	C3510SA		31
UV	C479B			MI	19	CA	C4072C, D, & F	C4044K	C3510SX		31
HP	C490B			MI	20	CA	C4073A	C4044K	C3510SA		31
HP	C490G			MI	20	CA	C4047G	C4037L	C3492SX		29
HP	C3400			MI	NA	CA	C4074A, C	C4037N	C3492SX		29
HP	C3401			MI	NA	CA	C4083D, F	C4084J	C3502SB		34G
MC	C3472SD			F	40	B	C4084B			C-G	34A
MC	C3492SX			C-G	37	B	C4084C			I	34B
MC	C3496SX			F	38	B	C4084E			F	34C
MC	C3500SD		C3500SF			B	C4084H			F	34E
MC	C3500SE			I	41	B	C4084J			D	34G
MC	C3500SF			F	42	CA	C4085G, J, & N	C4084E	C3500SF		34D
MC	C3502SB			D	43	CA	C4085H	C4084E	C3496SC		34C
MC	C3503SX			C-G	44	CA	C4085M, T	C4084H	C3500SF		34E
MC	C3507SB			F	39	CA	C4085P	C4084H	C3507SB		34F
MC	C3510SA			I	45	CA	C4089A, D, & G	C4084B	C3503SX		34A
MC	C3510SX			I	46	CA	C4089B, F	C4084C	C3500SE		34B
HP	C4003			MI	21	HP	C4090			C-G	35
HP	C4007			MI	22	CA	C4091K	C4037L	C3492SX		29
HP	C4012E			C-G	23	CA	C4093	C4084H	C3507SB		34F
HP	C4013E			C-G	24	CA	C4093C	C4084B	C3503SX		34A
UV	C4021			MI	NA	CA	C4093D	C4084C	C3500SE		34B
CA	C4025J, K, & R	C4030B	C3472SD		26	CA	C4093	C4084E	C3496SC		34C
B	C4028A			F	25	CA	C4093F	C4084J	C3502SB		34G
CA	C4029J, K, & L	C4028A	C3472SD		25	CA	C4093H	C4084B	C3503SX		34A
B	C4030B			F	26	CA	C4093K	C4084H	C3507SB		34F
CA	C4031B, C, H, & J	C4030B	C3472SD		26	CA	C4093L	C4084B	C3503SX		34A
HP	C4034			G	27	CA	C4093N	C4084J	C3502SB		34G
HP	C4035A			G	27	CA	C4096A	C4044K	C3510SX		31
HP	C4036A			G	28	CA	C4096B	C4044K	C3510SA		NA
	C4037F	C4037L				UV	C4702			Misc. Trailers	36
	C4037G	C4037N									
B	C4037L			C	29						
B	C4037N			G	29						
	C4037P	C4037N									
HP	C4042B			G	28						

Air Hy-Powers available special order only.

To provide the broadest coverage from your inventory, Midland Firewall Mounted Boosters are listed separately. To order a complete unit, order Booster and Master Cylinder shown in interchange or application listing.

UNIT NUMBERS SHOWING UNIT TYPE (U.T.) AND GENERAL APPLICATION ARE BASIC NUMBERS

CASTING NUMBERS

Bendix Casting Numbers

Casting #	Precision #	Comments
2232543	12632	Mini Master Cyl. w/ switch, Ford application.
2230600	1-3/4" bore	Mini Master Cylinder
2230605	2" bore	Mini Master Cylinder
2771209	2770256	Hydromax
2771293	2770255	Hydromax, old style
2771371	2770255	Hydromax, new style
2771424	2770454	Hydromax II
2772114	2772184	Hydromax II used with 1 3/4" Bore Master Cylinder
2772114	2772181	Hydromax II used with 2" Bore Master Cylinder

Delco Moraine Casting Numbers

Casting Number	Precision Number	Comments
2623435	18001810	Hy-Power
2623435	18003998	Hy-Power
2623501	18001047	Dual Power
5474216	18001810	Hy-Power w/ Internal relief valve
18015785	18001810	Hy-Power, casting machined to fit this application.
18015785	18014080	Hy-Power

Midland Casting Numbers

CASTING NUMBER	UNIT NO. (S)	COMMENTS	CASTING NUMBER	UNIT NO. (S)	COMMENTS
C-3359	C449		300206	C3462	Single M.C.
C-3388	C462C		300206G	C3472	Single M.C.
C-3388	C468C & L		300308	C4036A	
C-3388	C472A		300308	C4042B & D	
C-3388	C4021		300318	C4057C	
C-3389	C464R		300318	C4058	
C-3389	C479B		300318	C4090	
C-3389-AA	N4185E, G	Pressure Converter II	300320	C4055	
C-3389-AA	N4195A, B		300320	C4056	
C-3389-AA	N4285A		300321	C4034	
C-3389-T	N4185C	Pressure Converter II	300322	C4035A	
C-3389-T	N4285		300322-L	C4702	
C-3389-T	N4385A		300358	C3492SX	Single M.C.
C-3395	C3400		300371	C3472SD	Single M.C.
C-3395	C3401		300406-C	C3503SX	Split M.C.
C-3433	C462H		300406-F	C3500SF	5 3/4" Push Rod
C-3433	C462N		300406-F	C3510SA	3 1/2" Push Rod
300001	C4003		300406-F	C3510SX	3 1/2" Push Rod
300001	C4007		300407-C	C3502SB	Split M.C.
300001	C4012E		300455	C3507SB	Single M.C.
300007	C490B		300459-A	C3500SE	Split M.C.
300007		C490G	400160	KN35020	N.S. Pressure Conv.
300028	C4013E				

BENDIX VACUUM PUMP CROSS REFERENCE

Unit I.D. to OEM Number to Precision Number

I.D. Code	OEM Part #	Precision Part #	I.D. Code	OEM Part #	Precision Part #	I.D. Code	OEM Part #	Precision Part #
3115	2513115	2513115	3177	2513177	2513129	4GA	2504145	2513176
3116	2513116	2513116	2AB	2501018	2513128	4GB	2504179	2513129
3117	2513117	2513117	2AF	2501042	2513175	4KI	2508028	2513130
3127	2513127	2513129	2AG	2502127	2513130	4W	2500948	2513129
3128	2513128	2513128	3AB	2506113	2513116	5J	2507719	2513116
3129	2513129	2513129	3AF	2501042	2513175	5JA	2512623	2513136
3130	2513130	2513130	3AK	2503780	2513128	AA	373156	2513129
3131	2513131	2513128	3AL	2504057	2513129	AB	375246	2513128
3132	2513132	2513132	3G	2501020	2513177	AF	2500410	2513175
3133	2513133	2513129	3G	2503199	2513117	GG	372819	2513117
3134	2513134	2513134	3J	2501015	2513116	JJ	372818	2513116
3135	2513135	2513116	3L	2501000	2513115	LL	372817	2513115
3136	2513136	2513136	3U	2501031	2513130	UU	373090	2513130
3172	2513172	2513172	3V	2501028	2513128	V V	373089	2513128
3173	2513173	2513128	3X	2501023	2513172	WW	372820	2513129
3174	2513174	2513130	4G	2501454	2513129	XX	373095	2513172
3175	2513175	2513175	4G	2512548	2513134			
3176	2513176	2513176	4GA	2503054	2513176			

OEM Number to Precision Number

OEM No.	Precision No.	OEM No.	Precision No.	OEM No.	Precision No.
372817	2513115	2501042	2513175	2513127	2513129
372818	2513116	2501454	2513129	2513128	2513128
372819	2513117	2502127	2513130	2513129	2513129
372820	2513129	2502558	2513172	2513130	2513130
373089	2513128	2503054	2513176	2513131	2513128
373090	2513130	2503199	2513117	2513132	2513132
373095	2513172	2503780	2513128	2513133	2513129
373156	2513129	2504057	2513129	2513134	2513134
375246	2513128	2504145	2513176	2513135	2513116
2500410	2513175	2504179	2513129	2513136	2513136
2500948	2513129	2506113	2513116	2513172	2513172
2501000	2513115	2507719	2513116	2513173	2513128
2501015	2513116	2508028	2513130	2513174	2513130
2501018	2513128	2512548	2513134	2513175	2513175
2501020	2513117	2512623	2513136	2513176	2513176
2501023	2513172	2513115	2513115	2513177	2513129
2501028	2513128	2513116	2513116		
2501031	2512130	2513117	2513117		

LIGHT DUTY VACUUM BOOSTERS

ROD CODE CROSS REFERENCE

Rod Code	I.D. NO.	Precision NO.	Rod Code	I.D. NO.	Precision NO.
13847	14752	2514752	DT-18		2510965
13849	13845	2513845	DT-18	12617	2512617
13851	14751	2514751	DT-19	13355	2513355
13858		2514207	DT-2	10952	2510952
13864	13866	2513866	DT-20	13294	2513294
13867	13869	2513869	DT-21	12837	2512837
13870	13872	2513872	DT-22	12839	2512839
14156	13863	2514110	DT-23	12838	2512838
14158		2513872	DT-40		2513294
14180		2514751	FT-11		2508523
14453		2514462	FT-14		2510794
14490	14490	2514490	FT-17	10468	2510468
14492	14492	2514492	FT-18		2510799
14498		2514224	FT-21		2508523
14537	14533	2514533	FT-21		2510794
15051		2516108	FT-22		2510819
15078		2515298	FT-26		2511083
15184		2515076	FT-27		2511226
15227		2515227	FT-28		2511597
15228		2515228	FT-29	12293	2512293
15315		2515075	FT-3		2505500
15350		2515227	FT-30		2511564
15361		2515228	FT-35	12292	2512292
15380		2515380	FT-36		2512293
16766		2516765	FT-37	12294	2512294
17221		2516106	FT-38	12296	2512296
17221		2516107	FT-39	12300	2512300
C-17		2518642	FT-40	12298	2512298
C-19		2518643	FT-44	12669	2512669
C-19		18022072	FT-45	12675	2512675
C-20		2518644	FT-46	12681	2512681
C-20		2518664	FT-47	13006	2513006
C-20		18013060	FT-48	12980	2512980
C-20		18013061	FT-7		2508523
C-20		18021310	FT-7	10794	2510794
C-27		18019415	FT-8		2507652
C-27		18021897	FT-8	11083	2511083
C-28		18020202	G-11	14493	2514493
C-28		18020203	G-11		2518659
C-28		18029985	G-11		18013986
CE-2	11018	2511018	G-26		2517-G26
CT-10	11488	2511488	G-9	14491	2514491
CT-10		18003686	IH-12		2510874
CT-4		2505229	IH-12		2510999
CT-4	8400	2508400	IH-13		2510947
D-6	14776	2514776	IH-14		2510999
DT-11	10764	2510764	IH-6	10999	2510999
DT-12		2510952	IH-8		2510999
DT-13		2514023	P-5		2518661
DT-14	10965	2510965	P-6	14483	2514483
DT-17	12643	2512643	P-8		2514483

CALIPER CROSS REFERENCE

EUCLID TO PRECISION

EUCLID#	PRX#	EUCLID#	PRX#	EUCLID#	PRX#
E-4235X	55098	E-9179X	55254, 55292	E-11750-SL	55849
E-4236X	55099	E-9180X	55255, 55293	E-11756-SL	55850
E-4237AX	55314	E-9181X	55604	E-11123-SL	60050312
E-4238X	55250	E-9182X	55605	E-11124-SL	60050313
E-4244X	55251	E-9183X	55498	E-11733-SL	60450468002
E-4245X	55252	E-9184X	55499	E-11734-SL	60450469002
E-9143X	55454	E-9185X	55500	E-11735-SL	60450473001
E-9147X	55215	E-9186X	55501	E-11736-SL	60450474001
E-9148X	55216	E-9187X	55518	E-11467-SL	60450455
E-9149X	55094	E-9188X	55519	E-11466-SL	60450454
E-9150X	55095	E-9189X	55506	E-12227	9044200801
E-9153X	55193	E-9190X	55507	E-12228	9044200901
E-9154X	55194	E-9191X	55520	E-12229	9044201801
E-9155X	55209	E-9192X	55521	E-12230	9044201901
E-9156X	55210	E-9193X	55496	E-12269	97365908
E-9157X	55207, 55383	E-9194X	55497	E-12270	97365907
E-9158X	55208, 55384	E-9195X	55634	E-12271	97720210
E-9159X	55205	E-9196X	55635	E-12272	97720206
E-9160X	55206	E-9197X	55304	E-12273	97365910
E-9161X	55264	E-9198X	55305	E-12274	97365909
E-9162X	55265	E-9199X	55060	E-12275	97207148
E-9163X	55243	E-9200X	55061	E-12276	97207147
E-9164X	55244	E-9201X	55456	E-12278	97365910
E-9165X	55233	E-9201X	55457	E-12279	97365909
E-9166X	55234	E-9203X	55413		
E-9167X	55411	E-9203X	55414		
E-9168X	55412	E-9205X	55460		
E-9169X	55199	E-9206X	55461		
E-9170X	55200	E-9209X	55245		
E-9171 X	55381	E-9210X	55616		
E-9172X	55382	E-9211X	55617		
E-9175X	55248	E-9212X	55460		
E-9176X	55249	E-9213X	55461		
E-9177X	55258	E-10685X	55656		
E-9178X	22259	E-11118X	55313		
Unit Type Abbreviations					
Abbr.	Description	Abbr.	Description	Abbr.	Description
AC	Air CyLinder	HB	Hydroboost	PA	Poppet Assembly
AF	Air Cleaner	HM	Hydromax]	PB	Parking Brake
AP	Air Pac	HV	Hydrovac	PC	Pressure Converter
CA	Caliper	MC	Master CylinderMU	PM	Pump & Motor
CL	Power Cluster	Misc. Unit		SK	Seal Kit
DB	Delco Booster	MN	Mini Pac	UV	Ultra Vac
DP	Dual Power	MP	Multipac	VL	Valve
DV	Duo Vac	MS	Master Vac	VP	Vacuum Pump
FS	Flow Switch	MV	Multivac		

NUMERICAL LISTING

Part#	Reference Page	Type	Part#	Reference Page	Type
065060	4-5	VL	1669311C91	5-7	CA
101A	1-59	PB	1669555C91	5-7	MC
101H	1-48, 50, 53, 55, 56, 4-5	PB	1669556C91	5-7	FS
108671	5-5	HM	1669561C1	5-7	PM
108762	5-5	HM	1675774C91	5-7	HM
108763	5-5	HM	1691291C91	5-7	MC
11885	1-23, 1-26, 2-18	MC	18001029	5-7	HP
11892	1-23	MC	18001047	1-18	DP
11898	1-67, 2-18	MC	18001072	1-18, 5-7	DP
11908	1-64, 66, 2-18	MC	18001073	5-7	DP
11909	1-48, 53, 2-18	MC	18001148	5-7	HP
11910	1-64, 66, 2-18	MC	18001810	1-17, 22, 23, 24, 25, 26, 27, 2-16	HP
11912	1-66, 2-18	MC	18001812	5-7	PM
11990	2-18	MC	18003144	1-66, 2-17	DP
11991	2-18	MC	18003686	1-12, 5-7, 5-11	VB
11992	1-48	MC	18003998	1-62, 64, 66, 67, 5-7, 2-16	HP
11993	1-18, 22, 23, 24, 25, 66, 2-18	MC	18004527	5-7	HP
11994	1-62, 65, 66, 2-18	MC	18006974	1-17, 22, 23, 24, 25, 26, 27, 62, 64, 1-66, 67, 2-16, 17, 5-7	PM
11995	1-56, 2-18	MC	18007368	5-7	PM
11997	2-18	MC	18008972	5-7	VB
11998	2-18	MC	18008973	5-7	VB
11999	1-48, 50, 52, 53, 55, 56	MC	1801306	1-9	VB
12000	1-18, 22, 24, 25, 62, 66, 2-18	MC	18013060	1-7, 5-11	VB
12198	1-42	MC	18013061	1-5, 5-11	VB
12306	1-24	MC	18013986	1-14, 5-11, 5-7	VB
12339	1-62, 2-18	MC	18014080	1-19, 2-16, 5-7	HP
12379	1-47, 50, 52, 55, 62, 63, 64, 2-18	MC	18015776	1-19, 2-16, 17, 5-7	PM
12430	1-17, 19, 22, 24, 2-18	MC	18016057	1-12	VB
12466	1-52	MC	18016058	1-12, 5-7	VB
12519	1-32, 33	MC	18017187	5-7	HP
12618	2-18	MC	18019415	1-5, 7, 8, 11, 5-11	VB
12632	1-47, 48, 52, 53, 55, 2-18	MC	18019576	5-7	HP
12671	1-17, 19, 20, 21, 24, 2-18	MC	18019639	5-7	PM
12840	1-42	MC	18020202	1-5, 11, 5-11	VB
129644	5-5	MC	18020203	1-8, 11, 5-7, 11	VB
129648	5-5	MC	18020383	5-7	HP
129650	5-5	MC	18020593	2-16	FS
129651	5-5	MC	18020710	5-7	HP
129684	5-5	MC	18021125	1-6, 10, 5-7	VB
129685	5-5	MC	18021126	1-14, 5-7	VB
129686	5-5	MC	18021310	1-7, 5-7, 11	VB
129687	5-5	MC	18021897	1-9, 11, 5-7, 11	VB
129688	5-5	MC	1802202	1-7	VB
129694	5-5	MC	18022044	1-6, 10, 5-7	VB
12973	1-45	MC	18022072	1-14, 5-7, 11	VB
13056	1-31	MC	18029985	1-8, 5-7, 11	VB
13057	1-31	MC	18060777	1-5, 7	VB
13280	1-41	MC	201179R	1-48, 50, 52, 53, 55, 4-3	LU
13281	1-40	MC	201180R	1-48, 50, 52, 53, 55, 4-3	LU
13282	1-40, 41	MC	201181R	1-48, 50, 52, 53, 55, 56, 4-3	LU
13283	1-40	MC	201182R	1-48, 50, 52, 53, 55, 56, 4-3	LU
13284	1-40	MC	201183R	1-48, 50, 52, 53, 55, 4-3	LU
13293	1-41	MC	201184R	1-48, 50, 52, 53, 55, 4-3	LU
13355	1-42, 43, 44	MC	201185R	1-48, 50, 53, 55, 56, 4-3	LU
13442	1-30, 31	MC	201186R	1-48, 50, 53, 55, 56, 4-3	LU
13488	1-32	MC	202249R	1-48, 50, 53, 55, 4-4	LU
13497	1-40	MC	202250R	1-48, 50, 53, 55, 4-4	LU
13498	1-40	MC	202251R	4-4	LU
13648	1-41, 43, 44, 45	MC	202252R	4-4	LU
13649	1-41, 43, 44, 45	MC	202261R	1-48, 50, 53, 55, 4-4	LU
1646975C91	5-7	MC	202262R	1-48, 50, 53, 55, 4-4	LU
1646978C91	5-7	HM	202271R	1-48, 50, 52, 53, 55, 4-4	LU
1653762C92	5-7	HM	202272R	1-48, 50, 52, 53, 55, 4-4	LU
1656981C1	5-7	PM	203249R	1-48, 50, 53, 55, 56, 4-4	LU
1658443C91	5-7	CA	203250R	1-48, 50, 53, 55, 56, 4-4	LU
1663064C91	5-7	HM			

NUMERICAL LISTING

Part#	Reference Page	Type	Part#	Reference Page	Type
203251R	4-4	LU	2502281	5-5	MV
203252R	4-4	LU	2502340	5-5	HV
203261R	1-48, 50, 52, 53, 55, 4-4	LU	2502702	1-38, 61, 2-4, 5-5	MN
203262R	1-48, 50, 52, 53, 55, 4-4	LU	2502703	1-67, 2-9, 5-5	HV
22259	5-12	MU	2502711	5-5	MU
2234929	1-4, 9, 2-18	MC	2502712	5-5	MU
2234934	1-59, 2-18	MC	2502731	5-5	MU
2283-7	1-52, 3-15	CA	2502842	5-5	MV
2284-5	1-52, 3-15	CA	2502896	5-5	HV
2500085	5-5	MV	2502982	5-5	HV
2500086	2-4, 5-5	MP	2503054	5-10	VP
2500087	2-4, 5-5	MP	2503098	5-5	HV
2500137	5-5	MP	2503123	5-5	HV
2500138	5-5	MP	2503139	5-5	HV
2500187	5-5	MP	2503151	1-13, 16, 27, 29, 38, 2-10, 5-4, 5, 10	HV
2500397	1-14, 17, 28, 57, 60, 67, 68, 2-9, 5-5, 2-9, 5-5	HV	2503199	5-10	VP
2500410	5-10	VP	2503225	2-35	AF
2500420	5-5	MV	2503230	5-5	MN
2500487	1-38, 2-9, 5-5	HV	2503258	5-5	HV
2500506	5-5	MP	2503259	1-49, 51, 54, 58, 2-10, 5-5	HV
2500509	5-5	HV	2503566	1-67, 2-4, 5-5	MP
2500517	1-39, 61, 67, 2-9, 5-4, 5	HV	2503703	1-67, 2-4, 5-5	AP
2500521	5-5	HV	2503780	5-10	VP
2500660	2-9, 5-5	MV	2504052	5-5	HV
2500685	2-4, 5-5	AP	2504055	5-4, 5	HV
2500690	1-27, 28, 39, 51, 54, 61, 67, 2-4, 5-5	AP	2504057	5-10	VP
2500695	1-61, 67, 2-4, 5-5	AP	2504058	5-4, 5	HV
2500696C91	2-15	FS	2504102	1-28, 20-10, 5-4, 5	HV
2500700	5-5	AP	2504105	1-67, 5-4, 2-10, 5-5	HV
2500710	5-5	AP	2504106	1-23, 2-11, 5-4, 5	HV
2500715	5-5	AP	2504109	5-4, 5	HV
2500720	5-5	AP	2504111	5-5	HV
2500735	5-5	AP	2504112	5-5	HV
2500755	5-5	AP	2504113	1-27, 28, 2-10, 5-5	HV
2500948	5-10	VP	2504114	5-5	HV
2501000	5-10	VP	2504115	5-5	HV
2501001	1-57, 2-9, 5-5	HV	2504131A	2-35	PA
2501015	5-10	VP	2504132A	2-35	PA
2501018	5-10	VP	2504133A	2-35	PA
2501023	5-10	VP	2504134A	2-35	PA
2501028	5-10	VP	2504145	5-10	VP
2501029	5-5	HV	2504150	5-5	HV
2501031	5-10	VP	2504151	5-5	HV
2501042	5-10	VP	2504179	5-10	VP
2501220	5-5	HV	2504183	1-27, 5-5	AP
2501310	5-5	MV	2504184	5-5	AP
2501350	5-5	HV	2504187	2-10, 5-5	HV
2501370	5-5	HV	2504188	5-5	HV
2501424	1-54, 57, 58, 2-10, 5-5	HV	2504303	5-5	HV
2501454	5-10	VP	2504304	5-5	HV
2501625	5-5	HV	2504305	5-5	HV
2501666	5-5	MV	2504306	5-5	HV
2501847	5-5	HV	2504338	5-5	AP
2501850	5-5	HV	2504398	5-5	AP
2501851	5-5	HV	2504399	5-5	AP
2501852	5-5	HV	2504615	5-5	HV
2501975	2-4	AP	2504616	5-4, 5	HV
2502061	1-23, 5-5	AP	2504985	5-4	MU
2502062	5-5	MP	2505051	5-5	MU
2502075	5-5	HV	2505087	5-5	MU
2502076	5-5	HV	2505229	1-13, 5-11, 5-5	MV
2502077	5-5	HV	2505396	5-5	MS
2502078	5-5	HV	2505479	5-5	HV
2502107	5-5	MP	2505500	1-47, 5-11, 5-5	MV
2502108	5-5	MP	2505516	2-4, 5-5	AP
2502119	1-67, 2-9, 5-5	MV	2505779	5-5	MS
2502127	5-10	VP	2506113	5-10	VP

NUMERICAL LISTING

Part#	Reference Page	Type	Part#	Reference Page	Type
2506209	5-5	HV	2510033	5-6	MU
2506352	5-5	MU	2510065	5-4, 6	HV
2506420	5-5	MU	2510182	5-6	MU
2506663	5-5	MS	2510241	5-6	HV
2506665	5-5	MS	2510282	5-6	MU
2506795	5-5	VB	2510400	5-4, 6	HV
2506882	5-5	MS	2510401	5-4, 6	HV
2507224	1-57, 2-11, 5-5	HV	2510468	1-42, 45, 5-6, 11	MS
2507376	5-5	DV	2510555	1-16, 2-10, 5-6	HV
2507377	5-5	DV	2510640	5-4, 6	HV
2507378	5-5	DV	2510680	5-6	MU
2507650	5-5	MS	2510728	5-6	MV
2507652	1-47, 5-11, 5-5	MV	2510764	1-33, 69, 5-6, 11	MS
2507713	5-5	MU	2510786	5-6	VB
2507715	5-5	MS	2510790	5-6	VB
2507718	5-5	MU	2510794	1-42, 45, 5-6, 11	MV
2507719	5-10	VP	2510799	1-46, 5-6, 11	MS
2507727	5-5	MS	2510813	5-6	HV
2507728	5-5	MS	2510819	1-41, 5-6, 11	MV
2507730	5-5	MS	2510824	5-6	VB
2507732	5-5	MU	2510834	5-6	VB
2507860	5-5	HV	2510874	1-60, 5-6, 11	MS
2508014	5-5	DV	2510947	1-60, 5-6, 11	MV
2508028	5-10	VP	2510952	1-36, 37, 38, 5-6, 11	MV
2508059	5-5	HV	2510958	5-6	MV
2508065	5-5	HV	2510965	1-31, 34, 35, 36, 37, 38, 39, 5-6, 11	MV
2508096	5-5	HV	2510999	1-60, 5-6, 11	MS
2508099	5-5	MU	2511002	5-6	MS
2508113	5-6	MS	2511018	1-29, 5-6, 11	MS
2508177	2-9, 5-6	HV	2511083	1-45, 46, 5-6, 11	MS
2508336	5-6	HV	2511170	1-54, 56, 5-4, 2-10, 5-6	HV
2508338	5-6	HV	2511171	5-6	HV
2508350	5-6	MU	2511172	5-6	HV
2508351	5-6	MS	2511173	5-6	HV
2508356	5-6	MU	2511174	5-6	HV
2508379	5-6	DV	2511226	1-46, 5-6, 11	MV
2508398	5-6	MU	2511488	1-6, 5-6, 11	MV
2508400	1-10, 13, 16, 60, 5-6, 11	MV	2511559	5-6	MU
2508401	5-6	MU	2511564	1-46, 5-6, 11	MV
2508506	5-6	MU	2511572	5-6	MV
2508523	5-6, 11	MV	2511597	1-41, 5-6, 11	MV
2508557	5-6	MU	2512059	1-62, 65, 2-10, 5-6	HV
2508558	5-6	MU	2512060	1-65, 2-10, 5-6	HV
2508577	5-6	MS	2512061	1-62, 65, 67, 2-10, 5-4, 6	HV
2508597	5-6	HV	2512062	1-37, 38, 5-4, 2-10, 5-6	HV
2508610	5-6	HV	2512063	1-38, 5-4, 2-10, 5-6	HV
2508638	5-6	DV	2512064	5-4, 6	HV
2508643	5-4, 6	HV	2512065	1-18, 23, 26, 27, 5-4, 2-10, 5-6	HV
2508819	5-6	HV	2512066	1-18, 26, 5-4, 2-10, 5-6	HV
2508827	5-6	HV	2512076	1-62, 65, 66, 67, 5-4, 2-10, 5-6	HV
2508829	5-6	HV	2512130	5-10	MU
2508943	5-6	MS	2512138	1-50, 53, 55, 56, 2-10, 5-4, 6	HV
2509140	1-48, 54, 57, 58, 2-11, 5-4, 6	DV	2512139	1-48, 53, 55, 56, 5-4, 2-10, 5-6	HV
2509143	5-6	DV	2512140	1-48, 49, 50, 53, 54, 55, 56, 57, 58, 2-10, 5-4, 6	HV
2509146	5-6	DV	2512141	1-50, 53, 55, 56, 66, 5-4, 2-10, 5-6	HV
2509149	5-6	DV	2512142	1-56, 5-4, 2-11, 5-6	HV
2509152	5-6	DV	2512165	5-6	VB
2509153	5-6	HV	2512189	5-6	HV
2509364	5-4, 6	HV	2512190	5-6	HV
2509426	1-51, 54, 57, 58, 2-9, 5-6	HV	2512229	5-6	DV
2509547	5-4, 6	HV	2512292	1-40, 5-11, 5-6	MV
2509558	5-6	HV	2512293	1-40, 5-11, 5-6	MV
2509559	5-4, 6	HV	2512294	1-41, 5-11, 5-6	MV
2509605	5-6	HV	2512296	1-42, 55, 5-11, 5-6	MV
2509616	5-6	HV	2512298	1-45, 5-11, 5-6	MV
2509870	5-4, 6	HV	2512300	1-46, 5-6	MV
2510027	5-6	HV	2512548	5-10	VP

NUMERICAL LISTING

Part#	Reference Page	Type	Part#	Reference Page	Type
2512554	5-4, 6	HV	2514553	5-6	MV
2512569	5-6	HV	2514751	1-34, 35, 36, 37, 5-6, 11	MV
2512570	5-4, 6	HV	2514752	1-31, 34, 5-6, 11	MV
2512617	1-37, 5-11, 5-6	MV	2514776	1-33, 5-6, 11	MV
2512623	5-10	VP	2514916	5-4	MV
2512643	1-31, 34, 69, 5-6, 11	HV	2514917	5-4	HV
2512644	5-4	MU	2514918	5-4	HV
2512669	1-42, 44, 5-6, 11	MV	2514919	5-4	HV
2512671	5-6	MV	2514920	5-4	HV
2512675	1-44, 46, 5-6, 11	MV	2515029	5-4	HV
2512675	5-6	MV	2515030	5-4	HV
2512681	1-46, 5-11, 5-6	MV	2515050	5-4	HV
2512790	1-37, 5-6	MV	2515075	1-44, 46, 5-6, 11	MV
2512837	1-35, 36, 37, 5-6, 11	MV	2515076	1-40, 41, 5-6, 11	MV
2512838	1-33, 37, 69, 5-6, 11	MV	2515227	1-33, 5-6, 11	MV
2512839	1-33, 37, 69, 5-6, 11	MV	2515228	1-31, 34, 5-6, 11	MV
2512980	1-42, 44, 5-11, 5-6	MV	2515298	1-41, 5-6, 11	MV
2513006	1-44, 46, 5-6, 9, 11	MV	2515380	1-33, 5-6, 11	MV
2513026	5-4, 6	HV	2516106	1-40, 5-6, 11	MV
2513115	2-31, 5-10	VP	2516107	1-40, 41, 5-6, 11	MV
2513116	5-10	VP	2516108	1-42, 44, 5-6, 11	MV
2513117	2-31, 5-10	VP	2516765	1-33, 5-6, 11	MV
2513127	5-10	VP	2517-G26	1-31, 5-6, 11	VB
2513128	2-31, 5-10	VP	2518274	1-40, 41	MV
2513129	2-31, 5-10	VP	2518286	1-43, 34	MV
2513130	2-31, 5-10	VP	2518525	1-34, 35, 36, 37, 5-6	MV
2513131	5-10	VP	2518555	1-42, 5-6	MV
2513132	2-31, 5-10	VP	2518565	1-40	MV
2513133	5-10	VP	2518642	1-9, 12, 5-6, 11	VB
2513134	2-31, 5-10	VP	2518643	1-5, 5-6, 11	MV
2513135	5-10	VP	2518644	1-11, 5-6	MV
2513136	2-31, 5-10	VP	2518656	5-6	MV
2513171	5-4, 6	HV	2518659	1-14, 5-6, 11	VB
2513172	2-31, 5-10	VP	2518661	1-5, 5-6, 11	MV
2513173	5-10	VP	2518664	1-9, 11, 13, 16, 5-6, 11	VB
2513174	5-10	VP	2519636	1-44, 46, 5-6	MV
2513175	2-31, 5-10	VP	2519970	1-42, 5-6	MV
2513176	2-31, 5-10	VP	2710030	5-6	HB
2513177	5-10	VP	2765110	2-28	HV
2513294	1-31, 34, 35, 36, 69, 5-6, 11	MV	2770002	5-6	HB
2513355	1-33, 69, 5-6, 11	MV	2770003	5-6	HB
2513491	1-65, 5-6	HV	2770004	5-6	HB
2513492	5-4, 6	HV	2770019	5-6	HB
2513493	2-11, 5-6	HV	2770032	5-6	HB
2513494	1-65, 2-10, 5-4, 6	HV	2770055	5-6	HB
2513811	5-6	HV	2770056	5-6	HB
2513812	2-11, 5-6	HV	2770057	5-6	HB
2513813	2-11, 5-4, 6	HV	2770058	5-6	HB
2513814	1-23, 26, 2-10, 5-4, 6	HV	2770059	5-6	HB
2513815	1-18, 2-10, 5-4, 6	HV	2770060	5-6	HB
2513816	5-4	MU	2770062	5-6	HB
2513845	1-35, 36, 37, 5-6, 11	MV	2770067	5-6	HB
2513866	1-40, 5-6, 11	MV	2770070	5-6	HB
2513869	1-40, 5-6, 11	MV	2770079	5-6	HB
2513872	1-40, 41, 5-6, 11	MV	2770091	5-6	HB
2514023	1-33, 35, 36, 37, 69, 5-6, 11	MV	2770099	5-6	HB
2514110	1-44, 46, 5-6, 11	MV	2770100	5-6	HB
2514207	1-42, 44, 5-6, 11	MV	2770101	5-6	HB
2514224	1-33, 5-6, 11	MV	2770102	5-6	HB
2514462	1-30, 5-6, 11	MV	2770106	5-6	HB
2514483	1-10, 15, 5-6, 11	MV	2770107	5-6	HB
2514490	1-6, 5-6, 11	MV	2770111	5-6	HB
2514491	1-6, 5-6, 11	DB	2770141	5-6	HM
2514492	1-5, 6, 7, 8, 9, 12, 5-6, 11	MV	2770142	5-6	HM
2514493	1-6, 10, 5-6, 11	VB	2770143	5-6	HM
2514504	5-4	MU	2770148	5-6	HB
2514533	1-40, 5-11	MV	2770159	5-6	HB

NUMERICAL LISTING

Part#	Reference Page	Type	Part#	Reference Page	Type
2770160	5-6	HB	2771744	1-13, 2-12, 5-7	HB
2770161	5-6	HB	2771745	1-14, 2-12, 5-7	HB
2770162	5-6	HB	2771746	1-10, 14, 2-12, 5-7	HB
2770166	5-6	HB	2771790	5-7	HB
2770181	5-6	HM	2771791	1-7, 8, 11, 12, 15, 16, 2-12, 5-7	HB
2770182	5-6	HM	2771792	1-12, 15, 2-12, 5-7	HB
2770197	5-6	HB	2772094	2-13	HB
2770200	2-12	HB	2772181	1-4, 17, 19, 20, 21, 24, 47, 50, 52, 55, 59, 62, 63, 64, 2-15, 5-7	HM
2770212	2-12	HB	2772086	2-12	HB
2770215	5-6	HM	2772184	1-47, 2-15, 5-7	HM
2770216	5-7	HM	2772139	2-13	HB
2770220	5-7	HM	2772288	2-12	HB
2770221	5-7	HM	2772301	5-7	MU
2770222	5-7	HB	2772336	1-34, 35, 36, 2-12	HB
2770223	5-7	HB	2772400	1-10, 14, 2-12	HB
2770224	5-7	HB	2772401	1-6, 2-12	HB
2770225	2-12	HB	2772402	1-5, 7, 8, 11, 2-12	HB
2770227	5-7	HB	2772404	1-12, 2-13	HB
2770228	5-7	HM	2772405	1-12, 2-13	HB
2770229	5-7	HM	2772406	1-14	HB
2770238	5-7	HM	2772407	2-13	HB
2770240	5-7	HM	2772428	2-13	HB
2770242	5-7	HM	2772470	1-34, 35, 36, 2-13	HB
2770255	1-48, 50, 52, 53, 55, 56, 2-15, 4-5, 5-7	HM	2772482	2-13	HB
2770256	1-56, 65, 2-15, 5-7	HM	2772499	1-6, 10, 2-13	HB
2770270	1-10, 14, 2-12, 5-7	HB	2772546	1-45, 2-13	HB
2770317	1-5, 6, 7, 8, 9, 12, 5-7	HB	2772557	2-13	HB
2770390	1-5, 2-12, 5-7	HB	2772681	1-34, 35, 36, 2-13	HB
2770391	1-15, 7, 9, 11, 5-7	HB	2772729	1-17, 2-17	PM
2770433	1-46, 5-7	HB	2772786	1-17, 19, 41	HB
2770454	1-4, 62, 63, 64, 66, 5-7	HM	2772795	1-41, 2-13	HB
2770481	5-7	HB	2772796	1-41, 2-13	HB
2770520	5-7	HB	2772820	2-13	HB
2770533	2-14	Rod	2772821	2-13	HB
2770726	1-13, 14, 15, 16, 37, 5-7	HB	2772822	2-13	HB
2770767	5-7	HB	2772839	1-41, 2-13	HB
2770814	1-6, 5-7	HB	2772847	1-43, 45, 2-13	HB
2770916	1-13, 14, 15, 16, 2-12, 5-7	HB	2772905	2-13	HB
2770918	2-12	HB	2772906	1-7, 8, 11, 12, 15, 2-13	HB
2771030	1-33, 34, 35, 36, 69, 5-7	HB	2772907	1-6, 2-13	HB
2771117	1-6, 8, 13, 14, 15, 16, 2-12, 5-7	HB	2772908	1-10, 14, 2-13	HB
2771118	1-13, 15, 2-12, 5-7	HB	2772995	2-13	HB
2771119	1-6, 2-12, 5-7	HB	2773315	1-43, 45, 2-13	HB
2771155	1-13, 16, 2-12, 5-7	HB	2773316	1-41, 2-13	HB
2771173	1-13, 14, 15, 16, 38, 2-12, 5-7	HB	286746	2-5	MC
2771250	1-9, 10, 11, 12, 13, 14, 15, 16, 2-12, 5-7,	HB	286755	2-5	MC
2771320	2-17, 2-15, 4-5, 5-7	PM	287069	2-5	MC
2771371	5-7	HM	288398	2-5	MC
2771406	2-14	Rod	300001	5-9	MC
2771420	5-7	PM	300007	5-9	MC
2771468	5-7	PM	300028	5-9	MC
2771494	1-4, 47, 48, 50, 52, 53, 55, 56, 62, 63, 64, 65, 66, 2-15, 17, 5-7	PM	300206	5-9	MC
2771532	5-7	PM	300206G	5-9	MC
2771544	2-15, 5-7	PM	300308	5-9	MC
2771552	5-7	HM	300318	5-9	MC
2771558	5-7	HM	300320	5-9	MC
2771559	5-7	HM	300321	5-9	MC
2771577	1-9, 11, 13, 2-12, 5-7	HB	300322	5-9	MC
2771578	1-5, 7, 9, 11, 2-12, 5-7	HB	300322-L	5-9	MC
2771593	1-13, 19, 2-12, 5-7	HB	300358	5-9	MC
2771605	1-10, 2-12	HB	300371	5-9	MC
2771717	1-15, 5-7	HB	300405-C	5-9	MC
2771721	5-7	MU	300405-F	5-9	MC
2771741	2-12	HB	300407-C	5-9	MC
2771742	1-9, 13, 16, 2-12, 5-7	HB	300455	5-9	MC
2771743	1-5, 7, 8, 11, 2-12, 5-7	HB	300459-A	5-9	MC

NUMERICAL LISTING

Part#	Reference Page	Type	Part#	Reference Page	Type
372817	5-10	VP	378855	5-5	HV
372818	5-10	VP	379315	5-5	HV
372819	5-10	VP	379474	1-17, 18, 28, 57, 61, 68, 2-9, 5-5	HV
372820	5-10	VP	379481	5-5	HV
373089	5-10	VP	379492	5-5	HV
373090	5-10	VP	379695	5-5	MV
373095	5-10	VP	379776	5-5	HV
373156	5-10	VP	379900	1-13, 17, 2-9, 5-5	HV
373853	2-9	HV	400160	5-9	PC
374000	5-5	HV	4141	2-34	VP
374229	1-61, 67, 2-9, 5-5	HV	4142	2-34	VP
374230	2-9, 5-5	HV	4150982	5-4	HV
374300	2-9, 5-5	HV	4150983	5-4	HV
374550	2-9, 5-5	HV	4150984	5-4	HV
374750	1-28, 61, 65, 66, 2-9, 5-5	HV	4150985	5-4	HV
374980	1-18, 54, 61, 68, 2-9, 5-5	HV	4151108	5-4	HV
375100	5-5	HV	4151217	5-4	HV
375246	5-10	VP	4151219	5-4	HV
375278	1-54, 57, 61, 2-9, 5-5	HV	4151228	5-4	HV
375279	1-54, 57, 68, 2-9, 5-5	HV	4208	2-28	VP
375440	5-5	AP	4210	2-28	VP
375680	5-5	HV	4212	2-28	VP
375698	5-5	HV	4216	2-28	VP
375756	5-5	AP	49D4	2-28	VB
375757	5-5	AP	500086	2-4	MU
375817	5-5	AP	501817C91	5-7	VB
375844	1-61, 68, 2-4, 5-5	AP	501828C91	5-7	DP
375866	5-5	HV	501830C91	2-16	FS
375901	5-5	AP	504838C91	5-7	SK
375932	5-5	HV	504839C91	5-7	PM
375941	5-5	AP	5300	2-28	VB
376155	5-5	HV	5300H	2-28	VB
376440	2-4	AP	55060	5-12	CA
376440	5-5	AP	55061	5-12	CA
376500	5-5	HV	55094	5-12	CA
376504	5-5	AP	55095	5-12	CA
376658	1-29, 2-9, 5-5	HV	55098	1-13, 14, 15, 16, 62, 63, 64, 66, 3-2, 5-12	CA
376664	5-5	HV	55099	1-13, 14, 15, 16, 62, 63, 64, 66, 3-2, 5-12	CA
376700	5-5	HV	55119	1-32, 33	CA
376710	5-5	HV	55193	5-12	CA
376712	5-5	AP	55194	5-12	CA
376755	5-5	HV	55199	1-4, 12, 13, 15, 21, 22, 24, 25, 36, 37, 3-2, 5-12	CA
376862	5-5	MU	55200	1-4, 12, 13, 15, 21, 22, 24, 25, 36, 37, 3-2, 5-12	CA
376970	5-5	HV	55205	5-12	CA
377011	5-5	HV	55206	5-12	CA
377042	5-5	HV	55207	5-12	CA
377144	5-5	HV	55208	5-12	CA
377215	1-29, 5-5	HV	55209	5-12	CA
377372	5-5	HV	55210	5-12	CA
377452	5-5	HV	55215	5-12	CA
377456	5-5	AP	55216	5-12	CA
377475	1-29	HV	55233	5-12	CA
377543	5-5	HV	55234	5-12	CA
377600	5-5	HV	55243	5-12	CA
377615	5-5	HV	55244	5-12	CA
377623	5-5	HV	55245	1-62, 66, 5, 3-2, 5-12	CA
377678	5-5	MU	55248	5-12	CA
377800	5-5	HV	55249	5-12	CA
377839	1-39, 2-9, 5-5	HV	55250	1-4, 17, 21, 22, 23, 24, 25, 61, 62, 63, 64, 65, 66, 3-4, 5-12	CA
378003	5-5	HV	55250SP	3-4	CA
378182	5-5	MU	55251	1-17, 18, 19, 21, 22, 23, 24, 25, 47, 48, 52, 1-53, 55, 56, 3-7, 5-12	CA
378265	5-5	HV	55252	1-21, 22, 47, 48, 52, 53, 55, 56, 5-12	CA
378464	5-5	HV	55253	3-7	CA
378589	5-5	AP	55254	3-5, 5-12	CA
378600	5-5	MU	55255	3-5, 5-12	CA
378802	5-5	HV			
378804	5-5	MU			

NUMERICAL LISTING

Part#	Reference Page	Type	Part#	Reference Page	Type
55258	5-12	CA	55856	1-8, 15	CA
55264	5-12	CA	55857	1-40, 41, 3-15	CA
55265	5-12	CA	55858	1-40, 41, 3-15	CA
55292	5-12	CA	55861	1-45, 3-11	CA
55293	5-12	CA	55862	1-45, 3-11	CA
55304	5-12	CA	55865	1-30, 32	CA
55305	5-12	CA	55866	1-30, 32	CA
55313	3-3, 5-12	CA	55888	1-31, 32	CA
55314	1-4, 62, 63, 64, 65, 66, 3-3, 5-12	CA	55890	1-30	CA
55381	5-12	CA	55899	1-30	CA
55382	5-12	CA	55929	1-43	CA
55383	5-12	CA	55930	1-43	CA
55384	5-12	CA	55966	1-30	CA
55411	3-6, 5-12	CA	55967	1-30	CA
55412	3-6, 5-12	CA	55972	1-30	CA
55413	5-12	CA	55973	1-30	CA
55414	5-12	CA	55988	1-30	CA
55454	3-10	CA	55989	1-30	CA
55455	3-10	CA	55990	1-30	CA
55456	5-12	CA	56516	1-26, 3-16	CA
55457	5-12	CA	56517	1-26, 3-16	CA
55460	3-7, 5-12	CA	56518	1-26	CA
55461	3-7, 5-12	CA	56519	1-26	CA
55480	1-17, 18, 19, 22, 24, 3-5	CA	56520	3-13	CA
55496	1-31, 5-12	CA	56534	1-34, 59	CA
55497	1-31, 5-12	CA	56535	1-34, 60	CA
55498	5-12	CA	56536	1-34, 59	CA
55499	5-12	CA	56537	1-34, 59	CA
55500	1-30, 5-12	CA	56538	1-34, 59	CA
55501	1-30, 5-12	CA	56539	1-34, 59	CA
55506	5-12	CA	56540	1-34, 59	CA
55507	5-12	CA	56541	1-34, 59	CA
55517	3-4	CA	56542	1-34, 59	CA
55518	3-17, 5-12	CA	56543	1-34, 59	CA
55519	3-17, 5-12	CA	56544	1-34, 59	CA
55520	5-12	CA	56545	1-34, 59	CA
55521	5-12	CA	56546	1-34, 59	CA
55604	1-41, 46, 3-10, 5-12	CA	56547	1-34, 59	CA
55605	1-41, 46, 3-10, 5-12	CA	56811	1-26	CA
55616	5-12	CA	56812	1-26	CA
55617	5-12	CA	572075C91	5-7	MC
55634	5-12	CA	572076C91	5-7	MC
55635	5-12	CA	60050312	5-12	CA
55656	1-4, 59, 64, 3-5, 5-12	CA	60050313	5-12	CA
55687	1-31	CA	60450454	5-12	CA
55688	1-31	CA	60450455	5-12	CA
55717	1-59	CA	60450468002	5-12	CA
55748	1-46, 3-11	CA	60450469002	5-12	CA
55749	1-40, 41, 43, 44, 3-11	CA	60450473001	5-12	CA
55794	1-44, 3-13	CA	60450474001	5-12	CA
55795	1-44, 3-13	CA	6051 001 002	4-8	PB
55801	1-44	CA	6051 001 004	4-8	PB
55802	1-44	CA	6051 001 009	4-8	PB
55804	3-3	CA	6051 001 013	4-8	PB
55811	3-16	CA	6051 001 014	4-8	PB
55812	3-16	CA	6051 001 018	4-8	PB
55815	1-32	CA	6051 001 020	4-8	PB
55816	1-32	CA	6051 001 022	4-8	PB
55829	3-14	CA	6051 001 023	4-8	PB
55830	3-14	CA	6051 001 024	4-8	PB
55835	1-43, 45	CA	6051 001 025	4-8	PB
55837	1-43, 45, 3-14	CA	6051 001 026	4-8	PB
55838	1-43, 45, 3-14	CA	6051 001 027	4-8	PB
55849	1-4, 59, 63, 3-6, 5-12	CA	6051 001 028	4-8	PB
55850	1-4, 59, 3-6, 5-12	CA	6051 001 029	4-8	PB
55854	1-8, 15	CA	6051 001 031	4-8	PB
55855	1-8, 15	CA	6051 001 032	4-8	PB

NUMERICAL LISTING

Part#	Reference Page	Type	Part#	Reference Page	Type
6051 001 033	4-8	PB	C4034	1-27, 2-25, 5-8, 9	HP
6051 001 035	4-8	PB	C4035A	1-27, 5-8, 9	HP
6051 001 036	4-8	PB	C4036	2-25	HP
6051 001 041	4-8	PB	C4037	2-25	VB
6051 001 042	4-8	PB	C4037F	5-8	VB
6208	2-28	VB	C4037G	5-8	VB
6210	2-28	VB	C4037L	1-23, 5-8	VB
6212	2-28	VB	C4037N	1-27, 5-8	VB
6216	2-28	VB	C4037P	5-8	VB
65060	1-48, 50, 52, 53, 55, 56	VL	C4042B	2-25, 5-8	HP
6510	2-4	MC	C4042D	1-27, 2-25, 5-8	HP
69556	2-15	FS	C4044D	1-49, 54, 2-25, 5-8	VB
71217	2-14	HP	C4044K	1-63, 67, 2-25, 5-8	VB
71235	2-14	HP	C4047G	5-8	VB
71236	2-14	HP	C4055	1-16, 27, 28, 2-25, 5-8, 9	HP
71237	2-14	HP	C4056	1-18, 27, 28, 5-8, 9	HP
71346	2-14	HP	C4057	1-18	VB
71586	2-14	HP	C4057C	5-8, 9	VB
9044200801	5-12	CA	C4058	1-27, 5-8, 9	HP
9044200901	5-12	CA	C4063	5-8	VB
9141	2-34	VP	C4072A	5-8	VB
9142	2-34	VP	C4072C, D, & F	5-8	VB
9143	2-34	VP	C4073A	5-8	VB
A-39562	2-8	CL	C4074A, C	5-8	VB
A-833	2-8	AC	C4083D, F	5-8	VB
A-834	2-8	AC	C4084B	1-18, 2-25, 27, 5-8	VB
A-835	2-8	AC	C4084C	1-62, 2-26, 27, 5-8	VB
A-836	2-8	AC	C4084E	1-48, 54, 58, 2-27, 5-8	VB
A-837	2-8	CL	C4084H	1-56, 2-26, 27, 5-8	VB
A-838	2-8	CL	C4084J	1-38, 2-26, 27, 5-8	VB
A-839	2-8	CL	C4085G, J, & N	5-8	VB
A-840	2-8	CL	C4085H	5-8	VB
A-88862	2-8	CL	C4085M, T	5-8	VB
ADB1540L	3-12	CA	C4085P	5-8	VB
ADB1540R	3-12	CA	C4089A, D, & G	5-8	VB
BP-1	1-47, 48, 50, 52, 53, 55, 56, 2-15, 4-5	BP	C4089B, F	5-8	VB
C-3359	5-9	HP	C4090	1-18, 27, 2-26, 5-8, 9	VB
C-3388	5-9	VB	C4091K	5-8	VB
C-3389	5-9	UV	C4093	5-8	VB
C-3389-AA	5-9	PC	C4093C	5-8	VB
C-3389-T	5-9	PC	C4093D	5-8	VB
C-3395	5-9	HP	C4093F	5-8	VB
C3400	5-9, 9	HP	C4093H	5-8	VB
C3401	5-9	HP	C4093K	5-8	VB
C3462	5-9	MC	C4093L	5-8	VB
C3472	5-9, 2-23	MC	C4093N	5-8	VB
C3472SD	1-47, 49, 54, 58, 2-23	MC	C4096A	5-8	VB
C3492SX	1-23, 27, 2-23, 5-8, 9	MC	C4096B	5-8	VB
C3496SX	2-23, 5-8	MC	C448T	1-39, 2-24, 5-8	HP
C3500SD	5-8	MC	C449	1-39, 5-8, 9	HP
C3500SE	1-62, 2-23, 5-8, 9	MC	C462C	1-51, 54, 57, 2-24	HP
C3500SF	1-48, 54, 56, 58, 2-23, 5-8, 9	MC	C462H	2-24	HP
C3502SB	1-38, 2-23, 5-8, 9	MC	C464R	1-38, 2-24, 5-8, 9	HP
C3503SX	1-18, 2-23, 5-8, 9	MC	C468	1-8, 2-24	HP
C3507SB	1-54, 56, 58, 5-8, 9	MC	C468C	1-16, 39, 5-8, 9	HP
C3510SA	1-67, 2-23, 5-8, 5-9	MC	C468L	5-8	HP
C3510SX	1-63, 2-23, 5-8, 9	MC	C4702	5-8, 9	UV
C4003	1-14, 5-8, 9	HP	C472A	2-24	UV
C4007	1-28, 2-24, 5-8, 9	HP	C472B	2-24	UV
C4012E	1-28, 2-24, 5-8, 9	VB	C479B	5-8, 9	UV
C4013E	1-28, 2-24, 5-8, 9	VB	C490B	2-24, 5-8, 9	VB
C4021	5-9, 9	UV	C490G	1-38, 2-24, 5-8, 9	VB
C4025J, K, & R	5-8	VB	F100558	1-27	MC
C4028A	1-49, 54, 58, 2-25, 5-8	VB	F100559	2-23	MC
C4029J, K, & L	5-8	VB	F100560	1-23, 26, 27, 2-23	MC
C4030B	1-47, 49, 54, 58, 2-25, 5-8	VB	F103254	2-23	MC
C4031B, C, H, & J	5-8	VB			

SECTION

5

CROSS REFERENCE

Contents

Light Truck Brake Systems (RPO numbers)	5-3
Abbreviations	5-3
Hydrovac Replacements	5-4
Basic Number Conversion: Bendix	5-5 to 6-7
Basic Number Conversion: Delco	5-7
Basic Number Conversion: IHC / Navistar	5-7
Basic Number Conversion: Midland	5-8
Casting Numbers: Bendix, Delco & Midland	5-9
Vacuum Pumps: ID and OEM Crosses	5-10
Light Duty Vacuum Boosters: Rod Codes	5-11
Caliper Cross Reference: Euclid to Precision	5-12
Numerical Index	5-13

CHEVROLET & GMC

1992-73 LIGHT TRUCK BRAKE SYSTEMS

ENGINE	RPO# ¹	ROTOR	REAR DRUM / ROTOR	POWER BOOSTER
Gas	JB-1	11.86" x 1.28"	11.00" x 2.00"	None
Gas	JB-3	11.86" x 1.28"	11.00" x 2.00"	9.5" Single Diaphragm
Gas	JB-5	11.86" x 1.28"	11.15" x 2.75"	9.5" x 8" Diameter Tandem Diaphragm
Gas	JB-6	12.50" x 1.28"	11.15" x 2.75"	9.5" x 8" Diameter Tandem Diaphragm
Gas	JB-7	12.50" x 1.28"	13.00" x 2.50"	9.5" x 8" Diameter Tandem Diaphragm
Gas	JB-8	12.50" x 1.53"	13.00" x 3.50"	Hydro-Boost
Gas	JB-9	14.25" x 1.53"	15.00" x 4.00"	Hydro-Boost
Gas	JF-9	14.25" x 1.53"	13.75" x 1.53"	Hydro-Boost
Diesel	JD-3	11.86" x 1.28"	11.00" x 2.00"	Hydro-Boost
Diesel	JD-5	11.86" x 1.28"	11.15" x 2.75"	Hydro-Boost
Diesel	JD-6	12.50" x 1.28"	11.15" x 2.75"	Hydro-Boost
Diesel	JD-7	12.50" x 1.28"	13.00" x 2.50"	Hydro-Boost
Diesel	JD-8	12.50" x 1.53"	13.00" x 3.50"	Hydro-Boost

¹Regular Production Option Number
Refer to Application Guide for Part Numbers

Abbreviations

AC	Allis Chalmers	Unit Types (UT)
C	Chevrolet	
CK	Clark	
DT	Diamond T	
D	Dodge	
F	Ford	
G	GMC	
GA	General Application	
H	Hyster	
I	I.H.C.	
(L)	Left Hand	
MH	Motor Home	
MI	Miscellaneous	
M	Mack	
(R)	Right Hand	
RPO	Regular Production Option	
S	Studebaker	
W	White	
AP	Air Pac	
B	Booster	
CA	Combined Application	
DB	Delco Booster	
DH	Delco HyPower	
DP	Delco Dual Power	
DV	Duovac	
H	Hydrovac	
HB	Hydroboost	
HP	Midland HyPower	
HM	Hydromax	
M	Mini-Pac	
MC	Master Cylinder	
MP	Multi-Pac	
MV	Multi-Vac	
PM	Pump & Motor	
SDH	Single Diaphragm Hydrovac	
SPH	Single Piston Hydrovac	
TPH	Tandem Piston Hydrovac	
TH	Tandem Hydrovac (dia. type)	
V	Velvac	
UV	Midland Ultravac	

COMMONIZED HYDROVAC REPLACEMENTS

Listed below are “late model” OE replacement unit numbers and the “old number” units they replace. We feel that even though the unit function is the same, these are not direct replacements. This is due to the fact that it is necessary to modify mounting and plumbing for many applications. We offer the direct replacement by original application. Refer to application section of catalog for proper replacement.

New Hydrovac Packaged No.	Old Hydrovac's Replaced				
2514916 (4150982)	2503151 2504102	2510640 2512063	2514504		
2514917 (4150983)	2500517 2504055	2504105 2504985	2512076 2504058	2513171 2513494	
2514918 (4150984)	2510065 2512138	2511170			
2514919 (4150985)	2504106 2504109 2510401	2504616 2508643 2512142	2509870 2510400 2513811	2512644 2513491 2513816	2513493 2513812
2514920 (4151108)	2509364 2509559	2512140 2512141	2512569 2509547		
2515029 (4151217)	2512061 2513492	2512062			
2515030 (4151219)	2513026				
2515050 (4151228)	2509140 2512064	2512065 2512066	2512139 2512554	2512570 2513813	2513814 2513815
2515074 (4151229)	2504113				

BENDIX CONVERSION TO BASIC NUMBERS

U.T.	Part No.	Basic No./ Gen. Application	Pic. Ref.	U.T.	Part No.	Basic No./ Gen. Application	Pic. Ref.	U.T.	Part No.	Basic No./ Gen. Application	Pic. Ref.
	108671	2770255			379315	379900		H	2503151	C-G	5
	108762	2770256		SPH	379474	MI	1		2503230	2503566	
	108763	2770454			379481	2501001			2503258	2512140	
	129644	2770767			379492	379900		H	2503259	F	5
	129648	2770767			379695	2500660		M	2503566	I	4
	129650	2771173			379776	379900		AP	2503703	I	4
	129651	2771173			379863	2500487			2504052	2512076	
	129684	2770767		SPH	379900	I-M	1		2504055	2512076	
	129685	2771173			2500085	2500660			2504058	2504105	
	129686	2771173		MP	2500086	C-G	4	H	2504102	C-G	5
	129687	2771173		MP	2500087	C-G	4	H	2504105	I	5
	129688	2770767			2500137	2500086		TH	2504106	C-G	6
	129694	2771173			2500138	2500087			2504109	2504106	
	373853	374980			2500187	2503566			2504111	2504102	
	374000	379474		SPH	2500397	C-G-F-I-M	1		2504112	2504106	
TPH	374229	DT-I-M-W	2		2500420	2500660		H	2504113	C-G	5
TPH	374230	I-M-W	2	TPH	2500487	D	2		2504114	2504113	
TPH	374300	M-W	2		2500506	2502702			2504115	2504106	
SPH	374550	MI	1		2500509	2501001			2504150	2504187	
SPH	374750	MI	1	SDH	2500517	D-I-M	3		2504151	2504188	
SPH	374980	MI	1		2500521	374550		AP	2504183	C	4
	375100	374550		SDH	2500660	C-G	3		2504184	2504183	
SPH	375278	DT-F-I-M	1	AP	2500685	F-G-W	4	H	2504187	I	5
SPH	375279	DT-F-G-I	1	AP	2500690	MI	4	H	2504188	I	NS
	375440	2500685		AP	2500695	MI	4		2504303	2503151	
	375680	2500517			2500700	2500690			2504304	2512065	
	375698	374980			2500710	2500690			2504305	2513812	
	375756	2500690			2500715	2500690			2504306	2513812	
	375757	2500695			2500720	2500690		AP	2504338	AC	4
	375817	2500685			2500735	2500690			2504398	2504183	
AP	375844	I-M-W	4		2500755	2500770			2504399	2504183	
	375866	374750		H	2501001	F-W	3		2504615	2513493	
	375901	2500690			2501029	2509426			2504616	2513491	
	375932	374750			2501220	2504102			2505051	2505500	
	375941	2500690			2501310	2502646			2505087	2505229	
	376155	2501001			2501350	2512140		MV	2505229	C-G	14
AP	376440	G	4		2501370	2503259			2505396	2505500	
SPH	376500	C	1	H	2501424	F	5		2505479	2513812	
	376504	2500690			2501625	2504105		MV	2505500	F	12
TPH	376658	CK-F	2		2501666	2502646		AP	2505516	C	4
	376664	374230			2501847	2504102			2505779	2505500	
	376700	379900			2501850	2504113			2506209	2513493	
	376710	375279			2501851	2504106			2506352	2508400	
	376712	2500690			2501852	2504106			2506420	2508400	
	376755	376500		MP	2502061	C-G	4		2506663	2508523	
	376862	378265			2502062	2502061			2506665	2508523	
	376970	377011			2502075	2504102			2506795	2508523	
SPH	377011	MI	1		2502076	2504113			2506882	2507652	
	377042	374750			2502077	2504106		TH	2507224	F	6
	377144	376500			2502078	2504106			2507376	2509140	
	377215	374980			2502107	2502061			2507377	2509140	
	377372	376500			2502108	2502061			2507378	2509140	
	377452	374229		SDH	2502119	I	3		2507650	2507652	
	377456	2500690			2502281	2502646		MV	2507652	F	14
	377543	379900			2502340	2500397			2507713	2510952	
	377600	379900			2502503	2502702			2507715	2510952	
	377615	379900			2502536	2503566			2507718	2510952	
	377623	374229			2502602	2502703			2507727	2508523	
	377678	378003		MV	2502646	I	NS		2507728	2508523	
	377800	2500397		M	2502702	D-W	4		2507730	2508523	
TPH	377839	D	2	SPH	2502703	I	1		2507732	2507632	
SPH	378003	S	1		2502711	2502970			2507860	2512059	
	378182	376500			2502712	2502842			2508014	2509140	
	378265	379900			2502731	2502759			2508059	2512059	
	378464	374750		MV	2502842	C	12		2508065	2513491	
	378589	2500690			2502896	2512076			2508096	2512066	
	378600	2500690			2502982	2512076			2508099	2510999	
	378802	379474			2503098	2513813			2508113	2510999	
	378804	2500397			2503123	2513812		SPH	2508177	F	1
	378855	379900			2503139	2512065			2508336	2511083	

BENDIX CONVERSION TO BASIC NUMBERS

U.T.	Part No.	Basic No./ Gen. Application	Pic. Ref.	U.T.	Part No.	Basic No./ Gen. Application	Pic. Ref.	U.T.	Part No.	Basic No./ Gen. Application	Pic. Ref.
	2508338	2511083			2511172	2512141		MV	2514483	C-G	14
	2508350	2508523			2511173	2512139		MV	2514490	C-G	12
	2508351	2508523			2511174	2512142		MV	2514491	C-G	12
	2508356	2508523		MV	2511226	F	14	MV	2514492	C-G	14
	2508379	2509140		MV	2511488	C-G	14	MV	2514493	C-G	14
	2508398	2508400			2511559	2511564		MV	2514553	F	12
MV	2508400	C-G-I	14	MV	2511564	F	14	MV	2514751	D	14
	2508401	2508400		MV	2511572	D	14	MV	2514752	D	13
	2508506	2508400		MV	2511597	F	14	MV	2514776	D	
MV	2508523	F	12	H	2512059	I	5	MV	2515075	F	14
	2508557	2510958		H	2512060	I	5	MV	2515076	F	14
	2508558	2510958		H	2512061	I	5	MV	2515227	D	12
	2508577	2510958		H	2512062	D	5	MV	2515228	D	12
	2508597	2512060		H	2512063	D	5	MV	2515298	F	
	2508610	2512066			2512064	2512065		MV	2515380	D	14
	2508638	2509140		H	2512065	C-G	5	MV	2516106	F	
	2508643			H	2512066	C-G	5	MV	2516107	F	
				H	2512076	I	5	MV	2516108	F	12
	2508819	2512060		H	2512138	F	5	MV	2516765	D	
	2508827	2512065		H	2512139	F	5	MV	2517-G26	D	
	2508829	2512066		H	2512140	F	5	MV	2518525	D	
DV	2508943	2508523	7	H	2512141	F	5	MV	2518555	F	
	2509140	F		TH	2512142	F	6	MV	2518642	C-G	14
	2509143	2509140			2512165	2511083		MV	2518643	C-G	
	2509146	2509140			2512189	2512140		MV	2518644	C-G	
	2509149	2509140			2512190	2512139		MV	2518656	F	
	2509152	2509140			2512229	2509140		MV	2518659	C-G	
	2509153	2509426		MV	2512292	F	12	MV	2518661	C-G	
	2509364	2512140		MV	2512293	F	12	MV	2518664	C-G	
SPH	2509426	F	1	MV	2512294	F	14	MV	2519636	F	
	2509547	2512141		MV	2512296	F	13	MV	2519970	F	
	2509558	2512139		MV	2512298	F	13		2710030	2771173	
	2509559	2512140		MV	2512300	F	14		2770002	2770767	
	2509605	2512142			2512554	2512139			2770003	2771173	
	2509616	2503151			2512569	2512140			2770004	2771173	
	2509870	2513493			2512570	2512140			2770019	2771173	
	2510027	2512062		MV	2512617	D			2770032	2771173	
	2510033	2510965		MV	2512643	D	12		2770055	2771173	
	2510065	2512138		MV	2512669	F	12		2770056	2771173	
	2510182	2510819		MV	2512671	F	14		2770057	2771173	
	2510241	2503151		MV	2512675	F	12		2770058	2771173	
	2510282	2510999		MV	2512681	F	14		2770059	2771173	
	2510400	2513812		MV	2512790	D	14		2770060	2771173	
	2510401	2513812		MV	2512837	D	14		2770062	2771173	
MV	2510468	F	13	MV	2512838	D	12		2770067	2771173	
H	2510555	C-G(MH)	5	MV	2512839	D	14		2770070	2771173	
	2510640	2503151		MV	2512980	F	13		2770079	2771173	
	2510680	2510728		MV	2513006	F	14		2770091	2771173	
MV	2510728	D	14		2513026	2512138			2770099	2771117	
MV	2510764	D	14		2513171	2512076			2770100	2771117	
	2510786	2511083		MV	2513294	D	12		2770101	2771117	
	2510790	2511083		MV	2513355	D	12		2770102	2771117	
MV	2510794	F	12	TH	2513491	I	6		2770106	2771119	
MV	2510799	F	13		2513492	2512141			2770107	2771117	
	2510813	2512063		TH	2513493	I	6		2770111	2771117	
	2510813	2512063		H	2513494	I	5		2770141	2770255	
MV	2510819		F		2513811	2513812			2770142	2770255	
	2510824	2511083		TH	2513812	C-G	6		2770143	2770255	
	2510834	2511083		TH	2513813	C-G	6		2770148	2771117	
MV	2510874	I	14	H	2513814	C-G	5		2770159	2771117	
MV	2510947	I	14	H	2513815	C-G	5		2770160	2771117	
MV	2510952	D	14	MV	2513845	D	14		2770161	2771117	
MV	2510958	D	14	MV	2513866	F	12		2770162	2771117	
MV	2510965	D	14	MV	2513869	F	12		2770166	2771117	
MV	2510999	I	14	MV	2513872	F	14		2770181	2770255	
	2511002	2510999		MV	2514023	D	14		2770182	2770255	
MV	2511018	CK	14	MV	2514110	F	14		2770197	2771117	
MV	2511083	F	14	MV	2514207	F	13		2770215	2770255	
H	2511170	F	5	MV	2514224	D	12		2770216	2770255	
	2511171	2512141		MV	2514462	D	12		2770220	2770255	

BENDIX CONVERSION TO BASIC NUMBERS

U.T.	Part No.	Basic No./ Gen. Application	Pic. Ref.	U.T.	Part No.	Basic No./ Gen. Application	Pic. Ref.	U.T.	Part No.	Basic No./ Gen. Application	Pic. Ref.
	2770221	2770255			2770765	2771119			2771559		9
	2770222	2771117		HB	2770767	C-G	8	HB	2771577	C-G	8
	2770223	2771117		HB	2770814	C-G	8	HB	2771578	C-G	8
	2770224	2771117		HB	2770916	C	8	HB	2771593	C-G	8
	2770227	2771117		HB	2771030	D	8	HB	2771717	C-G	8
	2770228	2770255			2771040	2771320		HB	2771721	C-G	8
	2770229	2770255		HB	2771117	C-G	8	HB	2771742	C-G	8
	2770238	2770255		HB	2771118	C-G	8	HB	2771743	C-G	8
	2770240	2770256		HB	2771119	C-G	8	HB	2771744	C-G	8
	2770242	2770255		HB	2771155	C-G	8	HB	2771745	C-G	8
HM	2770255	F	9	HB	2771173	G(MH)-D	8	HB	2771746	C-G	8
HM	2770256	F-I	9	HB	2771250	C-G	8	HB	2771790	C-G	8
HB	2770270	C-G	8	PM	2771320	F, I	9	HB	2771791	C-G	8
HB	2770317	C-G	8		2771371	2770255		HB	2771792	C-G	8
HB	2770390	C-G	8		2771420	2771494		HM	2772184	C-G-F	8
HB	2770391	C-G	8		2771468	2771494		PM	2772301	C-G	9
HB	2770433	F	8	PM	2771494	F, I	9	MH	2772181	C-G-F-I	9
HM	2770454	I	9		2771532	2771494					
HB	2770481	F	8	PM	2771544	F, I	9				
HB	2770520	C-G(HM)	8		2771552	2770454					
HB	2770726	C-G-D	8		2771558	2770255					

DELCO MORAINÉ CONVERSION TO BASIC NUMBERS

U.T.	Part No.	Basic No./ Gen. Application	Pic. Ref.	U.T.	Part No.	Basic No./ Gen. Application	Pic. Ref.	U.T.	Part No.	Basic No./ Gen. Application	Pic. Ref.
	18001029	18003998		DB	18013061	C-G		DB	18021125	C-G	
DP	18001047	C-G	11	DB	18013986	C-G		DB	18021126	C-G	
DP	18001072	C-G	11	DH	18014080	C-G		DB	18021310	C-G	
DP	18001073	I	11	PM	18015776	18006974	10	DB	18021897	C-G	
	18001148	18001810			18016057	C-G		DB	18022044	C-G	
	18001229	18003998		DB	18016058	C-G		DB	18022072	C-G	
DH	18001810	C-G	10		18017187	18014080		DB	18029985	C-G	
PM	18001812	18006974	10			18017730					
DP	18003144	I	11		18014080						
DB	18003686	C-G			18018077	18001810					
DH	18003998	I	10			18018131					
	18004527	18001810			18001810						
	18005539	18001047			18018132	18014080					
	18006232	18001810				18019352					
PM	18006974	C-G			18014080 w/ rod						
	18007368	18006974		DB	18019415	C-G					
	18008773	18001072			18019576	18014080					
	18008972	18001047			18019639	18006974					
	18008973	18001072		DB	18020202	C-G					
	18008974	18001047		DB	18020203	C-G					
	18011248	18001810			18020383	18014080					
	18011482	18001810			18020710	18014080 w/ rod					
	18012148	18001810									
	18012330	18001810									

IHC / NAVISTAR CONVERSION TO BASIC NUMBERS

Part No.	Basic No.	Part No.	Basic No.
484238C91	18003998	1653762C92	2770454
501817C91	18003144	1656981C1	2771494
501828C91	18001047	1663064C91	2770454
504838C91	18003998	1669555C91	2232914
504839C91	18006974	1669561C1	2771494
572075C91	11912	1675774C91	2770454
572076C91	11908	1691291C91	2232914
1646975C91	2233866	1669311C91	55314
1669556C91	69556	1658443C91	55250
1646978C91	2770256		

MIDLAND CONVERSION TO BASIC NUMBERS

U.T.	Unit No.	Booster	M/C	Appl.	Pic.	U.T.	Unit No.	Booster	M/C	Appl.	Pic.
HP	C447			MI	NA	HP	C4042D			G	28
HP	C448T			D	15	B	C4044D			F	30
HP	C449			D	NA	B	C4044K			I	31
HP	C462C			F	16	HP	C4055			C-G	32
HP	C462H			F	16	HP	C4056			C-G	32
HP	C464R			D	17	HP	C4057C			MI, G	33
HP	C468C			C-D-MI	18	HP	C4058			MI, G	33
HP	C468L			C-D-MI	18	CA	C4063	C4044D	C3472SD		30
UV	C472A			MI	19	CA	C4072A	C4044K	C3510SA		31
UV	C479B			MI	19	CA	C4072C, D, & F	C4044K	C3510SX		31
HP	C490B			MI	20	CA	C4073A	C4044K	C3510SA		31
HP	C490G			MI	20	CA	C4047G	C4037L	C3492SX		29
HP	C3400			MI	NA	CA	C4074A, C	C4037N	C3492SX		29
HP	C3401			MI	NA	CA	C4083D, F	C4084J	C3502SB		34G
MC	C3472SD			F	40	B	C4084B			C-G	34A
MC	C3492SX			C-G	37	B	C4084C			I	34B
MC	C3496SX			F	38	B	C4084E			F	34C
MC	C3500SD		C3500SF			B	C4084H			F	34E
MC	C3500SE			I	41	B	C4084J			D	34G
MC	C3500SF			F	42	CA	C4085G, J, & N	C4084E	C3500SF		34D
MC	C3502SB			D	43	CA	C4085H	C4084E	C3496SC		34C
MC	C3503SX			C-G	44	CA	C4085M, T	C4084H	C3500SF		34E
MC	C3507SB			F	39	CA	C4085P	C4084H	C3507SB		34F
MC	C3510SA			I	45	CA	C4089A, D, & G	C4084B	C3503SX		34A
MC	C3510SX			I	46	CA	C4089B, F	C4084C	C3500SE		34B
HP	C4003			MI	21	HP	C4090			C-G	35
HP	C4007			MI	22	CA	C4091K	C4037L	C3492SX		29
HP	C4012E			C-G	23	CA	C4093	C4084H	C3507SB		34F
HP	C4013E			C-G	24	CA	C4093C	C4084B	C3503SX		34A
UV	C4021			MI	NA	CA	C4093D	C4084C	C3500SE		34B
CA	C4025J, K, & R	C4030B	C3472SD		26	CA	C4093	C4084E	C3496SC		34C
B	C4028A			F	25	CA	C4093F	C4084J	C3502SB		34G
CA	C4029J, K, & L	C4028A	C3472SD		25	CA	C4093H	C4084B	C3503SX		34A
B	C4030B			F	26	CA	C4093K	C4084H	C3507SB		34F
CA	C4031B, C, H, & J	C4030B	C3472SD		26	CA	C4093L	C4084B	C3503SX		34A
HP	C4034			G	27	CA	C4093N	C4084J	C3502SB		34G
HP	C4035A			G	27	CA	C4096A	C4044K	C3510SX		31
HP	C4036A			G	28	CA	C4096B	C4044K	C3510SA		NA
	C4037F	C4037L				UV	C4702			Misc. Trailers	36
	C4037G	C4037N									
B	C4037L			C	29						
B	C4037N			G	29						
	C4037P	C4037N									
HP	C4042B			G	28						

Air Hy-Powers available special order only.

To provide the broadest coverage from your inventory, Midland Firewall Mounted Boosters are listed separately. To order a complete unit, order Booster and Master Cylinder shown in interchange or application listing.

UNIT NUMBERS SHOWING UNIT TYPE (U.T.) AND GENERAL APPLICATION ARE BASIC NUMBERS

CASTING NUMBERS

Bendix Casting Numbers

Casting #	Precision #	Comments
2232543	12632	Mini Master Cyl. w/ switch, Ford application.
2230600	1-3/4" bore	Mini Master Cylinder
2230605	2" bore	Mini Master Cylinder
2771209	2770256	Hydromax
2771293	2770255	Hydromax, old style
2771371	2770255	Hydromax, new style
2771424	2770454	Hydromax II
2772114	2772184	Hydromax II used with 1 3/4" Bore Master Cylinder
2772114	2772181	Hydromax II used with 2" Bore Master Cylinder

Delco Moraine Casting Numbers

Casting Number	Precision Number	Comments
2623435	18001810	Hy-Power
2623435	18003998	Hy-Power
2623501	18001047	Dual Power
5474216	18001810	Hy-Power w/ Internal relief valve
18015785	18001810	Hy-Power, casting machined to fit this application.
18015785	18014080	Hy-Power

Midland Casting Numbers

CASTING NUMBER	UNIT NO. (S)	COMMENTS	CASTING NUMBER	UNIT NO. (S)	COMMENTS
C-3359	C449		300206	C3462	Single M.C.
C-3388	C462C		300206G	C3472	Single M.C.
C-3388	C468C & L		300308	C4036A	
C-3388	C472A		300308	C4042B & D	
C-3388	C4021		300318	C4057C	
C-3389	C464R		300318	C4058	
C-3389	C479B		300318	C4090	
C-3389-AA	N4185E, G	Pressure Converter II	300320	C4055	
C-3389-AA	N4195A, B		300320	C4056	
C-3389-AA	N4285A		300321	C4034	
C-3389-T	N4185C	Pressure Converter II	300322	C4035A	
C-3389-T	N4285		300322-L	C4702	
C-3389-T	N4385A		300358	C3492SX	Single M.C.
C-3395	C3400		300371	C3472SD	Single M.C.
C-3395	C3401		300406-C	C3503SX	Split M.C.
C-3433	C462H		300406-F	C3500SF	5 3/4" Push Rod
C-3433	C462N		300406-F	C3510SA	3 1/2" Push Rod
300001	C4003		300406-F	C3510SX	3 1/2" Push Rod
300001	C4007		300407-C	C3502SB	Split M.C.
300001	C4012E		300455	C3507SB	Single M.C.
300007	C490B		300459-A	C3500SE	Split M.C.
300007		C490G	400160	KN35020	N.S. Pressure Conv.
300028	C4013E				

BENDIX VACUUM PUMP CROSS REFERENCE

Unit I.D. to OEM Number to Precision Number

I.D. Code	OEM Part #	Precision Part #	I.D. Code	OEM Part #	Precision Part #	I.D. Code	OEM Part #	Precision Part #
3115	2513115	2513115	3177	2513177	2513129	4GA	2504145	2513176
3116	2513116	2513116	2AB	2501018	2513128	4GB	2504179	2513129
3117	2513117	2513117	2AF	2501042	2513175	4KI	2508028	2513130
3127	2513127	2513129	2AG	2502127	2513130	4W	2500948	2513129
3128	2513128	2513128	3AB	2506113	2513116	5J	2507719	2513116
3129	2513129	2513129	3AF	2501042	2513175	5JA	2512623	2513136
3130	2513130	2513130	3AK	2503780	2513128	AA	373156	2513129
3131	2513131	2513128	3AL	2504057	2513129	AB	375246	2513128
3132	2513132	2513132	3G	2501020	2513177	AF	2500410	2513175
3133	2513133	2513129	3G	2503199	2513117	GG	372819	2513117
3134	2513134	2513134	3J	2501015	2513116	JJ	372818	2513116
3135	2513135	2513116	3L	2501000	2513115	LL	372817	2513115
3136	2513136	2513136	3U	2501031	2513130	UU	373090	2513130
3172	2513172	2513172	3V	2501028	2513128	V V	373089	2513128
3173	2513173	2513128	3X	2501023	2513172	WW	372820	2513129
3174	2513174	2513130	4G	2501454	2513129	XX	373095	2513172
3175	2513175	2513175	4G	2512548	2513134			
3176	2513176	2513176	4GA	2503054	2513176			

OEM Number to Precision Number

OEM No.	Precision No.	OEM No.	Precision No.	OEM No.	Precision No.
372817	2513115	2501042	2513175	2513127	2513129
372818	2513116	2501454	2513129	2513128	2513128
372819	2513117	2502127	2513130	2513129	2513129
372820	2513129	2502558	2513172	2513130	2513130
373089	2513128	2503054	2513176	2513131	2513128
373090	2513130	2503199	2513117	2513132	2513132
373095	2513172	2503780	2513128	2513133	2513129
373156	2513129	2504057	2513129	2513134	2513134
375246	2513128	2504145	2513176	2513135	2513116
2500410	2513175	2504179	2513129	2513136	2513136
2500948	2513129	2506113	2513116	2513172	2513172
2501000	2513115	2507719	2513116	2513173	2513128
2501015	2513116	2508028	2513130	2513174	2513130
2501018	2513128	2512548	2513134	2513175	2513175
2501020	2513117	2512623	2513136	2513176	2513176
2501023	2513172	2513115	2513115	2513177	2513129
2501028	2513128	2513116	2513116		
2501031	2512130	2513117	2513117		

LIGHT DUTY VACUUM BOOSTERS

ROD CODE CROSS REFERENCE

Rod Code	I.D. NO.	Precision NO.	Rod Code	I.D. NO.	Precision NO.
13847	14752	2514752	DT-18		2510965
13849	13845	2513845	DT-18	12617	2512617
13851	14751	2514751	DT-19	13355	2513355
13858		2514207	DT-2	10952	2510952
13864	13866	2513866	DT-20	13294	2513294
13867	13869	2513869	DT-21	12837	2512837
13870	13872	2513872	DT-22	12839	2512839
14156	13863	2514110	DT-23	12838	2512838
14158		2513872	DT-40		2513294
14180		2514751	FT-11		2508523
14453		2514462	FT-14		2510794
14490	14490	2514490	FT-17	10468	2510468
14492	14492	2514492	FT-18		2510799
14498		2514224	FT-21		2508523
14537	14533	2514533	FT-21		2510794
15051		2516108	FT-22		2510819
15078		2515298	FT-26		2511083
15184		2515076	FT-27		2511226
15227		2515227	FT-28		2511597
15228		2515228	FT-29	12293	2512293
15315		2515075	FT-3		2505500
15350		2515227	FT-30		2511564
15361		2515228	FT-35	12292	2512292
15380		2515380	FT-36		2512293
16766		2516765	FT-37	12294	2512294
17221		2516106	FT-38	12296	2512296
17221		2516107	FT-39	12300	2512300
C-17		2518642	FT-40	12298	2512298
C-19		2518643	FT-44	12669	2512669
C-19		18022072	FT-45	12675	2512675
C-20		2518644	FT-46	12681	2512681
C-20		2518664	FT-47	13006	2513006
C-20		18013060	FT-48	12980	2512980
C-20		18013061	FT-7		2508523
C-20		18021310	FT-7	10794	2510794
C-27		18019415	FT-8		2507652
C-27		18021897	FT-8	11083	2511083
C-28		18020202	G-11	14493	2514493
C-28		18020203	G-11		2518659
C-28		18029985	G-11		18013986
CE-2	11018	2511018	G-26		2517-G26
CT-10	11488	2511488	G-9	14491	2514491
CT-10		18003686	IH-12		2510874
CT-4		2505229	IH-12		2510999
CT-4	8400	2508400	IH-13		2510947
D-6	14776	2514776	IH-14		2510999
DT-11	10764	2510764	IH-6	10999	2510999
DT-12		2510952	IH-8		2510999
DT-13		2514023	P-5		2518661
DT-14	10965	2510965	P-6	14483	2514483
DT-17	12643	2512643	P-8		2514483

CALIPER CROSS REFERENCE

EUCLID TO PRECISION

EUCLID#	PRX#	EUCLID#	PRX#	EUCLID#	PRX#
E-4235X	55098	E-9179X	55254, 55292	E-11750-SL	55849
E-4236X	55099	E-9180X	55255, 55293	E-11756-SL	55850
E-4237AX	55314	E-9181X	55604	E-11123-SL	60050312
E-4238X	55250	E-9182X	55605	E-11124-SL	60050313
E-4244X	55251	E-9183X	55498	E-11733-SL	60450468002
E-4245X	55252	E-9184X	55499	E-11734-SL	60450469002
E-9143X	55454	E-9185X	55500	E-11735-SL	60450473001
E-9147X	55215	E-9186X	55501	E-11736-SL	60450474001
E-9148X	55216	E-9187X	55518	E-11467-SL	60450455
E-9149X	55094	E-9188X	55519	E-11466-SL	60450454
E-9150X	55095	E-9189X	55506	E-12227	9044200801
E-9153X	55193	E-9190X	55507	E-12228	9044200901
E-9154X	55194	E-9191X	55520	E-12229	9044201801
E-9155X	55209	E-9192X	55521	E-12230	9044201901
E-9156X	55210	E-9193X	55496	E-12269	97365908
E-9157X	55207, 55383	E-9194X	55497	E-12270	97365907
E-9158X	55208, 55384	E-9195X	55634	E-12271	97720210
E-9159X	55205	E-9196X	55635	E-12272	97720206
E-9160X	55206	E-9197X	55304	E-12273	97365910
E-9161X	55264	E-9198X	55305	E-12274	97365909
E-9162X	55265	E-9199X	55060	E-12275	97207148
E-9163X	55243	E-9200X	55061	E-12276	97207147
E-9164X	55244	E-9201X	55456	E-12278	97365910
E-9165X	55233	E-9201X	55457	E-12279	97365909
E-9166X	55234	E-9203X	55413		
E-9167X	55411	E-9203X	55414		
E-9168X	55412	E-9205X	55460		
E-9169X	55199	E-9206X	55461		
E-9170X	55200	E-9209X	55245		
E-9171 X	55381	E-9210X	55616		
E-9172X	55382	E-9211X	55617		
E-9175X	55248	E-9212X	55460		
E-9176X	55249	E-9213X	55461		
E-9177X	55258	E-10685X	55656		
E-9178X	22259	E-11118X	55313		
Unit Type Abbreviations					
Abbr.	Description	Abbr.	Description	Abbr.	Description
AC	Air CyLinder	HB	Hydroboost	PA	Poppet Assembly
AF	Air Cleaner	HM	Hydromax]	PB	Parking Brake
AP	Air Pac	HV	Hydrovac	PC	Pressure Converter
CA	Caliper	MC	Master CylinderMU	PM	Pump & Motor
CL	Power Cluster	Misc. Unit		SK	Seal Kit
DB	Delco Booster	MN	Mini Pac	UV	Ultra Vac
DP	Dual Power	MP	Multipac	VL	Valve
DV	Duo Vac	MS	Master Vac	VP	Vacuum Pump
FS	Flow Switch	MV	Multivac		

NUMERICAL LISTING

Part#	Reference Page	Type	Part#	Reference Page	Type
065060	4-5	VL	1669311C91	5-7	CA
101A	1-59	PB	1669555C91	5-7	MC
101H	1-48, 50, 53, 55, 56, 4-5	PB	1669556C91	5-7	FS
108671	5-5	HM	1669561C1	5-7	PM
108762	5-5	HM	1675774C91	5-7	HM
108763	5-5	HM	1691291C91	5-7	MC
11885	1-23, 1-26, 2-18	MC	18001029	5-7	HP
11892	1-23	MC	18001047	1-18	DP
11898	1-67, 2-18	MC	18001072	1-18, 5-7	DP
11908	1-64, 66, 2-18	MC	18001073	5-7	DP
11909	1-48, 53, 2-18	MC	18001148	5-7	HP
11910	1-64, 66, 2-18	MC	18001810	1-17, 22, 23, 24, 25, 26, 27, 2-16	HP
11912	1-66, 2-18	MC	18001812	5-7	PM
11990	2-18	MC	18003144	1-66, 2-17	DP
11991	2-18	MC	18003686	1-12, 5-7, 5-11	VB
11992	1-48	MC	18003998	1-62, 64, 66, 67, 5-7, 2-16	HP
11993	1-18, 22, 23, 24, 25, 66, 2-18	MC	18004527	5-7	HP
11994	1-62, 65, 66, 2-18	MC	18006974	1-17, 22, 23, 24, 25, 26, 27, 62, 64, 1-66, 67, 2-16, 17, 5-7	PM
11995	1-56, 2-18	MC	18007368	5-7	PM
11997	2-18	MC	18008972	5-7	VB
11998	2-18	MC	18008973	5-7	VB
11999	1-48, 50, 52, 53, 55, 56	MC	1801306	1-9	VB
12000	1-18, 22, 24, 25, 62, 66, 2-18	MC	18013060	1-7, 5-11	VB
12198	1-42	MC	18013061	1-5, 5-11	VB
12306	1-24	MC	18013986	1-14, 5-11, 5-7	VB
12339	1-62, 2-18	MC	18014080	1-19, 2-16, 5-7	HP
12379	1-47, 50, 52, 55, 62, 63, 64, 2-18	MC	18015776	1-19, 2-16, 17, 5-7	PM
12430	1-17, 19, 22, 24, 2-18	MC	18016057	1-12	VB
12466	1-52	MC	18016058	1-12, 5-7	VB
12519	1-32, 33	MC	18017187	5-7	HP
12618	2-18	MC	18019415	1-5, 7, 8, 11, 5-11	VB
12632	1-47, 48, 52, 53, 55, 2-18	MC	18019576	5-7	HP
12671	1-17, 19, 20, 21, 24, 2-18	MC	18019639	5-7	PM
12840	1-42	MC	18020202	1-5, 11, 5-11	VB
129644	5-5	MC	18020203	1-8, 11, 5-7, 11	VB
129648	5-5	MC	18020383	5-7	HP
129650	5-5	MC	18020593	2-16	FS
129651	5-5	MC	18020710	5-7	HP
129684	5-5	MC	18021125	1-6, 10, 5-7	VB
129685	5-5	MC	18021126	1-14, 5-7	VB
129686	5-5	MC	18021310	1-7, 5-7, 11	VB
129687	5-5	MC	18021897	1-9, 11, 5-7, 11	VB
129688	5-5	MC	1802202	1-7	VB
129694	5-5	MC	18022044	1-6, 10, 5-7	VB
12973	1-45	MC	18022072	1-14, 5-7, 11	VB
13056	1-31	MC	18029985	1-8, 5-7, 11	VB
13057	1-31	MC	18060777	1-5, 7	VB
13280	1-41	MC	201179R	1-48, 50, 52, 53, 55, 4-3	LU
13281	1-40	MC	201180R	1-48, 50, 52, 53, 55, 4-3	LU
13282	1-40, 41	MC	201181R	1-48, 50, 52, 53, 55, 56, 4-3	LU
13283	1-40	MC	201182R	1-48, 50, 52, 53, 55, 56, 4-3	LU
13284	1-40	MC	201183R	1-48, 50, 52, 53, 55, 4-3	LU
13293	1-41	MC	201184R	1-48, 50, 52, 53, 55, 4-3	LU
13355	1-42, 43, 44	MC	201185R	1-48, 50, 53, 55, 56, 4-3	LU
13442	1-30, 31	MC	201186R	1-48, 50, 53, 55, 56, 4-3	LU
13488	1-32	MC	202249R	1-48, 50, 53, 55, 4-4	LU
13497	1-40	MC	202250R	1-48, 50, 53, 55, 4-4	LU
13498	1-40	MC	202251R	4-4	LU
13648	1-41, 43, 44, 45	MC	202252R	4-4	LU
13649	1-41, 43, 44, 45	MC	202261R	1-48, 50, 53, 55, 4-4	LU
1646975C91	5-7	MC	202262R	1-48, 50, 53, 55, 4-4	LU
1646978C91	5-7	HM	202271R	1-48, 50, 52, 53, 55, 4-4	LU
1653762C92	5-7	HM	202272R	1-48, 50, 52, 53, 55, 4-4	LU
1656981C1	5-7	PM	203249R	1-48, 50, 53, 55, 56, 4-4	LU
1658443C91	5-7	CA	203250R	1-48, 50, 53, 55, 56, 4-4	LU
1663064C91	5-7	HM			

NUMERICAL LISTING

Part#	Reference Page	Type	Part#	Reference Page	Type
203251R	4-4	LU	2502281	5-5	MV
203252R	4-4	LU	2502340	5-5	HV
203261R	1-48, 50, 52, 53, 55, 4-4	LU	2502702	1-38, 61, 2-4, 5-5	MN
203262R	1-48, 50, 52, 53, 55, 4-4	LU	2502703	1-67, 2-9, 5-5	HV
22259	5-12	MU	2502711	5-5	MU
2234929	1-4, 9, 2-18	MC	2502712	5-5	MU
2234934	1-59, 2-18	MC	2502731	5-5	MU
2283-7	1-52, 3-15	CA	2502842	5-5	MV
2284-5	1-52, 3-15	CA	2502896	5-5	HV
2500085	5-5	MV	2502982	5-5	HV
2500086	2-4, 5-5	MP	2503054	5-10	VP
2500087	2-4, 5-5	MP	2503098	5-5	HV
2500137	5-5	MP	2503123	5-5	HV
2500138	5-5	MP	2503139	5-5	HV
2500187	5-5	MP	2503151	1-13, 16, 27, 29, 38, 2-10, 5-4, 5, 10	HV
2500397	1-14, 17, 28, 57, 60, 67, 68, 2-9, 5-5, 2-9, 5-5	HV	2503199	5-10	VP
2500410	5-10	VP	2503225	2-35	AF
2500420	5-5	MV	2503230	5-5	MN
2500487	1-38, 2-9, 5-5	HV	2503258	5-5	HV
2500506	5-5	MP	2503259	1-49, 51, 54, 58, 2-10, 5-5	HV
2500509	5-5	HV	2503566	1-67, 2-4, 5-5	MP
2500517	1-39, 61, 67, 2-9, 5-4, 5	HV	2503703	1-67, 2-4, 5-5	AP
2500521	5-5	HV	2503780	5-10	VP
2500660	2-9, 5-5	MV	2504052	5-5	HV
2500685	2-4, 5-5	AP	2504055	5-4, 5	HV
2500690	1-27, 28, 39, 51, 54, 61, 67, 2-4, 5-5	AP	2504057	5-10	VP
2500695	1-61, 67, 2-4, 5-5	AP	2504058	5-4, 5	HV
2500696C91	2-15	FS	2504102	1-28, 20-10, 5-4, 5	HV
2500700	5-5	AP	2504105	1-67, 5-4, 2-10, 5-5	HV
2500710	5-5	AP	2504106	1-23, 2-11, 5-4, 5	HV
2500715	5-5	AP	2504109	5-4, 5	HV
2500720	5-5	AP	2504111	5-5	HV
2500735	5-5	AP	2504112	5-5	HV
2500755	5-5	AP	2504113	1-27, 28, 2-10, 5-5	HV
2500948	5-10	VP	2504114	5-5	HV
2501000	5-10	VP	2504115	5-5	HV
2501001	1-57, 2-9, 5-5	HV	2504131A	2-35	PA
2501015	5-10	VP	2504132A	2-35	PA
2501018	5-10	VP	2504133A	2-35	PA
2501023	5-10	VP	2504134A	2-35	PA
2501028	5-10	VP	2504145	5-10	VP
2501029	5-5	HV	2504150	5-5	HV
2501031	5-10	VP	2504151	5-5	HV
2501042	5-10	VP	2504179	5-10	VP
2501220	5-5	HV	2504183	1-27, 5-5	AP
2501310	5-5	MV	2504184	5-5	AP
2501350	5-5	HV	2504187	2-10, 5-5	HV
2501370	5-5	HV	2504188	5-5	HV
2501424	1-54, 57, 58, 2-10, 5-5	HV	2504303	5-5	HV
2501454	5-10	VP	2504304	5-5	HV
2501625	5-5	HV	2504305	5-5	HV
2501666	5-5	MV	2504306	5-5	HV
2501847	5-5	HV	2504338	5-5	AP
2501850	5-5	HV	2504398	5-5	AP
2501851	5-5	HV	2504399	5-5	AP
2501852	5-5	HV	2504615	5-5	HV
2501975	2-4	AP	2504616	5-4, 5	HV
2502061	1-23, 5-5	AP	2504985	5-4	MU
2502062	5-5	MP	2505051	5-5	MU
2502075	5-5	HV	2505087	5-5	MU
2502076	5-5	HV	2505229	1-13, 5-11, 5-5	MV
2502077	5-5	HV	2505396	5-5	MS
2502078	5-5	HV	2505479	5-5	HV
2502107	5-5	MP	2505500	1-47, 5-11, 5-5	MV
2502108	5-5	MP	2505516	2-4, 5-5	AP
2502119	1-67, 2-9, 5-5	MV	2505779	5-5	MS
2502127	5-10	VP	2506113	5-10	VP

NUMERICAL LISTING

Part#	Reference Page	Type	Part#	Reference Page	Type
2506209	5-5	HV	2510033	5-6	MU
2506352	5-5	MU	2510065	5-4, 6	HV
2506420	5-5	MU	2510182	5-6	MU
2506663	5-5	MS	2510241	5-6	HV
2506665	5-5	MS	2510282	5-6	MU
2506795	5-5	VB	2510400	5-4, 6	HV
2506882	5-5	MS	2510401	5-4, 6	HV
2507224	1-57, 2-11, 5-5	HV	2510468	1-42, 45, 5-6, 11	MS
2507376	5-5	DV	2510555	1-16, 2-10, 5-6	HV
2507377	5-5	DV	2510640	5-4, 6	HV
2507378	5-5	DV	2510680	5-6	MU
2507650	5-5	MS	2510728	5-6	MV
2507652	1-47, 5-11, 5-5	MV	2510764	1-33, 69, 5-6, 11	MS
2507713	5-5	MU	2510786	5-6	VB
2507715	5-5	MS	2510790	5-6	VB
2507718	5-5	MU	2510794	1-42, 45, 5-6, 11	MV
2507719	5-10	VP	2510799	1-46, 5-6, 11	MS
2507727	5-5	MS	2510813	5-6	HV
2507728	5-5	MS	2510819	1-41, 5-6, 11	MV
2507730	5-5	MS	2510824	5-6	VB
2507732	5-5	MU	2510834	5-6	VB
2507860	5-5	HV	2510874	1-60, 5-6, 11	MS
2508014	5-5	DV	2510947	1-60, 5-6, 11	MV
2508028	5-10	VP	2510952	1-36, 37, 38, 5-6, 11	MV
2508059	5-5	HV	2510958	5-6	MV
2508065	5-5	HV	2510965	1-31, 34, 35, 36, 37, 38, 39, 5-6, 11	MV
2508096	5-5	HV	2510999	1-60, 5-6, 11	MS
2508099	5-5	MU	2511002	5-6	MS
2508113	5-6	MS	2511018	1-29, 5-6, 11	MS
2508177	2-9, 5-6	HV	2511083	1-45, 46, 5-6, 11	MS
2508336	5-6	HV	2511170	1-54, 56, 5-4, 2-10, 5-6	HV
2508338	5-6	HV	2511171	5-6	HV
2508350	5-6	MU	2511172	5-6	HV
2508351	5-6	MS	2511173	5-6	HV
2508356	5-6	MU	2511174	5-6	HV
2508379	5-6	DV	2511226	1-46, 5-6, 11	MV
2508398	5-6	MU	2511488	1-6, 5-6, 11	MV
2508400	1-10, 13, 16, 60, 5-6, 11	MV	2511559	5-6	MU
2508401	5-6	MU	2511564	1-46, 5-6, 11	MV
2508506	5-6	MU	2511572	5-6	MV
2508523	5-6, 11	MV	2511597	1-41, 5-6, 11	MV
2508557	5-6	MU	2512059	1-62, 65, 2-10, 5-6	HV
2508558	5-6	MU	2512060	1-65, 2-10, 5-6	HV
2508577	5-6	MS	2512061	1-62, 65, 67, 2-10, 5-4, 6	HV
2508597	5-6	HV	2512062	1-37, 38, 5-4, 2-10, 5-6	HV
2508610	5-6	HV	2512063	1-38, 5-4, 2-10, 5-6	HV
2508638	5-6	DV	2512064	5-4, 6	HV
2508643	5-4, 6	HV	2512065	1-18, 23, 26, 27, 5-4, 2-10, 5-6	HV
2508819	5-6	HV	2512066	1-18, 26, 5-4, 2-10, 5-6	HV
2508827	5-6	HV	2512076	1-62, 65, 66, 67, 5-4, 2-10, 5-6	HV
2508829	5-6	HV	2512130	5-10	MU
2508943	5-6	MS	2512138	1-50, 53, 55, 56, 2-10, 5-4, 6	HV
2509140	1-48, 54, 57, 58, 2-11, 5-4, 6	DV	2512139	1-48, 53, 55, 56, 5-4, 2-10, 5-6	HV
2509143	5-6	DV	2512140	1-48, 49, 50, 53, 54, 55, 56, 57, 58, 2-10, 5-4, 6	HV
2509146	5-6	DV	2512141	1-50, 53, 55, 56, 66, 5-4, 2-10, 5-6	HV
2509149	5-6	DV	2512142	1-56, 5-4, 2-11, 5-6	HV
2509152	5-6	DV	2512165	5-6	VB
2509153	5-6	HV	2512189	5-6	HV
2509364	5-4, 6	HV	2512190	5-6	HV
2509426	1-51, 54, 57, 58, 2-9, 5-6	HV	2512229	5-6	DV
2509547	5-4, 6	HV	2512292	1-40, 5-11, 5-6	MV
2509558	5-6	HV	2512293	1-40, 5-11, 5-6	MV
2509559	5-4, 6	HV	2512294	1-41, 5-11, 5-6	MV
2509605	5-6	HV	2512296	1-42, 55, 5-11, 5-6	MV
2509616	5-6	HV	2512298	1-45, 5-11, 5-6	MV
2509870	5-4, 6	HV	2512300	1-46, 5-6	MV
2510027	5-6	HV	2512548	5-10	VP

NUMERICAL LISTING

Part#	Reference Page	Type	Part#	Reference Page	Type
2512554	5-4, 6	HV	2514553	5-6	MV
2512569	5-6	HV	2514751	1-34, 35, 36, 37, 5-6, 11	MV
2512570	5-4, 6	HV	2514752	1-31, 34, 5-6, 11	MV
2512617	1-37, 5-11, 5-6	MV	2514776	1-33, 5-6, 11	MV
2512623	5-10	VP	2514916	5-4	MV
2512643	1-31, 34, 69, 5-6, 11	HV	2514917	5-4	HV
2512644	5-4	MU	2514918	5-4	HV
2512669	1-42, 44, 5-6, 11	MV	2514919	5-4	HV
2512671	5-6	MV	2514920	5-4	HV
2512675	1-44, 46, 5-6, 11	MV	2515029	5-4	HV
2512675	5-6	MV	2515030	5-4	HV
2512681	1-46, 5-11, 5-6	MV	2515050	5-4	HV
2512790	1-37, 5-6	MV	2515075	1-44, 46, 5-6, 11	MV
2512837	1-35, 36, 37, 5-6, 11	MV	2515076	1-40, 41, 5-6, 11	MV
2512838	1-33, 37, 69, 5-6, 11	MV	2515227	1-33, 5-6, 11	MV
2512839	1-33, 37, 69, 5-6, 11	MV	2515228	1-31, 34, 5-6, 11	MV
2512980	1-42, 44, 5-11, 5-6	MV	2515298	1-41, 5-6, 11	MV
2513006	1-44, 46, 5-6, 9, 11	MV	2515380	1-33, 5-6, 11	MV
2513026	5-4, 6	HV	2516106	1-40, 5-6, 11	MV
2513115	2-31, 5-10	VP	2516107	1-40, 41, 5-6, 11	MV
2513116	5-10	VP	2516108	1-42, 44, 5-6, 11	MV
2513117	2-31, 5-10	VP	2516765	1-33, 5-6, 11	MV
2513127	5-10	VP	2517-G26	1-31, 5-6, 11	VB
2513128	2-31, 5-10	VP	2518274	1-40, 41	MV
2513129	2-31, 5-10	VP	2518286	1-43, 34	MV
2513130	2-31, 5-10	VP	2518525	1-34, 35, 36, 37, 5-6	MV
2513131	5-10	VP	2518555	1-42, 5-6	MV
2513132	2-31, 5-10	VP	2518565	1-40	MV
2513133	5-10	VP	2518642	1-9, 12, 5-6, 11	VB
2513134	2-31, 5-10	VP	2518643	1-5, 5-6, 11	MV
2513135	5-10	VP	2518644	1-11, 5-6	MV
2513136	2-31, 5-10	VP	2518656	5-6	MV
2513171	5-4, 6	HV	2518659	1-14, 5-6, 11	VB
2513172	2-31, 5-10	VP	2518661	1-5, 5-6, 11	MV
2513173	5-10	VP	2518664	1-9, 11, 13, 16, 5-6, 11	VB
2513174	5-10	VP	2519636	1-44, 46, 5-6	MV
2513175	2-31, 5-10	VP	2519970	1-42, 5-6	MV
2513176	2-31, 5-10	VP	2710030	5-6	HB
2513177	5-10	VP	2765110	2-28	HV
2513294	1-31, 34, 35, 36, 69, 5-6, 11	MV	2770002	5-6	HB
2513355	1-33, 69, 5-6, 11	MV	2770003	5-6	HB
2513491	1-65, 5-6	HV	2770004	5-6	HB
2513492	5-4, 6	HV	2770019	5-6	HB
2513493	2-11, 5-6	HV	2770032	5-6	HB
2513494	1-65, 2-10, 5-4, 6	HV	2770055	5-6	HB
2513811	5-6	HV	2770056	5-6	HB
2513812	2-11, 5-6	HV	2770057	5-6	HB
2513813	2-11, 5-4, 6	HV	2770058	5-6	HB
2513814	1-23, 26, 2-10, 5-4, 6	HV	2770059	5-6	HB
2513815	1-18, 2-10, 5-4, 6	HV	2770060	5-6	HB
2513816	5-4	MU	2770062	5-6	HB
2513845	1-35, 36, 37, 5-6, 11	MV	2770067	5-6	HB
2513866	1-40, 5-6, 11	MV	2770070	5-6	HB
2513869	1-40, 5-6, 11	MV	2770079	5-6	HB
2513872	1-40, 41, 5-6, 11	MV	2770091	5-6	HB
2514023	1-33, 35, 36, 37, 69, 5-6, 11	MV	2770099	5-6	HB
2514110	1-44, 46, 5-6, 11	MV	2770100	5-6	HB
2514207	1-42, 44, 5-6, 11	MV	2770101	5-6	HB
2514224	1-33, 5-6, 11	MV	2770102	5-6	HB
2514462	1-30, 5-6, 11	MV	2770106	5-6	HB
2514483	1-10, 15, 5-6, 11	MV	2770107	5-6	HB
2514490	1-6, 5-6, 11	MV	2770111	5-6	HB
2514491	1-6, 5-6, 11	DB	2770141	5-6	HM
2514492	1-5, 6, 7, 8, 9, 12, 5-6, 11	MV	2770142	5-6	HM
2514493	1-6, 10, 5-6, 11	VB	2770143	5-6	HM
2514504	5-4	MU	2770148	5-6	HB
2514533	1-40, 5-11	MV	2770159	5-6	HB

NUMERICAL LISTING

Part#	Reference Page	Type	Part#	Reference Page	Type
2770160	5-6	HB	2771744	1-13, 2-12, 5-7	HB
2770161	5-6	HB	2771745	1-14, 2-12, 5-7	HB
2770162	5-6	HB	2771746	1-10, 14, 2-12, 5-7	HB
2770166	5-6	HB	2771790	5-7	HB
2770181	5-6	HM	2771791	1-7, 8, 11, 12, 15, 16, 2-12, 5-7	HB
2770182	5-6	HM	2771792	1-12, 15, 2-12, 5-7	HB
2770197	5-6	HB	2772094	2-13	HB
2770200	2-12	HB	2772181	1-4, 17, 19, 20, 21, 24, 47, 50, 52, 55, 59, 62, 63, 64, 2-15, 5-7	HM
2770212	2-12	HB	2772086	2-12	HB
2770215	5-6	HM	2772184	1-47, 2-15, 5-7	HM
2770216	5-7	HM	2772139	2-13	HB
2770220	5-7	HM	2772288	2-12	HB
2770221	5-7	HM	2772301	5-7	MU
2770222	5-7	HB	2772336	1-34, 35, 36, 2-12	HB
2770223	5-7	HB	2772400	1-10, 14, 2-12	HB
2770224	5-7	HB	2772401	1-6, 2-12	HB
2770225	2-12	HB	2772402	1-5, 7, 8, 11, 2-12	HB
2770227	5-7	HB	2772404	1-12, 2-13	HB
2770228	5-7	HM	2772405	1-12, 2-13	HB
2770229	5-7	HM	2772406	1-14	HB
2770238	5-7	HM	2772407	2-13	HB
2770240	5-7	HM	2772428	2-13	HB
2770242	5-7	HM	2772470	1-34, 35, 36, 2-13	HB
2770255	1-48, 50, 52, 53, 55, 56, 2-15, 4-5, 5-7	HM	2772482	2-13	HB
2770256	1-56, 65, 2-15, 5-7	HM	2772499	1-6, 10, 2-13	HB
2770270	1-10, 14, 2-12, 5-7	HB	2772546	1-45, 2-13	HB
2770317	1-5, 6, 7, 8, 9, 12, 5-7	HB	2772557	2-13	HB
2770390	1-5, 2-12, 5-7	HB	2772681	1-34, 35, 36, 2-13	HB
2770391	1-15, 7, 9, 11, 5-7	HB	2772729	1-17, 2-17	PM
2770433	1-46, 5-7	HB	2772786	1-17, 19, 41	HB
2770454	1-4, 62, 63, 64, 66, 5-7	HM	2772795	1-41, 2-13	HB
2770481	5-7	HB	2772796	1-41, 2-13	HB
2770520	5-7	HB	2772820	2-13	HB
2770533	2-14	Rod	2772821	2-13	HB
2770726	1-13, 14, 15, 16, 37, 5-7	HB	2772822	2-13	HB
2770767	5-7	HB	2772839	1-41, 2-13	HB
2770814	1-6, 5-7	HB	2772847	1-43, 45, 2-13	HB
2770916	1-13, 14, 15, 16, 2-12, 5-7	HB	2772905	2-13	HB
2770918	2-12	HB	2772906	1-7, 8, 11, 12, 15, 2-13	HB
2771030	1-33, 34, 35, 36, 69, 5-7	HB	2772907	1-6, 2-13	HB
2771117	1-6, 8, 13, 14, 15, 16, 2-12, 5-7	HB	2772908	1-10, 14, 2-13	HB
2771118	1-13, 15, 2-12, 5-7	HB	2772995	2-13	HB
2771119	1-6, 2-12, 5-7	HB	2773315	1-43, 45, 2-13	HB
2771155	1-13, 16, 2-12, 5-7	HB	2773316	1-41, 2-13	HB
2771173	1-13, 14, 15, 16, 38, 2-12, 5-7	HB	286746	2-5	MC
2771250	1-9, 10, 11, 12, 13, 14, 15, 16, 2-12, 5-7,	HB	286755	2-5	MC
2771320	2-17, 2-15, 4-5, 5-7	PM	287069	2-5	MC
2771371	5-7	HM	288398	2-5	MC
2771406	2-14	Rod	300001	5-9	MC
2771420	5-7	PM	300007	5-9	MC
2771468	5-7	PM	300028	5-9	MC
2771494	1-4, 47, 48, 50, 52, 53, 55, 56, 62, 63, 64, 65, 66, 2-15, 17, 5-7	PM	300206	5-9	MC
2771532	5-7	PM	300206G	5-9	MC
2771544	2-15, 5-7	PM	300308	5-9	MC
2771552	5-7	HM	300318	5-9	MC
2771558	5-7	HM	300320	5-9	MC
2771559	5-7	HM	300321	5-9	MC
2771577	1-9, 11, 13, 2-12, 5-7	HB	300322	5-9	MC
2771578	1-5, 7, 9, 11, 2-12, 5-7	HB	300322-L	5-9	MC
2771593	1-13, 19, 2-12, 5-7	HB	300358	5-9	MC
2771605	1-10, 2-12	HB	300371	5-9	MC
2771717	1-15, 5-7	HB	300405-C	5-9	MC
2771721	5-7	MU	300405-F	5-9	MC
2771741	2-12	HB	300407-C	5-9	MC
2771742	1-9, 13, 16, 2-12, 5-7	HB	300455	5-9	MC
2771743	1-5, 7, 8, 11, 2-12, 5-7	HB	300459-A	5-9	MC

NUMERICAL LISTING

Part#	Reference Page	Type	Part#	Reference Page	Type
372817	5-10	VP	378855	5-5	HV
372818	5-10	VP	379315	5-5	HV
372819	5-10	VP	379474	1-17, 18, 28, 57, 61, 68, 2-9, 5-5	HV
372820	5-10	VP	379481	5-5	HV
373089	5-10	VP	379492	5-5	HV
373090	5-10	VP	379695	5-5	MV
373095	5-10	VP	379776	5-5	HV
373156	5-10	VP	379900	1-13, 17, 2-9, 5-5	HV
373853	2-9	HV	400160	5-9	PC
374000	5-5	HV	4141	2-34	VP
374229	1-61, 67, 2-9, 5-5	HV	4142	2-34	VP
374230	2-9, 5-5	HV	4150982	5-4	HV
374300	2-9, 5-5	HV	4150983	5-4	HV
374550	2-9, 5-5	HV	4150984	5-4	HV
374750	1-28, 61, 65, 66, 2-9, 5-5	HV	4150985	5-4	HV
374980	1-18, 54, 61, 68, 2-9, 5-5	HV	4151108	5-4	HV
375100	5-5	HV	4151217	5-4	HV
375246	5-10	VP	4151219	5-4	HV
375278	1-54, 57, 61, 2-9, 5-5	HV	4151228	5-4	HV
375279	1-54, 57, 68, 2-9, 5-5	HV	4208	2-28	VP
375440	5-5	AP	4210	2-28	VP
375680	5-5	HV	4212	2-28	VP
375698	5-5	HV	4216	2-28	VP
375756	5-5	AP	49D4	2-28	VB
375757	5-5	AP	500086	2-4	MU
375817	5-5	AP	501817C91	5-7	VB
375844	1-61, 68, 2-4, 5-5	AP	501828C91	5-7	DP
375866	5-5	HV	501830C91	2-16	FS
375901	5-5	AP	504838C91	5-7	SK
375932	5-5	HV	504839C91	5-7	PM
375941	5-5	AP	5300	2-28	VB
376155	5-5	HV	5300H	2-28	VB
376440	2-4	AP	55060	5-12	CA
376440	5-5	AP	55061	5-12	CA
376500	5-5	HV	55094	5-12	CA
376504	5-5	AP	55095	5-12	CA
376658	1-29, 2-9, 5-5	HV	55098	1-13, 14, 15, 16, 62, 63, 64, 66, 3-2, 5-12	CA
376664	5-5	HV	55099	1-13, 14, 15, 16, 62, 63, 64, 66, 3-2, 5-12	CA
376700	5-5	HV	55119	1-32, 33	CA
376710	5-5	HV	55193	5-12	CA
376712	5-5	AP	55194	5-12	CA
376755	5-5	HV	55199	1-4, 12, 13, 15, 21, 22, 24, 25, 36, 37, 3-2, 5-12	CA
376862	5-5	MU	55200	1-4, 12, 13, 15, 21, 22, 24, 25, 36, 37, 3-2, 5-12	CA
376970	5-5	HV	55205	5-12	CA
377011	5-5	HV	55206	5-12	CA
377042	5-5	HV	55207	5-12	CA
377144	5-5	HV	55208	5-12	CA
377215	1-29, 5-5	HV	55209	5-12	CA
377372	5-5	HV	55210	5-12	CA
377452	5-5	HV	55215	5-12	CA
377456	5-5	AP	55216	5-12	CA
377475	1-29	HV	55233	5-12	CA
377543	5-5	HV	55234	5-12	CA
377600	5-5	HV	55243	5-12	CA
377615	5-5	HV	55244	5-12	CA
377623	5-5	HV	55245	1-62, 66, 5, 3-2, 5-12	CA
377678	5-5	MU	55248	5-12	CA
377800	5-5	HV	55249	5-12	CA
377839	1-39, 2-9, 5-5	HV	55250	1-4, 17, 21, 22, 23, 24, 25, 61, 62, 63, 64, 65, 66, 3-4, 5-12	CA
378003	5-5	HV	55250SP	3-4	CA
378182	5-5	MU	55251	1-17, 18, 19, 21, 22, 23, 24, 25, 47, 48, 52, 1-53, 55, 56, 3-7, 5-12	CA
378265	5-5	HV	55252	1-21, 22, 47, 48, 52, 53, 55, 56, 5-12	CA
378464	5-5	HV	55253	3-7	CA
378589	5-5	AP	55254	3-5, 5-12	CA
378600	5-5	MU	55255	3-5, 5-12	CA
378802	5-5	HV			
378804	5-5	MU			

NUMERICAL LISTING

Part#	Reference Page	Type	Part#	Reference Page	Type
55258	5-12	CA	55856	1-8, 15	CA
55264	5-12	CA	55857	1-40, 41, 3-15	CA
55265	5-12	CA	55858	1-40, 41, 3-15	CA
55292	5-12	CA	55861	1-45, 3-11	CA
55293	5-12	CA	55862	1-45, 3-11	CA
55304	5-12	CA	55865	1-30, 32	CA
55305	5-12	CA	55866	1-30, 32	CA
55313	3-3, 5-12	CA	55888	1-31, 32	CA
55314	1-4, 62, 63, 64, 65, 66, 3-3, 5-12	CA	55890	1-30	CA
55381	5-12	CA	55899	1-30	CA
55382	5-12	CA	55929	1-43	CA
55383	5-12	CA	55930	1-43	CA
55384	5-12	CA	55966	1-30	CA
55411	3-6, 5-12	CA	55967	1-30	CA
55412	3-6, 5-12	CA	55972	1-30	CA
55413	5-12	CA	55973	1-30	CA
55414	5-12	CA	55988	1-30	CA
55454	3-10	CA	55989	1-30	CA
55455	3-10	CA	55990	1-30	CA
55456	5-12	CA	56516	1-26, 3-16	CA
55457	5-12	CA	56517	1-26, 3-16	CA
55460	3-7, 5-12	CA	56518	1-26	CA
55461	3-7, 5-12	CA	56519	1-26	CA
55480	1-17, 18, 19, 22, 24, 3-5	CA	56520	3-13	CA
55496	1-31, 5-12	CA	56534	1-34, 59	CA
55497	1-31, 5-12	CA	56535	1-34, 60	CA
55498	5-12	CA	56536	1-34, 59	CA
55499	5-12	CA	56537	1-34, 59	CA
55500	1-30, 5-12	CA	56538	1-34, 59	CA
55501	1-30, 5-12	CA	56539	1-34, 59	CA
55506	5-12	CA	56540	1-34, 59	CA
55507	5-12	CA	56541	1-34, 59	CA
55517	3-4	CA	56542	1-34, 59	CA
55518	3-17, 5-12	CA	56543	1-34, 59	CA
55519	3-17, 5-12	CA	56544	1-34, 59	CA
55520	5-12	CA	56545	1-34, 59	CA
55521	5-12	CA	56546	1-34, 59	CA
55604	1-41, 46, 3-10, 5-12	CA	56547	1-34, 59	CA
55605	1-41, 46, 3-10, 5-12	CA	56811	1-26	CA
55616	5-12	CA	56812	1-26	CA
55617	5-12	CA	572075C91	5-7	MC
55634	5-12	CA	572076C91	5-7	MC
55635	5-12	CA	60050312	5-12	CA
55656	1-4, 59, 64, 3-5, 5-12	CA	60050313	5-12	CA
55687	1-31	CA	60450454	5-12	CA
55688	1-31	CA	60450455	5-12	CA
55717	1-59	CA	60450468002	5-12	CA
55748	1-46, 3-11	CA	60450469002	5-12	CA
55749	1-40, 41, 43, 44, 3-11	CA	60450473001	5-12	CA
55794	1-44, 3-13	CA	60450474001	5-12	CA
55795	1-44, 3-13	CA	6051 001 002	4-8	PB
55801	1-44	CA	6051 001 004	4-8	PB
55802	1-44	CA	6051 001 009	4-8	PB
55804	3-3	CA	6051 001 013	4-8	PB
55811	3-16	CA	6051 001 014	4-8	PB
55812	3-16	CA	6051 001 018	4-8	PB
55815	1-32	CA	6051 001 020	4-8	PB
55816	1-32	CA	6051 001 022	4-8	PB
55829	3-14	CA	6051 001 023	4-8	PB
55830	3-14	CA	6051 001 024	4-8	PB
55835	1-43, 45	CA	6051 001 025	4-8	PB
55837	1-43, 45, 3-14	CA	6051 001 026	4-8	PB
55838	1-43, 45, 3-14	CA	6051 001 027	4-8	PB
55849	1-4, 59, 63, 3-6, 5-12	CA	6051 001 028	4-8	PB
55850	1-4, 59, 3-6, 5-12	CA	6051 001 029	4-8	PB
55854	1-8, 15	CA	6051 001 031	4-8	PB
55855	1-8, 15	CA	6051 001 032	4-8	PB

NUMERICAL LISTING

Part#	Reference Page	Type	Part#	Reference Page	Type
6051 001 033	4-8	PB	C4034	1-27, 2-25, 5-8, 9	HP
6051 001 035	4-8	PB	C4035A	1-27, 5-8, 9	HP
6051 001 036	4-8	PB	C4036	2-25	HP
6051 001 041	4-8	PB	C4037	2-25	VB
6051 001 042	4-8	PB	C4037F	5-8	VB
6208	2-28	VB	C4037G	5-8	VB
6210	2-28	VB	C4037L	1-23, 5-8	VB
6212	2-28	VB	C4037N	1-27, 5-8	VB
6216	2-28	VB	C4037P	5-8	VB
65060	1-48, 50, 52, 53, 55, 56	VL	C4042B	2-25, 5-8	HP
6510	2-4	MC	C4042D	1-27, 2-25, 5-8	HP
69556	2-15	FS	C4044D	1-49, 54, 2-25, 5-8	VB
71217	2-14	HP	C4044K	1-63, 67, 2-25, 5-8	VB
71235	2-14	HP	C4047G	5-8	VB
71236	2-14	HP	C4055	1-16, 27, 28, 2-25, 5-8, 9	HP
71237	2-14	HP	C4056	1-18, 27, 28, 5-8, 9	HP
71346	2-14	HP	C4057	1-18	VB
71586	2-14	HP	C4057C	5-8, 9	VB
9044200801	5-12	CA	C4058	1-27, 5-8, 9	HP
9044200901	5-12	CA	C4063	5-8	VB
9141	2-34	VP	C4072A	5-8	VB
9142	2-34	VP	C4072C, D, & F	5-8	VB
9143	2-34	VP	C4073A	5-8	VB
A-39562	2-8	CL	C4074A, C	5-8	VB
A-833	2-8	AC	C4083D, F	5-8	VB
A-834	2-8	AC	C4084B	1-18, 2-25, 27, 5-8	VB
A-835	2-8	AC	C4084C	1-62, 2-26, 27, 5-8	VB
A-836	2-8	AC	C4084E	1-48, 54, 58, 2-27, 5-8	VB
A-837	2-8	CL	C4084H	1-56, 2-26, 27, 5-8	VB
A-838	2-8	CL	C4084J	1-38, 2-26, 27, 5-8	VB
A-839	2-8	CL	C4085G, J, & N	5-8	VB
A-840	2-8	CL	C4085H	5-8	VB
A-88862	2-8	CL	C4085M, T	5-8	VB
ADB1540L	3-12	CA	C4085P	5-8	VB
ADB1540R	3-12	CA	C4089A, D, & G	5-8	VB
BP-1	1-47, 48, 50, 52, 53, 55, 56, 2-15, 4-5	BP	C4089B, F	5-8	VB
C-3359	5-9	HP	C4090	1-18, 27, 2-26, 5-8, 9	VB
C-3388	5-9	VB	C4091K	5-8	VB
C-3389	5-9	UV	C4093	5-8	VB
C-3389-AA	5-9	PC	C4093C	5-8	VB
C-3389-T	5-9	PC	C4093D	5-8	VB
C-3395	5-9	HP	C4093F	5-8	VB
C3400	5-9, 9	HP	C4093H	5-8	VB
C3401	5-9	HP	C4093K	5-8	VB
C3462	5-9	MC	C4093L	5-8	VB
C3472	5-9, 2-23	MC	C4093N	5-8	VB
C3472SD	1-47, 49, 54, 58, 2-23	MC	C4096A	5-8	VB
C3492SX	1-23, 27, 2-23, 5-8, 9	MC	C4096B	5-8	VB
C3496SX	2-23, 5-8	MC	C448T	1-39, 2-24, 5-8	HP
C3500SD	5-8	MC	C449	1-39, 5-8, 9	HP
C3500SE	1-62, 2-23, 5-8, 9	MC	C462C	1-51, 54, 57, 2-24	HP
C3500SF	1-48, 54, 56, 58, 2-23, 5-8, 9	MC	C462H	2-24	HP
C3502SB	1-38, 2-23, 5-8, 9	MC	C464R	1-38, 2-24, 5-8, 9	HP
C3503SX	1-18, 2-23, 5-8, 9	MC	C468	1-8, 2-24	HP
C3507SB	1-54, 56, 58, 5-8, 9	MC	C468C	1-16, 39, 5-8, 9	HP
C3510SA	1-67, 2-23, 5-8, 5-9	MC	C468L	5-8	HP
C3510SX	1-63, 2-23, 5-8, 9	MC	C4702	5-8, 9	UV
C4003	1-14, 5-8, 9	HP	C472A	2-24	UV
C4007	1-28, 2-24, 5-8, 9	HP	C472B	2-24	UV
C4012E	1-28, 2-24, 5-8, 9	VB	C479B	5-8, 9	UV
C4013E	1-28, 2-24, 5-8, 9	VB	C490B	2-24, 5-8, 9	VB
C4021	5-9, 9	UV	C490G	1-38, 2-24, 5-8, 9	VB
C4025J, K, & R	5-8	VB	F100558	1-27	MC
C4028A	1-49, 54, 58, 2-25, 5-8	VB	F100559	2-23	MC
C4029J, K, & L	5-8	VB	F100560	1-23, 26, 27, 2-23	MC
C4030B	1-47, 49, 54, 58, 2-25, 5-8	VB	F103254	2-23	MC
C4031B, C, H, & J	5-8	VB			

NUMERICAL LISTING

Part#	Reference Page	Type	Part#	Reference Page	Type
F105051	2-23	MC	N4274L	2-6	PC
F106465	2-23	MC	N4285	2-7	PC
F1251CV	1-66, 2-23	MC	N4285A	2-7	PC
F22977	2-23	MC	N4286A	2-6	PC
F22978	2-23	MC	N4286B	2-6	PC
F27304CV	2-23	MC	N4287	2-6	PC
F27305CV	2-23	MC	N4287A	2-6	PC
F2842	1-65, 66, 67	MC	N4287B	2-6	PC
F2951	1-64, 65, 2-23	MC	N4288	2-6	PC
F2962CV	2-23	MC	N4290A	2-6	PC
F42193	2-23	MC	N4290B	2-6	PC
F42194	2-23	MC	N4290C	2-6	PC
F4572	2-23	MC	N4290D	2-6	PC
F661CV	1-62, 63, 65, 66, 67, 70, 2-23	MC	N4294	2-6	PC
F77763	2-23	MC	N4294B	2-6	PC
F77764	2-23	MC	N4294D	2-6	PC
KN35020	2-7, 5-9	PC	N4294E	2-6	PC
L60050312	3-8	CA	N4295B	2-7	PC
L60050313	3-8	CA	N4295D	2-7	PC
L60050320	3-8	CA	N4295E	2-7	PC
L60050321	3-8	CA	N4385A	5-9	PC
LVP1696	2-32	VP	RC-01	4-5	VL
LVP1697	2-32	VP	RS-2	2-14	VL
LVP1790	2-32	VP	S60050595	1-17, 19, 20, 21, 3-9	CA
LVP2968	2-32	VP	S60050601	3-9	CA
LVP4013	2-32	VP			
LVP4092	2-32	VP			
LVP4342	2-33	VP			
LVP8253	2-33	VP			
LVP9897	2-33	VP			
N36000B	4-6	PB			
N36000C	4-6	PB			
N36000P	4-6	PB			
N4170F	2-6	PC			
N4170G	2-6	PC			
N4170L	2-6	PC			
N4170M	2-6	PC			
N4170R	2-6	PC			
N4174B	2-6	PC			
N4174E	2-6	PC			
N4174F	2-6	PC			
N4185C	2-7	PC			
N4185C	5-9	PC			
N4185E	2-7	PC			
N4185G	2-7	PC			
N4185J	2-7	PC			
N4190A	2-6	PC			
N4190C	2-6	PC			
N4190E	2-6	PC			
N4194	2-6	PC			
N4194B	2-6	PC			
N4194D	2-6	PC			
N4194E	2-6	PC			
N4195A	2-7	PC			
N4195B	2-7	PC			
N4270	2-6	PC			
N4270C	2-6	PC			
N4270E	2-6	PC			
N4270F	2-6	PC			
N4274	2-6	PC			
N4274A	2-6	PC			
N4274B	2-6	PC			
N4274D	2-6	PC			
N4274E	2-6	PC			
N4274F	2-6	PC			
N4274K	2-6	PC			

SECTION

6

TROUBLE SHOOTING AND VEHICLE SCHEMATICS

Contents

Trouble Shooting Guide	6-3
Hydrovac Pre-Installation Instructions	6-4
Bleeding Procedures.....	6-5
Installation Instructions: Bendix & Delco Hydraulic Units.....	6-6
Schematic: Hydrovac's and Firewall Booster's.....	6-7
Schematic: Hydraulic Units, Bendix and Delco.....	6-8
Schematic: Lucas Brake Systems	6-9
Schematic: Ford Hydraulic Brake System	6-10
Schematic: Navistar / GMC Hydraulic Brake System	6-11
Schematic: Pressure Converters	6-12
Push Rod Installation: Firewall Mounted Boosters	6-13

TROUBLE SHOOTING GUIDE

HARD BRAKE PEDAL

- Check for engine vacuum, make sure manifold is open and clear of carbon build up.
- Use a vacuum gauge to check the vacuum at the booster. Do not guess.
- Check vacuum hoses for soft spots, deterioration or collapse (replace hose if in doubt).
- Check air cleaner & hose (Unit must breath).
- Check brake pedal for binding
- Check the condition of the foundation brakes - drums, linings, brake shoes for binding.
- Check air in hydraulic system.
- Check for any line restrictions.

PEDAL KICKBACK

- Check for dirt or foreign matter in hydraulic system.
- Before replacing the booster, remove the master cylinder to clean out any dirt.
- Clean out the rest of the hydraulic system also.

BRAKE WILL NOT RELEASE

- Be sure a brake booster with residual check valve is not used with master cylinder with check valve.
- On remote mounted boosters, disconnect the line between the master cylinder and the brake booster.
- If the brakes release, the trouble is in the Master Cylinder (possible the brake pedal is binding).
- If brakes do not release, disconnect the line from the booster to the wheel cylinders.
- If the brakes release, the problem will be in the booster.
- If the brakes still do not release, the problem is in the foundation brakes.
- If the brakes will not release on firewall mounted brake booster, disconnect the hydraulic line to the wheels.
- If the brakes release, the problem is in the booster or master cylinder (be sure the brake pedal is not binding).

LOW BRAKE PEDAL

- Make sure master cylinder reservoir is full.
- Check for air in the hydraulic system.
- Make sure there are no leaks in the wheel cylinders, lines or fittings.
- Check the foundation brakes for proper adjustment, cracked or over-sized drums.

SPECIAL NOTES: Common Booster Failure Causes

Gas Engines: Gas is the cause of a large number of booster failures. If the vacuum hose does not have a vacuum check valve in the line, raw gas or gas fumes are drawn into the Hydrovac causing the diaphragm to rupture and fail. It could possibly cause an explosion. The vacuum hose should run from the manifold to the vacuum check valve mounted on the firewall above the carburetor, then down to the booster. If no firewall is available, such as on cab-over models, the vacuum hose should be routed so that it goes above the manifold and then down to the booster.

Propane and Butane Equipped Engines: A vacuum check valve should be used as close to the manifold as possible and as high on the fire wall as possible. This would prevent raw gas or fumes from getting to the Hydrovac or booster and prevent a possible explosion if the engine should backfire. A vacuum tank should be used between the engine and Hydrovac or booster when butane or propane gas is used to fuel the engine.

Diesel Engines: Diesel engines with vacuum pumps need a check valve in the vacuum line to prevent oil from being drawn into the booster when the engine is shut down. Oil will ruin the diaphragm causing the booster to fail.

HYDROVAC PRE-INSTALLATION INSTRUCTIONS

You have purchased a remanufactured unit. Give it a chance to do its job. Before installing you must perform the following maintenance to insure proper life and performance.

REBUILD OR REPLACE MASTER CYLINDER

- If this is not done, drain and flush master cylinder and hydraulic line of old fluid.
- Using hydraulic brake fluid only (do not use solvent for this operation).

DISCONNECT VACUUM HOSE

- from engine intake manifold and inspect hose for collapsed inner wall and fitting for carbon build up.
- This step is very important as it insures that the booster receives adequate supply of vacuum.
- Replace hose and clean fitting and manifold as needed.
- Test vacuum check valve by starting engine while manifold vacuum hose is connected to the check valve and the hose to booster is disconnected.
- Place vacuum gauge on booster side and shut engine off.
- Vacuum should remain for 30 seconds.
- Replace check valve if it fails this test with our CV-1 check valve kit or equivalent.
- Warranty requests will be refused if gas or oil is in unit (see trouble shooting guide).

AIR CLEANER

- Clean air cleaner by blowing out with compressed air or remove it and wash it with solvent.
- Dry completely before reinstalling.
- Inspect air cleaner hose for deterioration. Replace as necessary.
- The air cleaner causes more failures to the booster than any other single factor by letting dirt and water enter the unit.

INSTALL BOOSTER

- Connect all lines making sure all fittings are clean.
- Bleed hydraulic system using a pressure bleeder.
- Do not run engine while bleeding hydraulic system. (See "Bleeding Procedures")

START ENGINE

- Check brakes for proper operation.

BLEEDING INSTRUCTIONS- All Vacuum Units

It is recommended that all bleeding be performed with a pressure bleeder. If one is not available, use the following procedure.

FRAME MOUNTED: 2 LINE UNITS DO NOT RUN ENGINE WHILE PERFORMING BLEEDING OPERATIONS.

1. Fill the reservoir of the new, rebuilt or flushed out master cylinder with new, clean, heavy-duty brake fluid.
2. During bleeding check frequently to make certain that fluid in master cylinder reservoir maintains at least 1/2 inch of fluid. Failure to do so may require starting all over.
3. Loosen tube nut to pre-bleed master cylinder and slowly pump master cylinder until fluid runs clear. Re-tighten nut.
4. Bleed power unit as required. Pump pedal slowly to avoid creating air bubbles in fluid. Bleeder screws should be opened on the pressure stroke of the master cylinder and closed on the return stroke.
5. Continue around vehicle wheels until all bleeder screws run clear.
6. If you can pump the brake pedal and can build a higher pedal that is an indication that there is still air in the system and is usually in the rear wheel cylinders. You must bleed the system with the bleeders on the top (12:00 position). On Wagner systems, you must adjust your shoes all the way in (shoes collapsed) then bleed the cylinders. Then properly re-adjust your shoes back out. This will eliminate any air pocket and allow you to remove any air trapped in the wheel cylinders. If you are still having problems, call 1-800-325-2690 for assistance.
7. Refill master cylinder reservoir and slowly pump pedal with no bleeder's open. This allows master cylinder to evacuate any air bubbles that may remain in cylinder bore. Air will escape through compensating port in the reservoir bottom.
8. Start engine, pump pedal two or three times. Then allow time for fluid to return to the reservoir. If pedal is firm but has excessive stroke, adjust brakes at all wheels. If pedal is spongy, it still has air in the hydraulic system. See step 8.
9. Some vehicles may require "serge" bleeding. To accomplish this, have engine running at idle and make a firm pedal application. Open and close wheel cylinder bleeder screws very quickly. Do not let the pedal go clear to the floor. Repeat this step at each wheel. Remember to check brake fluid level in reservoir.
10. Proceed with road test.

FRAME MOUNTED: 3 LINE UNITS

1. Three line units, (with third line connected to master cylinder reservoir) can not be properly bled without a pressure bleeder.
2. Set bleeder pressure at 50 to 60psi. Be sure reservoir on master cylinder is filled above third line connection port.
3. Do not run engine while bleeding.

FIREWALL MOUNTED (Push through boosters) All makes.

1. The bleeding procedure is essentially the same except that the engine should be running at the very beginning and throughout the entire process if a pressure bleeder is not used.

INSTALLATION INSTRUCTIONS

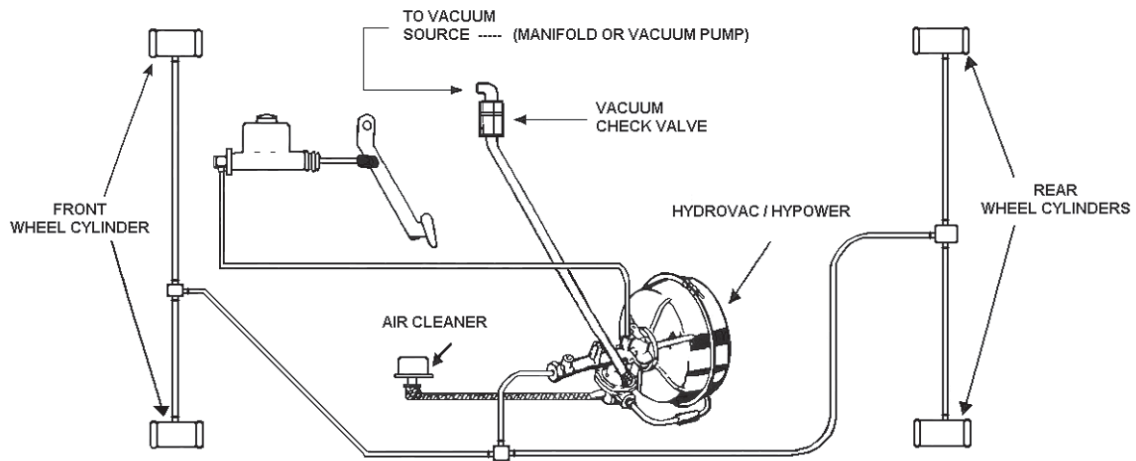
Bendix Hydroboost and Hydromax Delco Hypower and Dual Power

This procedure does not include instructions for bleeding the brake system. The Hydroboost, Hydro-max, Hypower and Dual Power hydraulic section use power steering fluid. The brake system uses hydraulic brake fluid. Do not mix the two systems.

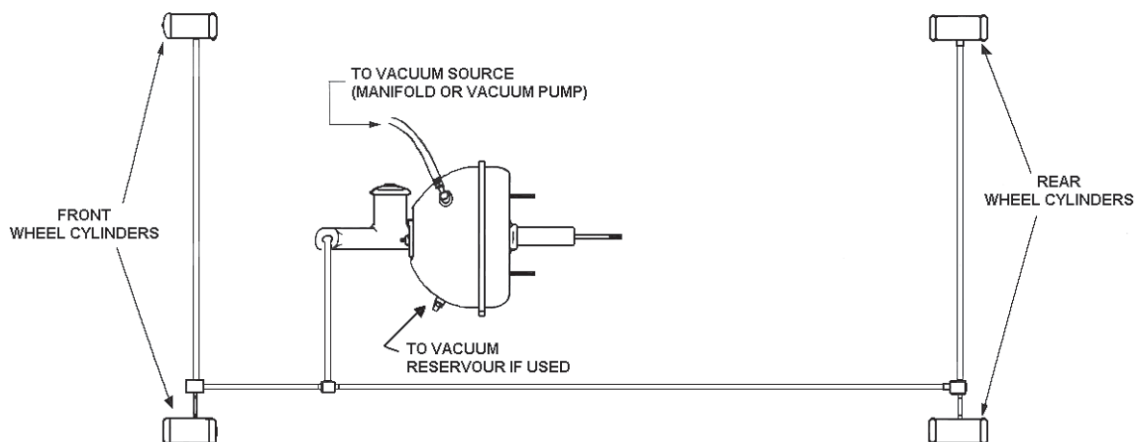
1. Fill power steering pump reservoir with power steering fluid.
2. Start engine and run for approximately two seconds. Check fluid level; add as required.
3. Repeat step 2 until fluid retains constant level.
4. Raise front of vehicle to clear tires. Run engine at 1000 to 1500rpm. Depress brake pedal several times. Turn steering right and left, lightly contacting wheel stops.
5. Turn engine off; recheck reservoir fluid level. Add if needed.
6. Lower vehicle and repeat steps 4 and 5.
7. If pedal is up and firm, road test vehicle.
8. If reservoir fluid is extremely foamy, let vehicle stand with engine off for one hour, then recheck.

SYSTEM SCHEMATICS

TYPICAL FRAME MOUNTED HYDROVAC INSTALLATION

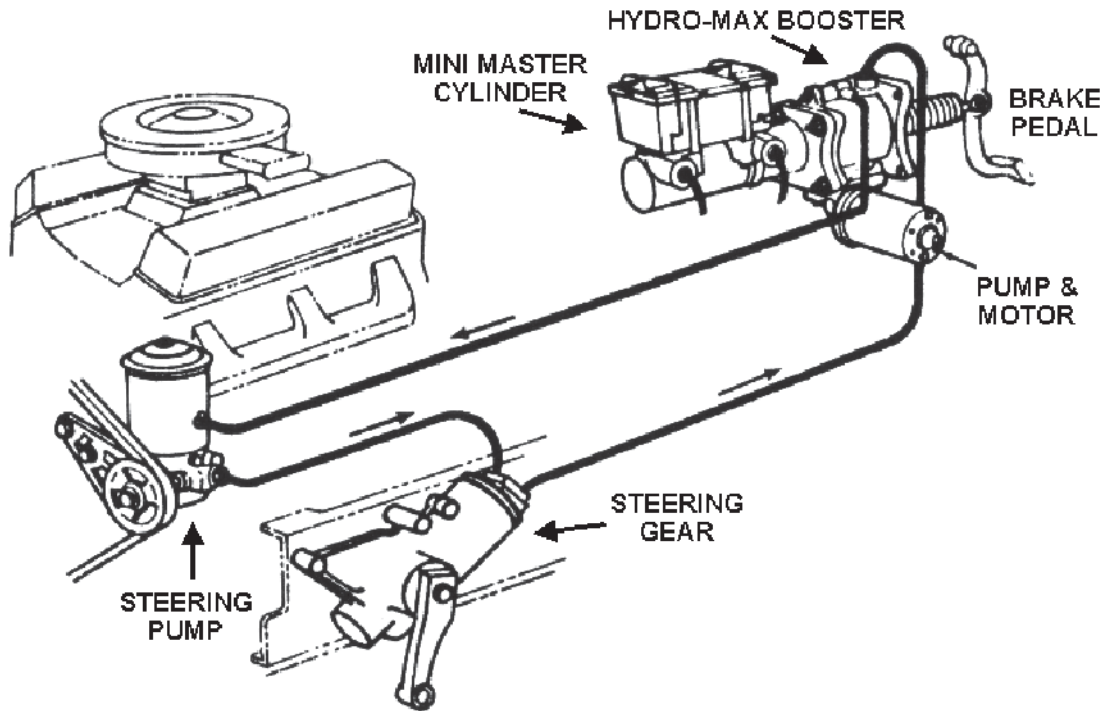


TYPICAL FRAME MOUNTED HYDROVAC INSTALLATION

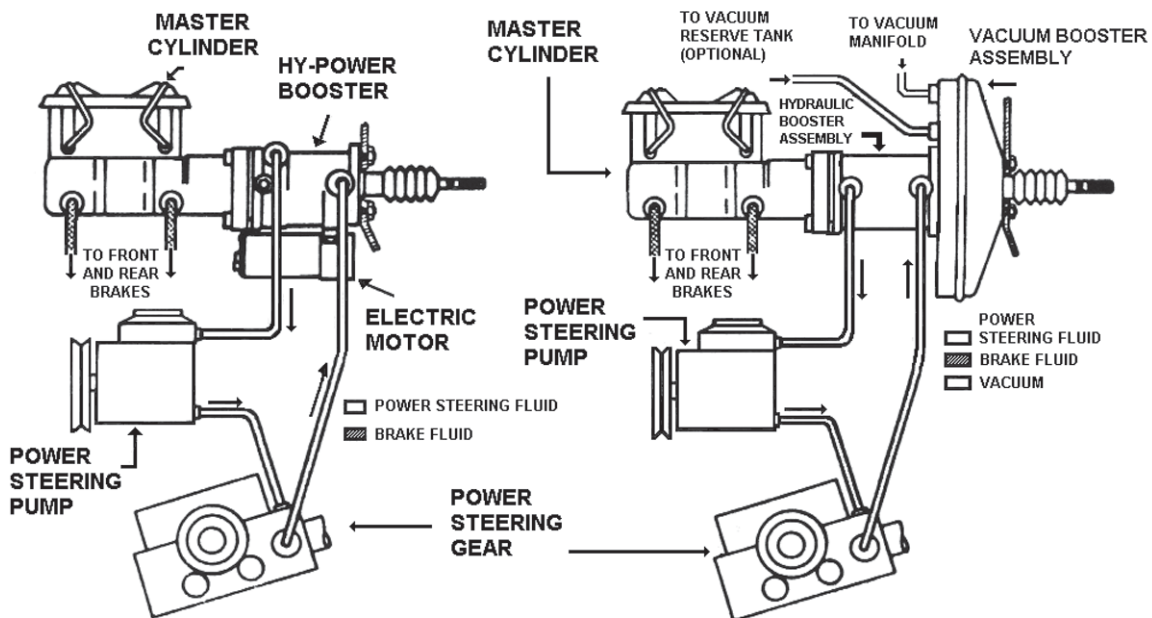


HYDRAULIC POWER UNITS- FIREWALL MOUNTED SCHEMATICS

Bendix: Typical Hydro-Max Booster Installation Diagram



Delco Moraine

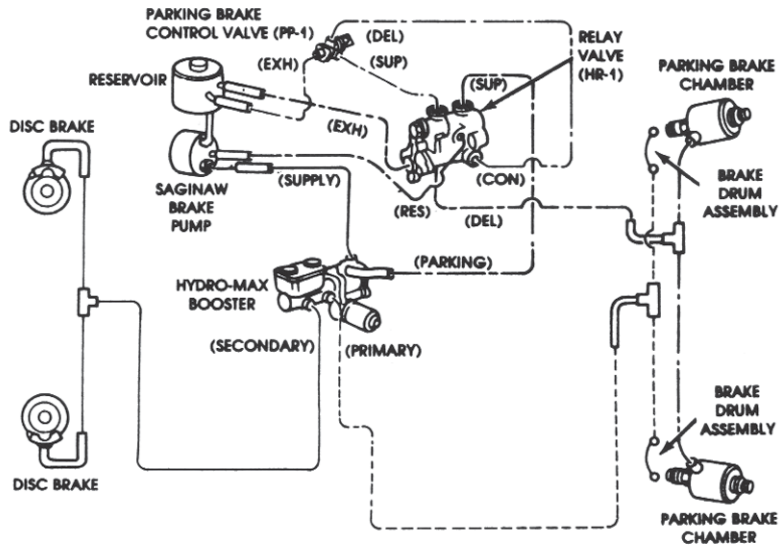


* Hy-power Brake System

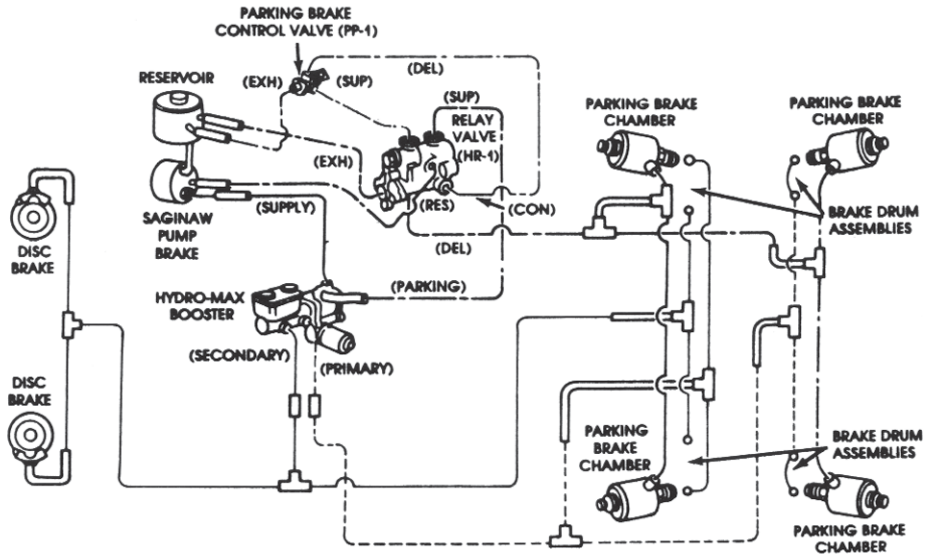
* Not to be confused with Midland Vacuum Hy-Power

Dual Power Brake System

LUCAS SYSTEM REFERENCE

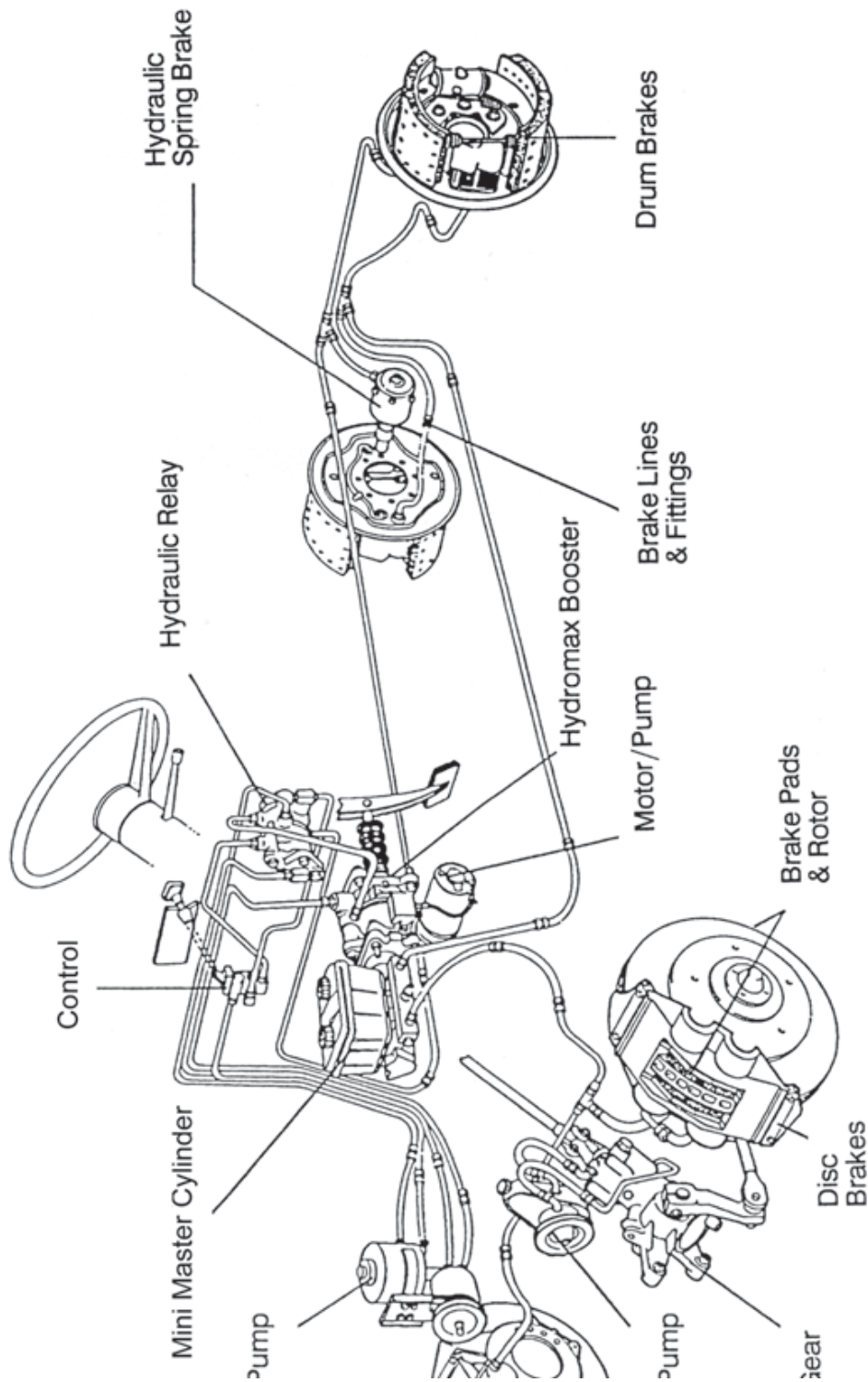


FORD MEDIUM TRUCK
TYPICAL HYDRAULIC BRAKE SCHEMATIC
(F-CAB, L & LN SERIES SHOWN)

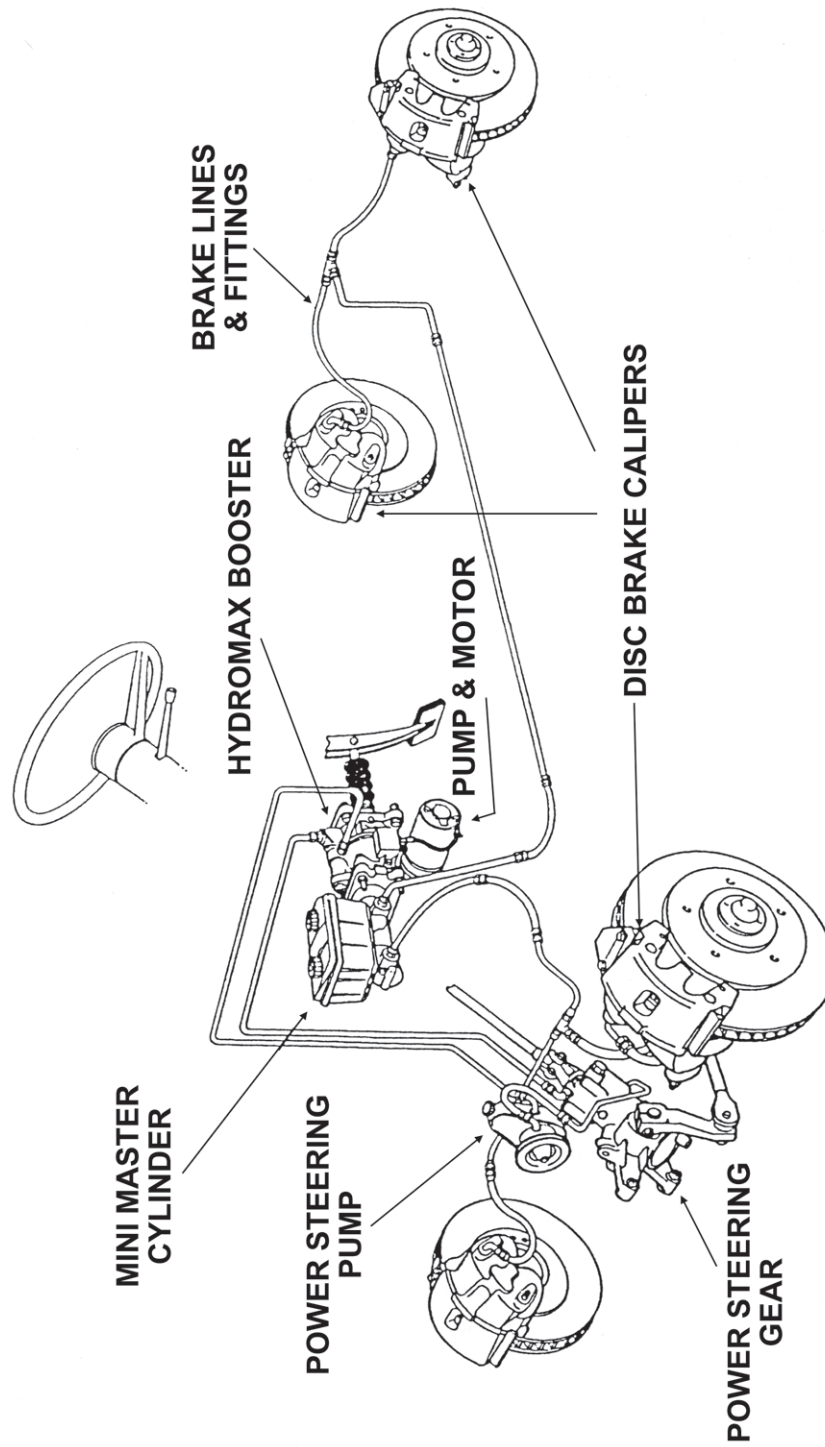


FORD MEDIUM TRUCK
TYPICAL HYDRAULIC BRAKE SCHEMATIC
(LT & LNT SERIES SHOWN)

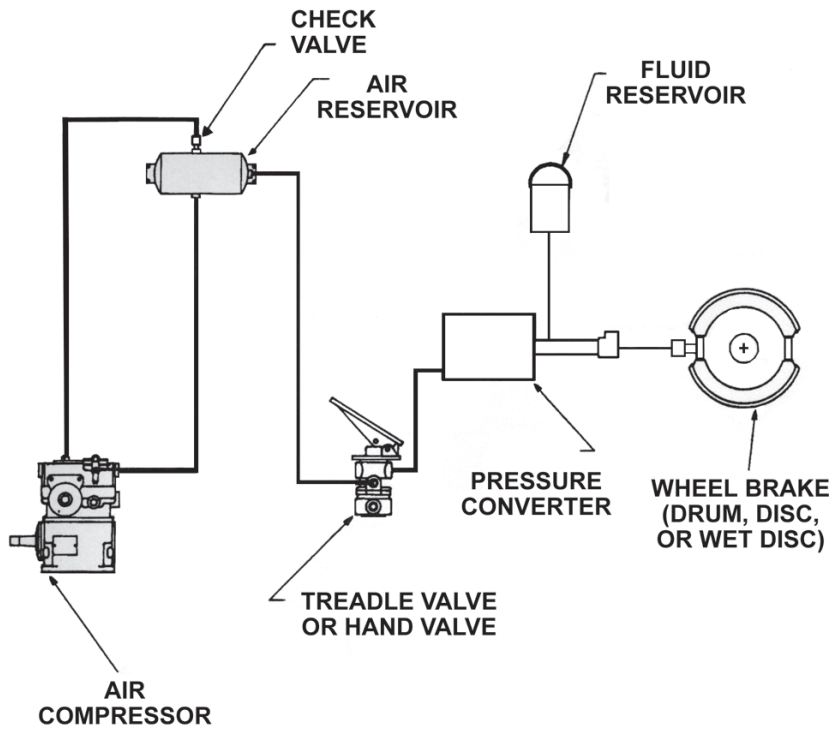
TYPICAL FORD HYDRAULIC BOOSTER BRAKE SYSTEM



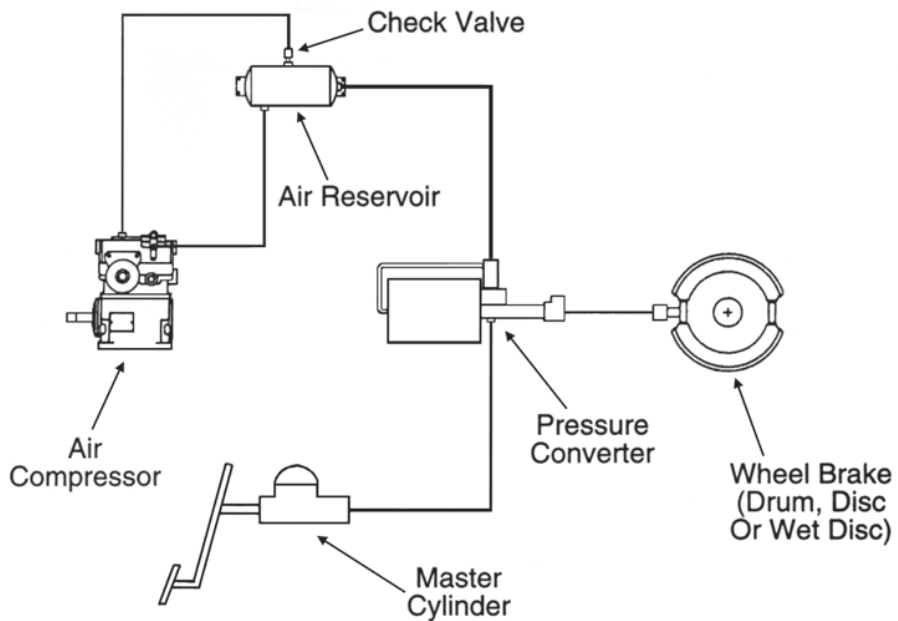
TYPICAL NAVISTAR OR GM HYDRAULIC BOOSTER BRAKE SYSTEM



MIDLAND PRESSURE CONVERTERS TYPICAL VEHICLE SYSTEM

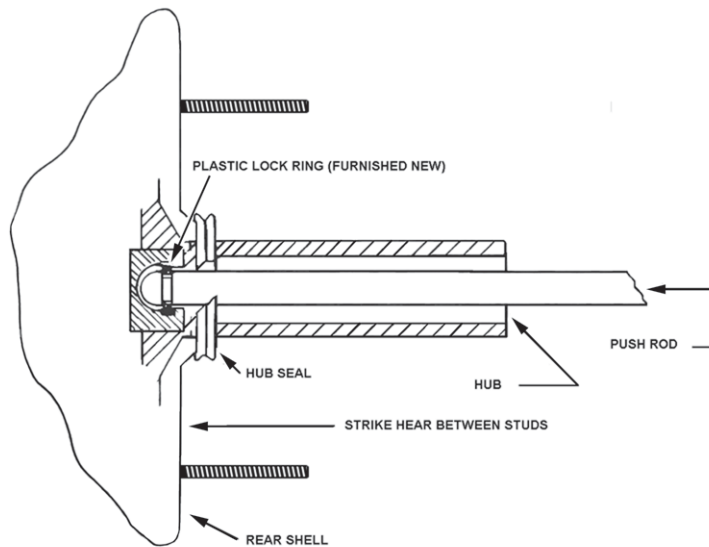


SERIES IV SYSTEM SCHEMATIC



REMOVAL AND INSTALLATION OF PUSH ROD FOR MIDLAND FIREWALL MOUNT BOOSTERS

ALL PUSH THRU BOOSTERS ARE FURNISHED WITHOUT PEDAL PUSH ROD

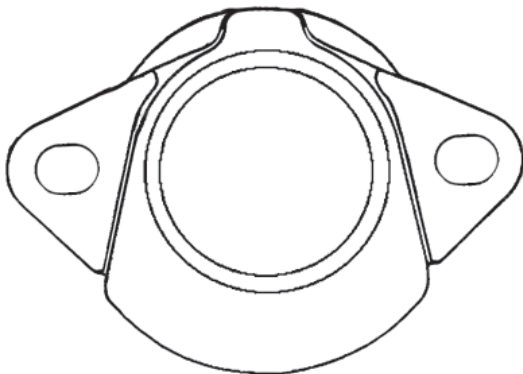


REMOVING PUSH ROD FROM OLD BOOSTER:

1. Hold push rod in vise using caution to not damage threads on rod if applicable. Support weight of booster at all times during this operation.
2. Using a soft faced hammer, strike rear shell near base of hub with a forceful blow while pulling unit away from vise. Use caution not to damage hub.

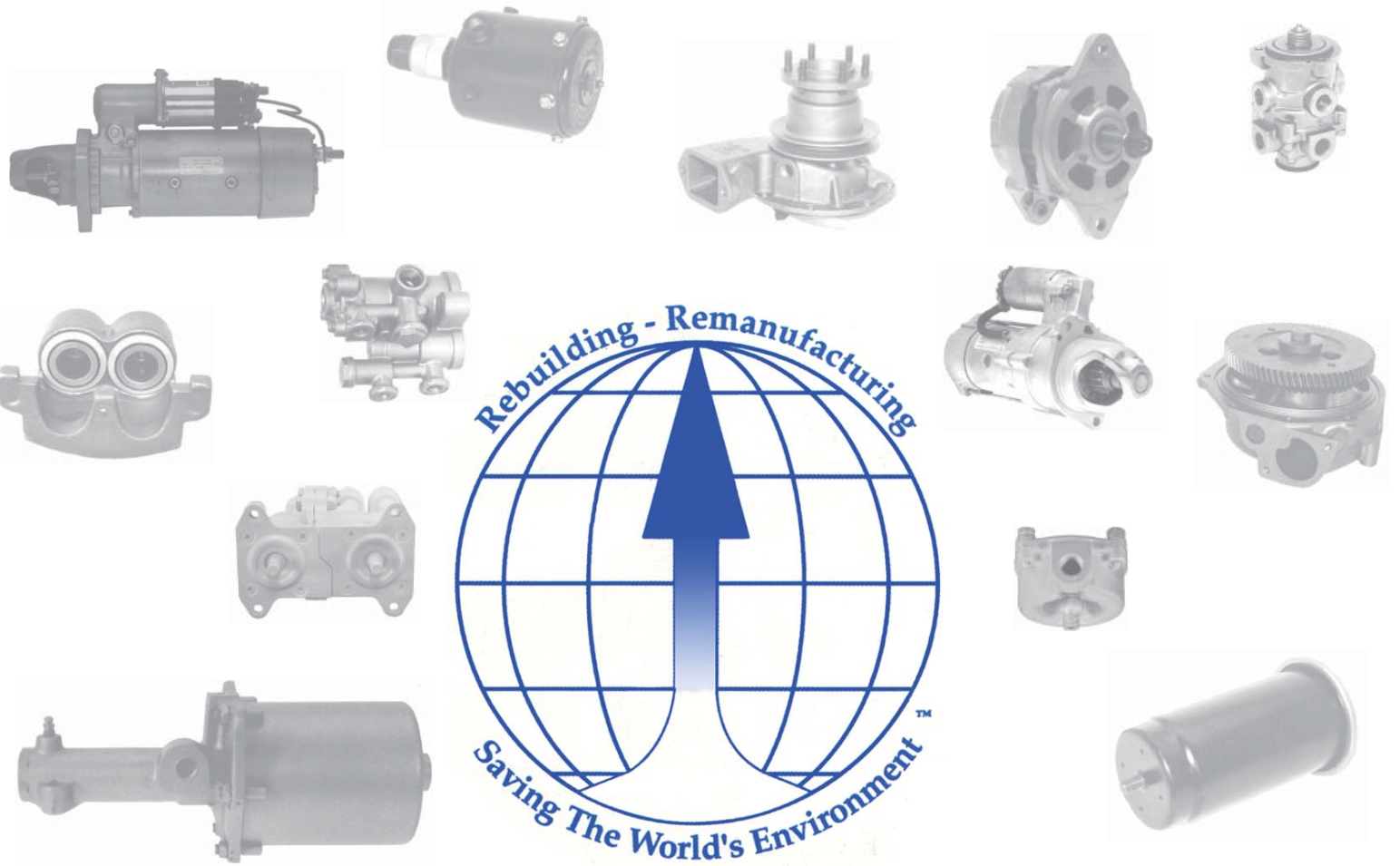
INSTALLING PUSH ROD IN REPLACEMENT UNIT:

1. Insert new plastic lock (furnished) into groove of push rod and push into hub.
2. Push and move rod side to side until lock catches in place. Do not use hammer to force rod down,

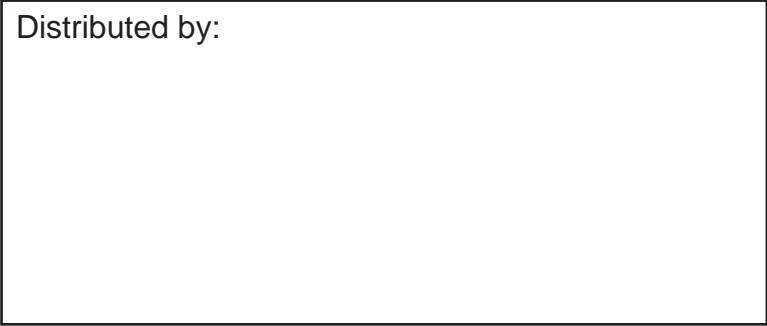


CAUTION!

Master cylinder spacer shown at left, used on C4028. C4030 and all C4200 and C4275 series boosters must be re-used from old unit. Failure to install spacer will cause brakes to not release properly and will damage rubber bellows inside the unit and will void the warranty.



Distributed by:



Toll Free: 1-800-325-2690
Missouri: 636-629-1444 Fax: 1-800-973-6260

350 North Commercial, St. Clair, MO 63077
Website: www.precisionrebuilders.com

