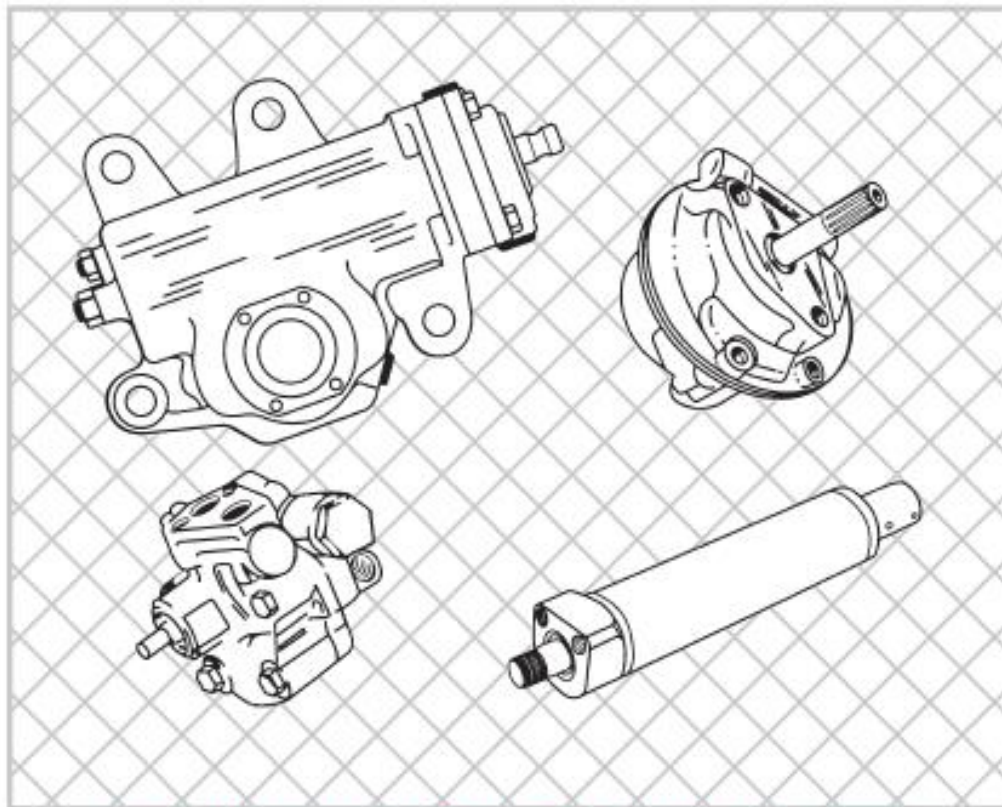




REMANUFACTURED POWER STEERING PRODUCTS



3961 MIRALOMA AVENUE • ANAHEIM, CA 92806
(714) 572-3656 • Fax (714) 572-0282
www.steeringcomp.com

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This enclosed information has been compiled from reliable sources and with utmost care. However, we do not assume responsibility for errors. The original manufacturer's terminology, dimensions, or part numbers are utilized so that the user of this information can select the correct replacement.

For additional information, please call your local distributor.

MEDIUM AND HEAVY DUTY SEAL KITS

Heavy Duty Gear Kits

TRW/Ross

K300N	Bendix 300
K4000	TAS 40 Major Kit
K4000A	TAS 40 Major Kit - Aftermarket
K500N	Bendix 500
K5200	HFB52 Major Kit
K5200A	HFB52 Major Kit - Aftermarket
K5201	HFB52 Input Shaft Kit
K5202	HFB52 Trunion Shaft Kit
K5203	HFB52 Side Cover Kit
K5400	HF54 Major Kit
K5400A	HF54 Major Kit - Aftermarket
K5401	HF54 Input Shaft Kit
K5402	HF54 Trunion Cover Kit
K5403	HF54 Side Cover Kit
K5500	TAS 55 Major Kit
K5500A	TRW Ross - Aftermarket
K6400	HF64 Major Kit
K6400A	TRW Ross - Aftermarket
K6401	HF64 Input Shaft Kit
K6402	HF64 Trunion Cover Kit
K6403	HF64 Side Cover
K6450	HFB64 Major Kit
K6450A	TRW Ross - Aftermarket
K6451	HFB64 Input Shaft Kit
K6452	HFB64 Trunion Cover Kit
K6453	HFB64 Side Cover Kit
K6500	TAS 65 Major Kit
K6500A	TRW Ross - Aftermarket
K6501	TAS Input Shaft Seal Kit
K6501A	TAS Input Seal Kit - Aftermarket
K7000	HFB70 Major Kit
K7000A	TRW Ross - Aftermarket
K7001	HFB70 Input Shaft Kit
K7002	HFB70 Trunion Cover Kit
K7003	HFB70 Side Cover
K8500	TAS 85 Major Kit

Saginaw

K781M	Saginaw Kit Dual 710 Metric/SAE
K781MA	Saginaw Kit - Aftermarket
K5690	Saginaw Kit
K5690A	Saginaw Kit - Aftermarket
K7800	Saginaw Kit
K7800A	Saginaw Kit - Aftermarket
K2898	Saginaw Bushing
K2899	Saginaw Bushing
K7801	Saginaw Input Kit
K7802	Saginaw Output Kit 710 Only

Sheppard

K2921	292 Input Shaft Kit
K3921	392 Input Shaft Kit
K4921	492 Input Shaft Kit
K5921	592 Input Shaft Kit
K2926	292 Series 5 & 6 Major Kit
K3926	392 Series 5 & 6 Major Kit
K3926A	392 Series 5 & 6 Major Kit -Aftermarket
K4926	492 Series 5 & 6 Major Kit
K2902	292 Bushing
K2903	392 Bushing 3 & 4
K2924	292 Series Major Kit-Aftermarket
K2924A	292 Series Major Kit
K3924	372,392 Series 3 & 4 Major Kit
K3924A	372,392 Series 3 & 4 Major Kit-Aftermarket
K492	492 Bushing
K4924	492 Series 3 & 4 Major Kit
K4924A	492 Series 3 & 4 Major Kit-Aftermarket
K592	592 Bushing
K5924	592 Series 3 & 4 Major Kit
K5924A	592 Series 3 & 4 Major Kit-Aftermarket
K5926	592 Series 6 Major Kit
KM80	M80 Old Style Major Kit
KM80N	M80 New Style Major Kit
KM80NA	M80 New Style Major Kit - Aftermarket
KM90	M90 Old Style Major Kit
KM90N	M90 New Style Major Kit
KM90NA	M90 New Style Major Kit - Aftermarket
KM100	M100 Old Style Major Kit
KM100IN	Input Kit
KM100N	M100 New Style Major Kit
KM100NA	M100 New Style Major Kit - Aftermarket
KM110	M110 Major Kit

Pump Kits

K3285	Saginaw Pump Kit
K3285A	Saginaw Pump Kit - Aftermarket
K3285R	Saginaw Reservoir Kit
K3307	Eaton B Kit
K3307A	Eaton B Kit - Aftermarket
K3307R	Eaton B Reservoir Kit
K3308	Eaton U Kit
K3308A	Eaton U Kit - Aftermarket
K3308R	Eaton U Reservoir Kit
K98574	Vickers V20 Bearing
KBB	Eaton BB Pump
KBBA	Eaton BB Pump - Aftermarket
KV10F	Vickers V10 Kit
KV10FA	Vickers V10 Kit - Aftermarket
KV20F	Vickers V20 Kit
KV20FA	Vickers V20 Kit - Aftermarket
KV20NF	Vickers V20N Kit

GENERAL INFORMATION

CORE POLICY

To qualify for full core credit

(This can be determined by an external physical inspection)

1. Cores must be like for like.
2. Cores must be rebuildable, assembled and complete.
3. Cores must not have cracked or broken housings.
4. Cores must not have broken shafts.
5. Cores must not have damaged Input or Output shafts.
(Cracked, damaged, twisted, welded or non-turnable shafts will result in **partial or no core credit**).

WARRANTY

All re-manufactured products by Steering Components, including products distributed by Steering Components are warranted to be free from defects of workmanship and material under normal use and service. Steering Components obligation under this warranty is limited, however, to replacement or repair of any part or parts which shall be proved to have been defective; provided that the purchaser gives Steering Components immediate written notice of such defect and promptly delivers such defective part to Steering Components at Anaheim, California, prepaid. Steering Components shall in no event be held liable for warranty charges by unauthorized persons and no allowance will be made for repairs or alterations, unless made with Steering Components written consent. This warranty does not apply to any parts which have been altered, nor to parts injured by reason of misuse, neglect, misapplication, hydraulic pump failure, accident or acts of God. This warranty shall be null and void and of no effect in any and every instance wherein said products shall be used or operated contrary to the instructions of Steering Components or shall be used or operated with fluid (oil), filter cartridges, gaskets, accessories, part or parts other than such as are either supplied or recommended by Steering Components. Any equipment, parts and accessories not remanufactured by Steering Components are not covered by this warranty, but are covered only by such warranty, if any, and conditions are prescribed by the manufacturers thereof. With respect to replacement service parts, or remanufacturer, the warranty shall last for 12 months or 100,000 miles, whichever comes first, from date of installation by an authorized person, but not more than one (1) year from the date of shipment of the replacement service parts by Steering Components. IT IS EXPRESSLY AGREED THAT THE ONLY LIABILITY OF STEERING COMPONENTS SHALL BE THE REPLACEMENT OR REPAIR OF DEFECTIVE PARTS, AS AFORESAID. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER LIABILITIES OR OBLIGATIONS EXPRESSED OR IMPLIED ON THE PART OF STEERING COMPONENTS NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR IT ANY OTHER LIABILITY ON CONNECTION WITH THE REMANUFACTURE OR SALE OF ITS PRODUCTS. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. THERE IS NO IMPLIED WARRANTY OF MERCHANTABILITY. STEERING COMPONENTS SHALL NOT BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

LIGHT-DUTY STEERING PUMPS

Chevrolet/GMC Truck

	Pump No.
Blazer, Jimmy, Tahoe and Yukon 2WD & 4WD	
1970-79 2wd & 4wd.....	22260X
1980-00 2wd & 4wd.....	22250X
Blazer and Pickup S-10 2WD & 4WD	
1982-85 4cyl 2.0L.....	22250X
1982-85 4cyl 1.9L.....	22250X
1982-87 6cyl 2.8L.....	22250X
1988-93 6cyl 2.8L.....	22250X
1988-93 6cyl 4.3L.....	22250X
1994-96 6cyl 4.3L.....	22250X
Pickup and Suburban 2WD C, 10-30,1500-3500 Series	
1969-74	22265X
1975-79	22260X
1980-00	22250X
Pickup and Suburban 4WD K, 10-30, 1500-3500	
1969-74.....	22265X
1975-79.....	22260X
1980-00.....	22250X
Passenger Van, Cargo G 10-3500 Series	
1971-74	22265X
1975-79	22260X
1980-00	22250X
1985-88 5.7L Engine code M	22200X
1985-86 5.0L Engine code H	22200X
1985-86 4.3L	22200X
Step Van and Motorhome 2WD P 10-3500 Series	
1975-79.....	22265X
1980-99	22250X
1993-99 w/ 4 wheel disc brakes.....	22255X



LIGHT-DUTY STEERING PUMPS

Dodge Trucks

	Pump No.
Sportsman Van 100-300 B Series	
1972-74	22265X
1975-79	22260X
1980-99	22250X
Mini Motorhome CB, MB Series	
1980-81	22250X
Ram Charger 100-300 D,W Series 2WD & 4WD	
1972-74	22265X
1975-79.....	22260X
1980-93	22250X
Motorhome M Series	
1972-74	22265X
1975-79	22260X
1980-83	22250X
R 1500-3500 Series 2WD & 4WD	
1994-00	22250X
1997-00 6cyl. Diesel	22230X



LIGHT-DUTY STEERING PUMPS

Ford Trucks

	Pump No.
Bronco	
1975	22055X
1976-77	22285X
1978-89	22125X
1990-96	22205X
Bronco II, Ranger	
1983-89.....Except Diesel	22125X
Econoline Van and Mini-Motorhome E100-350	
1975-79	22260X
1980-99	22250X
1990-99.....Diesel	22205X
F100-350 Series Pickup	
1967-77	22055X
1978-89	22125X
1990-96	22205X
1997 .....F250,F350.....	22205X



LIGHT-DUTY STEERING GEARS

Chevrolet/GMC Truck

Astro, Safari Mini Van 2WD & AWD	Gear No.
1985-89	55165X
1990-94 Awd.....	55260X
1990-94 2wd.....	55165X
1995 Awd ....(stamped AD).....	55265X
1995 Awd ....(stamped LA or MZ).....	55305X
1995 Awd ....(stamped SN).....	55260X
1995 2wd ....(stamped BZ, JD, MC).....	55320X
1995 2wd ....(stamped TB, WA).....	55165X
1996 Awd	55305X
1996 w/ride and handling suspension.....	55415X
1996 w/o ride and handling suspension.....	55325X
1997-98 Awd	55430X
1997-98 w/ride and handling suspension.....	55425X
1997-98 w/o ride and handling suspension.....	55420X
1999-00 Awd	55445X
1999 w/ride and handling suspension.....	55440X
1999 w/o ride and handling suspension.....	55435X
2000-01 2wd...(stamped BM).....	55435X
Blazer, Jimmy, Tahoe and Yukon 2WD & 4WD	
1970-76 2wd.....	55010X
1970-76 4wd.....	55015X
1977-79 2wd.....	55060X
1977-79 4wd.....	55065X
1980-84 2wd.....	55105X
1980-84 4wd	55115X
1985-91 All	55115X
1992-96 All	55190X
1997-00 All ...(stamped TS).....	55355X
2001	55460X
El Camino	
1964-76	33050X
1977.....	33015X
1978-79 ring retained side cover housing.....	33010X
1978-79 4 bolt side cover housing.....	33015X
1980-85 ring retained side cover housing.....	33035X
1980-85 4 bolt side cover housing	33030X
1986-88	33030X

LIGHT-DUTY STEERING GEARS

Express Van, Savanah Van, G 10-3500 Series	Gear No.
1971-76	55020X
1977-79	55070X
1980-82	55110X
1983-95	55125X
1996 G10,G20 up to 7300lb GVW.....	55365X
1996 G20 7700-8600 GVW.....	55370X
1996 G30	55125X
1996 G30 Express Van	55370X
1997-00 G10, G20 up to 7300lb GVW.....	55375X
1997-00 G20 7700-8600lb GVW.....	55370X
1997-01 G30.....	55370X

Pickup, Suburban, Yukon XL 2WD C, R 10,1500 Series	
1973-87 Manual Steering	44105X
1969-76	55010X
1977-79	55060X
1980-87	55105X
1988-91 R Series	55105X
1988-95 Sport Steering.....	55250X
1988-95 Std. Steering.....	55190X
1996.....	55190X
1997-99 Except Suburban W/Diesel.....	55355X
1997 Suburban 6.5L Diesel ....(stamped TS).....	55355X
1997-99 Suburban 6.5L Diesel.....(stamped XA).....	55405X
2000-01	55475X

Pickup, Suburban, Yukon XL 2WD C, R 20, 2500 and HD series	
1973-87 Manual Steering	44105X
1969-76.....	55010X
1977-79.....	55060X
1980-87.....	55105X
1988-91 R Series.....	55105X
1988-91 C Series 7200LB GVW.....	55190X
1988-91 C Series 8600LB GVW.....	55160X
1992-96 7200LB GVW.....	55190X
1992-96 8600LB GVW.....	55160X
1997-98 7200LB GVW.....	55355X
1997-98 8600LB GVW.....	55405X
1999.....7200LB GVW.(old body style).....	55355X
1999.....8600LB GVW (old body style).....	55405X
1999.....(new body style).....	55450X
2000.....(old body style).....	55405X
2000-01.....(new body style).....	55455X

LIGHT-DUTY STEERING GEARS

Pickup, Suburban, Yukon XL 2WD C, R 30, 3500, HD Series	Gear No.
1973-87 Manual Steering.....	44105X
1968-76.....	55010X
1977-79.....	55060X
1980-87.....	55105X
1988-91 C Series.....	55160X
1988-91 R Series.....	55105X
1992-96 9,000-12,000LB GVW.....	55160X
1992-97 15,000 LB GVW.....	55350X
1997-00 9,000-12,000 LB GVW.....	55405X
1998 15,000 LB GVW (stamped JW).....	55350X
1998 15,000 LB GVW (stamped ZA).....	55360X
1999-00 15,000 LB GVW.....	55360X
2001 .....(new body style).....	55455X

Pickup, Suburban, Yukon XL 4WD K, V 10, 1500 Series

1968-76	55015X
1977-79	55065X
1980-87	55115X
1988-91 K Series.....	55190X
1988-91 V Series.....	55115X
1992-96	55190X
1997-99 Except Suburban.....	55355X
1997-99 Suburban w/ 5.7L (old body style).....	55355X
1997 Suburban w/ 6.5L Diesel (stamped TS).....	55355X
1997-99 Suburban w/ 6.5L Diesel (stamped XA).....	55405X
1999-01 Suburban .....(new body style).....	55460X

Pickup, Suburban, Yukon XL 4WD K, V 20, 2500 Series

1968-76	55015X
1977-79	55065X
1980-87	55115X
1988-91 V2500.....	55115X
1988-91 K2500 7200Lb GVW.....	55190X
1988-91 K2500 8600Lb GVW.....	55160X
1992-96 ALL 7200Lb GVW.....	55190X
1992-96 ALL 8600Lb GVW.....	55160X
1997-98 ALL 7200Lb GVW.....	55355X
1997-98 ALL 8600Lb GVW.....	55405X

continued next page.....

LIGHT-DUTY STEERING GEARS

Pickup, Suburban, Yukon XL 4WD K, V 20, 2500... continued	Gear No.
1999..... (new body style).....	55450X
1999.....7200Lb GVW (old body style).....	55355X
1999.....8600Lb GVW (old body style).....	55405X
2000-01..... (new body style).....	55455X
2000.....(old body style).....	55405X

Pickup, Suburban, Yukon XL 4WD K, V 30, 3500, HD Series	
1969-76.....	55015X
1977-79.....	55065X
1980-87.....	55115X
1988-91 K3500.....	55160X
1988-91 V3500.....	55115X
1992-96.....	55160X
1997-00.....(old body style).....	55405X
2000-01.....(new body style).....	55455X

S10 Blazer and Pickup 2WD & 4WD

1982-84 Manual Gear.....	44180X
1985-93 Manual Gear.....	44120X
1982-93.....	55120X
1994..... Except Sport Pkg. ZQ8.....	55120X
1994..... Sport Pkg. ZQ8.....	55385X
1995-99 2WD.....	55390X
1995-99 4WD.....	55400X
1995-99 Pickup 2WD...with Sport Pkg. ZQ8.....	55395X
2000-01	55460X

Step Van and Motorhome P 10-3500 Series

1973-79 Except Motorhome.....	55090X
1980-91 Except Motorhome.....	55140X
1980-91 Motorhome.....	55220X
1992 .....Except Motorhome Gear (stamped PS).....	55380X
1992 .....Except Motorhome Gear (stamped TY).....	55140X
1992.....Motorhome w/single piston gear.....	55220X
1993 .....Except Motorhome.....	55380X
1993 .....Motor Home Model P32.....	55220X
1993 .....Motor Home Model P52.....	55380X
1994-99 Except Motorhome w/dual piston gear.....	55380X

LIGHT-DUTY STEERING GEARS

Dodge Trucks

Dakota 4WD	Gear No.
1986-96	55195X
1997-98	55120X
1999-00	55315X
Durango	
1998-99	55315X
Mini Motorhome CB, MB Series	
1980-81	55045X
Ram Charger 100-300 D,W Series 2wd & 4wd	
1972-77 ...Standard Rotation	55010X
1972-77 ...Reverse Rotation.....	55005X
1978-79 ...Standard Rotation Input Shaft w/25 splines.....	55060X
1978-79 ...Standard Rotation Input Shaft w/31 splines.....	55135X
1978-79 ...Reverse Rotation	55075X
1980-93 ...Standard Rotation.....	55145X

(See schematic for rotation ID)

Rotation Schematic



STANDARD ROTATION
Rotate old unit input shaft clockwise, output shaft will rotate clockwise



REVERSE ROTATION
Rotate old unit input shaft clockwise, output shaft will rotate counter-clockwise

Motorhome M Series

1972-79 55090X

R 1500-3500 Series 2wd & 4wd

1994-01 1500.....	55160X
1994-01 2500 w/7500lb GVW.....	55160X
1994-01 2500 w/8800lb GVW	55230X
1994-01 3500	55230X

Sportsman Van 100-300 B Series

1971-84.....	44045X
1971-93.....	55045X
1994-99.....	55240X

LIGHT-DUTY STEERING GEARS

Ford Trucks

Bronco	Gear No.
1972-77	55050X
1978-79	55035X
1980-97	55080X
Bronco II, Ranger	
1983-97	55080X
Econoline Van and Mini-Motorhome E100-350	
1975-79 w/13/16" Input Shaft.....	55030X
1977-79 w/3/4" Input Shaft	55130X
1980-up to 2/1982	55085X
3/1982 to 1995	55080X
1992-95 350 w-7.3L Diesel or 7.5L Gas.....	55225X
1996 under 4200 lb. Front Axle Weight.....	55080X
1996 over 4200 lb. Front Axle Weight	55225X
1997-99 under 4200 lb. Front Axle Weight.....	55285X
1997-3/99 over 4200 lb. Front Axle Weight.....	55290X
3/99-01.....	55480X
Econoline E450 Super Duty	
1997- 3/99	55290X
3/1999-01	55480X
Excursion	
1999- 01	55480X
Expedition	
1997-01	55295X
Explorer	
1991-94	55080X
F100-350 Series 2WD	
1966-79 Manual Gear.....	44025X
1966-69 Bendix Gear.....	55155X
1968-69 Ford Gear	55025X
1970-79	55025X
1980-96	55080X
1997-00 F150.....	55300X
1997- 3/99 F250-350	55290X
3/1999 -01 F250-350.....	55480X

LIGHT-DUTY STEERING GEARS

F100-350 Series 4WD	Gear No.
1976-79 F-150	55035X
1976-79 F-250,350	55040X
1980-96	55080X
1997-00 F-150.....	55300X
1997-3/99 F-250,350	55290X
3/1999-01 F250-350.....	55480X

F450 SUPER DUTY	
1988-97	55080X
1998-3/99.....	55290X
3/99-01 F450-550.....	55480X

International Trucks

Metro Parcel Delivery

1972-79 ...standard rotation.....	55010X
1972-79 ...reverse rotation.....	55005X

Travelall, Travelette

1969-75 ...standard rotation.....	55010X
1969-75 ...reverse rotation.....	55005X

Scout II, Terra, Traveller

1972-75 ...casting #7813031.....	55055X
1976-79 ...w/ 3/4" Input Shaft	55150X
1976-79 ...w/13/16 Input Shaft.....	55055X
1980	55255X

Jeep

Cherokee, Comanche, Wagoneer

1971-76.....	33050X
1977-79.....	55095X
1980-83.....	55180X
1984-99	55120X
2000-01	55470X

CJ Series, Dispatcher, Jeepster, Commando, Renegade, Scrambler

1972-86 Manual Gear.....	44170X
1972-79	55175X
1980-86	55170X

LIGHT-DUTY STEERING GEARS

Gladiator, Grand Wagoneer, J-10, J-20 Truck	Gear No.
1971-74	33050X
1975-76 ...exc J-20.....	33050X
1975-76 ...J-20.....	33025X
1977-79 ...exc J-20.....	55095X
1977-79 ...J-20.....	33020X
1980-91 ...exc J-20.....	55180X
1980-91 ...J-20.....	55185X

Grand Cherokee	
1993-99	55120X
1999-01	55470X

Wrangler	
1987-96 Manual Gear.....	44180X
1987-96.....	55180X
1997-01.....	55120X

Lincoln

Navigator	
1998-01	55295X



Oldsmobile

Bravada	
1991-94	55120X
1995-99 2wd.....	55390X
1995-99 4wd.....	55400X

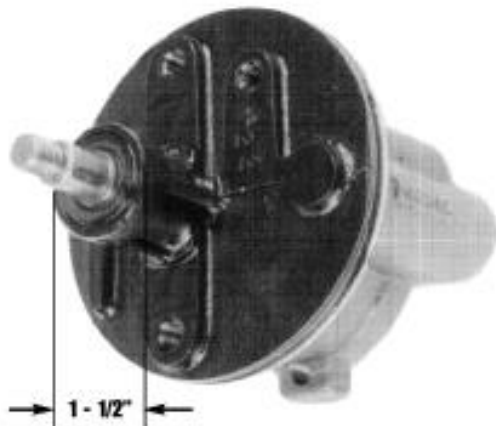
Plymouth

Trailduster Vista	
1974-77 standard rotation.....	55010X
1974-77 reverse rotation.....	55005X
1978-79 standard rotation 25 spline input.....	55060X
1978-79 standard rotation 31 spline input.....	55135X
1978-79 reverse rotation.....	55075X
1980-83	55145X
(see schematic for rotation ID)	

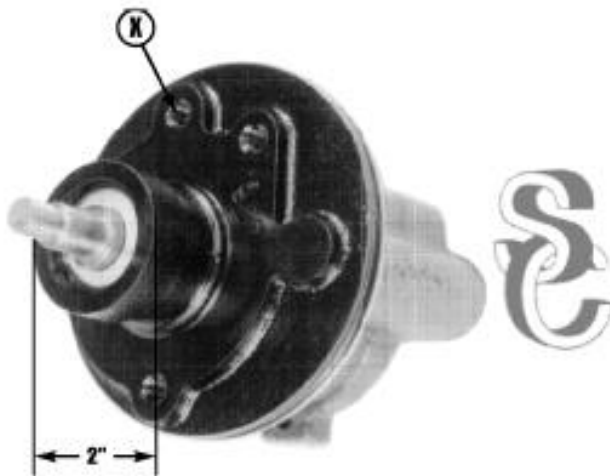
Voyager PB100-300 Vans	
1974-83 Manual Gear.....	44045X
1974-83.....	55045X

Medium and heavy duty

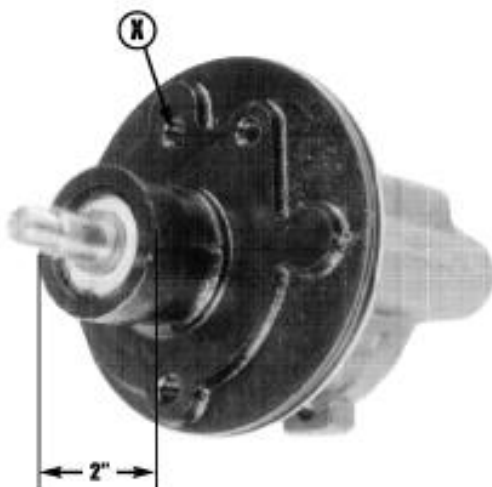
SAGINAW PUMPS



3300X
CHEV / GMC
DIAMETER OF BUSHING
HOUSING 1-1/2"

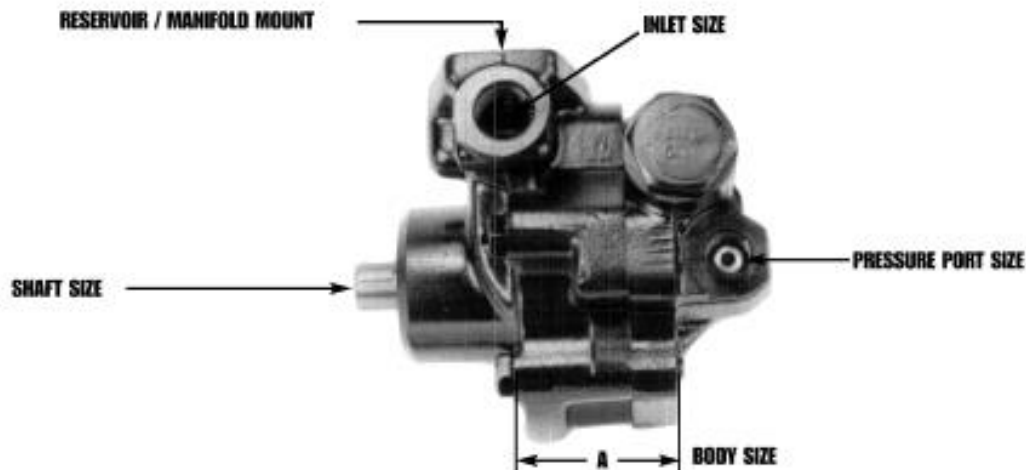


3305X
CHEV / GMC
DIAMETER OF BEARING
HOUSING 2"
MOUNTING HOLE 1/2" FROM
OUTER DIAMETER
(SEE X)



3310X
CHEV / GMC
DIAMETER OF BEARING
HOUSING 2"
MOUNTING HOLE 1" FROM
OUTER DIAMETER
(SEE X)

Medium and heavy duty
EATON U MODEL PUMPS



INFORMATION NEEDED

SHAFT SIZE
 PRESSURE PORT SIZE
 INLET SIZE
 BODY SIZE (MEASUREMENT A)

- 4. SHAFT SIZE**
 a. DOUBLE PULLEY 7/8"
 b. SINGLE PULLEY 9/16"
- 3. PRESSURE PORT**
 a. 5/8" INVERTED FLARE
 b. 3/4" - 16 O-RING
- 2. INLET SIZE**
 a. NO INLET
 b. 5/8" - 18
 c. 3/4" - 16 O RING
 d. 1/4" NPT
- 1. BODY SIZE (MEASUREMENT A)**
 a. SMALL ROTOR 1-7/8"
 b. LARGE ROTOR 2-1/8"

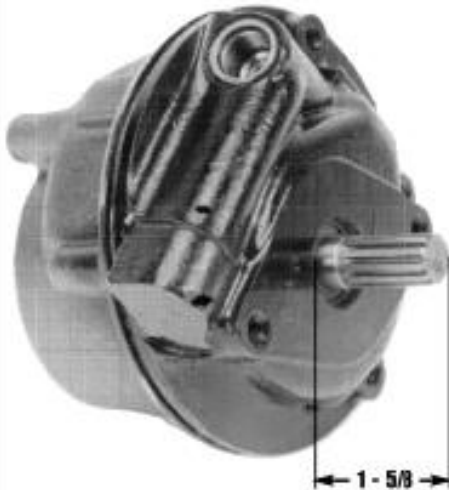
	4.	3.	2.	1.
3315X	= single pulley	5/8 inverted flare	no inlet	small rotor
3316X	= single pulley	5/8 inverted flare	no inlet	large rotor
3320X	= double pulley	5/8 inverted flare	no inlet	small rotor
3321X	= double pulley	5/8 inverted flare	no inlet	large rotor
3322X	= double pulley	5/8 inverted flare	5/8 inlet	small rotor
3325X	= single pulley	5/8 inverted flare	5/8 inlet	small rotor
3326X	= single pulley	5/8 inverted flare	5/8 inlet	small rotor
3330X	= double pulley	5/8 inverted flare	3/4inlet	small rotor
3331X	= double pulley	5/8 inverted flare	3/4inlet	large rotor
3334X	= single pulley	3/4-16 o-ring	no inlet	small rotor
3335X	= single pulley	3/4-16 o-ring	no inlet	large rotor
3336X	= double pulley	3/4-16 o-ring	no inlet	large rotor

Medium and heavy duty
EATON B MODEL PUMPS



3340X / 3345X
FORD / NAVISTAR / VOLVO

3340X FRONT AXLE WEIGHT TO 14,000
3345X FRONT AXLE WEIGHT OVER 14,000
REAR MOUNTED RESERVIOR
PULLEY DRIVEN / SHAFT LENGTH 1 INCH



3350X / 3355X
FORD / MACK

3350X FRONT AXLE WEIGHT TO 14,000
3355X FRONT AXLE WEIGHT OVER 14,000
REAR MOUNTED RESERVIOR
SPLINED SHAFT / SHAFT LENGTH 1 5/8 INCH

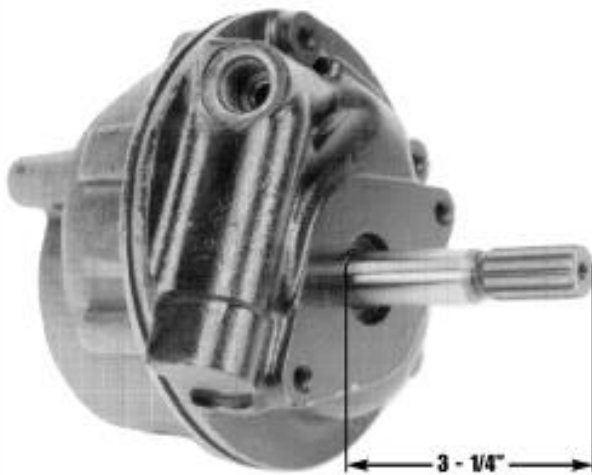


3360X / 3360RX / 3365X / 3365RX
FORD / NAVISTAR

3360X / 3360RX FRONT AXLE WEIGHT TO 14,000
3365X / 3365RX FRONT AXLE WEIGHT OVER 14,000
REAR MOUNTED RESERVIOR
SPLINED SHAFT
SHAFT LENGTH 2 1/2 INCH
R = COUNTERCLOCKWISE ROTATION

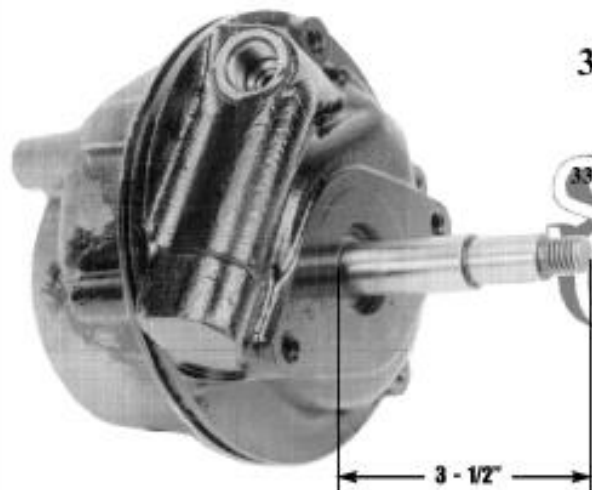
(PUMPS MOUNTED ON CATERPILLAR ENGINES
ARE USUALLY COUNTERCLOCKWISE ROTATION)

Medium and heavy duty
EATON B MODEL PUMPS



3370X / 3375X
FORD / NAVISTAR
WHITE / AUTOCAR

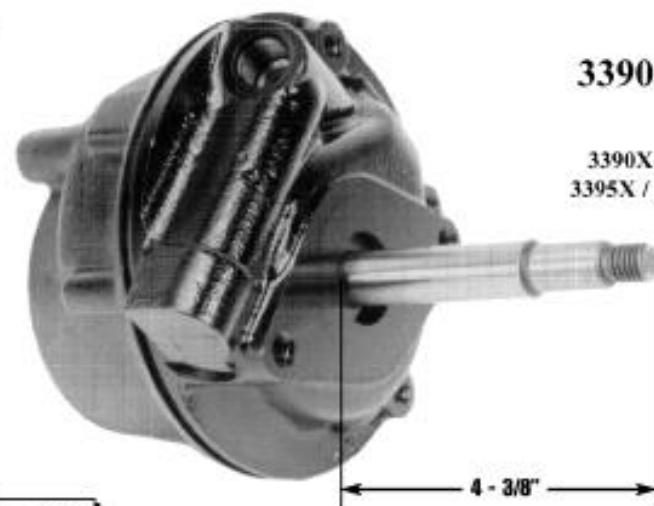
3370X FRONT AXLE WEIGHT TO 14,000
3375X FRONT AXLE WEIGHT OVER 14,000
REAR MOUNTED RESERVIOR
SPLINED SHAFT / SHAFT LENGTH 3 1/4 INCHES



3380X / 3380RX / 3385X / 3385RX
FORD / NAVISTAR

3380X / 3380RX FRONT AXLE WEIGHT TO 14,000
3385X / 3385RX FRONT AXLE WEIGHT OVER 14,000
REAR MOUNTED RESERVIOR
KEYED / NUT RETAINED SHAFT
SHAFT LENGTH 3 1/2 INCHES
R - COUNTERCLOCKWISE ROTATION

(PUMPS MOUNTED ON THE DRIVERS SIDE
OF DETROIT ENGINES ARE USUALLY
COUNTERCLOCKWISE ROTATION)

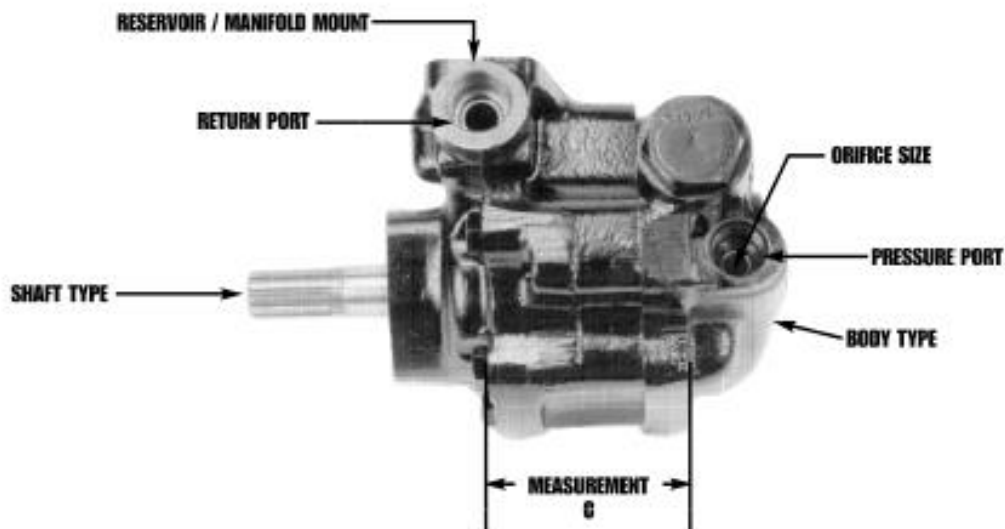


3390X / 3390RX / 3395X / 3395RX
FORD / NAVISTAR

3390X / 3390RX FRONT AXLE WEIGHT TO 14,000
3395X / 3395RX FRONT AXLE WEIGHT OVER 14,000
REAR MOUNTED RESERVIOR
KEYED / NUT RETAINED SHAFT
SHAFT LENGTH 4 3/8 INCHES
R - COUNTERCLOCKWISE ROTATION

(PUMPS MOUNTED ON THE DRIVERS SIDE
OF DETROIT ENGINES ARE USUALLY
COUNTERCLOCKWISE ROTATION)

Medium and heavy duty
EATON BB MODEL PUMPS



EATON HOBOURN BB
 CODE BREAKDOWN

BB - L E 3 U A B X

EATON MODEL

BODY TYPE

R
 L
 G - SPECIAL G/M BODY

ROTATION

CW
 CCW
 CW

ORIFICE SIZE

1 - 9/64 = 3.5 GPM
 2 - 5/32 = 4.5 GPM
 3 - 3/16 = 5.5 GPM
 4 - 13/64 = 6.5 GPM
 5 - 7/32 = 7.5 GPM

RETURN PORT

OMITTED = NO RETURN PORT
 B = RETURN PORT

PRESSURE PORT

OMITTED = STANDARD
 3/4-16 PORT
 A = TUBE O-RING PORT

SHAFT TYPE

A - BOLT AND KEY, PULLEY DRIVEN, SMALL ROTOR
 B - BOLT AND KEY, PULLEY DRIVEN, LARGE ROTOR
 D - NUT AND KEY, DETROIT DIESEL, LARGE ROTOR
 E - 11 TOOTH SPLINE, CUMMINS, CAT, LARGE ROTOR
 F - 11 TOOTH SPLINE, CUMMINS, CAT, SMALL ROTOR
 G - BOLT AND KEY, DETROIT DIESEL, SMALL ROTOR
 H - NUT AND KEY, DETROIT DIESEL, SMALL ROTOR
 J - BOLT AND KEY, FORD DIESEL, SMALL ROTOR
 K - BOLT AND KEY, FORD DIESEL, LARGE ROTOR
 L - BOLT AND KEY, DETROIT DIESEL, LARGE ROTOR

*SMALL ROTOR - 2-1/4 INCH, MEASUREMENT C
 LARGE ROTOR - 2-3/4 INCH, MEASUREMENT C*

PRESSURE SETTINGS PSI

A - 750 PSI	N - 1800 PSI
B - 900 PSI	P - 1850 PSI
C - 1100 PSI	Q - 1900 PSI
D - 1200 PSI	R - 1950 PSI
E - 1300 PSI	S - 2000 PSI
F - 1300 PSI	T - 2050 PSI
G - 1400 PSI	U - 2100 PSI
H - 1500 PSI	V - 2150 PSI
J - 1600 PSI	W - 2200 PSI
K - 1650 PSI	X - 2300 PSI
L - 1700 PSI	Y - 2350 PSI
M - 1750 PSI	Z - 2400 PSI

Medium and heavy duty
VICKERS V10 STEERING PUMPS



VICKERS V10 CODE BREAKDOWN

V 10 F 1 P 6 P 38 C 6 G 20 L

V VANE PUMP

10 SERIES 10

F COVER
 F-FLOW CONTROL COVER
 NF-FLOW CONTROL COVER
 OMITTED-STANDARD COVER

1 MOUNTING
 1-2 BOLT FLANGE (SAE A SIZE)
 2-FOOT BRACKET AT 12 O'CLOCK (VIEWED FROM THE SHAFT END)
 23-FOOT BRACKET AT 3 O'CLOCK
 26-FOOT BRACKET AT 6 O'CLOCK
 29-FOOT BRACKET AT 9 O'CLOCK

P INLET PORT CONNECTIONS
 F-1.156 DIS. PORT
 H-1 IN. O.D. TUBE CONNECTOR
 K-1 5/16-12 UN 2B THD.
 P-1 INCH NPT
 S-1 5/16-12 STRAIGHT THREAD
 T-1 3/16-12 STRAIGHT THREAD

6 RING CAPACITY 1200 RPM -100PSI
 V10
 1 - 1 USGPM 5 - 5 USGPM
 2 - 2 USGPM 6 - 6 USGPM
 3 - 3 USGPM 7 - 7 USGPM
 4 - 4 USGPM

P OUTLETPORT CONNECTIONS
 FLOW CONTROL COVER
 PRESSURE TANK

CODE	STANDARD COVER	PRESSURE	TANK
K	—	—	—
P	1/2 NPT THD	3/4-16 STD THD	1/2 NPT THD
S	3/4-16 NPT THD	—	—
T	—	3/4-16 STD THD	3/4-16 STD THD

38 SHAFTS
 1- STRAIGHT-KEYED
 3 - THREADED
 4 - THREADED
 6 - STR. STUB - KEYED
 11 - SPLINED 9 TOOTH
 12 - SPLINED 13 TOOTH
 20 - THREADED - KEYED
 38 - SPLINED - 11 TOOTH

C FOR LEFT HAND ROTATION VIEWED FROM SHAFT END

6 SPECIAL FEATURE SUFFIX

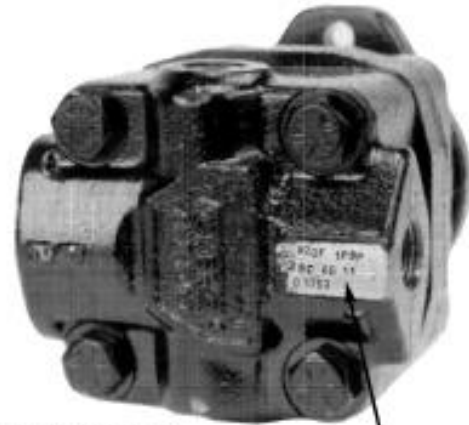
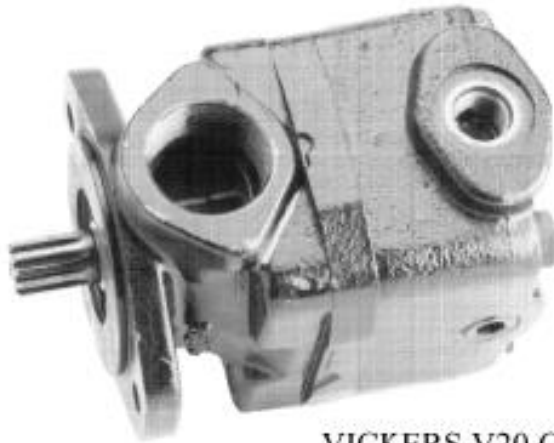
G DESIGN AND MODIFICATION
 V10 - 10 V10 (F)

20 PRESSURE SETTINGS
 A - 250 PSI F - 1500 PSI
 B - 500 PSI G - 1750 PSI
 C - 750 PSI H - 2000 PSI
 D - 1000 PSI J - 2250 PSI
 E - 1250 PSI K - 2500 PSI

L FLOW RATE THROUGH ORIFICE IN COVER
 2 - 2 GPM
 3 - 3 GPM (V10F ONLY)
 4 - 4 GPM
 5 - 5 GPM (V10F ONLY)
 6 - 6 GPM
 7 - 7 GPM (V10F ONLY)

PRESSURE PORT POSITIONS VIEWED FROM COVER END
 A - OPPOSITE INLET CONNECTION
 B - 90 COUNTERCLOCKWISE FROM INLET CONNECTION
 C - INLINE WITH INLET
 D - 90 CLOCKWISE FROM INLET CONNECTION

Medium and heavy duty
VICKERS V20 STEERING PUMPS



STAMP #

VICKERS V20 CODE BREAKDOWN

V 20 F 1 P 9 P 38 C 6 H 11 L

VANE PUMP

SERIES 20

COVER

F- FLOW CONTROL COVER
 NF-FLOW CONTROL COVER
 OMITTED-STANDARD COVER
 P-PRIORITY COVER

MOUNTING

1-2 BOLT FLANGE (SAE A SIZE)
 2-FOOT BRACKET AT 12 O'CLOCK
 (VIEWED FROM THE SHAFT END)
 23-FOOT BRACKET AT 3 O'CLOCK
 26-FOOT BRACKET AT 6 O'CLOCK
 29-FOOT BRACKET AT 9 O'CLOCK

INLET PORT CONNECTIONS

E-1.5 DIA. - 2 BOLT FLANGE
 F-1.156 DIA. - 2 BOLT FLANGE
 P-1.25 N.P.T.F.
 R-1 INCH NPTF
 S-1.625 - 12 UN2B THREAD
 T-1.875 - 12 STRAIGHT THREAD

RING CAPACITY 1200 RPM -100PSI

V20

6 - 6 USGPM	11 - 11 USGPM
7 - 7 USGPM	12 - 12 USGPM
8 - 8 USGPM	13 - 13 USGPM
9 - 9 USGPM	

FOR LEFT HAND ROTATION
 VIEWED FROM SHAFT END

SPECIAL FEATURE SUFFIX

DESIGN AND MODIFICATION

V20, V20F - 11 DESIGN
 V20P - 12 DESIGN
 V20NF - 20 DESIGN

PRESSURE SETTINGS

A - 250 PSI	F - 1500 PSI
B - 500 PSI	G - 1750 PSI
C - 750 PSI	H - 2000 PSI
D - 1000 PSI	J - 2250 PSI
E - 1250 PSI	K - 2500 PSI

FLOW RATE THROUGH
 ORIFICE IN COVER

2 - 2 GPM
 3 - 3 GPM
 4 - 4 GPM
 6 - 6 GPM
 7 - 7 GPM
 8 - 8 GPM

PRESSURE PORT POSITIONS

VIEWED FROM COVER END
 A - OPPOSITE INLET CONNECTION
 B - 90 COUNTERCLOCKWISE
 FROM INLET CONNECTION
 C - INLINE WITH INLET
 D - 90 CLOCKWISE FROM INLET
 CONNECTION

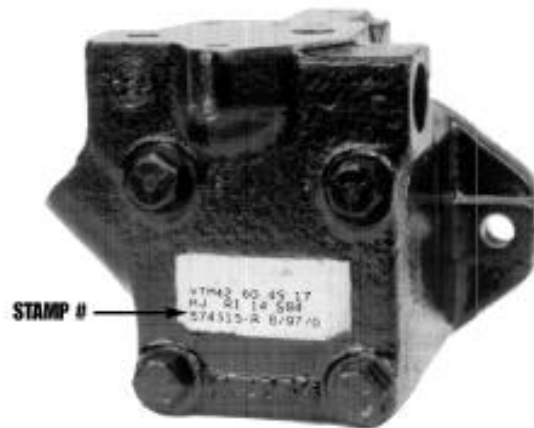
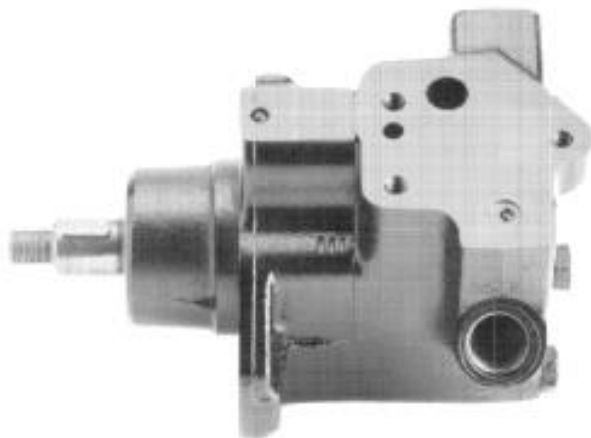


CODE	STANDARD COVER	FLOW CONTROL COVER PRESSURE	COVER TANK	OUTLET PORT CONNECTIONS		
				PRIORITY	VALVE COVER	SECONDARY TANK
F	.687 DIA.					
P	.750 NPT THD	.750-16 STD THD	.500 NPT THD			
S	1.062 -12	.750-16	1.062-12			
T		.750-16 STD THD	.750-16 STD THD	.750-16 STD THD	.875-14 STD THD	.750-16 STD THD

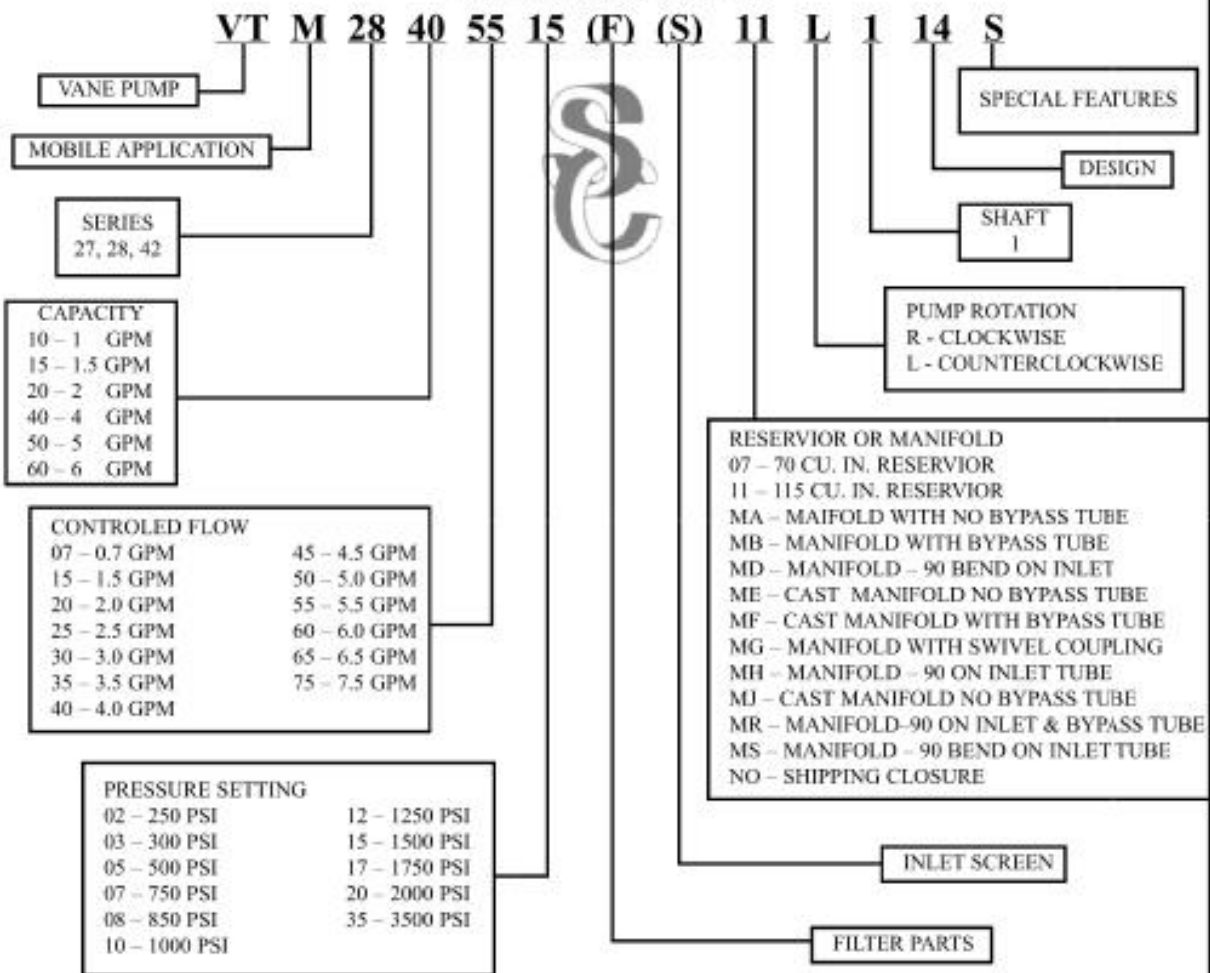
SHAFTS

1- STRAIGHT-KEYED
 3 - THREADED
 4 - THREADED
 6 - STR. STUB - KEYED
 11 - SPLINED 9 TOOTH
 12 - SPLINED 13 TOOTH
 20 - THREADED - KEYED
 38 - SPLINED - 11 TOOTH

Medium and heavy duty
VICKERS VTM POWER STEERING PUMPS



VICKERS VTM 27, 28 AND 42
 CODE BREAKDOWN



Medium and heavy duty
PARKER HANNIFIN STEERING PUMPS

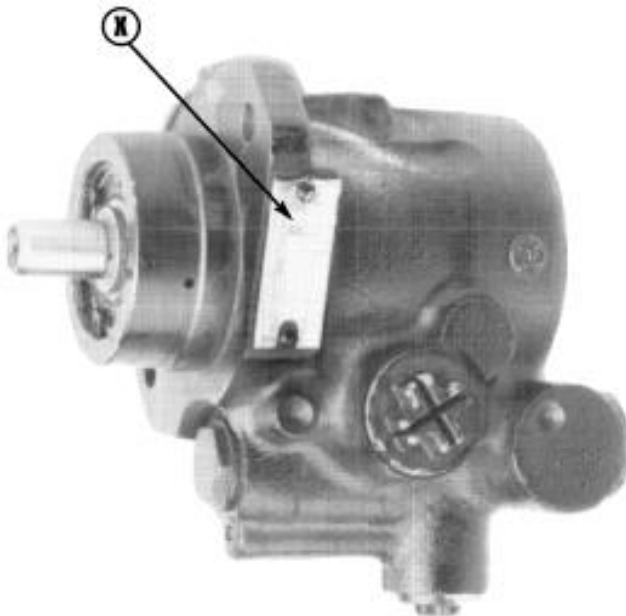


**FREIGHTLINER / NAVISTAR
PETERBILT**

H-39, H-49, H-77, H-90
INFORMATION NEEDED
STAMPED NUMBERS
(see "X")

EXAMPLES:
H39AT1AA15040AS
H49BT2AA17560DS
H77BT1AA17560AS
H90CY2CA17560BS

Medium and heavy duty
ZF STEERING PUMPS

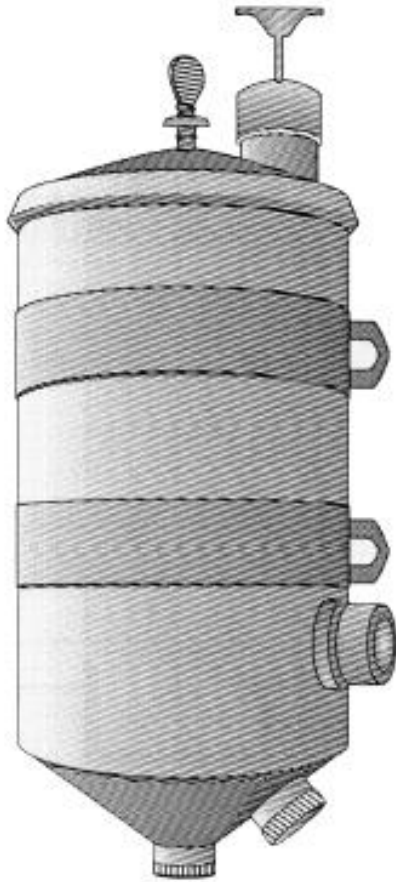


**FREIGHTLINER/FORD
MACK / NAVISTAR
PACCAR / VOLVO**

INFORMATION NEEDED
ZF STAMPED NUMBERS
(see "X" or tag)

EXAMPLES:
7673955321
7674955272
7674955343
7677955179

RESERVOIRS



RESERVOIRS

2 Quart Reservoir	91085G
4 Quart Reservoir	91410A
9 Quart Reservoir	91417A

Included are universal mounting brackets and filter.



FILTERS

2 Quart Filter	84365A
4 Quart Filter	83804E
9 Quart Filter	83804E

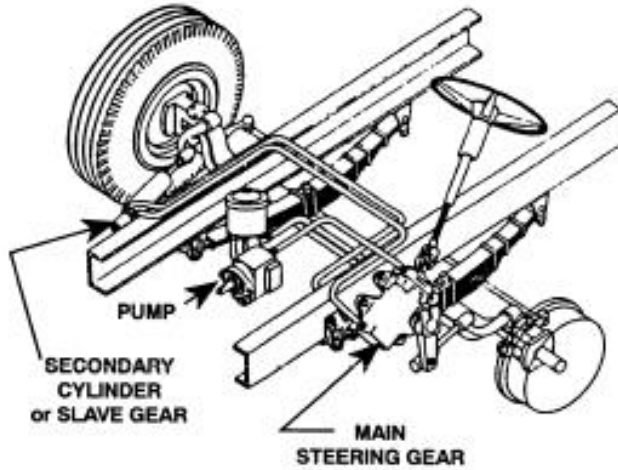


ALSO AVAILABLE

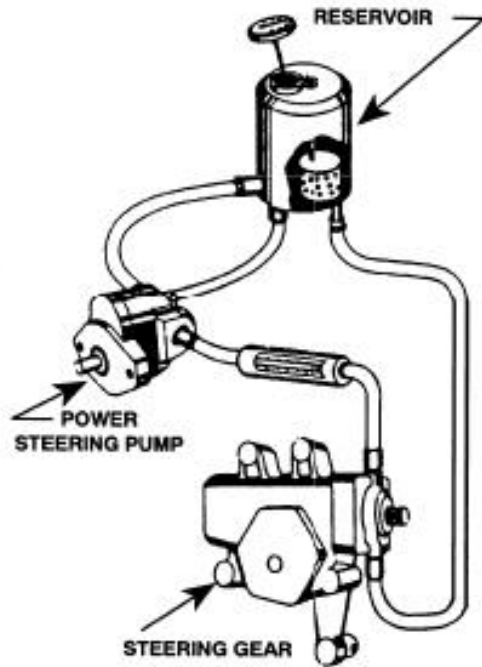
Brackets
Dipsticks
Gaskets and O-rings

Heavy Duty
SYSTEM ILLUSTRATIONS

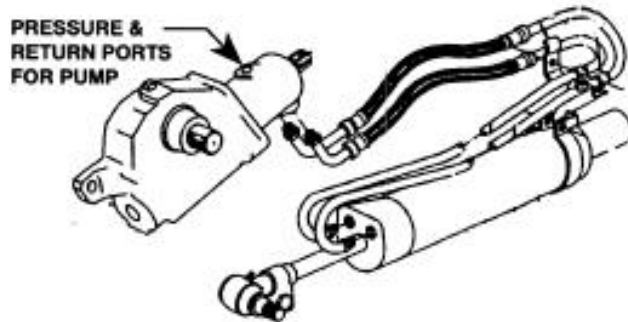
DUAL (Integral) SYSTEM



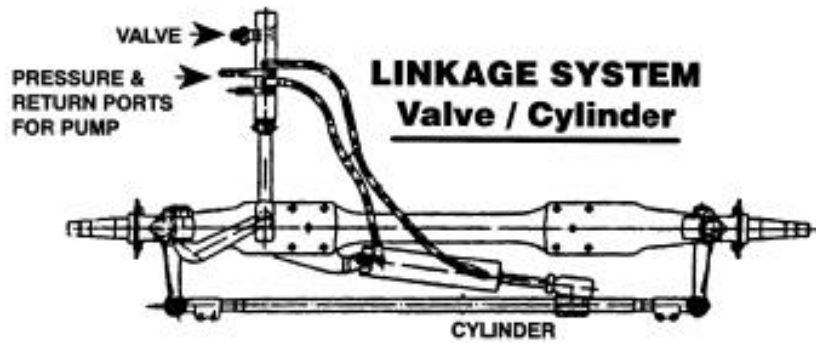
SINGLE (Integral) SYSTEM



SAGINAW POWER ASSIST SYSTEM



LINKAGE SYSTEM
Valve / Cylinder



Medium and heavy duty
STEERING GEARS

Year	Front Axle Weight	Comments	Part No.
<u>BLUEBIRD: BUS</u>			
Up to 1987	..... 12,000 lbs	.....	HFB64041X
Up to 1987	..... 12,000 lbs	.....	HFB64098X
1987 - Up	..... 14,000 lbs	.....	TAS65015X
ALL	..... 16,000 lbs	.....	HFB70054X
<u>CHEV/GMC: C-Series</u>			
Up to 1979	..... C-60	w/dual piston Saginaw gear	7813161X
		w/dual valve Saginaw gear	5691003X
	..... C-70	w/dual piston Saginaw gear	7813161X
1980-91	.....	w/dual piston Saginaw gear	7813161MX
		w/rotary valve Saginaw gear	7832331X
<u>CHEV/GMC: Astron/Titan</u>			
1968-82	..... Up to 12,000 lbs	w/rotary valve Saginaw gear	7802018X
1983-88	..... Up to 12,000 lbs	w/Sheppard gear	292-SBF6X
<u>CHEV/GMC: Brigadier/Bruin</u>			
	Up to 12,000 lb	w/rotary Saginaw gear	5696067X
	16,000 lbs. & up	w/rotary valve Saginaw gear	5696067X2
		w/Sheppard gear	292-SCX6X
<u>CHEV/GMC: General /Bison</u>			
Up to 1983	..... Up to 12,000 lbs	w/rotary valve Saginaw gear	5696067X
	16,000 lbs & up	w/rotary valve Saginaw gear	5696067X2
1983-89	.....	w/Sheppard gear	292-SCX6X
<u>CHEV/GMC: Top Kick/Kodiac</u>			
1989-99	.....	w/dual piston Saginaw gear	26002502X
		w/Ross gear	TAS65026X



Medium and heavy duty
STEERING GEARS

Year	Front Axle Weight	Comments	Part No.
FORD: B600, 700 & 7000			
1967-79	All from Serial #G90,001		HF54044X
1980-89	All except 9,500, 12,000 lbs		HFB52023X
1983-84	9,500, 12,000 lbs		HFB64042X
1988-91	6,000, 7,000, 8,000 lbs	Bendix	2260377X
FORD: F600, 6000, F700, 7000			
1970-79	5,000, 5,500, 6,000, 7,000 from Serial #G90,001		HF54044X
1970-79	9,000 lbs	from Serial #G90,001 (F700,7000)	HF54042X
1970-79	7,500 lbs	4 WD (F600, 6000)	HF54042X
1980-89	All except 9,500, 12,000 lbs		HFB52023X
1983-84	9,500, 12,000 lbs		HFB64042X
1988-91	6,000, 7,000, 8,000 lbs	Bendix	2260377X
FORD: CF600, CF700, CF800			
1986-92	9,000 to 13,000 lbs	Bendix	2268304X
FORD: F800			
1973-79	9,000 lbs		HF54042X
1980-89	All except 9,500, 12,000 lbs		HFB52023X
1983-89	9,500, 12,000 lbs		HFB64042X
FORD: C600, C700, C7000, C800, CT800, C900, CT900, C8000, CT8000			
1976-80	6,000, 7,000, 9,000 lbs		HFB52011X
1976-80	12,000, 16,000, 18,000 lbs		HFB52012X
1981-89	6,000, 7,000, 9,000 lbs		HFB52016X
1981-89	12,000, 16,000, 18,000 lbs		HFB52017X
FORD: CL900, CL9000, CLT900, CLT9000			
1978-90	ALL		HFB64044X
FORD: LN500, 600, 700, 750, 6000, 7000			
1970-80	5,000, 7,000 lbs	(2 port small input shaft)	HF54050X
	9,000 lbs	(4 port small input shaft)	HF54043X
1981-89	5,000, 7,000 lbs	(2 port large input shaft)	HF54059X
	9,000 lbs	(4 port large input shaft)	HF54060X
FORD: L, LN, LT, LNT, LTS800, 900, 8000, 9000			
1970-80	7,000, 9,000, 12,000 lbs	(2 port 7/8" dia on input)	HF64076X
	16,000, 18,000, 20,000 lbs	(4 port 7/8" dia on input)	HF64077X
1981	7,000, 9,000, 12,000 lbs	(2 port 13/16" dia on input)	HF64122X
	16,000, 18,000 lbs	(4 port 13/16" dia on input)	HF64123X
1982-89	7,000, 9,000, 12,000 lbs	(2 port)	HFB64079X
	16,000, 18,000, 20,000 lbs	(4 port)	HFB64080X



Medium and heavy duty
STEERING GEARS

Year	Front Axle Weight	Comments	Part No.
FORD: L, LN, LT, LNT, LTS800, 900, 8000, 9000			
1990 & Up.....	12,000 lbs	(2 port)	TAS65010X
	12,000 lbs	(2 port)	TAS65047X
	16,000 lbs	(4 port)	TAS65011X
	16,000 lbs	(4 port)	TAS65048X
FORD: LTL900, 9000			
1981.....	12,000 lbs	(2 port 13/16" dia on input)	HF64122X
	16,000 lbs	(4 port 13/16" dia on input)	HF64123X
1982-89.....	12,000 lbs	(2 port from 8/81)	HFB64079X
	16,000 lbs	(4 port from 8/81)	HFB64080X
FORD: STERLING CARGO			
			TAS65065X
FORD: HN80			
			TAS65104X
FREIGHTLINER			
1980-84.....	Up to 12,000 lbs	cabover.....	HFB64033X
	Up to 12,000 lbs	cabover.....	HFB64092X
1984-87.....	Up to 12,000 lbs	cabover.....	HFB64103X
1987 & Up.....	Up to 14,000 lbs	cabover.....	TAS65005X
1987 & 97	Up to 12,000 lbs	cabover w/SFA	M100PCA1X
	Up to 12,000 lbs	cabover w/SBA.....	M100PCT1X
1980-84.....	Up to 12,000 lbs	cabover.....	392-SCB4X
1984-87.....	Up to 12,000 lbs	cabover.....	392-SGM6X
	Up to 12,000 lbs	cabover.....	392-SGA6X
1997 & Up.....	Up to 12,000 lbs	cabover w/SBA & w/SFA.....	M100PGD1X
1977-83.....	Up to 12,000 lbs	conventional	HFB64084X
1977-83.....	Up to 16,000 lbs	conventional	HFB70042X
1984 & 87.....	Up to 12,000 lbs	conventional	392-SFY6X
1984 & 87	Up to 12,000 lbs	conventional	392-SGL6X
	Up to 12,000 lbs	conventional	HFB64093X
1984-87.....	Up to 12,000 lbs	112,120 conventional	HFB64104X
1987 & 97	Up to 12,000 lbs	112 conventional w/SBA	M100PBW1X
1997 & Up.....	Up to 12,000 lbs	112 conventional w/SBA	M100PGE1x
1987-97.....	Up to 12,000 lbs	120 conventional w/SFA.....	M100PBZ1X
1997 & Up.....	Up to 12,000 lbs	120 conventional w/SBA&SFA	M100PGE1X
1987-97.....	Up to 12,000 lbs	120 conventional w/SBA	M100PBY1X
1877 & Up.....	Up to 14,000 lbs	112,120 conventional	TAS65004X
1980-84.....	Up to 14,000 lbs	conventional	392-SBO4X
1995 & UP	Up to 12,000 lbs	FL70 conventional.....	TAS55003X



Medium and heavy duty
STEERING GEARS

Year	Front Axle Weight	Comments	Part No.
KENWORTH			
1978 & Up.....	Up to 12,000 lbs	cabover.....	392-SEL5X
	Up to 12,000 lbs	cabover K100, K136.....	HFB64030X
	Up to 12,000 lbs	cabover K100, K136.....	HFB64043X
	Up to 12,000 lbs	cabover K100, K136.....	HFB64076X
Up to 1987.....	Up to 12,000 lbs	cabover K100, K136.....	HFB64085X
	Up to 16,000 lbs	cabover K100, K136.....	HFB70038X
1987 & Up.....	Up to 14,000 lbs	cabover K100, K136.....	TAS65008X
	Up to 16,000 lbs	cabover K100.....	TAS85048X
	Up to 16,000 lbs	cabover K100.....	TAS85062X
	Up to 16,000 lbs	cabover K100.....	TAS85083X
	12,000 to 13,000 lbs	cabover K100, K136	M100PDZ1X
		cabover K300.....	M100PEW1X
	12,000 lbs	conventional T300	M100PDQ1X
	Up to 12,000 lbs..conv.C500, W900A&B,T600,T800 models.....		HFB64029X
Up to 1986.....	Up to 12,000 lbs..conv C500, W900A&B,T600,T800 models		HFB64082X
	12,000 to 13,200 lbs	C500B, W900S, T400, T800	M100PEN1X
	16,000 to 18,000 lbs	conventional T400, T800	M110PBQ1X
	16,000 to 22,000 lbs	C500B, W900S, T400, T800 Master.....	M100PEN1X
	16,000 to 22,000 lbs	C500B, W900S, T400, T800 Slave.....	292-SEX61X
	16,000 to 18,000 lbs	C500B, W900S	M110PDZ1X
	22,000 to 30,000 lbs	C500B,C500K,C540B,W900S Master	M110PBQ!X
	22,000 to 30,000 lbs	C500B,C500K,C540B,W900S Slave	292-SEX6X
1987 & Up.....	Up to 14,000 lbs..conv.C500, W900A&B,T600,T800 models.....		TAS65007X
	Up to 14,000 lbs..conv.C500, W900A&B,T600,T800 models.....		TAS65080X
	Up to 14,000 lbs..conv.C500, W900A&B,T600,T800 models.....		TAS65086X
	Up to 14,000 lbs..conv.C500, W900A&B,T600,T800 models.....		TAS65090X
	Up to 14,000 lbs	W900L.....	TAS65079X
	Up to 12,000 lbs	conv. W900A & B models.....	392-CG5X
	Up to 12,000 lbs	conv. W900A & B models.....	392-SER5X
Up to 1986.....	Up to 16,000 lbs..conv. C500,W900L1, B1, T800 models.....		HFB70037X
	Up to 16,000 lbs..conv. C500,W900L1, B1, T800 models.....		HFB70065X
1987 & Up.....	Up to 16,000 lbs	conv.T800.....	TAS85062X
	Up to 16,000 lbs	conv.T800.....	TAS85083X
	16,000 to 18,000lbs	conv T800RHD.....	M110PBJ2X
	12,000 to 13,200lbs	W900B2,W900L2	M100PET1X
	16,000 to 22,000lbs..T800RHD,W900B2,W900L2,Master		M100PET1X
	16,000 to 22,000lbs..T800RHD,W900B2,W900L2, Slave		292-SEZ6X

Medium and heavy duty
STEERING GEARS

Year	Front Axle Weight	Comments	Part No.
<u>MACK: R Models (inside frame mount)</u>			
1972- 82	Up to 12,000 lbs	4.00 inch output shaft	HF64088X
	Up to 12,000 lbs	4.25 inch output shaft	HF64101X
	16,000 lbs. & up	4.50 inch output shaft	HF64062X
1977-81	Up to 12,000 lbs	4.75 inch output shaft	HF64114X
1977-79	Up to 12,000 lbs	5.50 inch output shaft	HF64113X
1982 & UP	Up to 12,000 lbs	4.00 inch output shaft	HFB64025X
	Up to 12,000 lbs	4.00 inch output shaft	HFB64055X
	Up to 12,000 lbs	4.00 inch output shaft	HFB64137X
	Up to 12,000 lbs		392-SHW6X
	Up to 18,000 lbs		492-SGV5X
	Up to 20,000 lbs	Master	392-SHW6X
	Up to 20,000 lbs	Slave	292-SDT6X
<u>MACK: R Models (outside frame mount)</u>			
	Up to 12,000 lbs	3 bolt - 2 port	HF64075X
	16,000 lbs & up	3 bolt - 4 port	HF64090X
1977-86	16,000 lbs. & up	4 bolt - 4 port	HF64119X
1986-87	16,000 lbs & up		HF64129X
1986-88	16,000 lbs & up		HF64128X
<u>MACK: Cruiseliners & Superliner - Models</u>			
1977-82	Up to 12,000 lbs		392-SBV4X
	16,000 lbs & up		HFB70049X
	16,000 lbs & up		492-SAQ4X
<u>MACK: MS 200-300 MIDLINER</u>			
			292-SAL6X
			292-SWZ5X
<u>MACK: MH MODEL</u>			
	Up to 12,000 lbs		392-SBX6X
	Up to 12,000 lbs		392-SGW6X
	Up to 12,000 lbs		HFB64063X
	16,000 lbs & up		HFB64062X

Medium and heavy duty
STEERING GEARS

Year	Front Axle Weight	Comments	Part No.
<u>MACK: MR MODEL</u>			
1977-82.....	Up to 12,000 lbs		392-SBV4X
	.....		592-SV5X
	.....		HFB70029X
<u>MACK : CH MODELS</u>			
1988 & UP	Up to 14,000 lbs		TAS65012X
	Up to 14,000 lbs		TAS65092X
	Up to 12,000 lbs	CH600 Set Back Axle	M100PBM1X
	UP to 12,000 lbs	CH600 SBA.....	M100PDL1X
	UP to 12,000 lbs	CH600 SBA.....	M100PGH1X
	UP to 12,000 lbs	CH600 Set Forward Axle	M100PDK1X
	UP to 12,000 lbs	CH600 SFA	M100PGG1X
<u>NAVISTAR: 1000, 3000, 4000, 7000</u>			
1988-91.....	6,000 to 8,000 lbs		TAS40001X
1991 & up	6,000 to 8,000 lbs		TAS40006X
1988-93.....	6,000 to 8,000 lb	Low Profile	TAS40002X
1993 & up	6,000 to 8,000 lbs	Low Profile	TAS40021X
1989 & up	10,000 lbs		TAS55001X
1989 & up	10,000 lbs		M90PAD1X
<u>NAVISTAR: 4000, 7000, 8100</u>			
1989 & up	12,000 lbs		M100PCL1X
<u>NAVISTAR: 2275, 2575</u>			
	9,000 lbs		HFB52010X
	9,000 lbs		HFB52024X
<u>NAVISTAR: 1854, 1954, 2155, 2156</u>			
1978-87.....	12,000 lbs		HFB64008X
1987-88.....	12,000 lbs		HFB64115X
	12,000 lbs		HFB64016X

Medium and heavy duty

STEERING GEARS

Year	Front Axle Weight	Comments	Part No.
<u>NAVISTAR: 1854, 1954, 2155, 2156</u>			
1978-87	12,000 lbs		HFB64008X
	12,000 lbs		HFB64016X
1987-88	12,000lbs		HFB64115X
1988-Up	12,000lbs		TAS65058X
<u>NAVISTAR: 1600 - 2100</u>			
1978-87	6,000 to 9,000 lbs		HFB52013X
1987-90	6,000 to 9,000 lbs		HFB52033X
<u>NAVISTAR: S-SERIES 1600 - 1900</u>			
	8,000 - 10,000 lbs	Sheppard	372-JL3X
	8,000 - 10,000 lbs	Sheppard	372-LL3X
	8,000 - 10,000 lbs	Sheppard	292-AR4X
	8,000 - 10,000 lbs	Sheppard	292-SBE5X
	8,000 - 10,000 lbs	Sheppard	292-SCA5X
	8,000 - 10,000 lbs	Sheppard	292-SCA6X
	9,000 lbs	Saginaw Dual Piston	7830389X
1978-87	9,000 lbs	Ross	HFB52013X
1987-90	9,000 lbs	Ross	HFB52033X
1990 & Up	9,000 lbs	Ross	TAS40008X
<u>NAVISTAR: S-Series 1600 - 2100, 2100 - 2500</u>			
	12,000 lbs		392-SFP4X
	12,000 lbs		392-SGK4X
	12,000 lbs		392-SGR4X
	12,000 lbs		392-SHA4X
<u>NAVISTAR: S-Series 1900 - 2600</u>			
	Dual system	SBA Master Gear	292-SCA4X
	Dual system	SBA Slave Gear	292-SCD4X
	Dual system	SFA Master Gear	292-SCB6X
	Dual system	SFA Slave Gear	292-SCC6X
<u>NAVISTAR: 2275, 2375, 2575, 2675</u>			
1979-82	12,000 lbs		HFB64010X
1982-90	12,000 lbs		HFB64057X
1988 & Up	12,000 lbs		TAS65059X
<u>NAVISTAR: 2574, 2674</u>			
1979-82	2,000 lbs		HFB64012X
1982-88	16,000 & Up		HFB64058X
1988 & Up	16,000 & Up		TAS65059X

Medium and heavy duty

STEERING GEARS

Year	Front Axle Weight	Comments	Part No.
<u>NAVISTAR: S-Line 2100 - 2600</u>			
05726, 05229		.....except axle code: 02054	HF54053X
		.....axle code: 02504	HF54039X
02576, 05299			HF54055X
05261, 05277			HF64107X
<u>NAVISTAR: 1910A, 2010A, F2010A, 2110A, 2050A, 2050A</u>			
05320, 05321, 05322, 05323			HF64107X
<u>NAVISTAR: 4200, F4200, 4300, F4300</u>			
	16,000 LBS & Up		HF64080X
1972-81	Up to 12,000 lbs		392-BR5X
After 1981	Up to 12,000 lbs		392-SU4X
<u>NAVISTAR: C04070A, C04070B</u>			
1973-75	Up to 12,000 lbs		392-BD5X
1975-79	Up to 12,000 lbs		372-A2X
After 1979	Up to 12,000 lbs		392-SFS6X
1979-81	Up to 12,000 lbs		392-SU4X
<u>NAVISTAR: 4900, 8100</u>			
1989 & Up	10,000 to 12,000lbs		M100PCL1X
<u>NAVISTAR: 8200, 8300</u>			
1989 & Up	12,000 lbs		M100PCL1X
<u>NAVISTAR: 9300, 9400</u>			
1989 & Up	12,000 - 16,000 lbs		TAS65042X
1989 & Up	12,000 - 16,000 lbs		TAS65051X
<u>NAVISTAR: 9370 Conv.</u>			
1982-86	12,000 lbs		392-SGS4X
1984-90	12,000 lbs		HFB64105X
1986-97	12,000 lbs		M100PAH1X
<u>NAVISTAR: C09670 4x2, C09670 6x4, C09670 Eagle 6x4</u>			
Up TO 1980	Up TO 12,000 lbs		HFB64021X
	Up TO 12,000 lbs		HFB64046X
	16,000 lbs & Up		HFB64047X
Early 80's	12,000 lbs		392-SCH4X
Mid 80's	12,000 lbs		392-SFV4X



Medium and heavy duty
STEERING GEARS

Year	Front Axle Weight	Comments	Part No.
NAVISTAR: 9700			
1989 & Up.....	12,000 lbs		M100PAG1X
NAVISTAR: 7070B, F7070B, C04070B, 4170, F4170			
05336		axle codes: 02329,02339, 02341	HFB64032X
PETERBILT			
Up to 1986	12,000 lbs	COE 362 & CONV 359, 379...4 port.....	HFB64031X
	12,000 lbs	COE 362 & CONV 359, 379...4 port.....	HFB64083X
1990 & Up.....	Up to 14,000 lbs	COE 362 & CONV 359, 379...4 port.....	TAS65025X
1986 & Up.....	Up to 12,000 lbs.....	COE 357, 362 CONV 375, 379.....	M100PAE1X
1996 & U.....	16,000 lbs & Up	COE 357,362,375,377,379.....	M100PFS1X
1996 & Up.....	16,000 lbs & Up	Slave Gear	292-SEQ6X
	Up to 14,000 lbs	COE 362 & CONV 379 models 4 port....	TAS65024X
Up to 1987	16,000 lbs. & Up	CONV	HFB70022X
1987 & Up.....	16,000 lbs. & Up	CONV 377,378,379 models	HFB70113X
1987 & Up.....	16,000 lbs. & Up	CONV 377,378,379 models	HFB70114X
1994 & Up.....	18,000 lbs. & Up	CONV 377,378,379 models	TAS85052X
Up to 1986	Up to 12,000 lbs	COE 362 & CONV 379 models 2 port....	HFB64050X
	Up to 12,000 lbs	COE 392 & CONV 379 models 2 port....	HFB64086X
	Up to 14,000 lbs	COE 362 & CONV 379 models 4 port....	TAS65091X
1986-88.....	Up to 12,000 lbs	COE 360 & CONV 377,378,379 2 port...	HFB64126X
	Up to 12,000 lbs	COE 360 & CONV 377,378,379 4 port...	HFB64127X
1989 & Up.....	Up to 12,000 lbs	COE 360 & CONV 377,378,379 4 port...	TAS65009X
	Up to 12,000 lbs	COE 360 & CONV 377,378,379 4 port...	TAS65024X
1996 & Up.....	12,000 to 14,000 lbs.....	320 LH Drive.....	M100PGW1X
1995 & Up.....	16,000 to 18,000 lbs.....	320 LH Drive Master Gear	M100PGW1X
1995 & Up.....	16,000 to 18,000 lbs.....	320 LH Drive Slave Gear.....	292-SEQ6X
1995 & Up.....	16,000 to 18,000 lbs.....	320 RH Drive Master Gear.....	M100PGB1X
1995 & Up.....	16,000 to 18,000 lbs.....	320 RH Drive Slave Gear	292-SEQ6X
1996 & Up.....	16,000 to 20,000 lbs.....	357,362,375,377,379 Master Gear...	M100PFS1X
1996 & Up.....	16,000 to 20,000 lbs.....	357,362,375,377,379 Slave Gear....	292-SEX6X
Up TO 1985	12,000 lbs	CONV 359	392-SGO6X

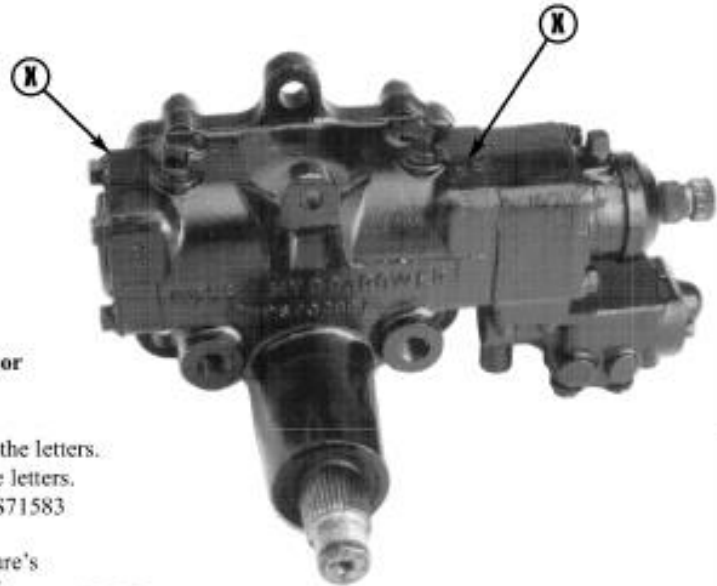
Medium and heavy duty
STEERING GEARS

Year	Front Axle Weight	Comments	Part No.
<u>VOLVO</u>			
1988 & Up		FE & WX Model	TAS65003X
1988 & Up		Aero, WG and WAH	TAS65013X
1987 & Up		Cabover Hi-Aero	M100PEZ1X
1988 & Up		VN Models	M100PFF1X
1987 & Up		WI Models	M100PAL1X
1987 & Up		WIA & WG Models	M100PDU1X
Up to 1987		WIA Models	HFB64090X
1988 & Up		Aero & WIA Models	TAS65006X
<u>WESTERN STAR / WHITE GMC</u>			
			HFB70014X
			HFB70045X
			TAS65014X



ROSS POWER STEERING GEARS

ROSS HPS 53 / 71 Common Applications FORD / NAVISTAR / WHITE



Information needed:
Ross Stamped Model Number (see x) or
OEM Number or
Year, Make, Model, VIN,

The Stamped number will have five digits after the letters.

The Cast number will have six digits after the letters.

Stamped Number Example: HPS71481, HPS71583

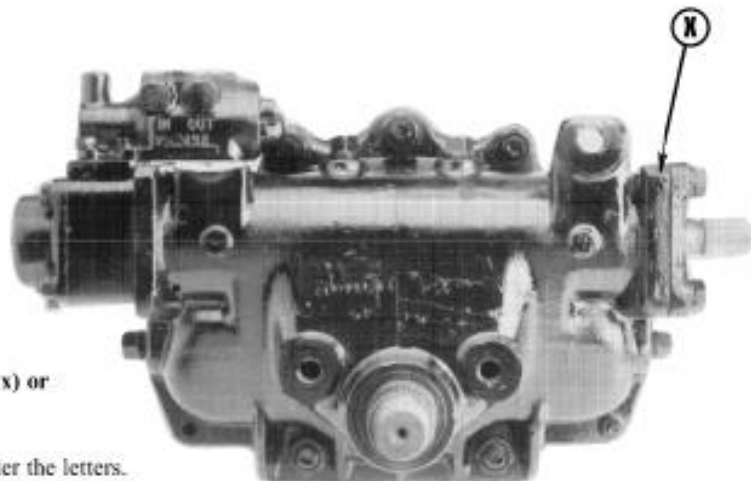
Cast Number Example: HPS702981

Steering Components uses the manufacture's
stamped model number and uses an X
at the end of the number for remanufactured

Example HPS71481X, HPS71583X



ROSS HPS72 Common Applications CROWN / IHC / WHITE



Information needed:
Ross Stamped Model Number (see x) or
OEM Number or
Year, Make, Model, VIN,

The Stamped number will have five digits after the letters.

The Cast number will have six digits after the letters.

Stamped Number Example: HPS72119

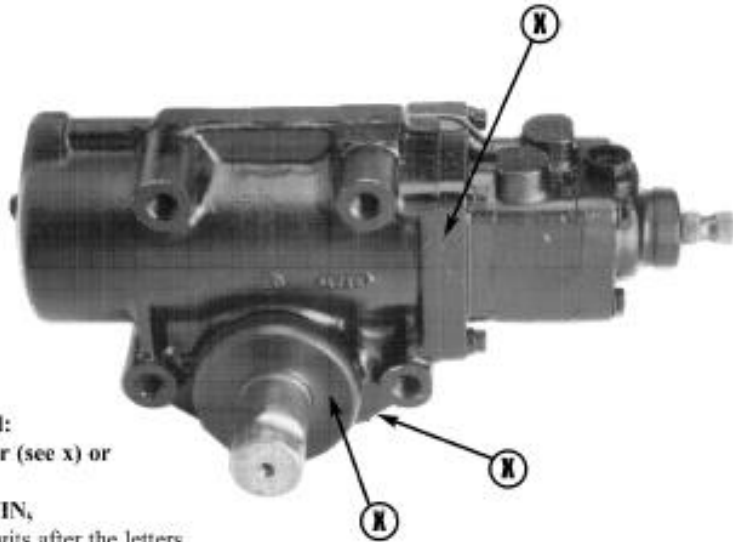
Cast Number Example: TE712993

Steering Components uses the manufacture's
stamped model number and uses an X
at the end of the number for remanufactured

Example HPS72119X

ROSS POWER STEERING GEARS

ROSS HF54 Common Applications FORD / NAVISTAR



Information needed:
Ross Stamped Model Number (see x) or
OEM Number or
Year, Make, Model, VIN,

The Stamped number will have five digits after the letters.

The Cast number will have six digits after the letters.

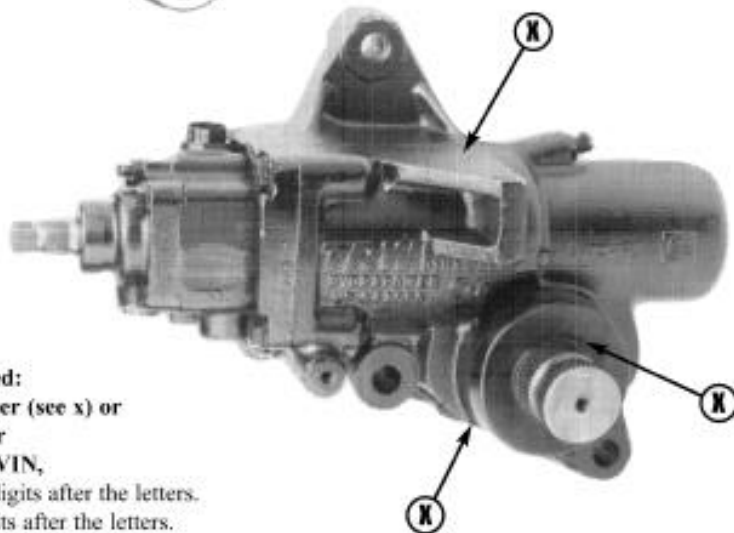
Stamped Number Example: HF54042, HF54050, HF54062

Cast Number Example: HF542995, HF542996.

Steering Components uses the manufacture's stamped model number
and uses an X at the end of the number for remanufactured
Example HF54042X, HF54050X, HF54062X



ROSS HF64 Common Applications AUTOCAR / FORD / KENWORTH NAVISTAR / MACK / OTTAWA / WHITE



Information needed:
Ross Stamped Model Number (see x) or
OEM Number or
Year, Make, Model, VIN,

The Stamped number will have five digits after the letters.

The Cast number will have six digits after the letters.

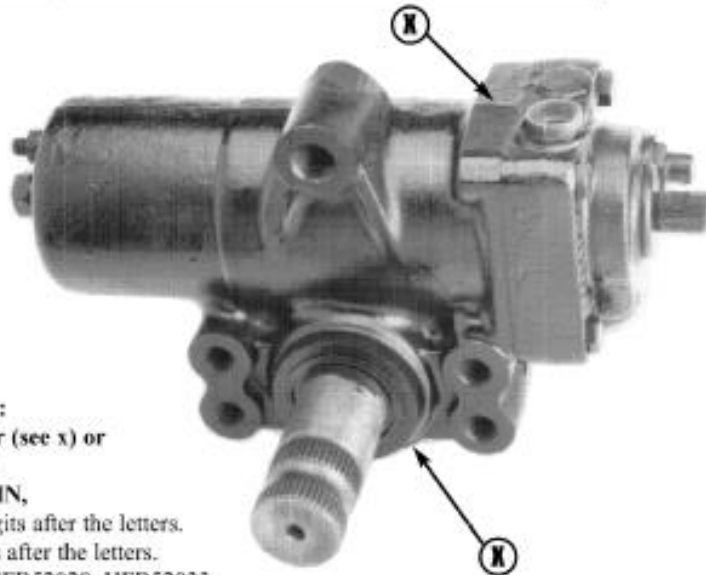
Stamped Number Example: HF64045, HF64076, HF64119

Cast Number Example: HF642990, HF642989, HF642981

Steering Components uses the manufacture's stamped model number
and uses an X at the end of the number for remanufactured
Example HF64045X, HF64076X, HF64119X

ROSS POWER STEERING GEARS

ROSS HFB52 Common Applications FORD / NAVISTAR



Information needed:
Ross Stamped Model Number (see x) or
OEM Number or
Year, Make, Model, VIN,

The Stamped number will have five digits after the letters.

The Cast number will have six digits after the letters.

Stamped Number Example: HFB52011, HFB52028, HFB52033

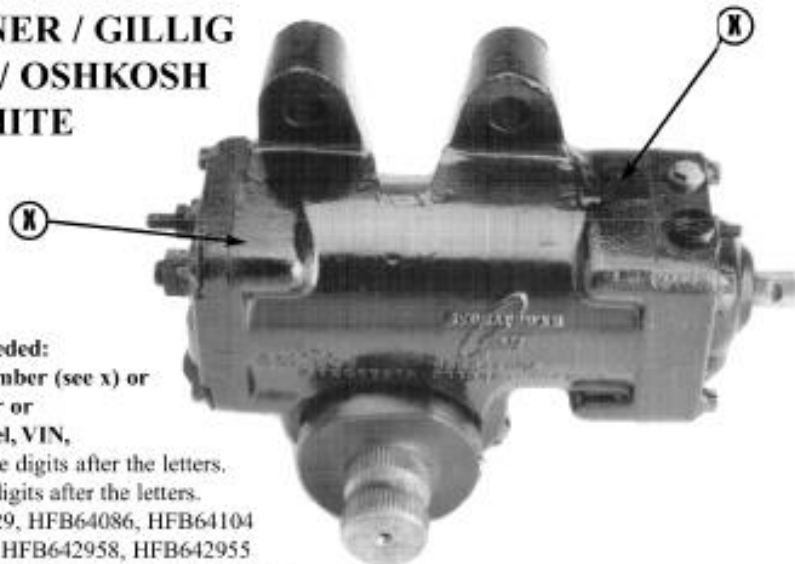
Cast Number Example: HFB522991, HFB522987

Steering Components uses the manufacture's stamped model number and uses an X at the end of the number for remanufactured

Example HFB52011X, HFB52028X, HFB52033X



ROSS HFB64 Common Applications FORD / FREIGHTLINER / GILLIG MACK / NAVISTAR / OSHKOSH VOLVO / WHITE



Information needed:
Ross Stamped Model Number (see x) or
OEM Number or
Year, Make, Model, VIN,

The Stamped number will have five digits after the letters.

The Cast number will have six digits after the letters.

Stamped Number Example: HFB64029, HFB64086, HFB64104

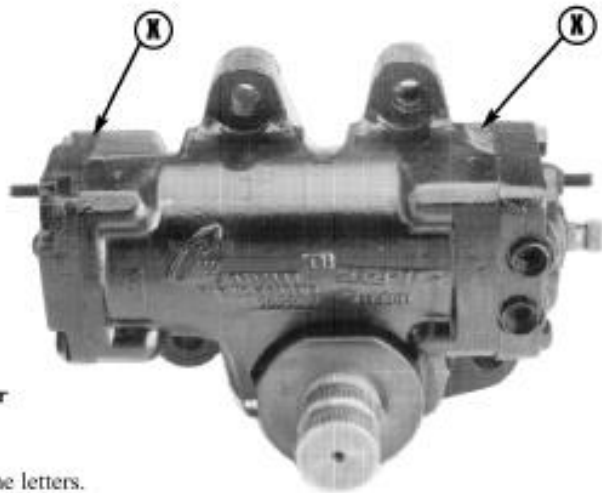
Cast Number Example: HFB642996, HFB642958, HFB642955

Steering Components uses the manufacture's stamped model number and uses an X at the end of the number for remanufactured

Example HFB64029X, HFB64086X, HFB64104X

ROSS POWER STEERING GEARS

ROSS HFB70 Common Applications FORD / FREIGHTLINER GILLIG / MACK / VOVLO / WHITE



Information needed:
Ross Stamped Model Number (see x) or
OEM Number or
Year, Make, Model, VIN,

The Stamped number will have five digits after the letters.

The Cast number will have six digits after the letters.

Stamped Number Example: HFB70014, HFB70065, HFB70130

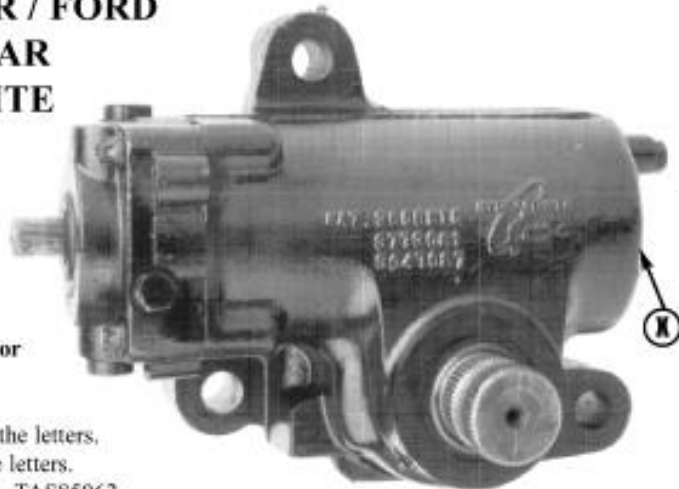
Cast Number Example: HFB702988, HFB702992, HFB702990

Steering Components uses the manufacture's stamped model number and uses an X at the end of the number for remanufactured

Example HFB70014X, HFB70065X, HFB70130X



ROSS TAS 40 / 55 / 65 / 85 Common Applications BLUE BIRD / FREIGHTLINER / FORD GMC / MACK / NAVISTAR PACCAR / VOLVO / WHITE



Information needed:
Ross Stamped Model Number (see x) or
OEM Number or
Year, Make, Model, VIN,

The Stamped number will have five digits after the letters.

The Cast number will have six digits after the letters.

Stamped Number Example: TAS40007, TAS55001, TAS85062.

Cast Number Example: TAS402299, TAS552299, TAS852955

Steering Components uses the manufacture's stamped model number and uses an X at the end of the number for remanufactured

Example TAS40007X, TAS55001X, TAS65007X, TAS85062X



SAGINAW POWER STEERING GEARS

SAGINAW 710 Common Applications GMC / CHEV

INFORMATION NEEDED:

Saginaw Stamped Number (see x)

Identify if METRIC

Identify Output Shaft

OEM Number or

Year, Make, Model, VIN

The Saginaw stamped number is on the back of the main housing just below the side cover, example: 7813161.

METRIC is on the front of the housing in large raised cast letters.

Identify output shaft: One is the standard shaft,

Two is the standard shaft with a D9 stamped in the end of it (see y)(for the P40 and P60 Step Vans).

Three is a full splined shaft on GM Pseries Motorhomes.

Steering Components uses the following numbers.

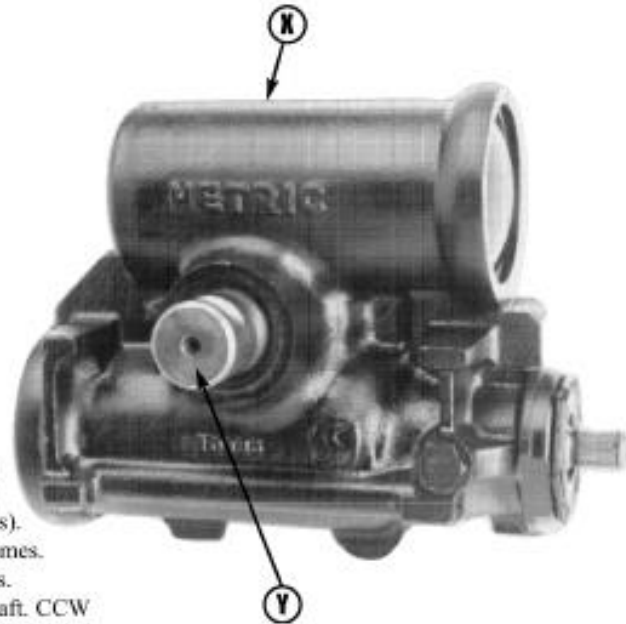
7813161X – No METRIC, No stamped D9, No Splined shaft. CCW

7813161MX – METRIC, No stamped D9, No Splined shaft. CCW

7813161M9X – METRIC, D9, No Splined shaft. CCW

7813161MSX – METRIC, No D9, Splined shaft, CW

7813161MRX – METRIC, No D9, Splined shaft, CCW



SAGINAW 710 Common Applications GMC / CHEV

Information Needed:

Saginaw Cast Number

Identify if METRIC

OEM Number or

Year, Make, Model, VIN

The Saginaw cast number is on

The back of the main housing just below the side cover, example: 26002502.

METRIC is on the front of the housing in large raised cast letters.

The Pitman Arm will be retained by a nut.

Steering Components uses the following number.

26002502X



SAGINAW POWER STEERING GEARS

SAGINAW 710 Common Applications Navistar

Information Needed:
Saginaw Cast Number
OEM Number or
Year, Make, Model, VIN

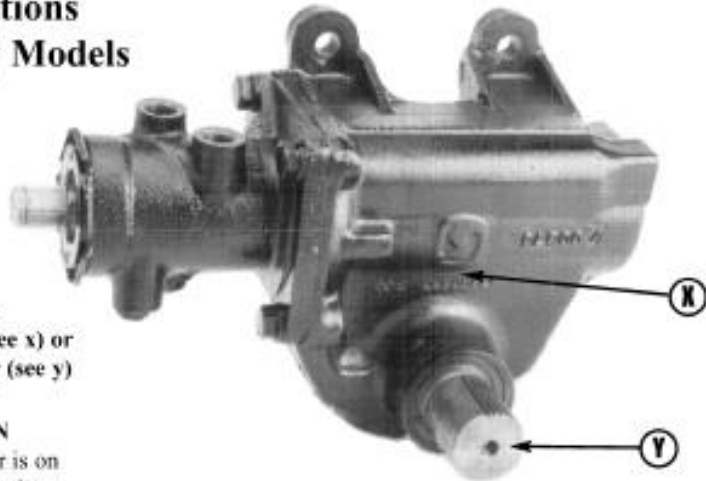
The Saginaw cast number is on the back of the main housing just below the side cover, example: 7830389.
Steering Components uses the following number
7830389X



SAGINAW SEMI INTEGRAL Common Applications CHEV / GMC Early Models

Information Needed:
Saginaw Stamped Number (see x) or
Output Shaft Stamp Number (see y)
OEM Number or
Year, Make, Model, VIN

The Saginaw stamped number is on the front of the main housing just above the sector shaft, examples: 5690653, 5691003.
The gear will have a standard output shaft or will have threads on the end for a nut retained Pitman arm.
Steering Components uses the following numbers
5690653X, 5691003X – Standard shaft
5690653XN, 5691003XN – Threaded shaft



SAGINAW POWER STEERING GEARS

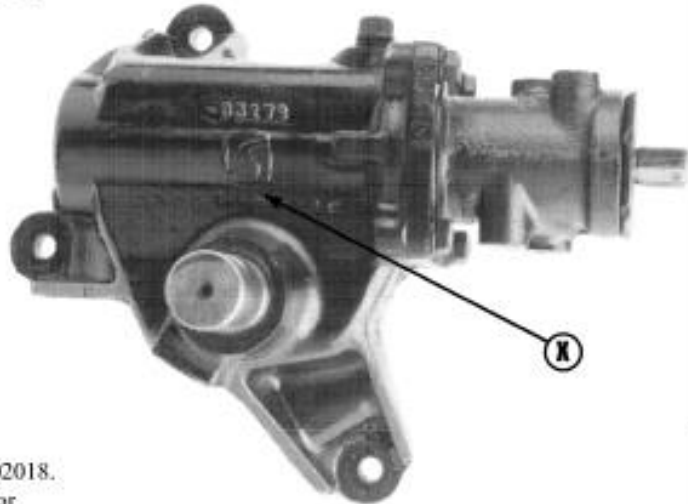
SAGINAW SEMI INTEGRAL Common Applications GMC / CHEV

Information Needed:
Saginaw Stamped Number (see x)
Valve port size or
OEM Number or
Year, Make, Model, VIN

The Saginaw stamped number is on the front of the main housing just above the sector shaft, examples: 5696067, 7802018.

The gear will have a standard output shaft or
Will have a splined output shaft.

Steering Components uses the following numbers
5696067X, 7802018X – Standard shaft
5696067XS, 7802018XS splined shaft.

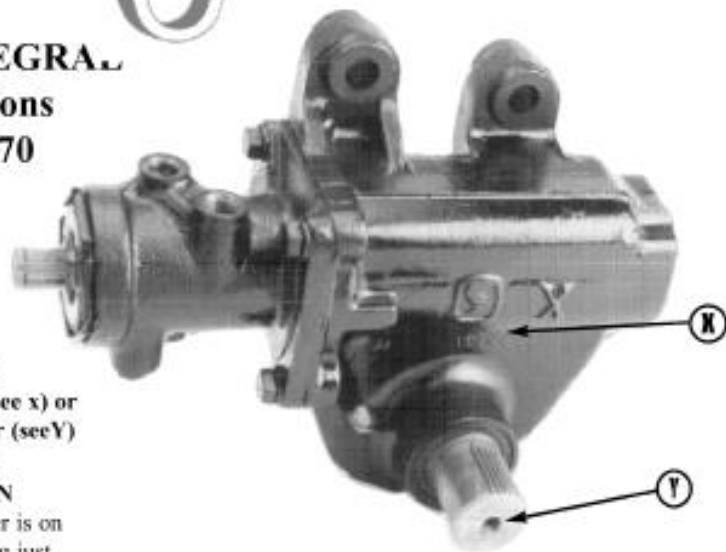


SAGINAW SEMI INTEGRAL Common Applications CHEV / GMC C-70

Information Needed:
Saginaw Stamped Number (see x) or
Output Shaft Stamp Number (see Y)
OEM Number or
Year, Make, Model, VIN

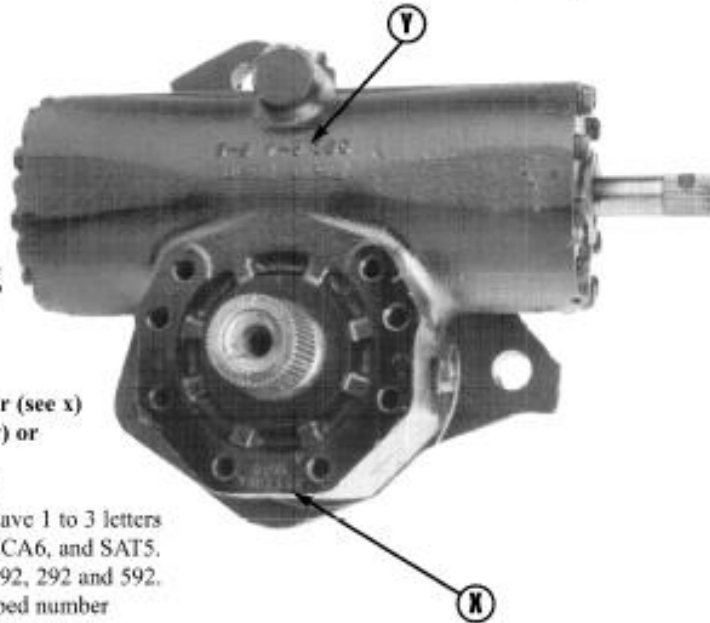
The Saginaw stamped number is on the front of the main housing just above the sector shaft, example: 7832331.

Steering Components uses the following numbers
7832331X



SHEPPARD POWER STEERING GEARS

SHEPPARD
292, 392, 492, 592
Common Applications
GMC / NAVISTAR /
FREIGHTLINER
MACK / PACCAR / WHITE



Information Needed:
Sheppard Stamped Model Number (see x)
Sheppard Cast Number (see y) or
OEM Number or
Year, Make, Model, VIN

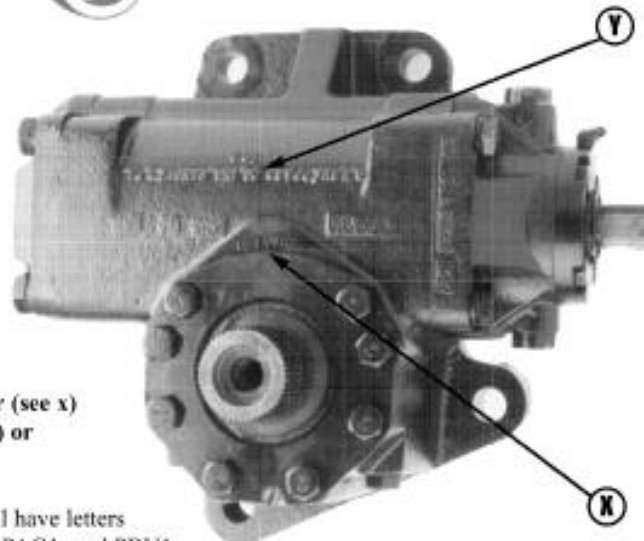
The Sheppard stamped model number will have 1 to 3 letters followed by a number, example: A2, BR5, SCA6, and SAT5.
The Sheppard cast number examples: 372, 392, 292 and 592.

The cast number followed by the stamped number gives the part number for the correct gear.
Steering Components uses the cast and stamped number
With an X at the end for remanufactured.

Examples: 372-A2X, 392-BR5X, 292-SCA6X and 592-SAT5X



SHEPPARD
M80, M90, M100, M110
Common Applications
NAVISTAR / MACK /
PACCAR
FREIGHTLINER



Information Needed:
Sheppard Stamped Model Number (see x)
Sheppard Cast Number (see y) or
OEM Number or
Year, Make, Model, VIN

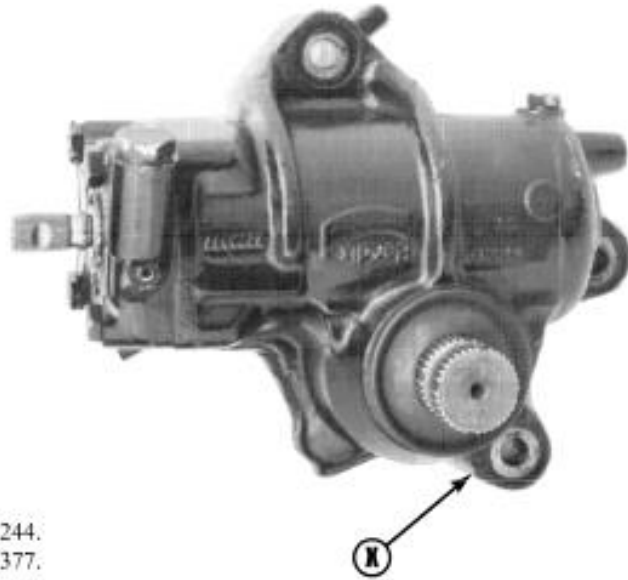
The Sheppard stamped model number will have letters followed by a number, example: SAD1, PAE1, PAG1, and PBV1.
The Sheppard cast number examples: M80, M90, M100 and M110.

The cast number followed by the stamped number gives the part number for the correct gear.
Steering Components uses the cast and stamped number
With an X at the end for remanufactured.

Examples: M80SAD1X, M90PAE1X, M100PAG1X AND M110PBV1X

BENDIX POWER STEERING GEARS

BENDIX 300 / 500 Common Applications FORD



Information Needed:
Bendix Part Number on Tag (see X)
Bendix Cast Number or
OEM Number or
Year, Make, Model

Bendix part number examples: 2268371, 2268244.

Bendix cast number examples: 2261699, 2260377.

Steering Components uses the Bendix number
And uses an x on the end for remanufactured.

Examples: 2268371X, 2268244X



GARRISON CONTROL VALVES



Information Needed:
Stamped Numbers (see x)

Examples: GB2110B, GB2111TL and 38485

Steering Components must remanufacture customer's core

GARRISON CYLINDERS



Information Needed:
Stamped Numbers (see x)

Examples: 2810, 2815 and 2850

Steering Components must remanufacture customer's core

SAGINAW CYLINDERS

Common Applications
CHEV / GMC



Information Needed:
Length of Cylinder from weld to weld or
OEM part number or
Year, Make, Model, VIN

Examples of length: 11", 12", 13"

Steering Components uses the Saginaw part numbers with an X at the end for remanufactured as follows.

11" cylinder – 7825091X

12" cylinder – 7802292X

13" cylinder – 5688931X

ROSS CYLINDERS



Information Needed:
Stamped Numbers (see x)

Examples: 32507-2-1357, C36569-A1 3082390

Steering Components must remanufacture customer's core

ROSS MANUAL STEERING GEARS

ROSS 503

Common Applications
FORD / FREIGHTLINER
NAVISTAR / MACK / PACCAR



Information needed:

**Ross Stamped Model Number (see tag) or
OEM Number or
Year, Make, Model, VIN,**

The Stamped number will start with 503AS
and end with three digits.

The Cast number will start with 503CC and end with three digits.

Stamped Number Example: 503AS110, 503AS155

Cast Number Example: 503CC010

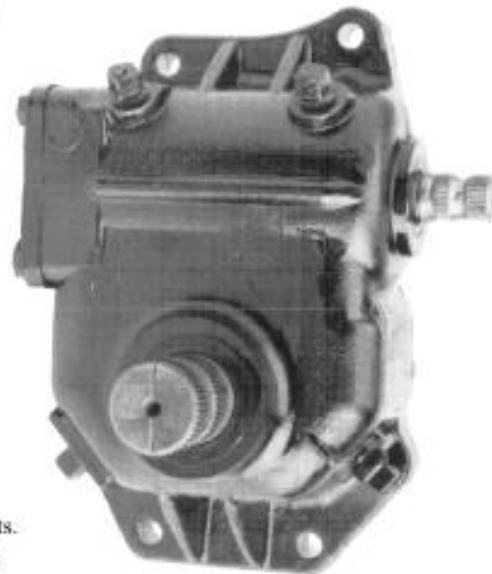
Steering Components uses the manufactures
stamped model number And uses an X
at the end of the number for remanufactured.

Example 503AS110X, 503AS155X



ROSS 504

Common Applications
FORD / FREIGHTLINER
NAVISTAR / MACK / PACCAR



Information needed:

**Ross Stamped Model Number (see tag) or
OEM Number or
Year, Make, Model, VIN,**

The Stamped number will start with 504AS and end with three digits.

The Cast number will start with 504CC and end with three digits.

Stamped Number Example: 504AS018

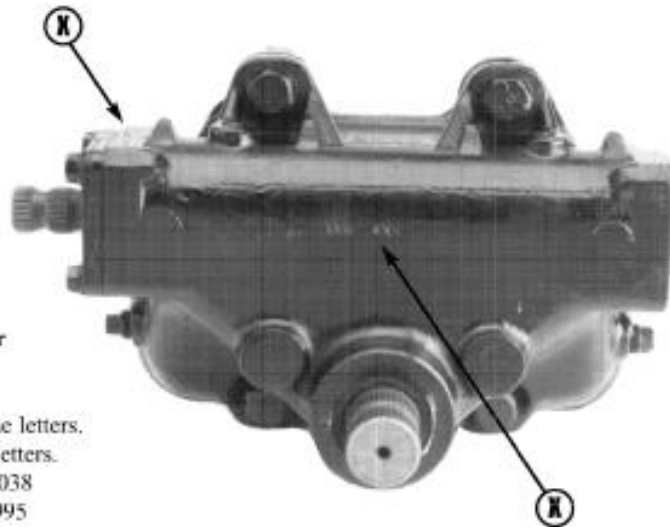
Cast Number Example: 504CC006

Steering Components uses the manufactures
stamped model number and uses an X
at the end of the number for remanufactured.

Example 504AS018X, 504AS026X

ROSS MANUAL STEERING GEARS

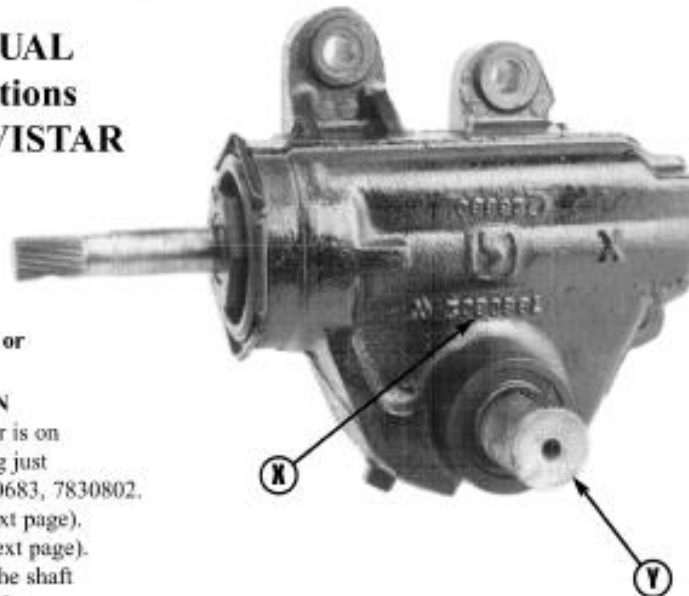
ROSS TD / TE MANUAL Common Applications FORD / NAVISTAR MACK / PETERBILT



Information needed:
Ross Stamped Model Number (see x) or
OEM Number or
Year, Make, Model, VIN,
The Stamped number will have five digits after the letters.
The Cast number will have six digits after the letters.
Stamped Number Example: TD62004, TD71038
Cast Number Example: TD672993, TD705995
Steering Components uses the manufactures
stamped model number and uses an X
at the end of the number for remanufactured
Example **TD62004X, TD71038X**

SAGINAW MANUAL STEERING GEARS

SAGINAW MANUAL Common Applications CHEV / GMC / NAVISTAR



Information Needed:
Saginaw Number (see x) or
OEM Number or
Year, Make, Model, VIN
The Saginaw stamped number is on
the front of the main housing just
above the sector shaft, examples: 5690683, 7830802.
Need type of input shaft (see next page).
Need type of Sector shaft (see next page).
and the number on the end of the shaft
(see y) Examples L1, LL2
Steering Components uses the following numbers
5690683X, 7830802X