BOOSTED MASTER CYLINDER (Power Assist Section)



Service Instructions

DISASSEMBLY

(Refer to Figure 1)

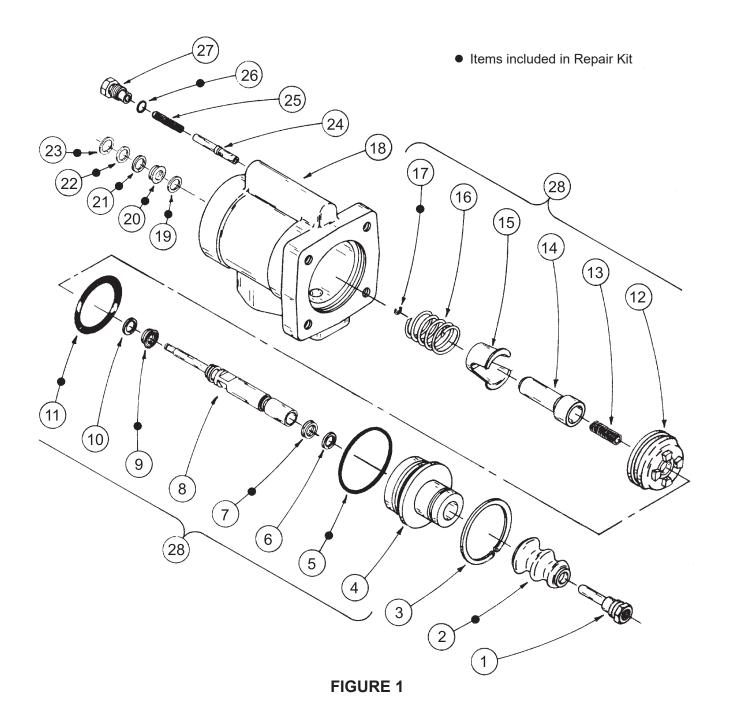
- 1. Drain fluid from unit before disassembling.
- 2. Remove push rod (1) and boot (2) from end plug (4).
- 3. Remove retaining ring (3). **NOTE: Retaining ring** is under tension of spring (16).
- 4. Remove internal parts assembly (28) from housing (18).
- 5. Remove spring (16) and retainer (15) from internal parts assembly (28).
- 6. Remove end plug (4) from piston (8). Remove o-ring (5) from end plug.
- 7. Remove retaining ring (17) from piston (8).
- 8. Remove piston (14) from piston (8). Remove spring (13) from piston (8).
- 9. Remove cups (7 & 9) and back-up rings (6 & 10) from piston (8).
- 10. Remove piston (12) from piston (8), then remove o-ring (11) from piston (12).
- 11. Remove retaining ring (23) from housing. Remove washer (22), back-up ring (21), cup (20), and washer (19).
- 12. Remove plug (27) from housing. **NOTE: Plug is** under tension of spring (25).
- 13. Remove o-ring or copper ring (26) from plug (27).
 NOTE: If an o-ring is found on plug, replace with an o-ring, if a copper ring is found on plug, replace with a copper ring.
- 14. Remove spring (25) and valve stem (24) from housing.

ASSEMBLY

(Refer to Figure 1)

LUBRICATE ALL RUBBER COMPONENTS FROM REPAIR KIT WITH CLEAN TYPE FLUID USED IN THE SYSTEM.

- 1. Clean all parts thoroughly before assembling.
- 2. Install valve stem (24) and spring (25) in housing (18).
- 3. Install new o-ring or copper ring (26) on plug (27).
 NOTE: If an o-ring is found on plug, replace with an o-ring, if a copper ring is found on plug, replace with a copper ring. Install plug (27) in housing.
- 4. Install new steel washer (19) into housing. Steel washer (19) is thinner than brass washer (22).
- Install new cup (20), new back-up ring (21), new brass washer (22), and new retaining ring (23) into housing. Note direction and order of parts.
 NOTE: Be careful not to scratch or mar retaining ring groove or housing bore.
- 6. Install new o-ring (11) on piston (12).
- 7. Install new cup (7) on piston (8). Note direction of cup (7). Install piston (8) into piston (12). Install new cup (9) on piston (8). Note direction of cup (9). **NOTE: Back-up rings are no longer used.**
- 8. Install spring (13) on piston (8).
- 9. Install piston (14) over spring (13) and piston (8).
- Install new retaining ring (17) on piston (8).
 NOTE: Pistons (12 & 14) will have to be compressed to install retaining ring on piston (8).
- 11. Install new o-ring (5) on end plug (4).
- 12. Install end plug (4) on piston (8).
- 13. Install retainer (15) over piston (14) and install spring (16) over retainer (15).
- 14. Install entire internal parts assembly (28) into housing. Use a twisting motion when inserting end of piston (8) through cup (20).
- 15. Install retaining ring (3) into housing.
- 16. Install new boot (2) on end plug (4) and push rod (1) into boot. **NOTE: Apply a small amount of good quality grease to tip of push rod.**



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