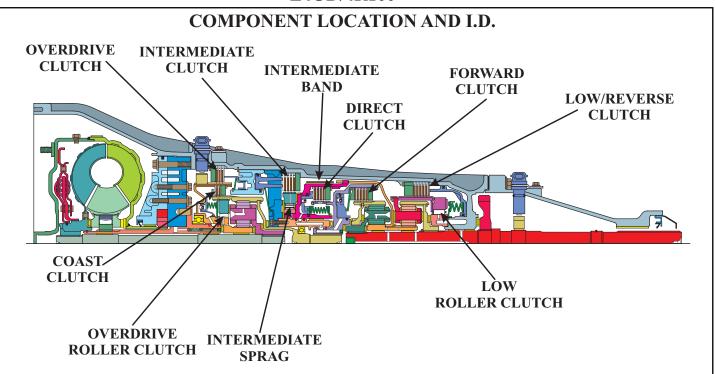




#### E4OD/4R100



COMPONENT AND SOLENOID APPLICATION CHART															
GEAR	Fwd	Int	Dir	O.D.	Cst	Int	L/R	O.D.	Int	Low		SO	LENO		
GEAK	Clut	Clut	Clut	Clut	Clut	Band	Clut	Roller	Sprag	Roller	SS1	SS2	CCS	TCC	EPC
Park/Neut											On	Off	Off	Off	Mod
Reverse			ON		ON		ON	Hold			On	Off	Off	Off	Mod
OD-1st	ON							Hold		Hold	On	Off	*Off	*On	Mod
OD-2nd	ON	ON						Hold	Hold		On	On	*Off	*On	Mod
OD-3rd	ON	ON	ON					Hold			Off	On	*Off	*On	Mod
OD-4th	ON	ON	ON	ON							Off	Off	Off	*On	Mod
OD-3rd**	ON	ON	ON		ON			Hold			Off	On	On	*On	Mod
M-2nd	ON	ON			ON	ON		Hold	Hold		On	On	On	*On	Mod
M-1st	ON				ON		ON	Hold		Hold	On	Off	On	Off	Mod

OD-3rd\*\* = TCS "On" with TCIL illuminated showing "Off"

Mod = Modulating at all times by the PCM and line pressure will be regulated based on throttle position, engine load and vehicle speed.

<sup>\*</sup>On = If the PCM determines that powertrain operating conditions exist for TCC apply, the TCC solenoid may be On (Modulating with PWM TCC units) in any forward gear except Manual 1st.

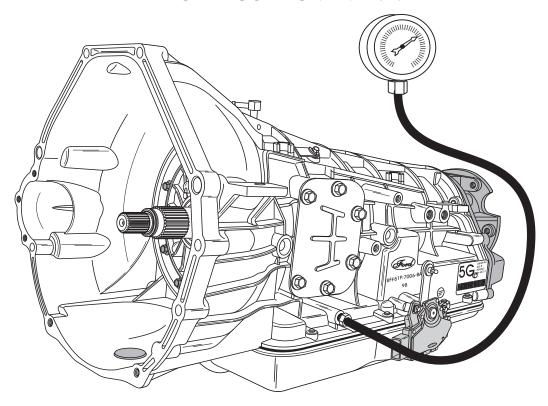
<sup>\*</sup>Off = Will be "On", if the TCS switch is pushed.





### E4OD/4R100

### PORT LOCATION AND I.D.



LINE PRESSURE SPECIFICATION CHART				
Gear	Idle	Stall		
P, N	50-65 psi			
R	70-100 psi	220-240 psi		
OD, M2	50-65 psi	136-156 psi		
M1	70-115 psi	175-210 psi		

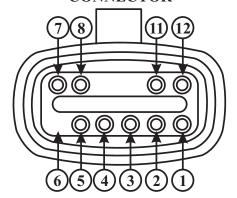




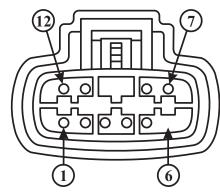
#### E4OD/4R100

### SOLENOID BODY PIN IDENTIFICATION AND FUNCTION

## SOLENOID BODY CONNECTOR







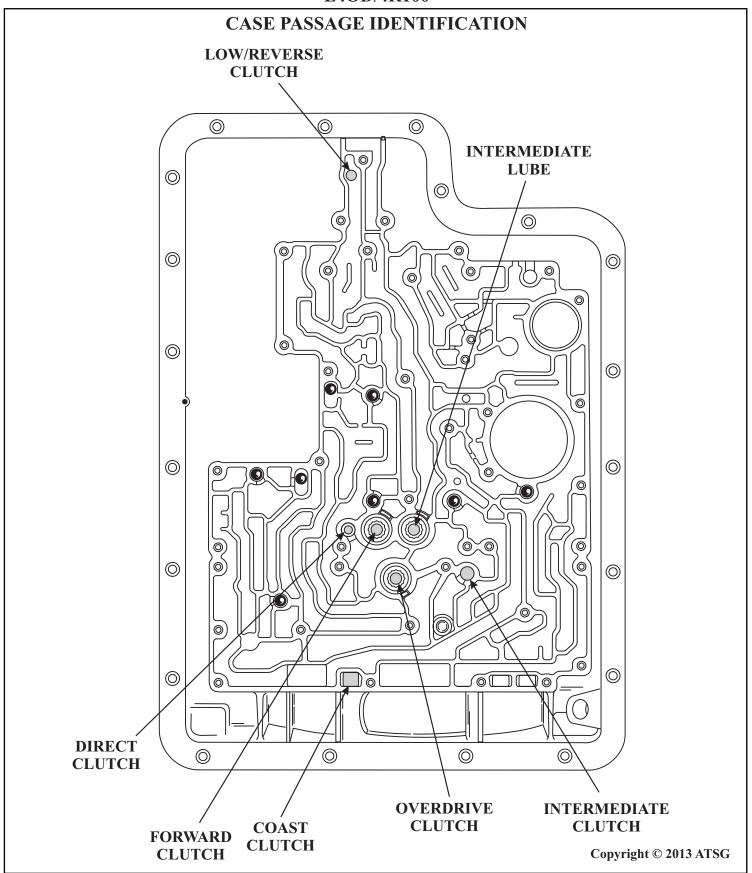
Solenoid Resistance Chart				
Solenoid	Solenoid Body Pin Numbers	Resistance		
Shift Solenoid "B" (2)	1 and 2	20-30 Ohms		
Shift Solenoid "A" (1)	1 and 3	20-30 Ohms		
TCC Solenoid, (On-Off)	1 and 4	20-30 Ohms		
TCC Solenoid, (PWM)	1 and 4	10-20 Ohms		
Coast Clutch Solenoid	1 and 5	20-30 Ohms		
<b>Electronic Pressure Control Solenoid</b>	11 and 12	3.0-5.0 Ohms		
Transmission Fluid Temp Sensor	7 and 8	See Chart Below		

Soleno	Solenoid Connector Pin Identification and Function				
Pin No.	Description				
1	Vehicle Power In For Solenoids (VPWR)				
2	Shift Solenoid "B" (2) Ground from PCM				
3	Shift Solenoid "A" (1) Ground from PCM				
4	Converter Clutch Solenoid Ground from PCM				
5	Coast Clutch Solenoid Ground from PCM				
6	Not Used				
7	Transmission Fluid Temp Sensor				
8	Transmission Fluid Temp Sensor (Signal Return)				
9	Not Used				
10	Not Used				
11	Electronic Pressure Control (EPC)				
12	Vehicle Power In For EPC Solenoid (VPWR)				

Transmission Fluid Temperature				
°C	°F	Resistance		
-40 to -20	-40 to -4	1062k - 284k Ω		
-19 to -1	-3 to 31	<b>284k - 100k</b> Ω		
0 - 20	32-68	100k - 37k Ω		
21-40	69-104	37k - 16k Ω		
41-70	105-158	16k - 5k Ω		
71-90	159-194	5k - 2.7k Ω		
91-110	195-230	2.7k - 1.5k Ω		
111-130	231-266	1.5k - 0.8k Ω		
131-150	267-302	$0.8k$ - $0.54k$ $\Omega$		





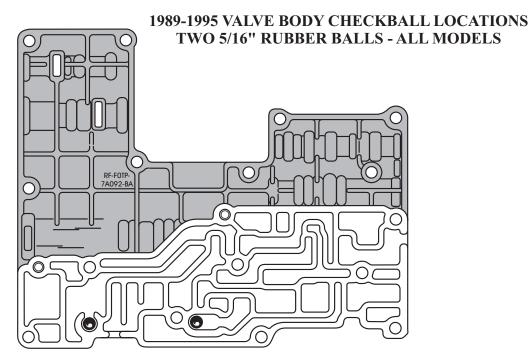






#### E4OD/4R100

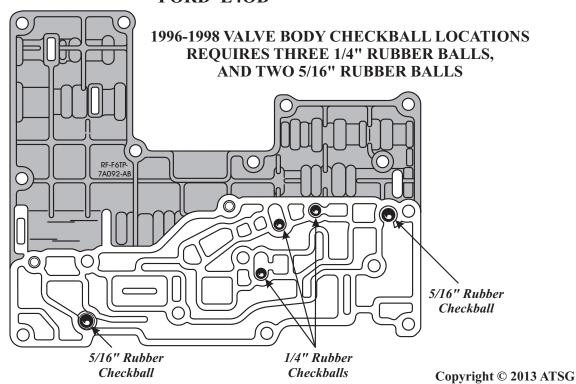
#### **E40D CHECKBALL LOCATION**



#### **SPECIAL NOTE:**

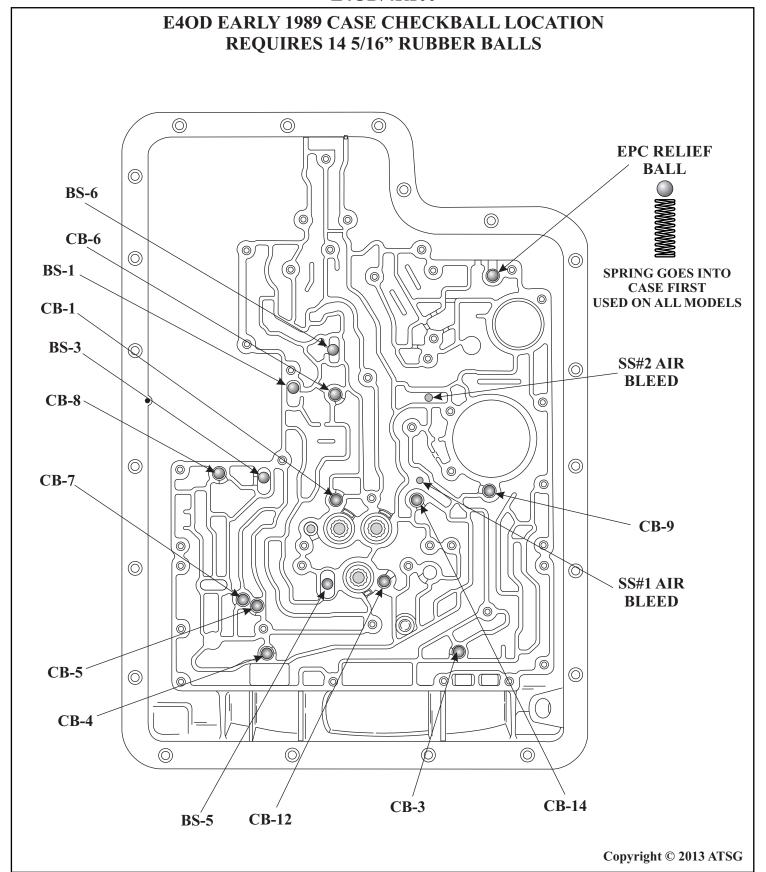
Some 1995 models were built with 1996 production valve body, spacer plate, and valve body gaskets. Be very careful to identify the parts on any 1995 model properly.

### FORD E40D



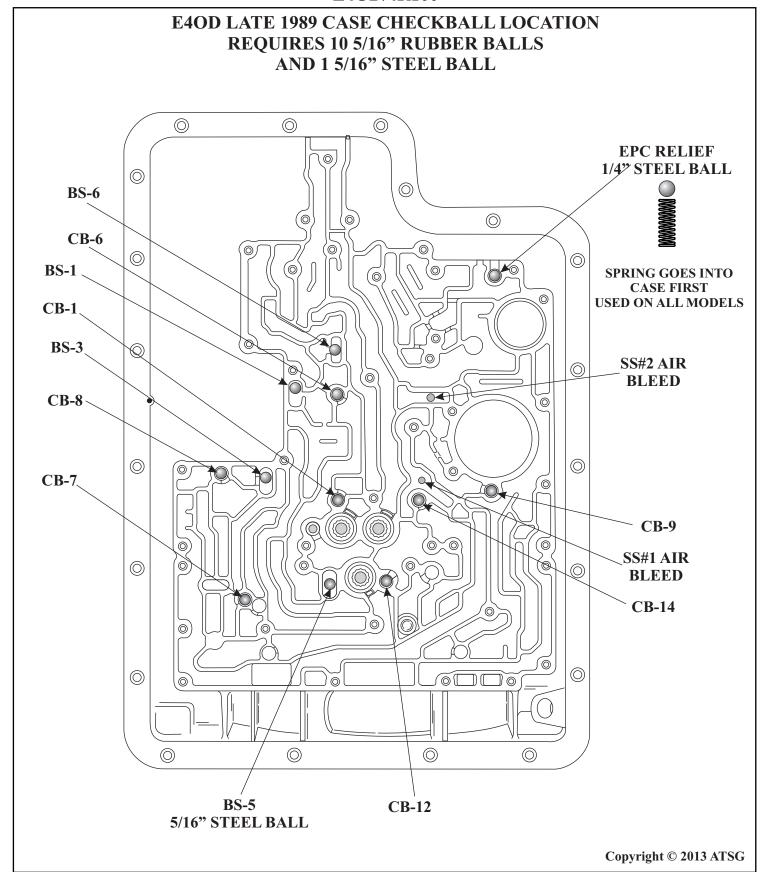






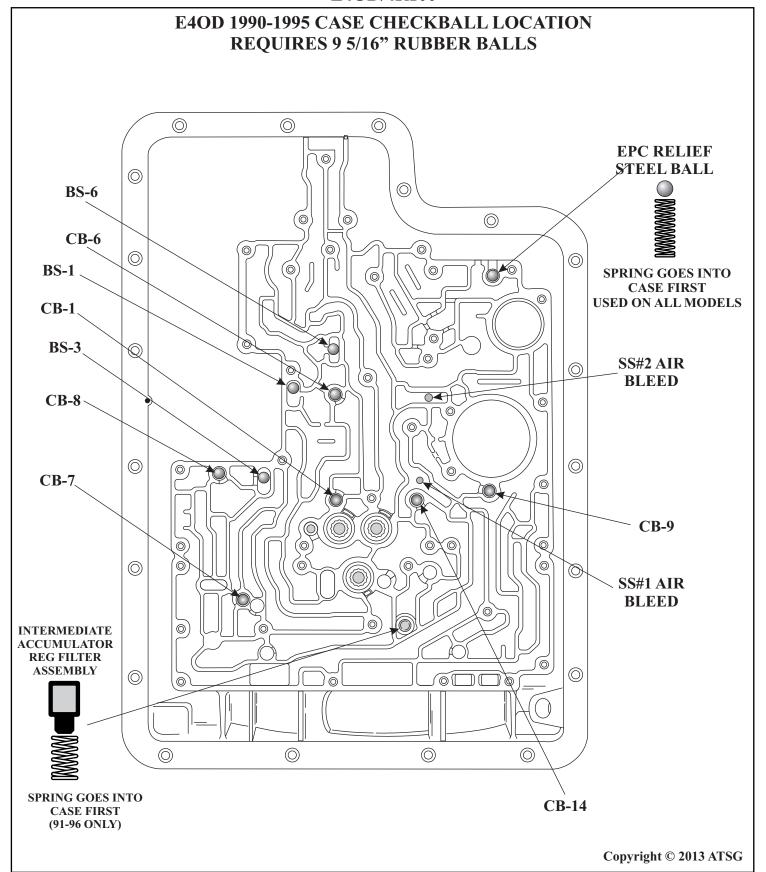






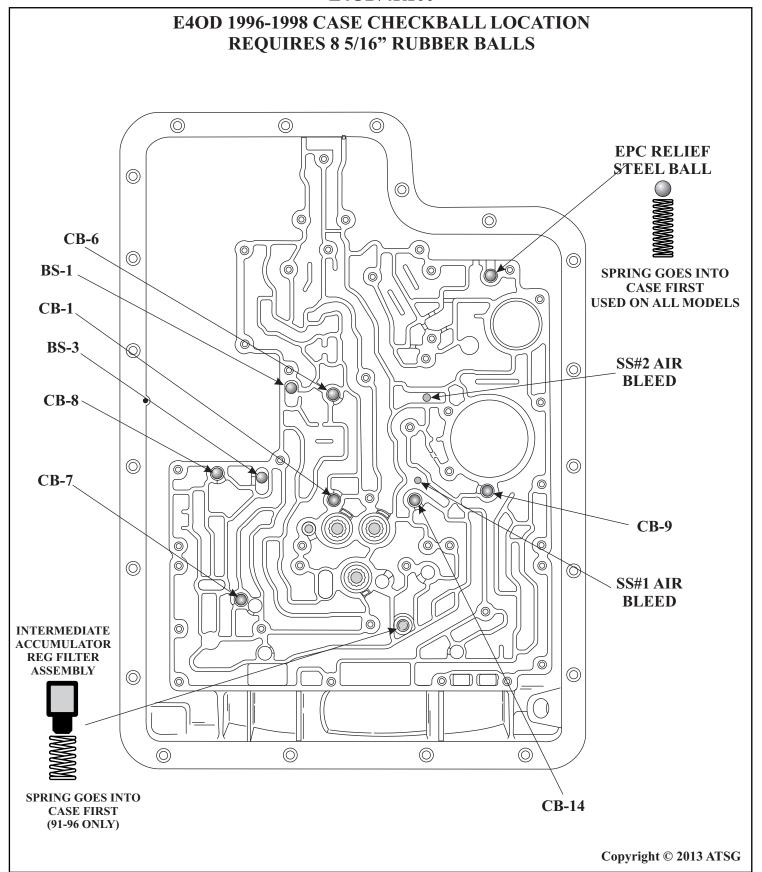






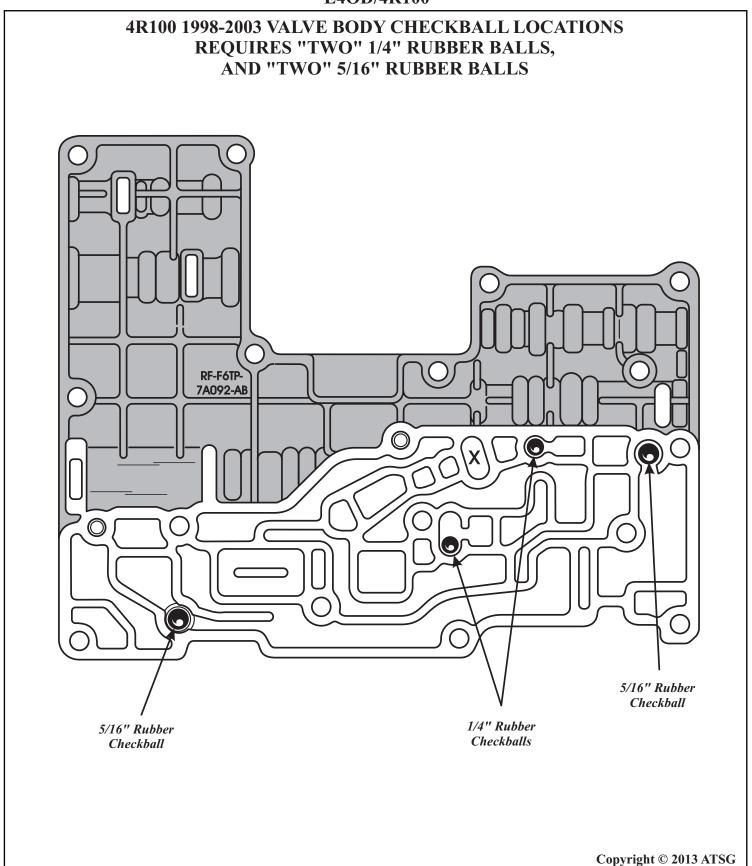






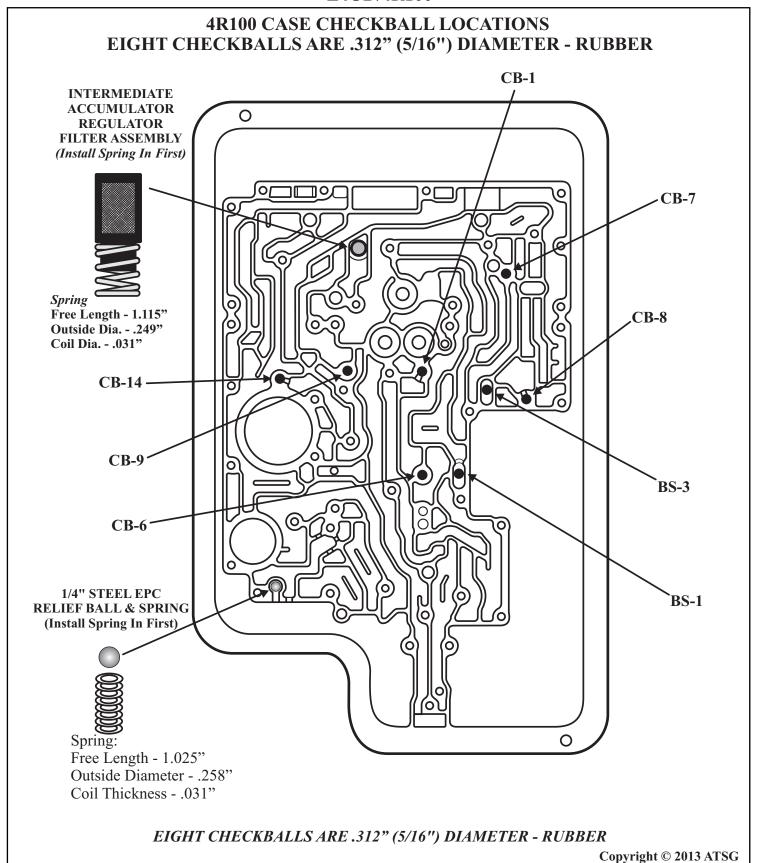














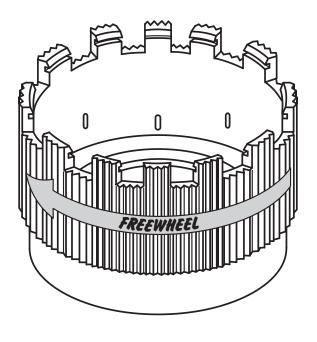


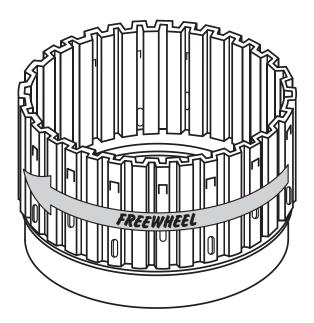


### E4OD/4R100

## THE LOW AND REVERSE CLUTCH HUB MUST FREEWHEEL CLOCKWISE AND LOCK COUNTER CLOCKWISE WHEN INSTALLED IN THE CASE

E40D 1989-1996 LOW/REVERSE HUB 1997 AND LATER E40D AND 4R100 LOW/REVERSE HUB



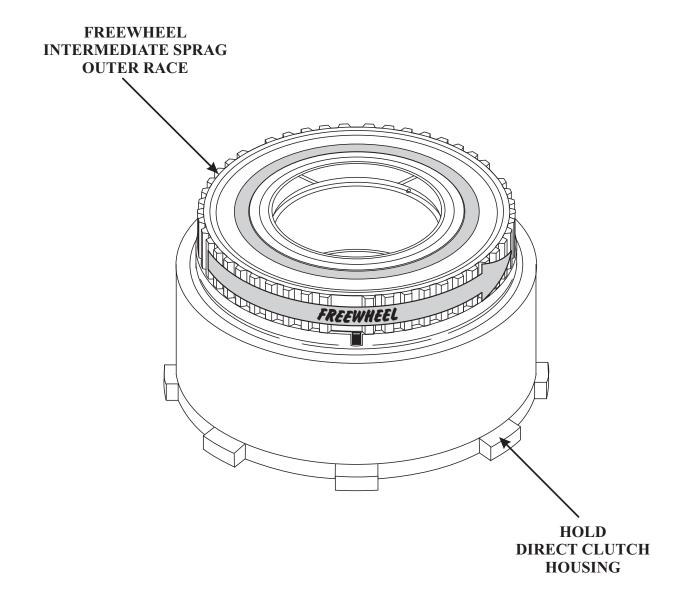






#### E4OD/4R100

# THE INTERMEDIATE OUTER SPRAG RACE MUST FREEWHEEL COUNTERCLOCKWISE AND LOCK CLOCKWISE WHEN HOLDING THE DIRECT CLUTCH DRUM

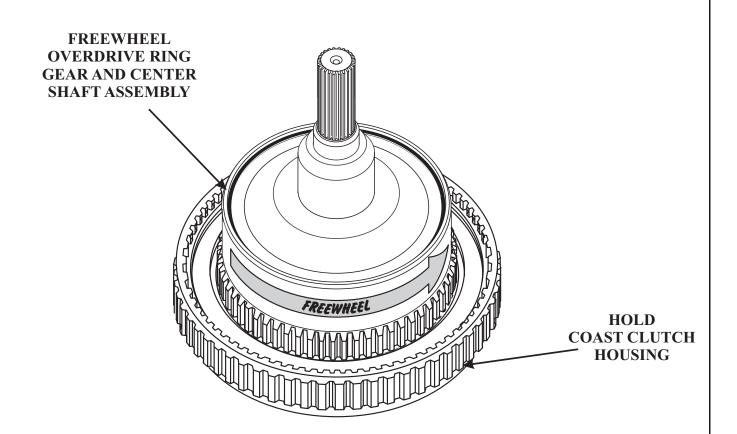






#### E4OD/4R100

# THE OVERDRIVE RING GEAR AND CENTER SHAFT ASSEMBLY MUST FREEWHEEL COUNTER CLOCKWISE AND LOCK CLOCKWISE WHEN HOLDING THE COAST CLUTCH DRUM



#### **FLUID CAPACITY**

REFILL AFTER SERVICE	17 QUARTS
DRY FILL	6.4 QUARTS

#### **GEAR RATIOS**

1ST	2.71
2ND	1.54
3RD	1.00
4TH	0.71
REVERSE	2.18