

## **TRW Automotive**

Steering & Suspension Systems

# Service Bulletin #575

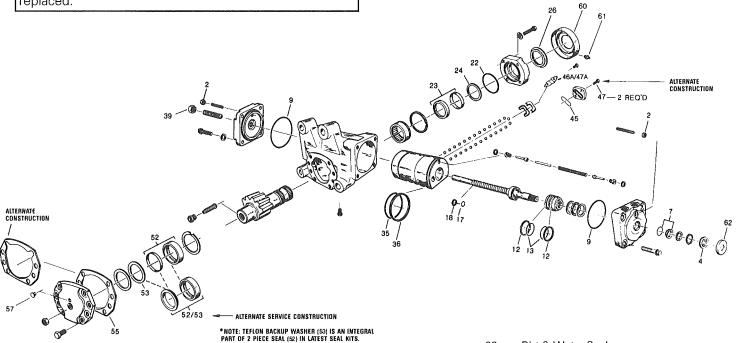
## Illustration for HFB700000 Seal Kit

Revised January, 1999

NOTE

Service seal kits include service parts for more than one type of construction. Select the service kit parts required for the unit being serviced by comparing them with those being replaced.

This TRW Commercial Steering Division service bulletin has been written to help you repair commercial vehicles more efficiently. This bulletin should not replace your manuals; you should use them together. These materials are intended for use by properly trained, professional mechanics, NOT "Doit-yourselfers". You should not try to diagnose or repair steering problems unless you have been trained, and have the right equipment, tools and know-how to perform the work correctly and safely.



Kit #HFB700000 includes all item numbers shown on this bulletin.

All above kits include grease pack #406015.

		36	Tetlon Rack Piston Seal,
2	Poppet Screw Jam Nuts (2)	39	Worm Shaft Adjusting Screw Jam Nut
4	Dirt & Water Seal	45	Ball Return Guide Cap Seal
7	Input Shaft Seal (2-Piece)	47	Allen Head Bolts
9	End Cover and Valve Housing O-rings	47A	Lock Tabs
12	Teflon Seal Rings (2)	52	Side Cover Seal (2-Piece)
13	Back up O-rings	53	Teflon Back up Washer
17	Worm Shaft Back up O-ring	55	Side Cover Gasket
18	Teflon Worm Shaft Seal,	57	Vent Plug
22	Trunnion Cover O-ring	60	Seal Protector Boot
23	Sector Shaft Seal (2-Piece)	61	Grease Fitting
24	Teflon Back up Washer	62	Seal Protector

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Dirt & Water Seal

Rack Piston Back up O-ring

As an added protection against shaft corrosion, the grease packs behind the input and output shaft dirt & water seals should be maintained as a general maintenance procedure. A strict grease pack maintenance program should be followed for steering gears subjected to extreme operating conditions such as high temperatures (200°F and above), salt water atmosphere, pressure spray washing, etc. Maintain this grease pack using one of the following procedures:

#### Output Shaft Seal with NO Grease Zerk / Input Shaft Seal

If it is necessary to disconnect the A CAUTION linkage to the HFB unit's input or output shaft to perform the grease pack maintenance procedure, refer to the latest appropriate HFB Service Manual for further service procedures and hazard notices.

- 1. Slide out the seal protector and pry out the dirt and water seal with a screwdriver. Slide it away from the seal cavity.
- 2. Wipe out the cavity area with a clean cloth.

CAUTION |

Do not use solvent or high pressure to clean out the seal cavity. This could

contaminate the unit, dissolve new grease, or deteriorate the high pressure seals.

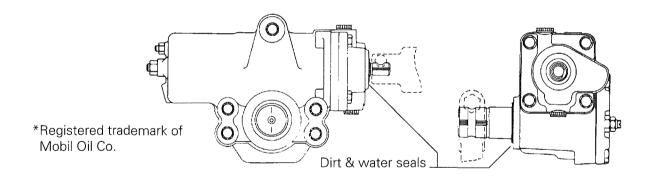
- Apply a generous amount of high temperature 3. industrial grease per TRW specification 045231, Mobil Temp\* 1 or 2 or equivalent, into the seal cavity around the shaft.
- Reinsert the dirt and water seal. 4.
- 5. Add more grease to the seal area and slide the protector back in place.

**A** CAUTION

Be sure the dirt and water seal is correctly seated, and the correct high temperature industrial grease is used.

#### **Output Shaft Seal with Grease Zerk**

- 1. Grease through zerk at regular chassis lubrication intervals using a hand-operated grease gun.
- 2. If the grease fitting remains in the grease gun nozzle after maintenance, reinstall it in the protector boot.



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