



# Technical Service Information

## THM 440-T4 3RD CLUTCH LINING CHANGE (UPDATE)

**CHANGE:** Entirely new parking lock and actuator *system*.

**REASON:** To expand model usage that would include vehicles with a heavier Gross Vehicle Weight (GVW).

**PARTS AFFECTED:**

(1) TRANSAXLE CASE - Bore diameter for the actuator guide has been increased by .026", to accommodate the new actuator guide (See Figure 1).

(2) ACTUATOR GUIDE - Outside diameter has been increased by .026" for the increased diameter of the  $\frac{1}{16}$ " on the parking rod. The plunger assembly and spring have been eliminated. The slot in the actuator guide has been eliminated (See Figure 2).

(3) ACTUATOR GUIDE "O" RING - The "O" ring is now larger diameter to seal larger diameter actuator guide (See Figure 2).

(4) PARKING ACTUATOR ROD - The "Bullet" on the park rod is now .070" larger in diameter, and the length increased by .543" (See Figure 3).

(5) PARKING PAWL - The parking pawl lock-out pin has been eliminated, and the dimension (Width) of the parking pawl was reduced by .039" (See Figure 4).

NOTE: Parking pawl is an integral part of final drive ring gear.

**INTERCHANGEABILITY:**

THE NEW PARK LOCK SYSTEM PARTS 'CANNOT' BE USED IN SERVICE PAST MODELS UNLESS ALL THE COMPONENTS ARE REPLACED, INCLUDING THE TRANSAXLE CASE.

**SERVICE INFORMATION:**

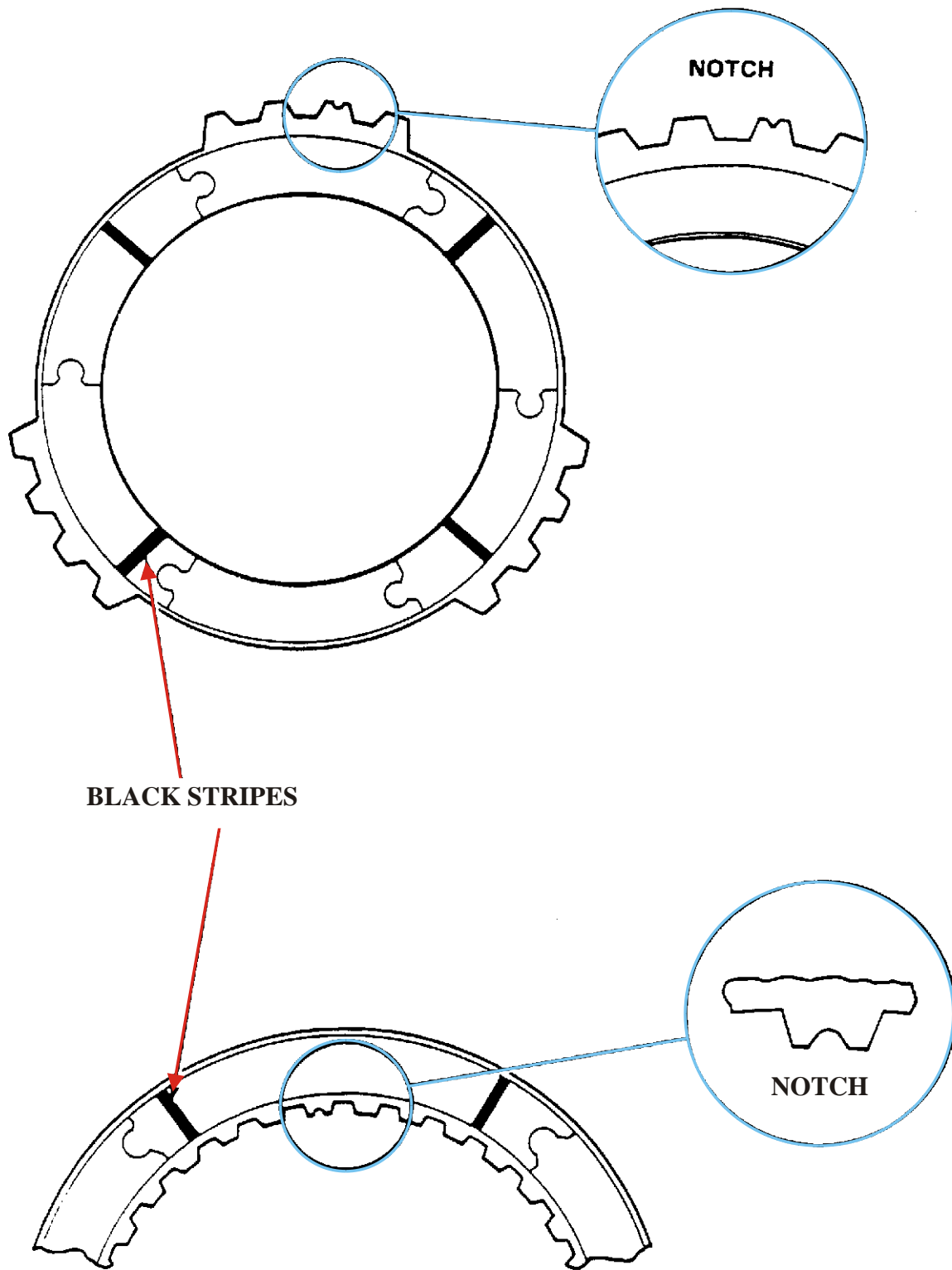
1990 Transaxle Case (All Bcept OLAH) .....	8668985
1990 Transaxle Case (Model OLAH) .....	8668986
1990 Actuator Assembly (All) .....	8675325
1990 Park Rod Assembly (All) .....	8675335
1990 Final Drive Ring Gear (All) .....	8675330



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### SERVICE INFORMATION:

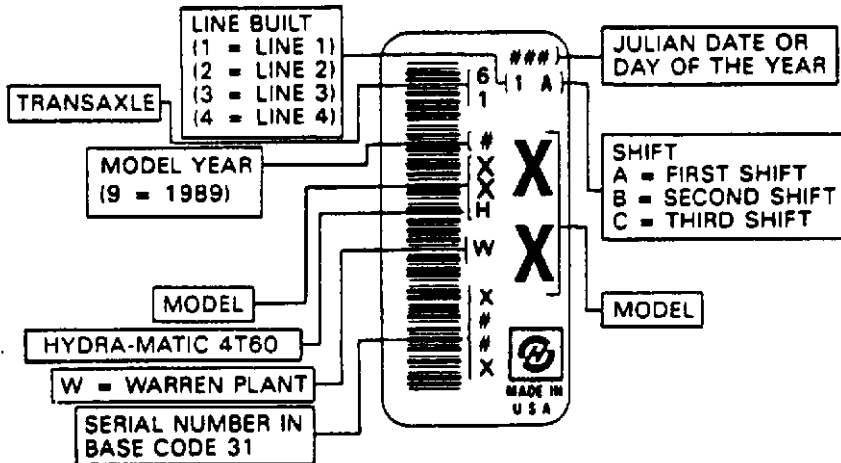
<u>DESCRIPTION</u>	<u>MODELS</u>	<u>PART NO.</u>
1989 Calibration Update Kit	9AAH, 9ABH, 9AFH .....	8675936
1989 Calibration Update Kit	9BAH, 9BDH .....	8675937
1989 Calibration Update Kit	9BFH, 9BMH .....	8675938
1989 Calibration Update Kit	9BHH .....	8675939
1989 Calibration Update Kit	9BJH .....	8675940
1989 Calibration Update Kit	9BPH .....	8675941
1989 Calibration Update Kit	9BWH, 9VXH .....	8675942
1989 Calibration Update Kit	9CDH, 9CLH, 9CZH .....	8675943
1989 Calibration Update Kit	9PAH .....	8675945
1989 Calibration Update Kit	9CPH, 9CYH .....	8675946
1989 Calibration Update Kit	0CHH .....	8675947
1989 Calibration Update Kit	0CJH .....	8675948
3rd Clutch Plate Package (New Black Stripe) .....		8662990
3rd Clutch Plate Package (Previous Models) .....		8662954

**Figure 1**

## FRONT WHEEL DRIVE



TRANSAXLE I.D.  
NAMEPLATE  
LOCATION



OLD MODEL	NEW MODEL	CODES	CODE INFORMATION
AAH	ACH		
ABH	ADH		
AFH	AHH		
(AJH)	(AJH)	(*)	(*) = NO CHANGES (NO NEW 3RD CLUTCH PLATES)
(ANH)	(ANH)	(*)	(O) = EARLY 1990 MODEL
(ATH)	(ATH)	(*)	
(OLAH)	(OLAH)	(*) (O)	
(OLCH)	(OLCH)	(*)	
PAH	PBH		
VXH	VYH		
BAH	WBH		
BDH	WCH		
BFH	WLH		
BMH	WKH		
BHH	WRH		
BJH	WZH		
BPH	WTH		
BWH	WUH		
CDH	YAH		
CLH	YBH		
CPH	YCH		
CYH	YFH		
CZH	YJH		
OCHH	OYKH	(O)	
OCJH	OYLH	(O)	

NOTE: IF THE MODEL CODES CHANGED THEN THE 3RD CLUTCH PLATE ASSEMBLY AND CALIBRATIONS DID ALSO.

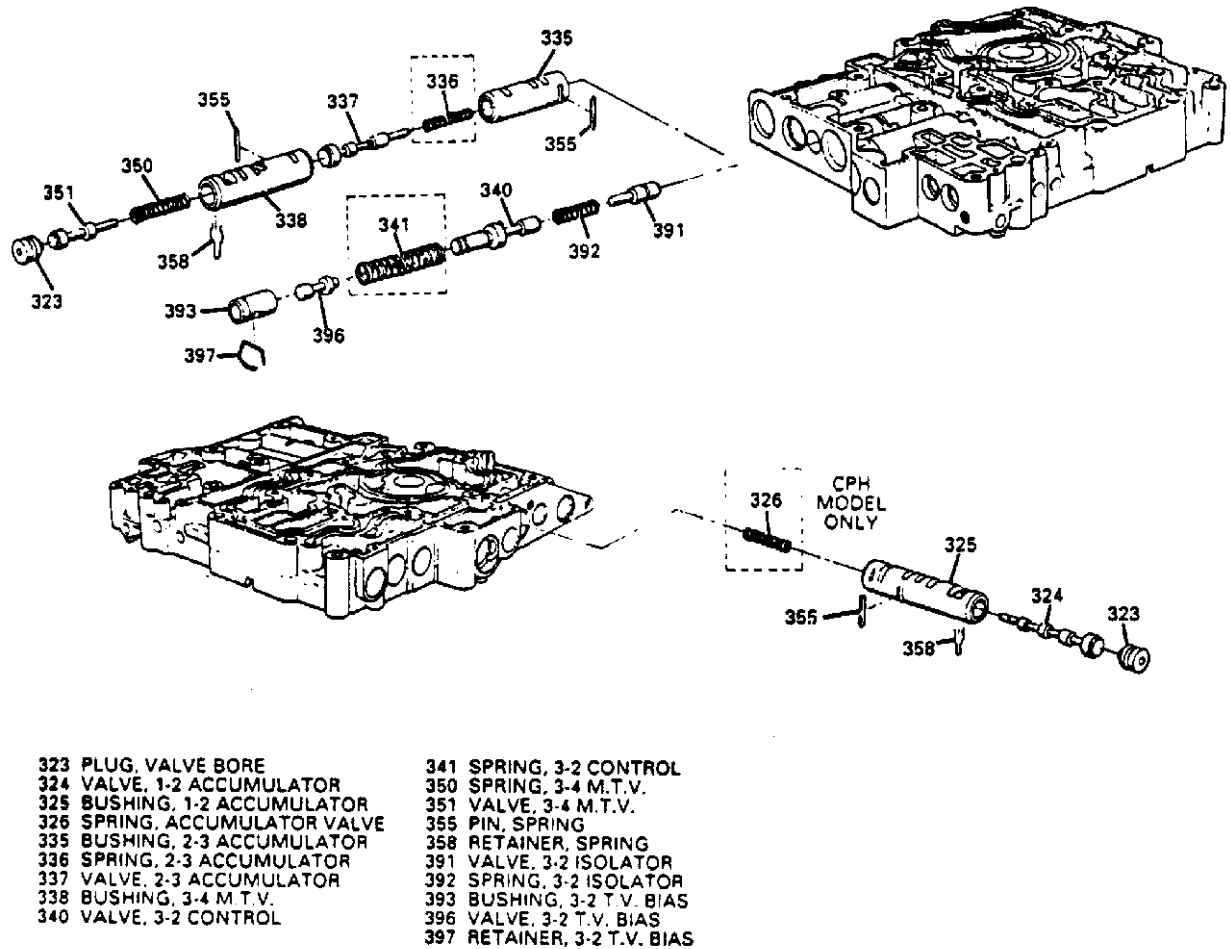
Figure 2



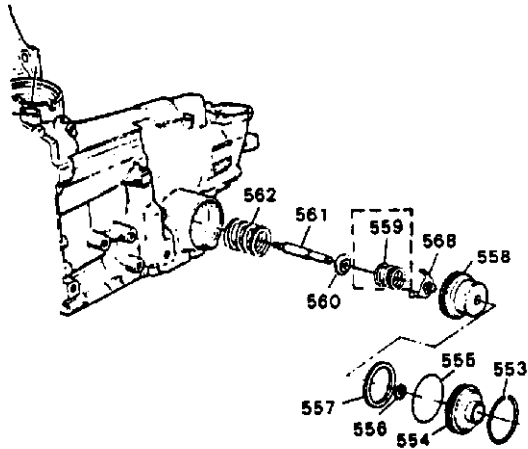
## Technical Service Information

MODELS	VALVE BODY I.D.	MODELS	SPACER PLATE LAST FOUR NUMBERS
AJH	8S-1	AJH	8394
ACH, ADH, AHH	9A-3	ACH, ADH, AHH	5213
ANH, ATH	9B-2	ANH, ATH	8415
WBH, WCH	9D-2	WBH, WCH	5103
WLH, WKH	9E-3	WLH, WKH	5091
WRH	9G-3	WRH	5091
WZH, WUH	9H-3	WZH	5099
		WUH	5087
WTH	9J-3	WTH	5091
YAH, YBH, YJH	9M-2	YAH, YBH, YJH	5089
YCH	9P-2	YCH	5093
PBH	9U-2	PBH	5101
OYKH	OY-1	OYKH	5201
OYLH	OW-1	OYLH	5203
OLAH	OZ-1	OLAH	8874
YFH	9C-0	YFH	8273
The last number of the valve body I.D. can be the same as indicated or higher. The higher number means that it was updated.			

Figure 3

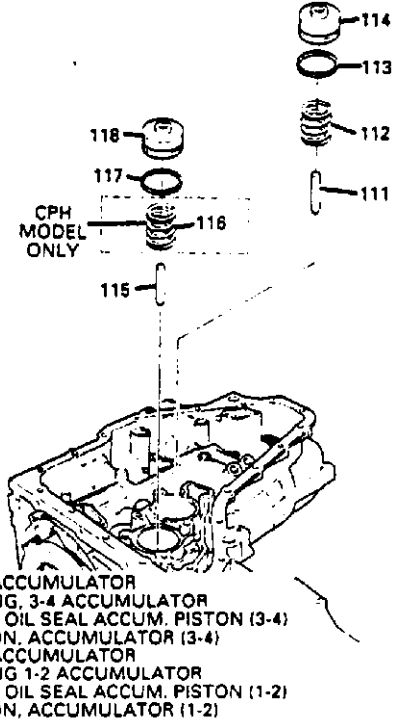


**Figure 4**



- 553 RING, SERVO COVER RETAINING
- 554 COVER, SERVO (1-2)
- 555 SEAL, "O" RING (COVER TO CASE)
- 556 RING, SNAP (BAND APPLY PIN)
- 557 RING, OIL SEAL PISTON
- 558 PISTON, 1-2 SERVO
- 559 SPRING, 1-2 SERVO CUSHION
- 560 RETAINER, SERVO CUSHION SPRING
- 561 PIN, 1-2 BAND APPLY
- 562 SPRING, SERVO RETURN
- 568 RETAINER, SERVO SPRING

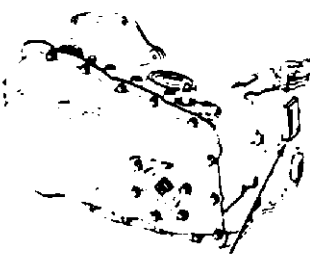
Figure 5




- 111 PIN, ACCUMULATOR
- 112 SPRING, 3-4 ACCUMULATOR
- 113 RING, OIL SEAL ACCUM. PISTON (3-4)
- 114 PISTON, ACCUMULATOR (3-4)
- 115 PIN, ACCUMULATOR
- 116 SPRING 1-2 ACCUMULATOR
- 117 RING, OIL SEAL ACCUM. PISTON (1-2)
- 118 PISTON, ACCUMULATOR (1-2)

Figure 6

**FRONT WHEEL DRIVE**



TRANSAXLE I.D. NAMEPLATE LOCATION



6 1  
# X X H W X # X  
MADE IN U.S.A.

### 1 A

**JULIAN DATE**

CLEAN AREA/PLACE NEW ADHESIVE MODEL TAG HERE

SHOWN	CHANGE TO	SHOWN	CHANGE TO
AAH	ACH	CLH	YBH
ABH	ADH	CPH	YCH
AFH	AHH	CYH	YFH
PAH	PBH	CZH	YJH
VXH	VYH	CHH	YKH
BAH	WBH	CJH	YLH
BDH	WCH		
BFH	WLH		
BMH	WKH		
BHH	WRH		
BJH	WZH		
BPH	WTH		
BWH	WUH		
CDH	YAH		

Figure 7