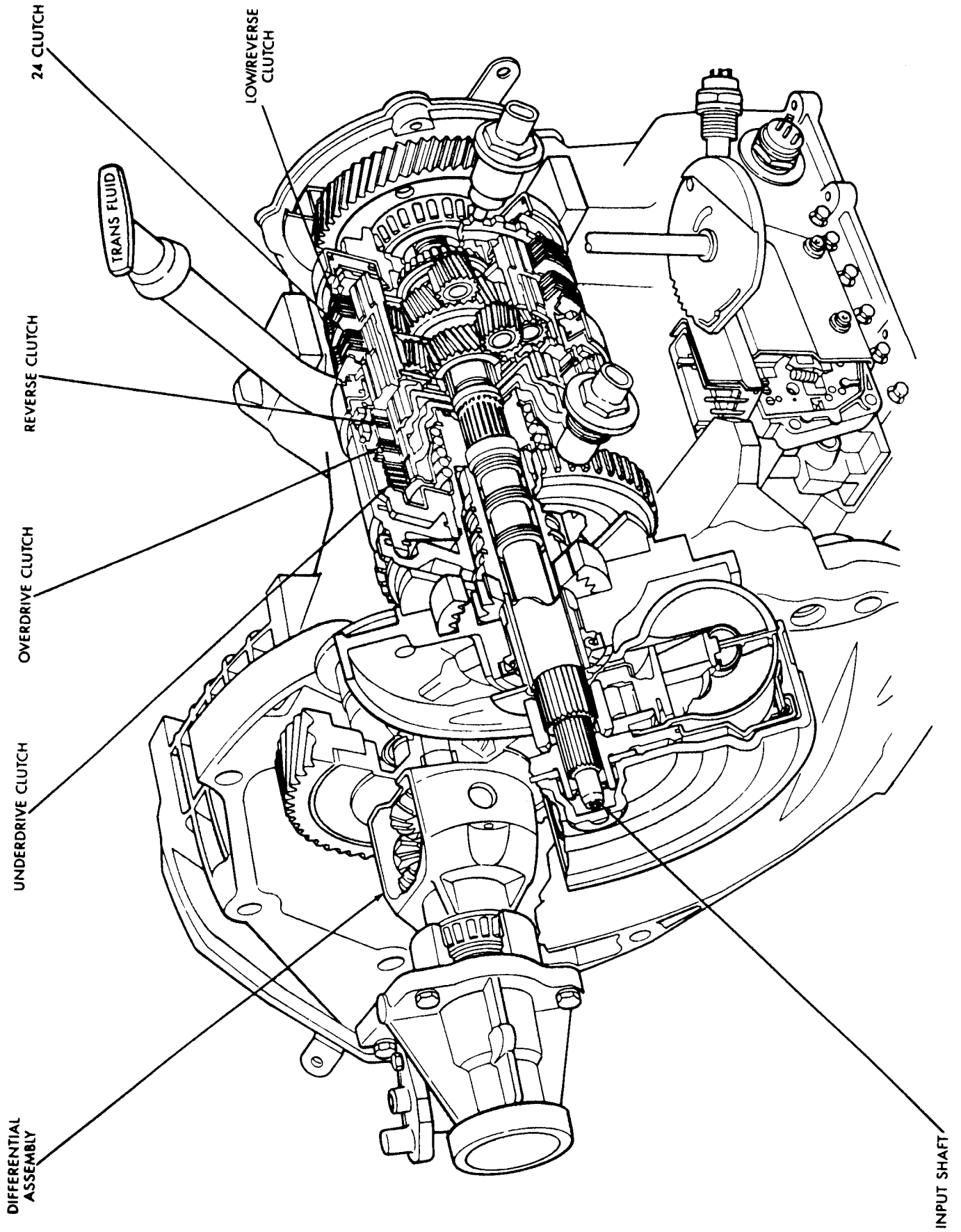


# Technical Service Information



# Technical Service Information

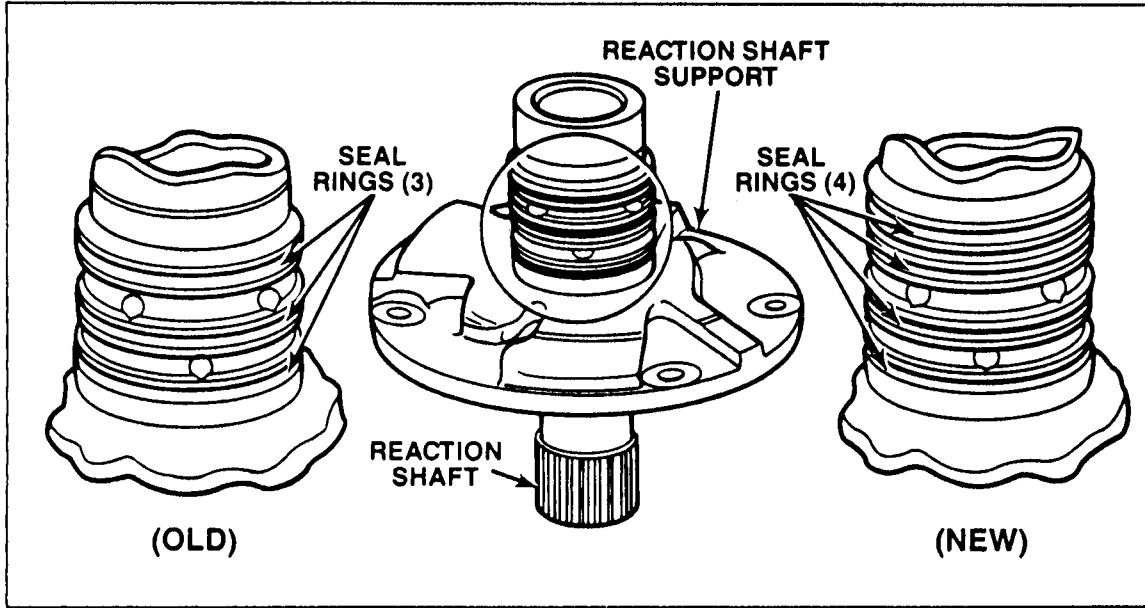


Figure 1

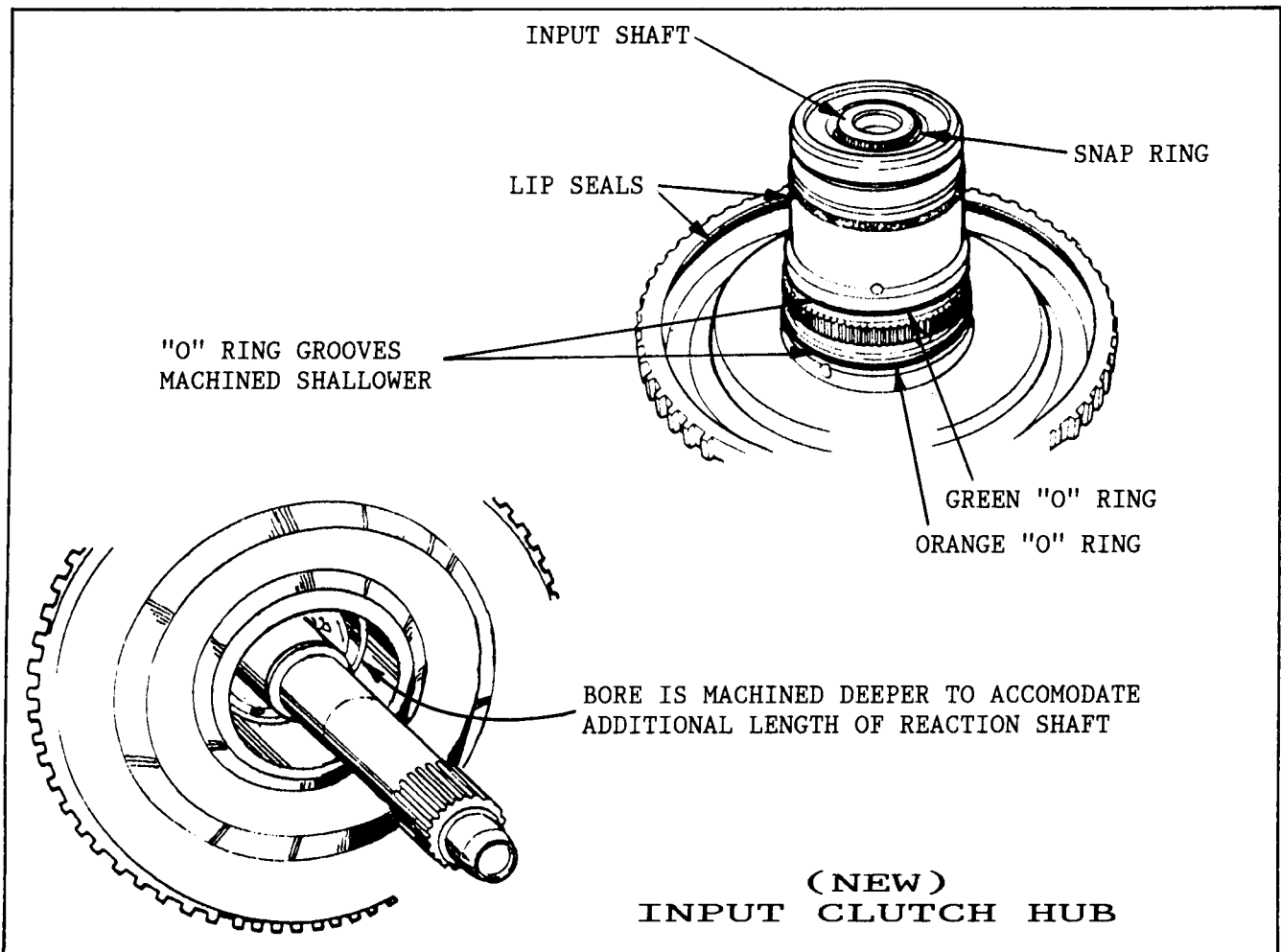


Figure 2

# Technical Service Information

## CHRYSLER A604

### NEW PRNODL AND NEUTRAL SAFETY SWITCHES

**CHANGE:** PRNODL Switch and Neutral Safety Switch have been changed for the 1990 model year, as well as the vehicle wiring harness connectors. Refer to Figure 17 for location of switches on the transaxle.

**REASON:** Positive locking mechanism, with a weathertight seal, to prevent the connection from becoming loose.

#### PARTS AFFECTED:

- (1) PRNODL SWITCH AND CONNECTOR - The PRNODL Switch and its wiring harness connector have changed for 1990, and can be identified visually (See Figure 18). These PRNODL Switches WILL NOT interchange with one another.
- (2) NEUTRAL SAFETY SWITCH AND CONNECTOR - The Neutral Safety Switch and its wiring harness connector have changed for 1990, and can be identified visually (See Figure 19). These Neutral Safety Switches WILL NOT interchange with one another.

#### INTERCHANGEABILITY:

The 1989 and 1990 Switches are not compatible with one another and WILL NOT interchange between these model years.

**NOTE:** Each of the new for 1990 switches may look similar at first glance, but the PRNODL switch features a "Coarse" thread, while the Neutral Safety switch is black and features "Fine" threads. (See Figures 18 and 19).

#### SERVICE INFORMATION:

PRNODL Switch (1989 Model) .....	5234022
PRNODL Switch (1990 Model) .....	5234393
Neutral Safety Switch (1989 Model) .....	3747361
Neutral Safety Switch (1990 Model) .....	5234319

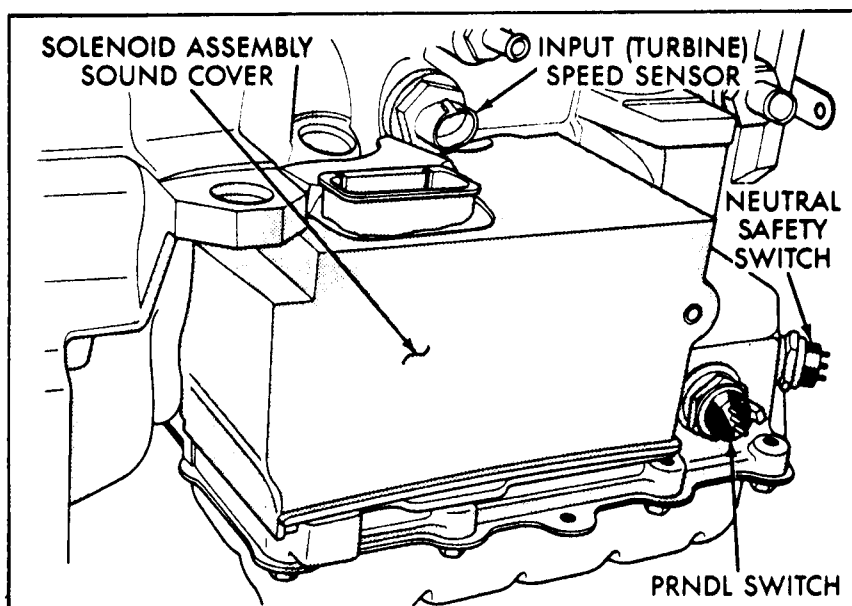


Figure 17

# Technical Service Information

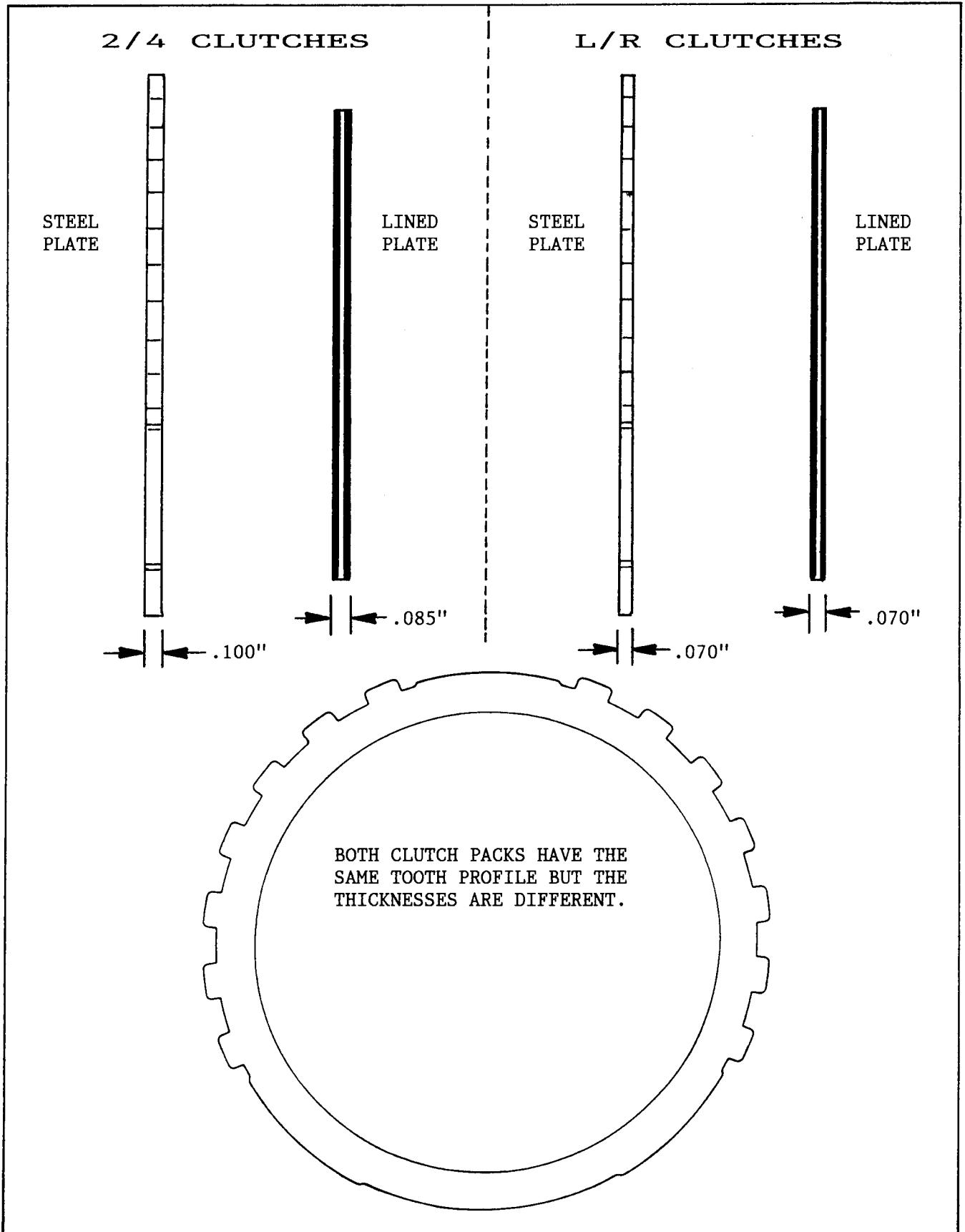


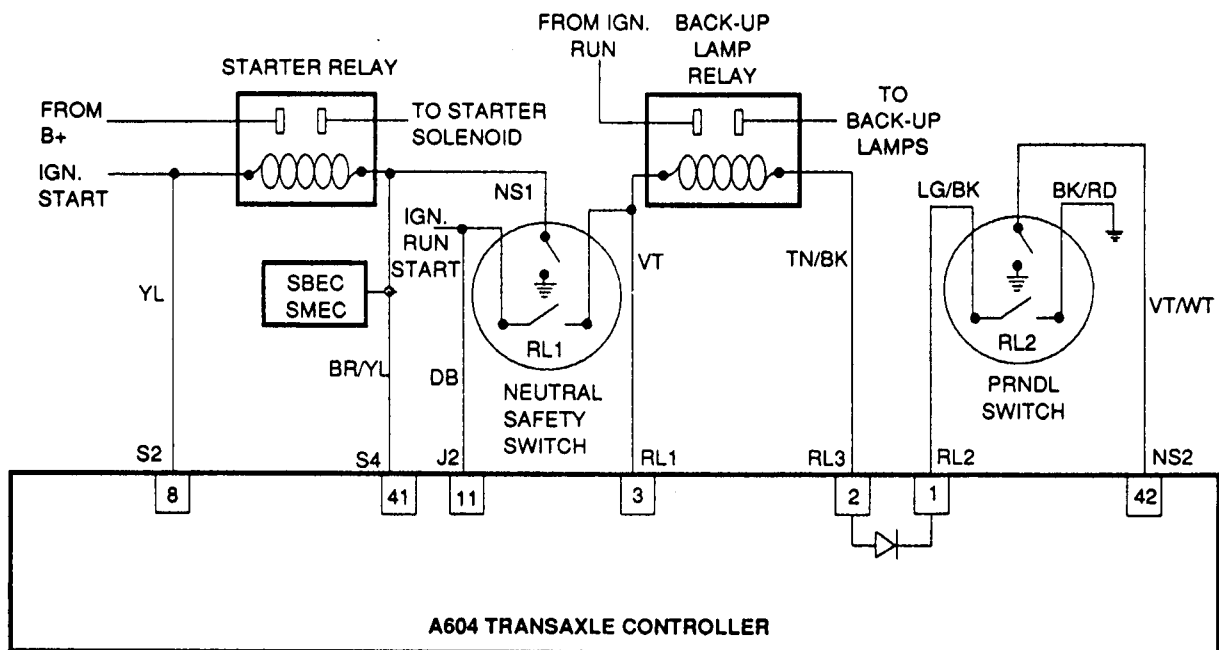
Figure 32

AUTOMATIC TRANSMISSION SERVICE GROUP

# Technical Service Information

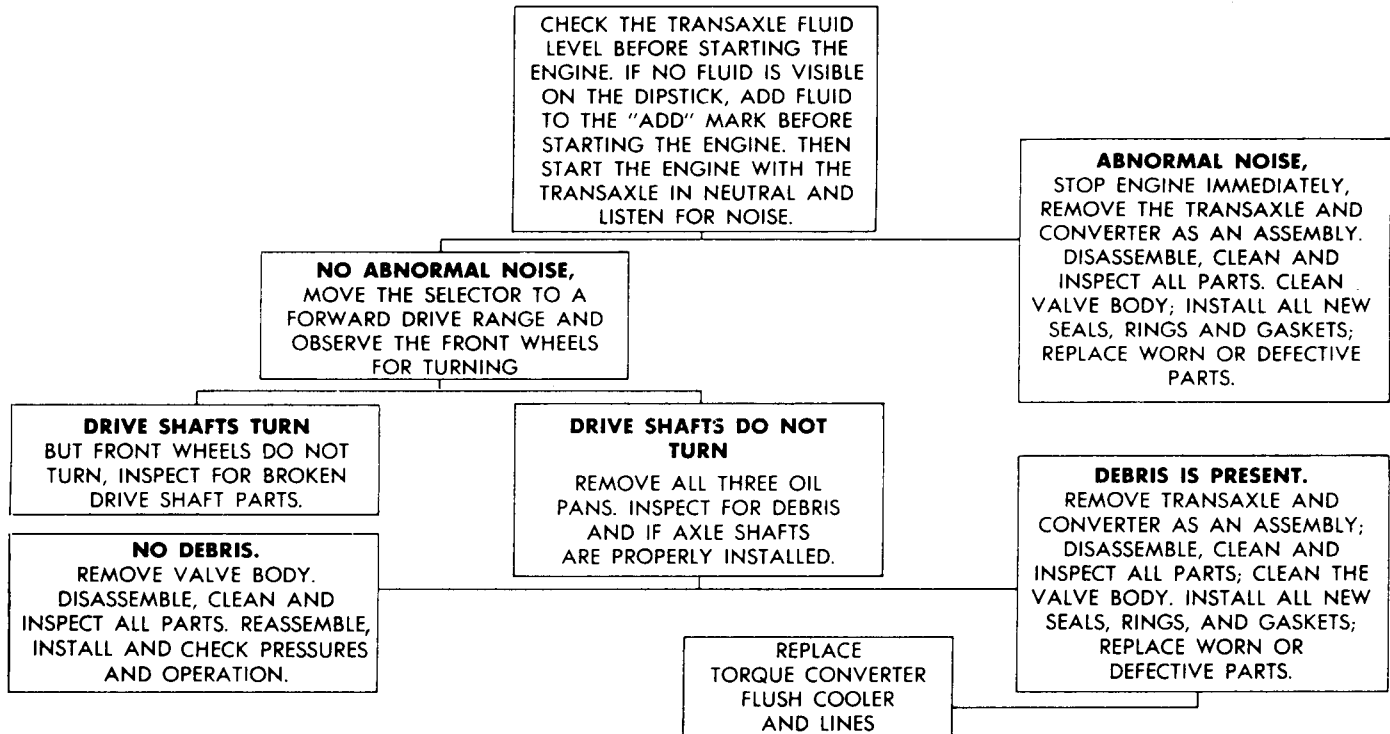
- Probable Causes:**
- Open/short S4 (same as NS1), NS2, RL1, RL2 or RL3.
  - Open J2 circuit between N/S switch and splice.
  - Open J91 circuit between PRNDL switch and splice.
  - Defective or disconnected N/S or PRNDL switch
  - Defective or disconnected Backup Lamp Relay.
  - 60-way connector problem (cavities 1,2,3,41,42).
  - Internal controller failure.

**NOTE:** If transaxle has been serviced recently one of these codes may appear, erase and retest to verify fault code was not set from lack of fluid in passages after service.

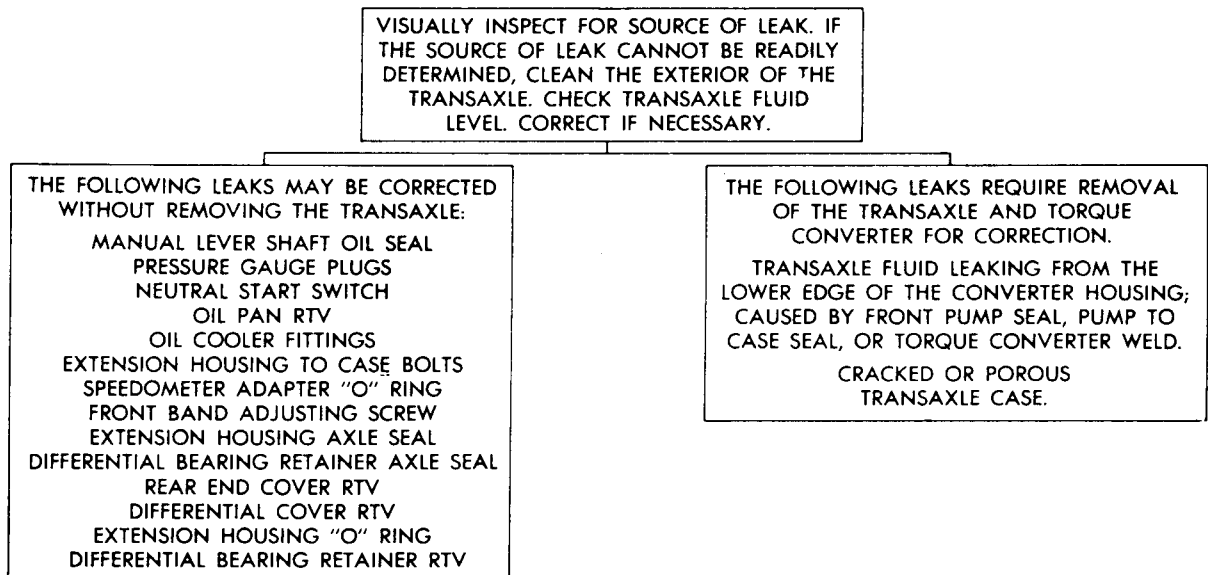


# Technical Service Information

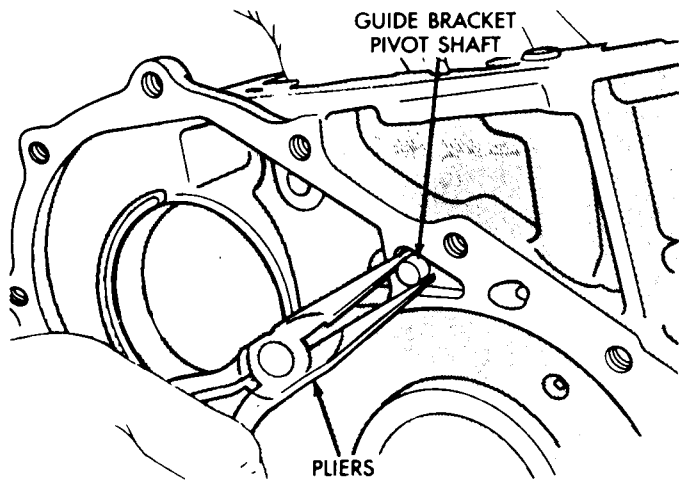
## DIAGNOSIS GUIDE-VEHICLE WILL NOT MOVE



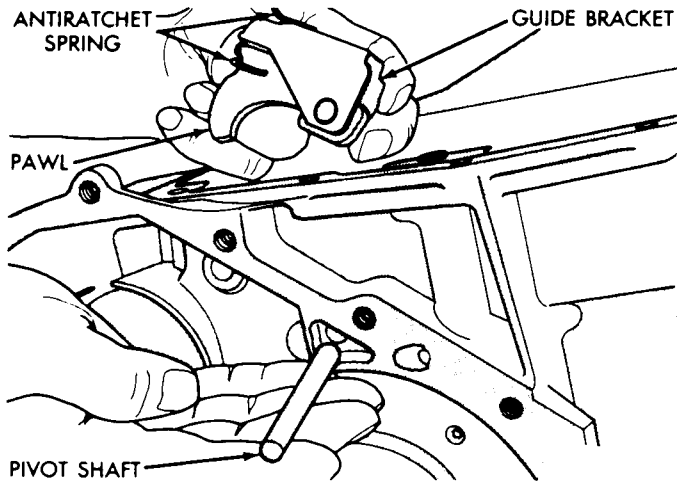
## DIAGNOSIS GUIDE-FLUID LEAKS



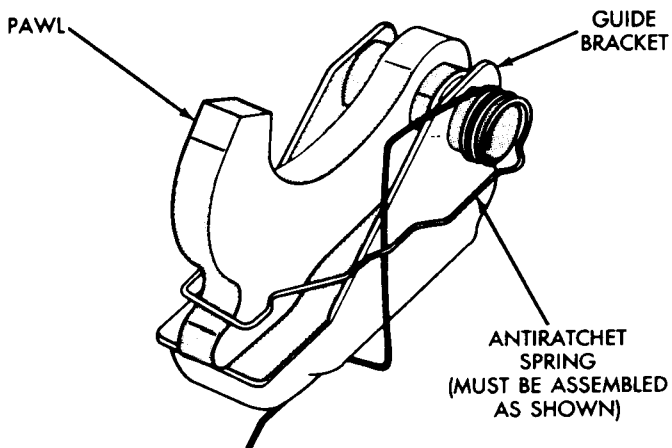
# Technical Service Information



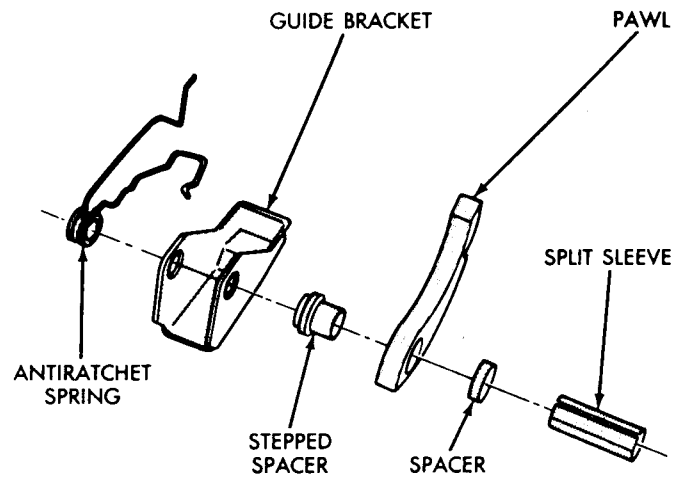
**Fig. 59—Guide Bracket Pivot Shaft**



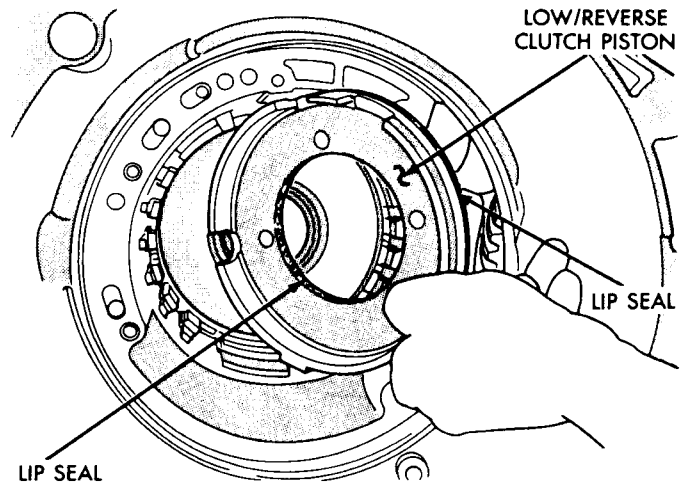
**Fig. 60—Pivot Shaft and Guide Bracket**



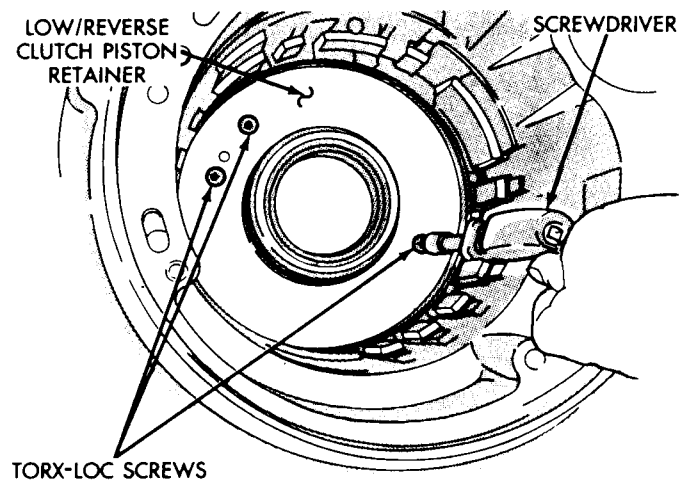
**Fig. 61—Guide Bracket Assembled**



**Fig. 62—Guide Bracket Disassembled**

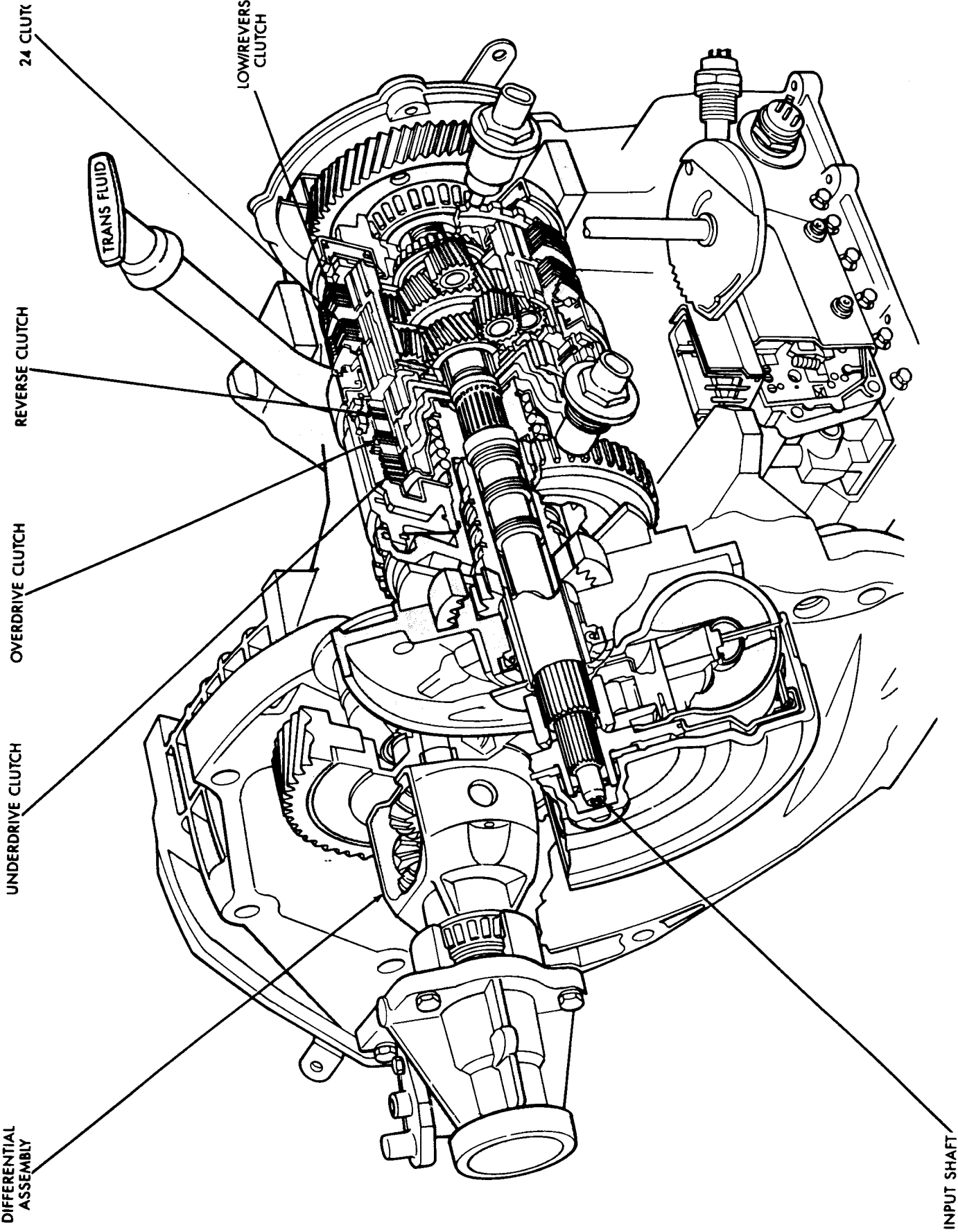


**Fig. 63—Low/Reverse Clutch Piston**



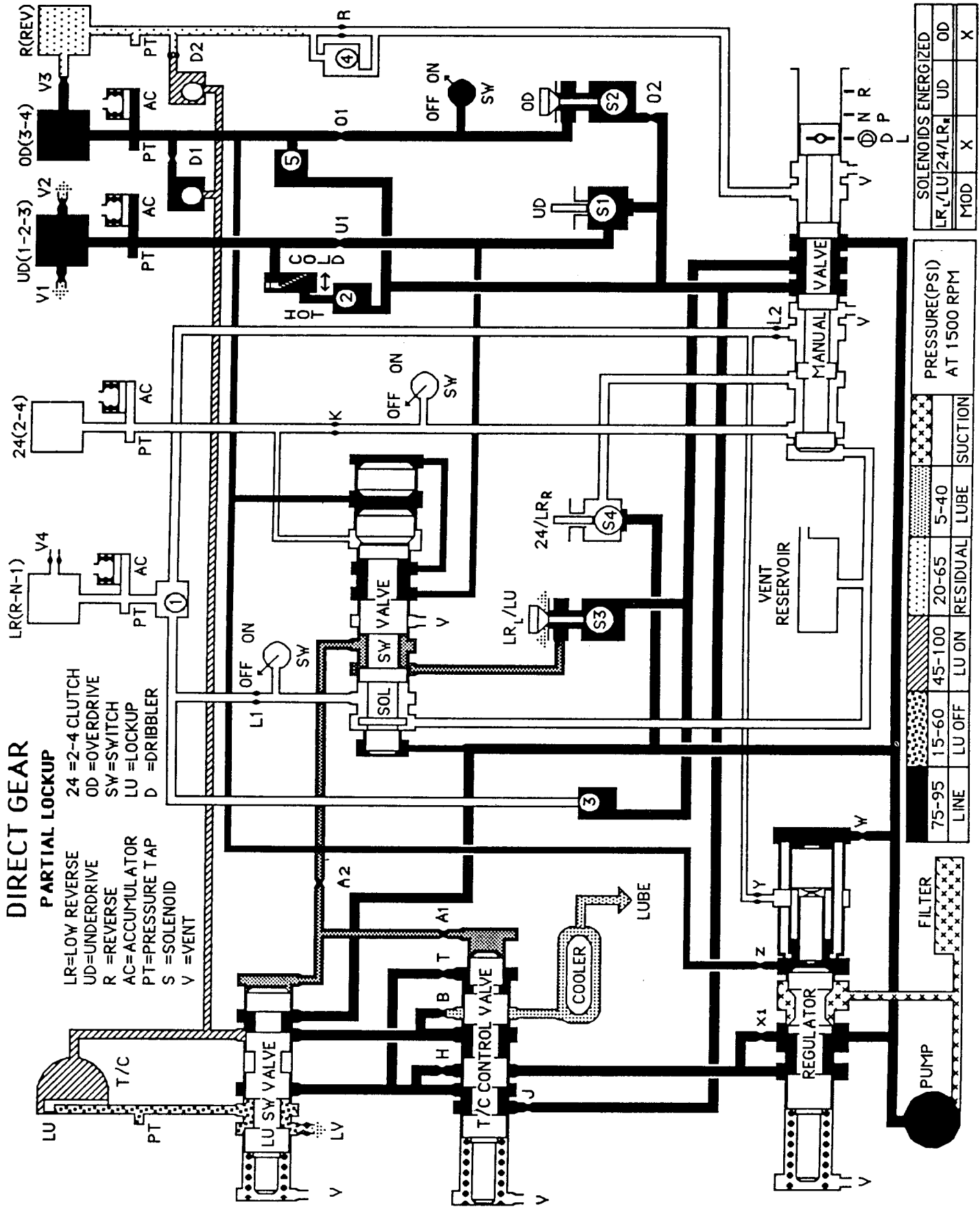
**Fig. 64—Piston Retainer Attaching Screws**

Technical Service Information

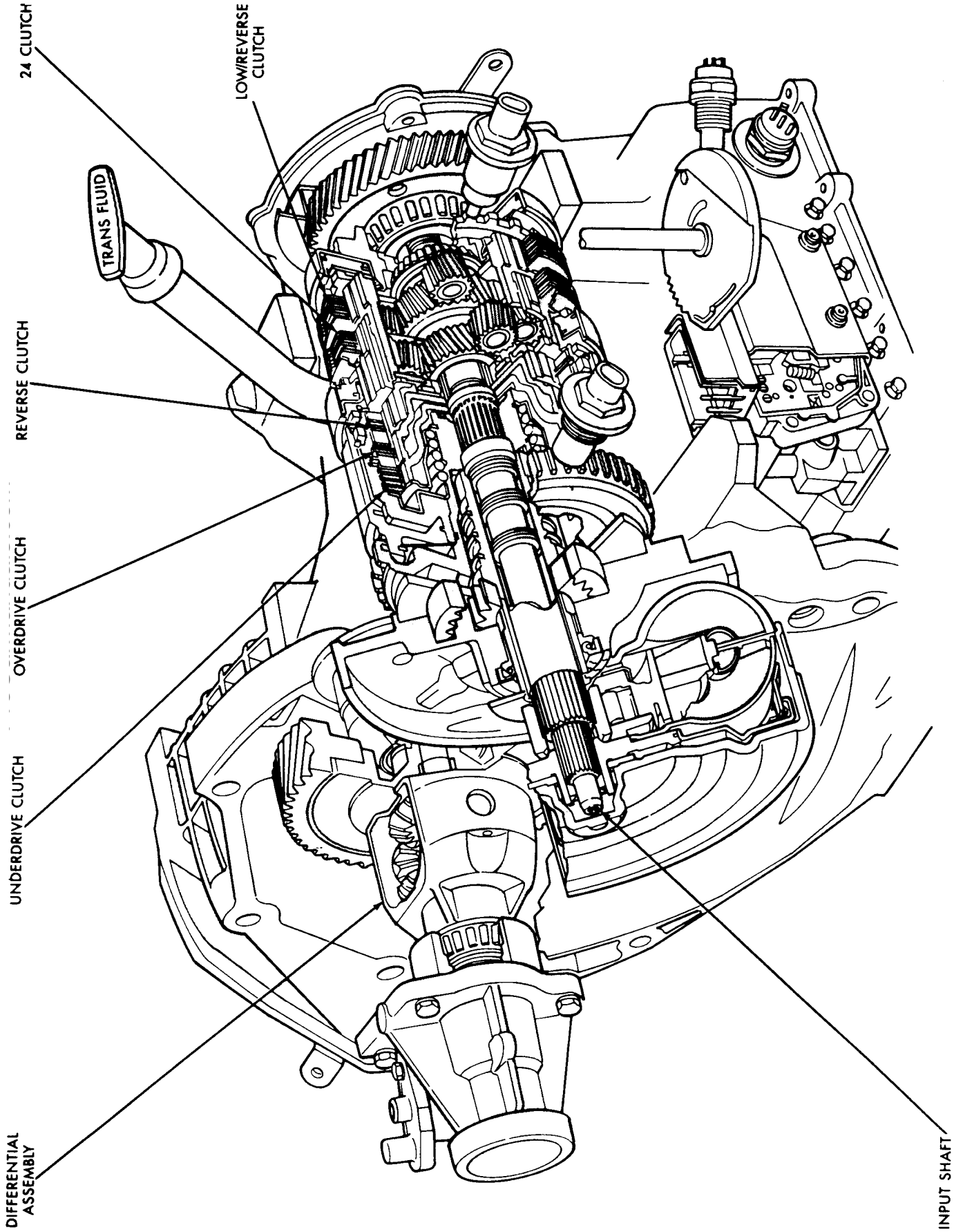




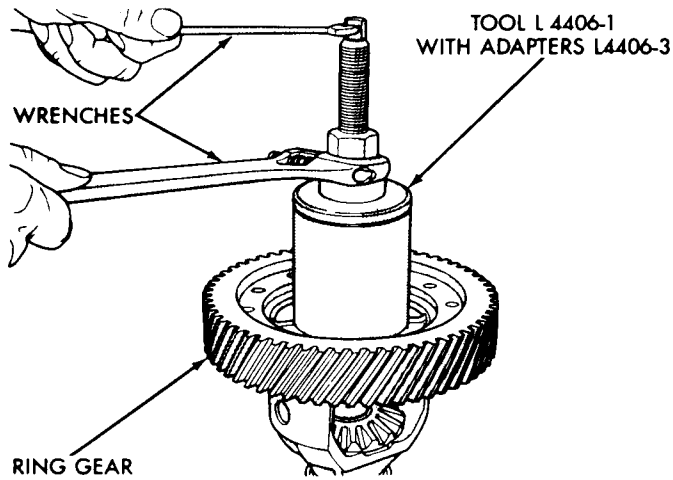
# Technical Service Information



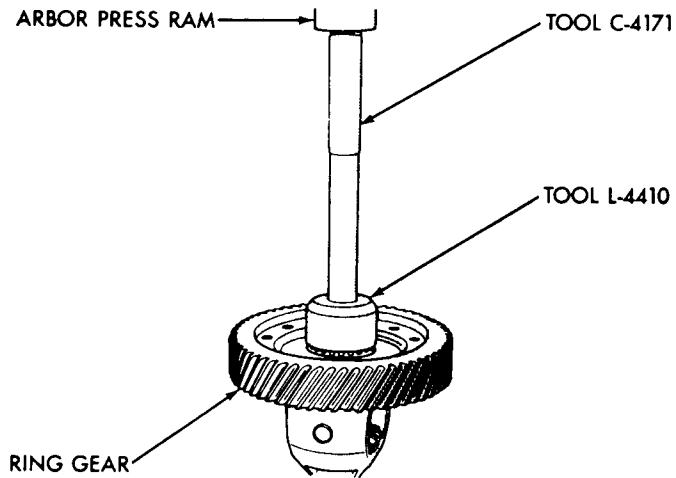
Technical Service Information



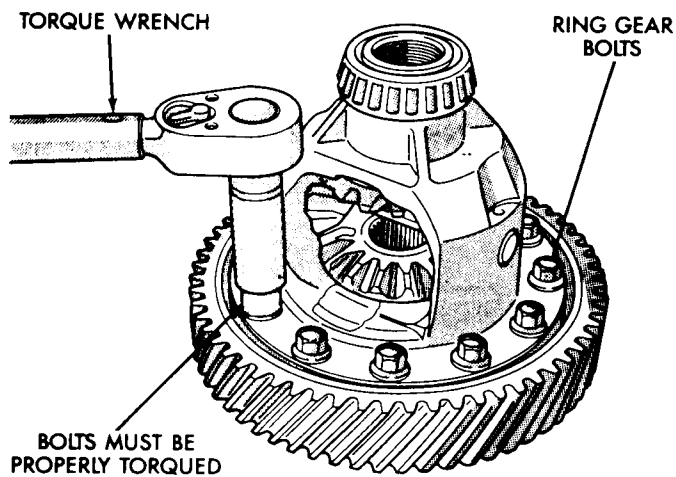
# Technical Service Information



**Fig. 13—Remove Differential Bearing Cone**

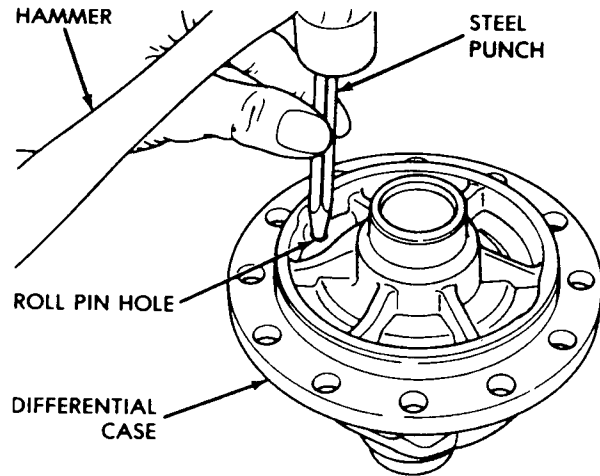


**Fig. 14—Install Differential Bearing Cone**

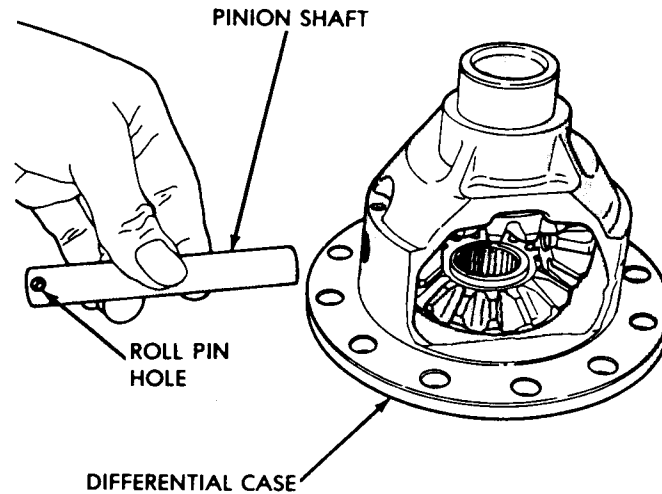


**Fig. 15—Torque New Ring Gear Bolts to 95 N·m (70 Ft. Lbs.)**

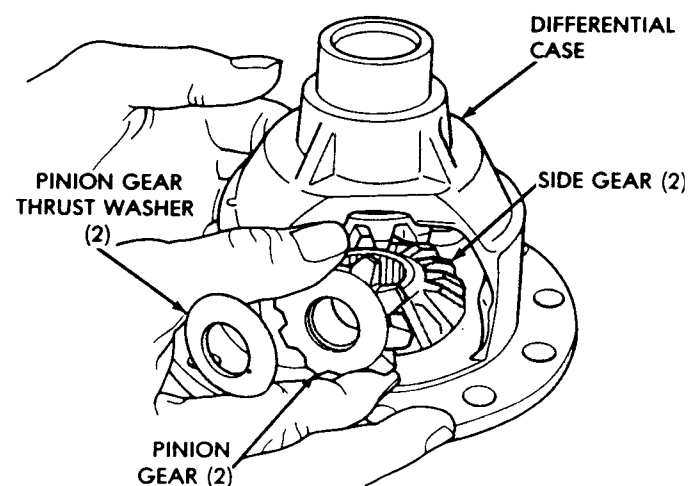
**CAUTION:** Always install NEW ring gear bolts. Bolts must be properly torqued.



**Fig. 16—Remove Pinion Shaft Roll Pin**



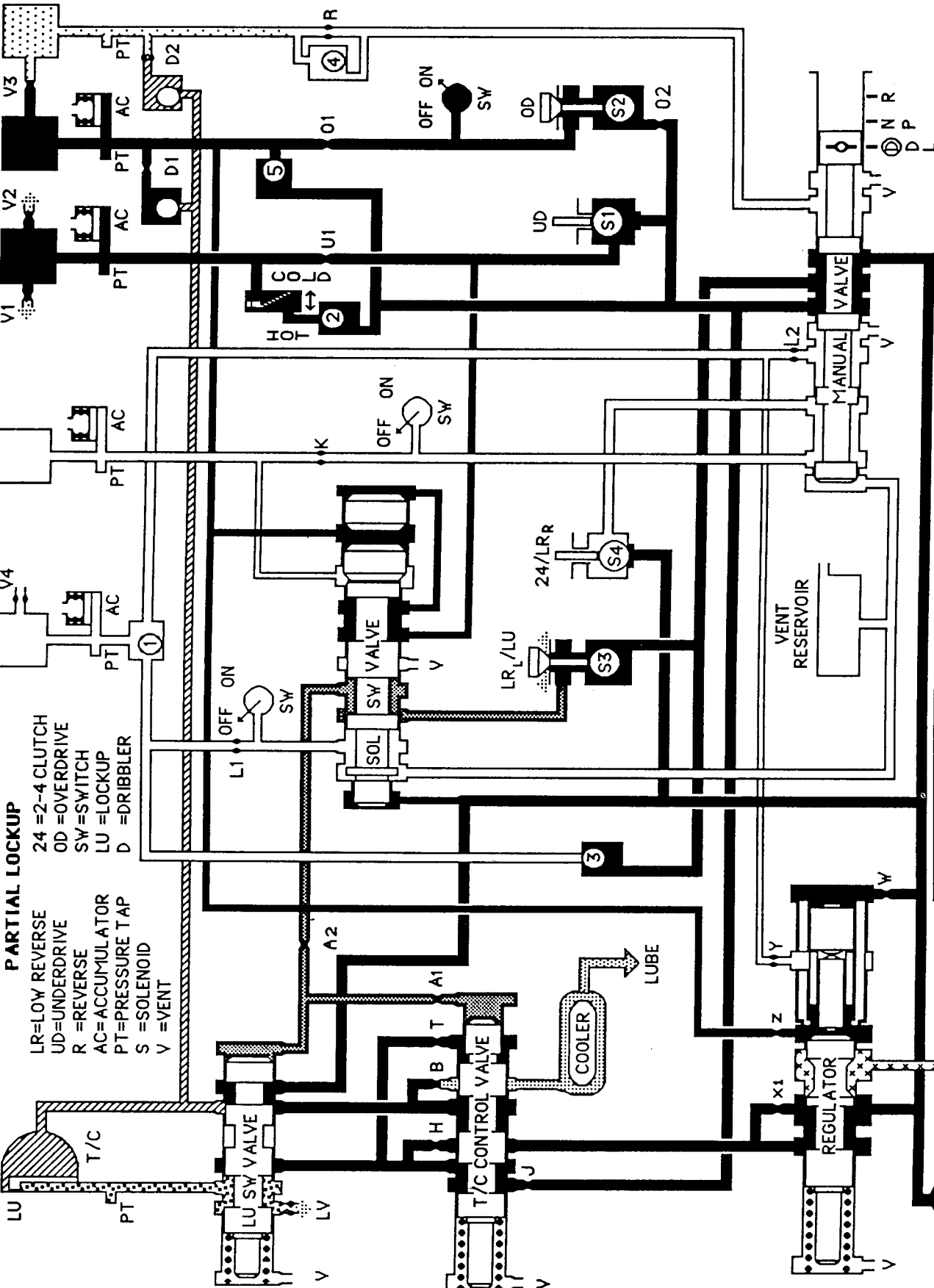
**Fig. 17—Remove or Install Pinion Shaft**



**Fig. 18—Remove or Install Pinion Gears, Side Gears, and Tabbed Thrust Washers, by Rotating Pinion Gears to Opening in Differential Case**

# Technical Service Information

## DIRECT GEAR



- PARTIAL LOCKUP**
- LR=LOW REVERSE
  - UD=UNDERDRIVE
  - R =REVERSE
  - AC=ACCUMULATOR
  - PT=PRESSURE TAP
  - S =SOLENOID
  - V =VENT
- 24 =2-4 CLUTCH**
- OD =OVERDRIVE
  - SW=SWITCH
  - LU =LOCKUP
  - D =DRIBBLER

SOLENOIDS ENERGIZED			
LR <sub>1</sub> /LU <sub>1</sub> /24/LR <sub>2</sub>	UD	OD	X
MOD	X	X	X

PRESSURE (PSI) AT 1500 RPM			
LINE	75-95	15-60	5-40
SUCTION	LU OFF	LU ON	RESIDUAL
LUBE	20-65	5-40	5-40

LINE	75-95	15-60	45-100	20-65	5-40	5-40
SUCTION	LU OFF	LU ON	RESIDUAL	LUBE	LUBE	LUBE

# Technical Service Information

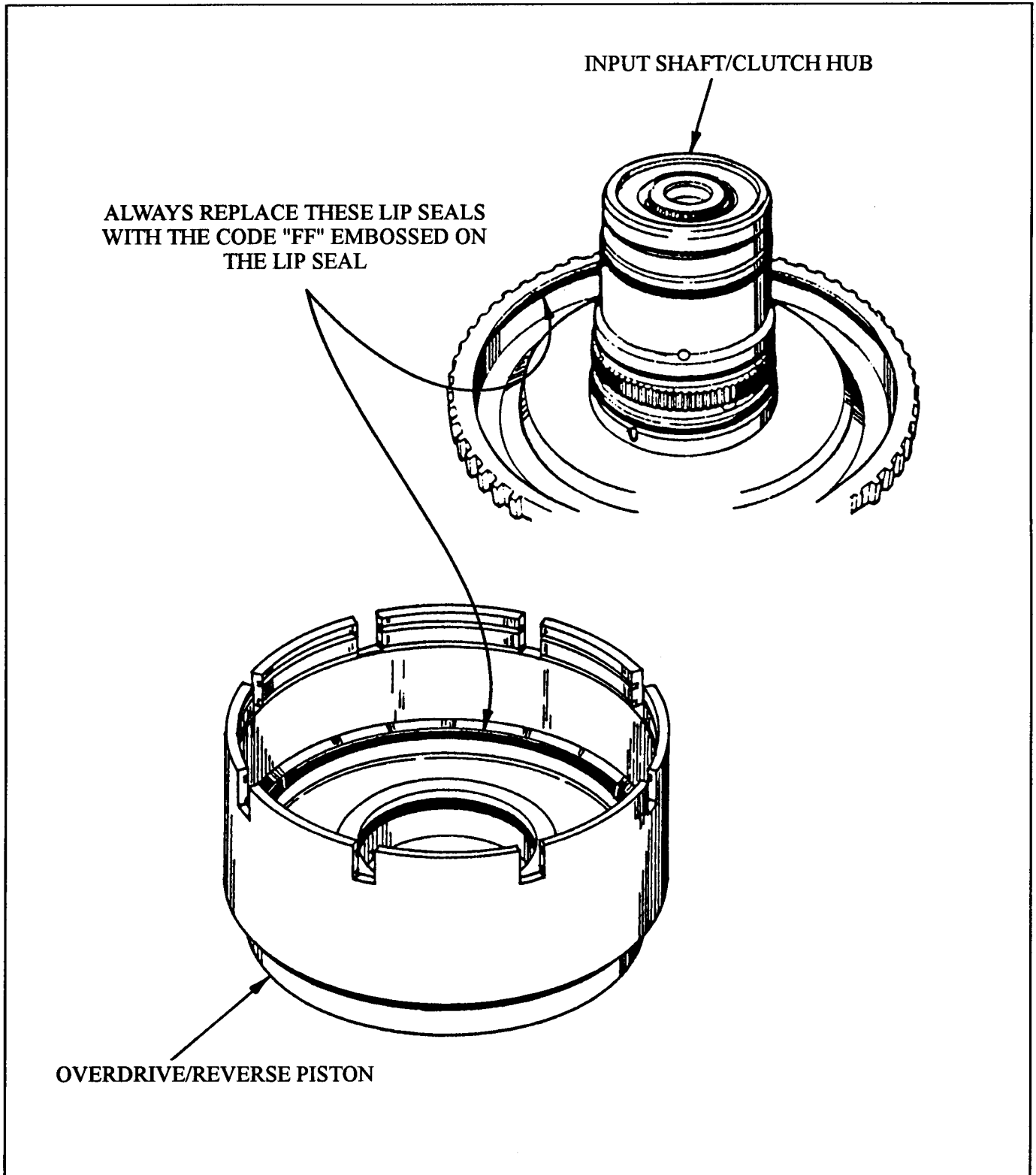
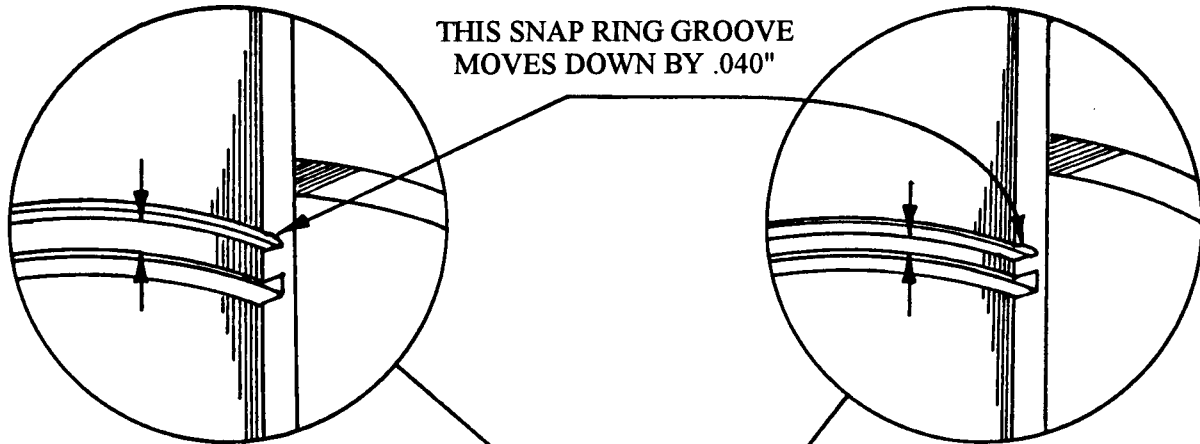


Figure 6

# Technical Service Information

## INPUT CLUTCH RETAINER



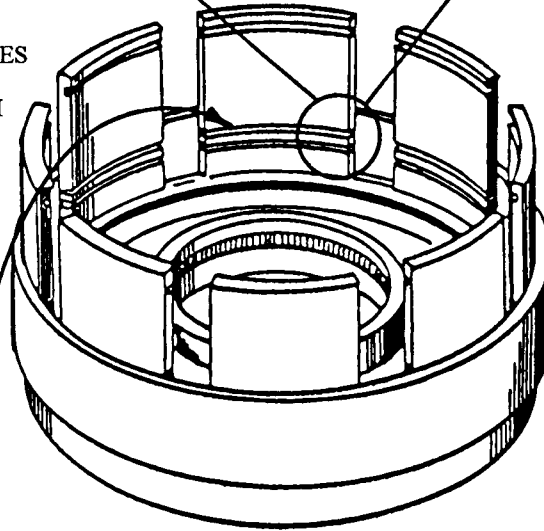
THIS SNAP RING GROOVE  
MOVES DOWN BY .040"

**1989**

.123" OF DRUM MATERIAL  
BETWEEN THE SNAP RING GROOVES  
MEANS THAT THIS IS A 3 OD  
FRICTION INPUT CLUTCH DRUM

**1990 AND UP**

.083" OF DRUM MATERIAL  
BETWEEN THE SNAP RING GROOVES  
MEANS THAT THIS IS A 4 OD  
FRICTION INPUT CLUTCH DRUM



THE UPPER SNAP RING GROOVE WAS MOVED DOWN .040" AS A PART OF A  
DIMENSIONAL CHANGE TO ACCOMMODATE THE EXTRA STEEL AND LINED PLATE

1989 INPUT CLUTCH RETAINER.....	4431609
1990 INPUT CLUTCH RETAINER.....	4505623

Figure 16

*Automatic Transmission Service Group*

# Technical Service Information

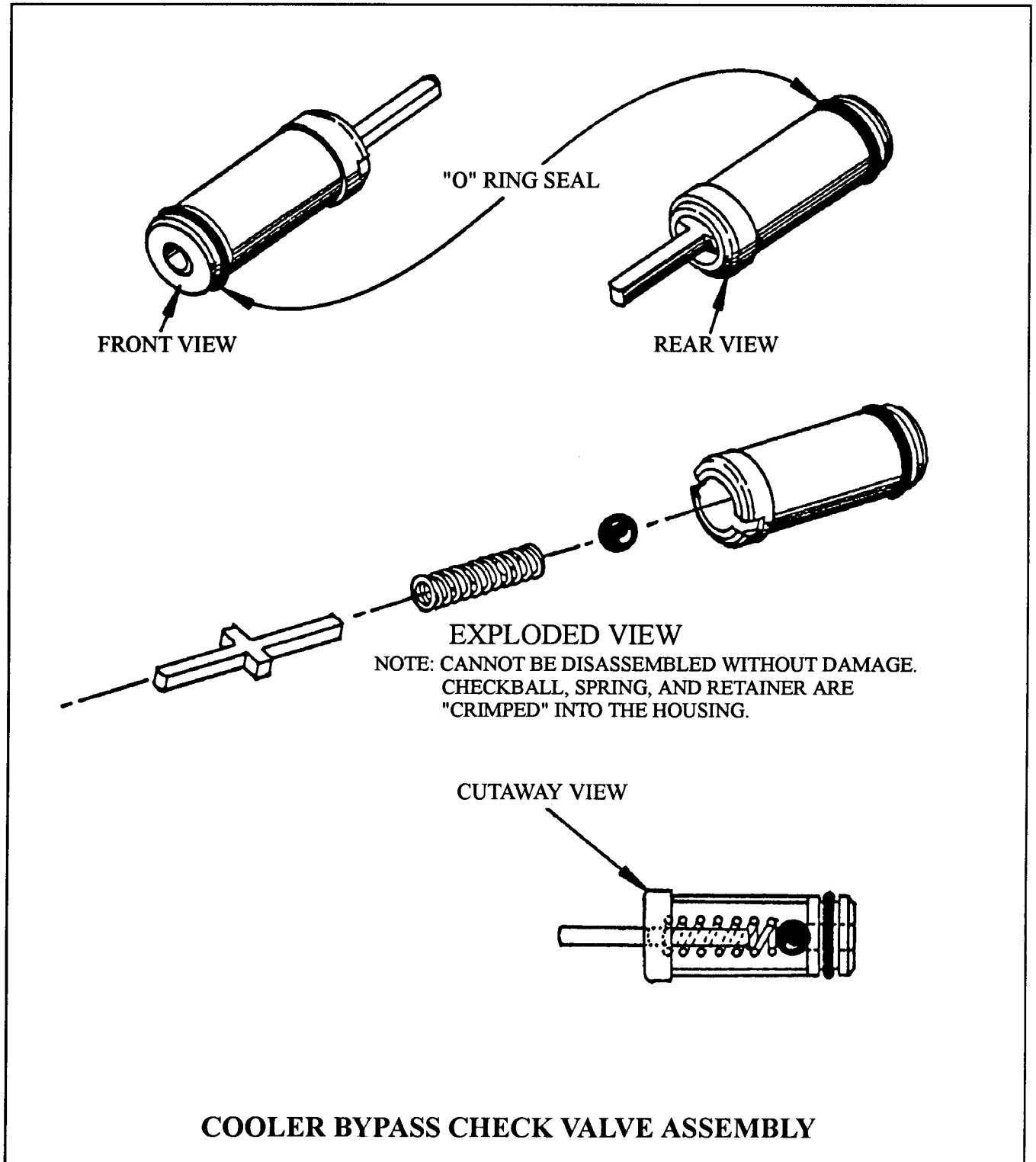


Figure 42