



Technical Service Information

THM 4L60 (700-R4) REDESIGNED 3-4 CLUTCH PACK

CHANGE: Beginning on January 5, 1993 (Julian Date 005) all THM 4L60 and 4L60-E transmissions were built with a redesigned 3-4 clutch assembly. The 3-4 steel plates were made thicker to dissipate more heat out of the 3-4 clutch pack (See Figure 5).

REASON: Improved 3-4 clutch durability.

PARTS AFFECTED:

- (1) 3-4 CLUTCH APPLY RING - The legs on the apply ring were made shorter to accommodate the thicker 3-4 clutch steel plates. The new design 3-4 clutch apply ring is identified with the number as shown in Figure 1. "7" stamped on one of the legs
- (2) 3-4 CLUTCH RETAINER RING - Eliminated (See Figure 2).
- (3) 3-4 CLUTCH STEPPED APPLY PLATE - Eliminated (See Figure 2).
- (4) 3-4 CLUTCH APPLY PLATE - Eliminated (See Figure 2).
- (5) 3-4 CLUTCH APPLY PLATE NEW - There is now a new design apply plate to replace the three pieces above that were eliminated (See Figure 2). This change was also to accommodate the thicker 3-4 steel plates.
- (6) 3-4 CLUTCH STEEL PLATES - Now made .030" thicker as shown in Figure 3. The previous steel plates were .076" thick, and the new design steel plates are .106" thick (See Figure 3).
- (7) 3-4 SELECTIVE BACKING PLATE - Made thinner to accommodate the thicker 3-4 clutch steel plates. Refer to the chart in Figure 4 for clutch pack travel and the new thickness and identification for each of the new selective plates.

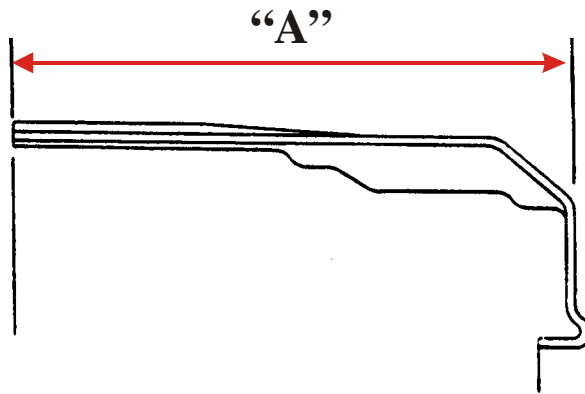
INTERCHANGEABILITY:

- (1) None of the components listed above are compatible with the previous components in the 3-4 clutch pack. (See Figure 5)
- (2) The new 3-4 clutch pack will retro-fit back to all previous models but **MUST** be replaced as a package. Service package part numbers are listed below. There are two different part numbers because the "Lined" plates are included in the service packages and the lined plates are calibration sensitive on the different models.

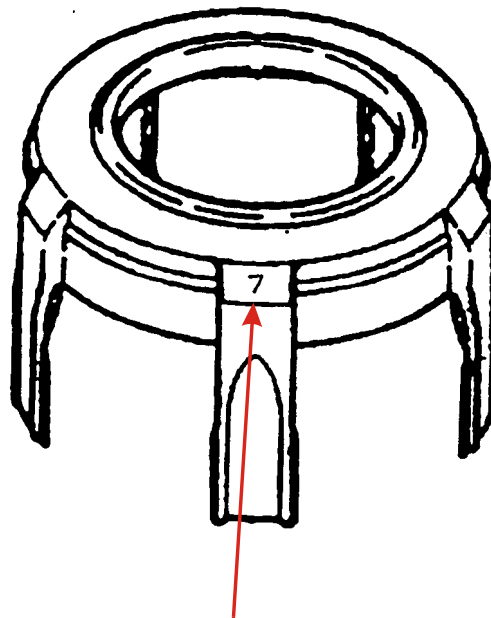
SERVICE INFORMATION:

3-4 Clutch Apply Ring (New Design)	8685043
3-4 Clutch Apply Plate (New Design)	8685044
3-4 Clutch Steel Plates (.106" Thick)	8685045
3-4 Clutch Backing Plate (Selective .227", Stamped "A")	8685046
3-4 Clutch Backing Plate (Selective .192", Stamped "B")	8685047
3-4 Clutch Backing Plate (Selective .157", Stamped "C")	8685048
3-4 Clutch Service Package (1987-1993)	
Includes parts listed above plus friction plates	8690923
3-4 Clutch Service Package (1982-1986)	
Includes parts listed above plus friction plates	8690924

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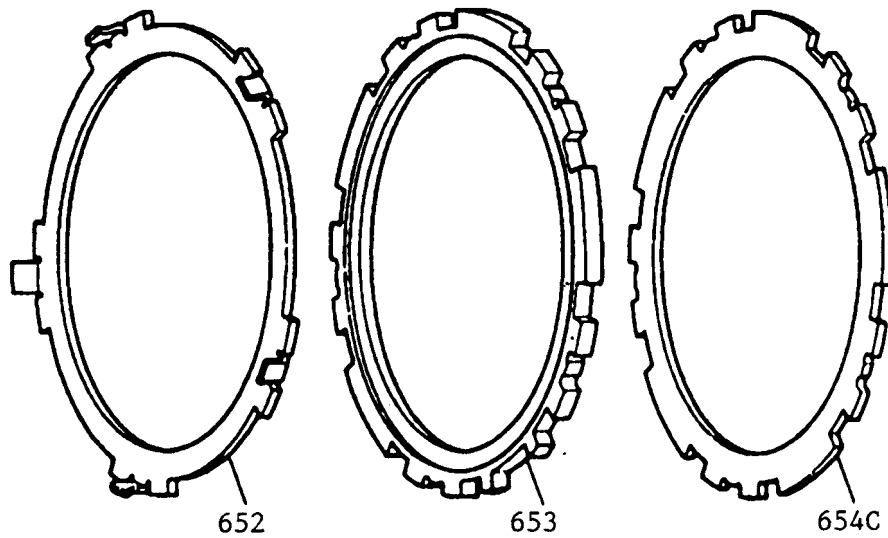


DIMENSION "A" IS 3.671" - 3.682" (93.26mm - 93.52mm)



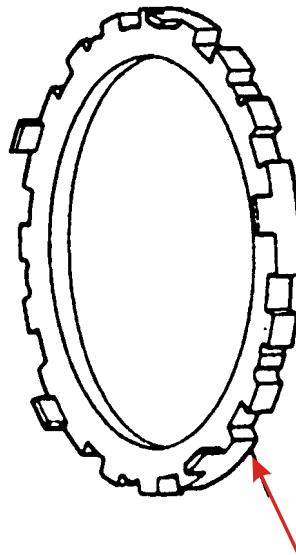
IDENTIFICATION STAMP "7"

Figure 1



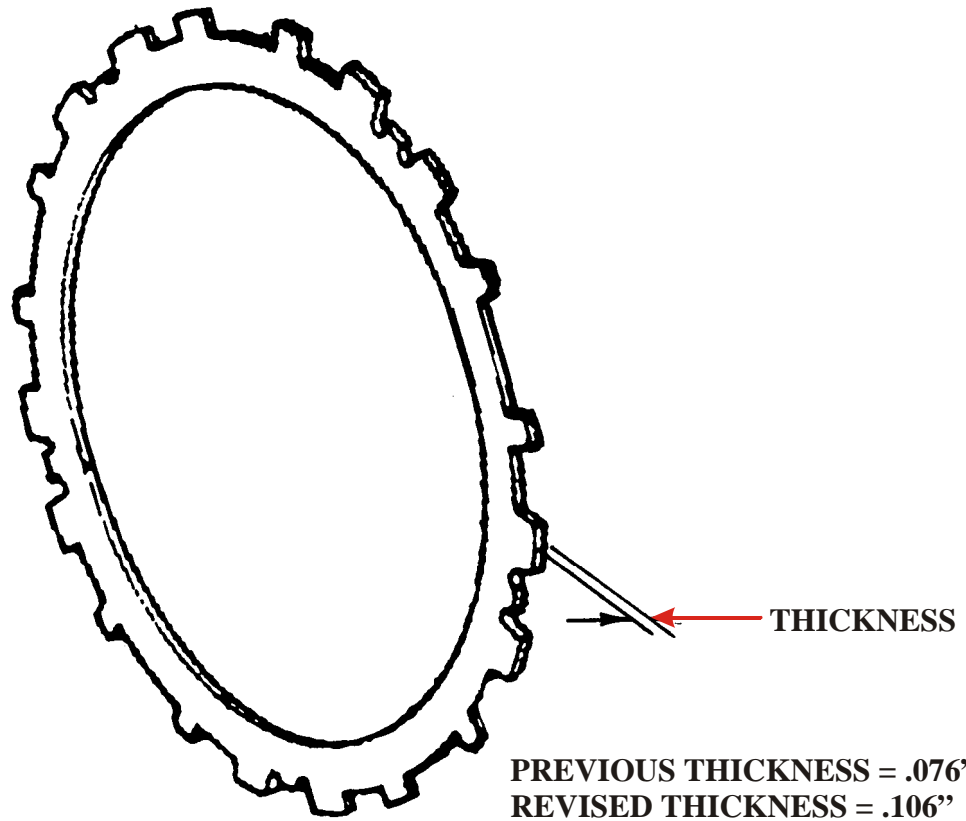
- 652 - CLUTCH RETAINER RING
653 - CLUTCH STEPPED APPLY RING
654C - CLUTCH FLAT APPLY RING

NEW DESIGN APPLY PLATE



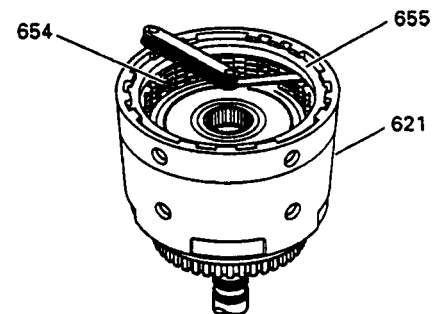
NEW DESIGN APPLY PLATE REPLACES
ALL THREE PIECES ABOVE

Figure 2



4L60

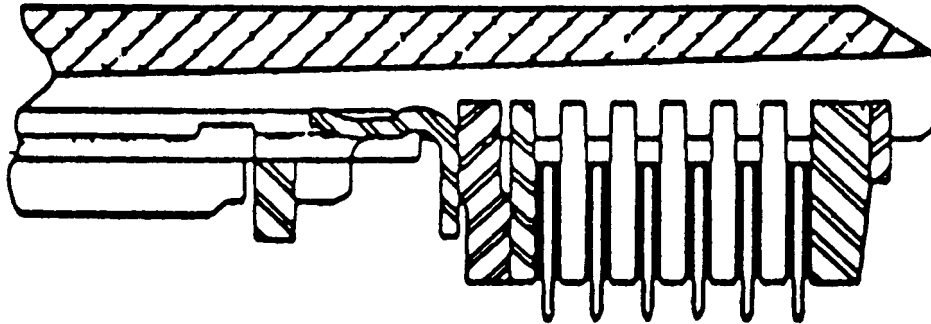
MODEL	BACKING PLATE TRAVEL	*BACKING PLATE	
		Use Backing Plate Which Gives Correct Travel	
		DIM.	I.D.
SAM, SFM	2.14mm - .99mm (.084" - 0.39")	5.88mm - 5.68mm (.231" - .224")	A
		4.99mm - 4.76mm (.196" - .187")	B
ALL OTHERS	2.10mm - .90mm (.083" - .035")	4.10mm - 3.90mm (.161" - .154")	C



621 HOUSING AND SHAFT ASSEMBLY
654 PLATE ASSEMBLY, 3RD AND 4TH CLUTCH
655 PLATE, 3RD AND 4TH CLUTCH BACKING

Figure 3

PREVIOUS 3-4 CLUTCH STACK-UP



NEW 3-4 CLUTCH STACK-UP

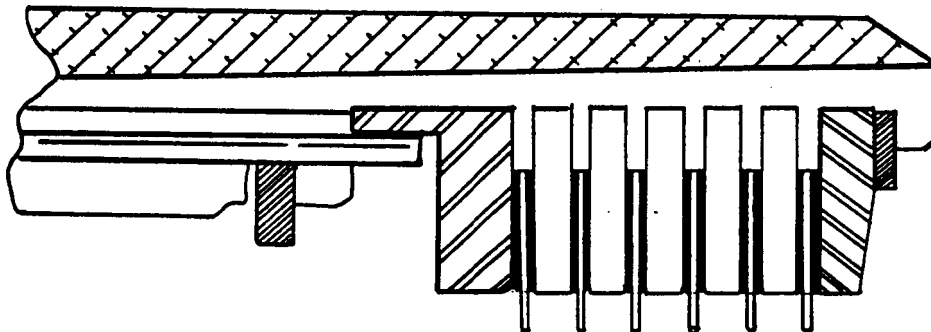


Figure 4