



Technical Service Information

THM 4L65-E (M32) SEVEN CLUTCH 3-4 PACK

CHANGE: Beginning at the start of production for model year 2001, General Motors introduced a new transmission designated THM 4L65-E (M32) with many engineering changes. Currently this unit is found in all 2001 Cadillac Escalade and any vehicle with 6.0L engine or larger, that was previously equipped with the THM 4L60-E transmission. One of the changes includes adding a seventh lined plate to the 3-4 clutch pack, as shown in Figure 1, with no dimensional changes to the input housing. There is a "Kitted" Service Package available from OEM under part number 24220129, as shown in Figure 2.

REASON: New generation of higher horsepower engines and increased durability and reliability.

PARTS AFFECTED:

- (1) 3-4 CLUTCH APPLY PLATE - Required dimensional changes to accommodate the added friction and steel plate. The new design level is .218" thick and the previous design level thickness is .224", as shown in Figure 3.
- (2) 3-4 CLUTCH BACKING PLATE - Required dimensional changes to accommodate the added friction and steel plate, and to achieve the proper 3-4 clutch clearance. There are four new thickness backing plates and one of the previous backing plates, to ensure proper 3-4 clutch clearance, which should be .070" - .080". Part numbers and thickness are shown in Figure 4.
- (3) 3-4 CLUTCH FRICTION PLATE - Required dimensional changes to accommodate the added friction and steel plate. The new design level friction plate is .065" thick and the previous design level thickness is .082", as shown in Figure 5.
- (4) 3-4 CLUTCH STEEL PLATE - Required dimensional changes to accommodate the added friction and steel plate. The new design level steel plate is .097" thick and the previous design level thickness is .106", as shown in Figure 5.

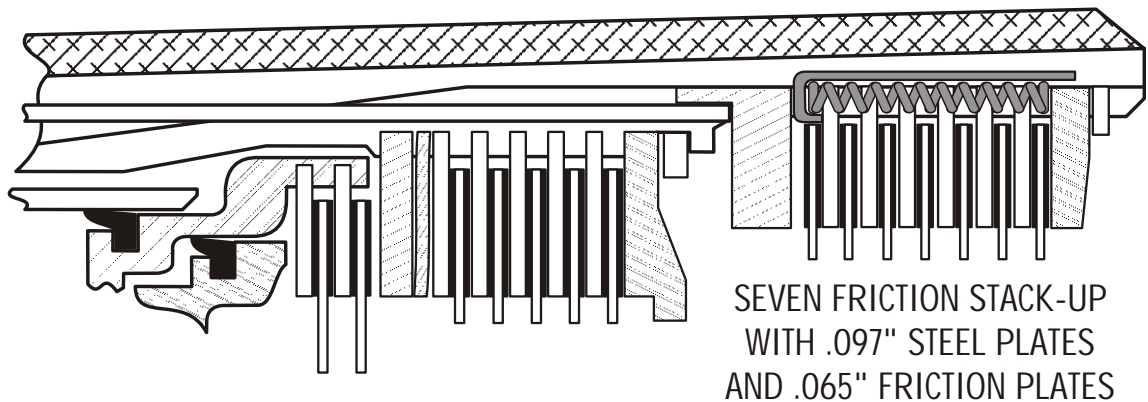
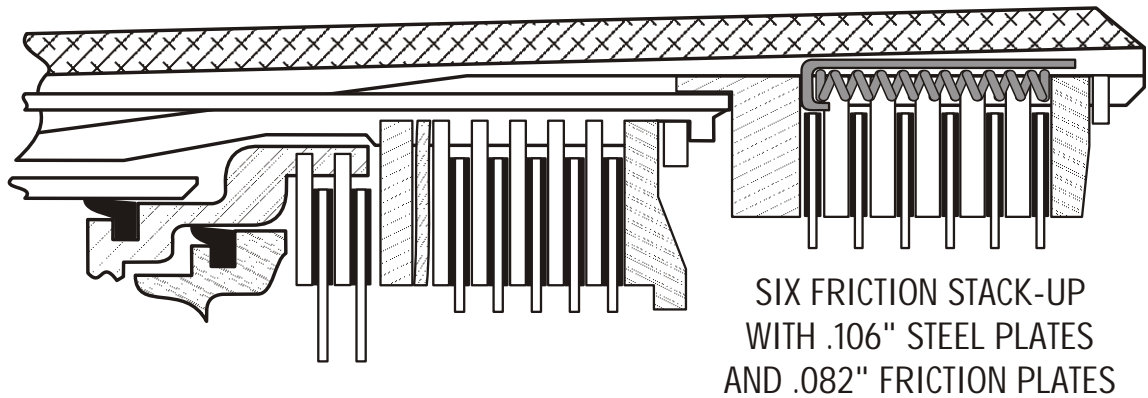
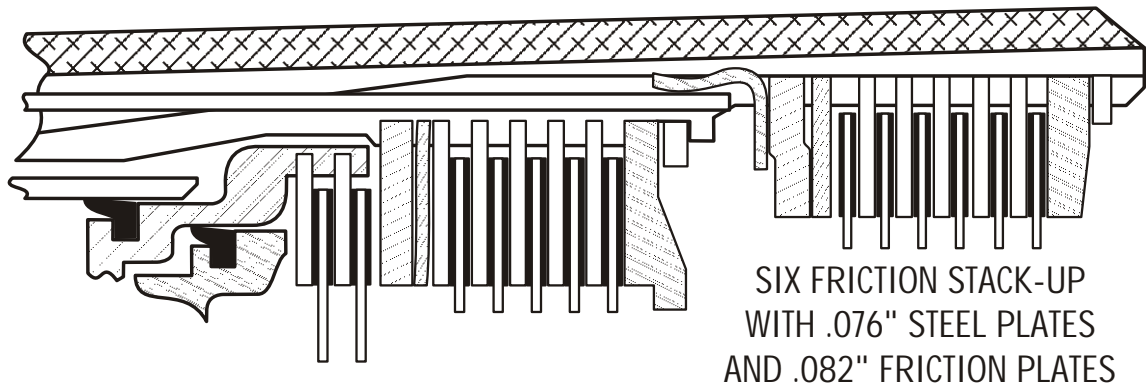
INTERCHANGEABILITY:

All of the new design parts listed above ***will retro-fit back*** to 1993 models, when used as a service package.

SERVICE INFORMATION:

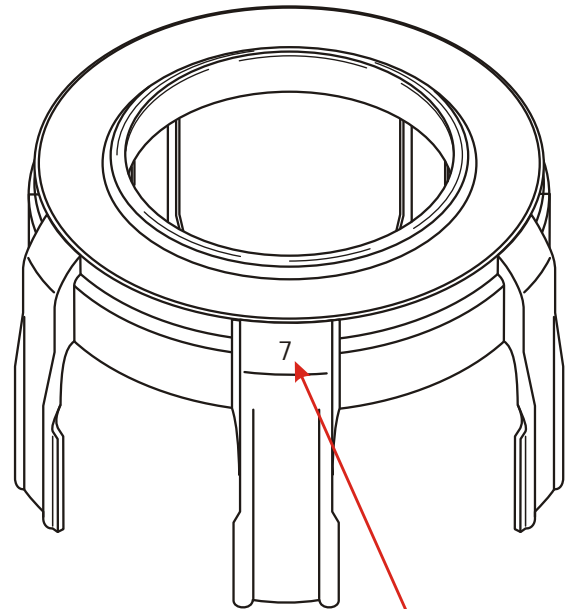
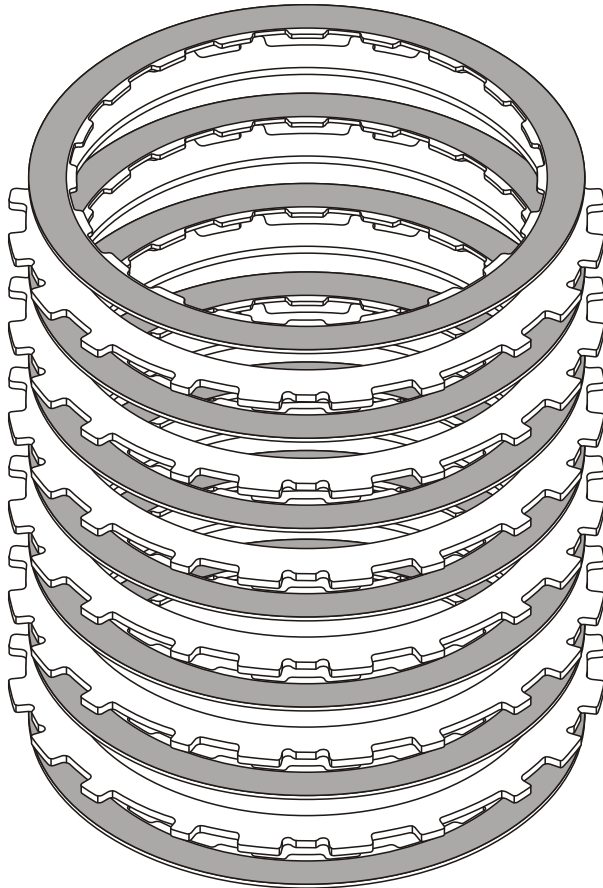
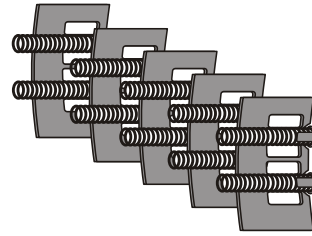
3-4 Clutch Plates, "Kitted" (New Design)	24220129
3-4 Clutch Backing Plate (.144" Thick)	24217450
3-4 Clutch Backing Plate (.165" Thick)	24217453
3-4 Clutch Backing Plate (.194" Thick)	24212460
3-4 Clutch Backing Plate (.219" Thick)	24217516
3-4 Clutch Backing Plate (.241" Thick)	24217517

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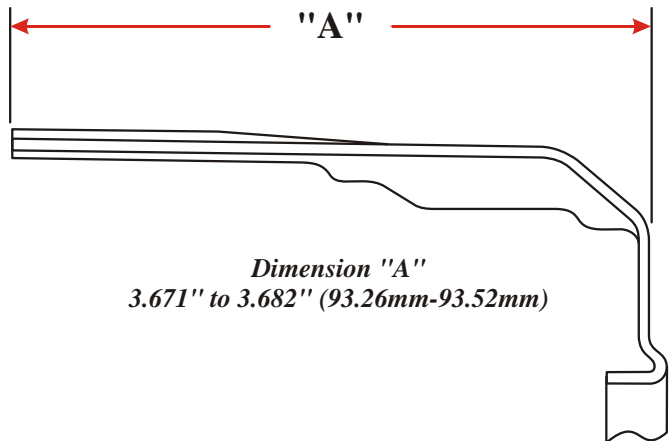
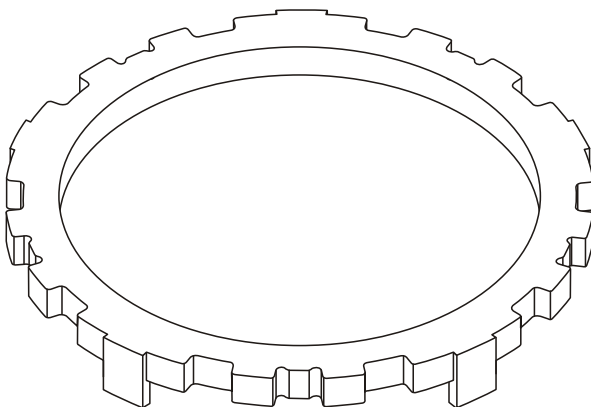


CONTENTS OF SERVICE PACKAGE PART NUMBER 24220129

- 7 *.065" Thick High Energy Friction Plates*
- 6 *.097" Thick Steel Plates*
- 1 *.218" Thick 3-4 Apply Plate*
- 1 *3-4 Apply Ring (Same As Previous, Stamped "7")*
- 5 *3-4 Load Release Springs (Same As Previous)*



Identification, Stamped "7"

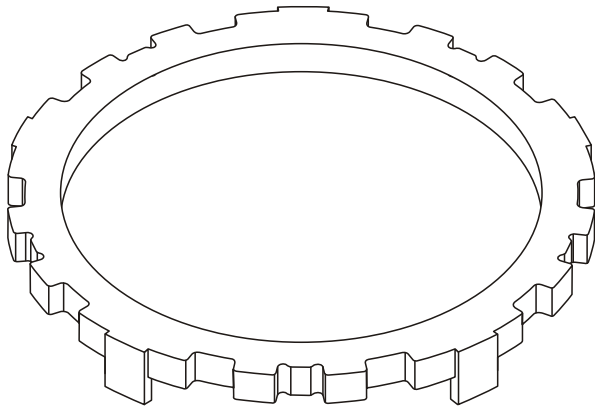


Dimension "A"
3.671" to 3.682" (93.26mm-93.52mm)

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Figure 2

3-4 CLUTCH APPLY PLATE

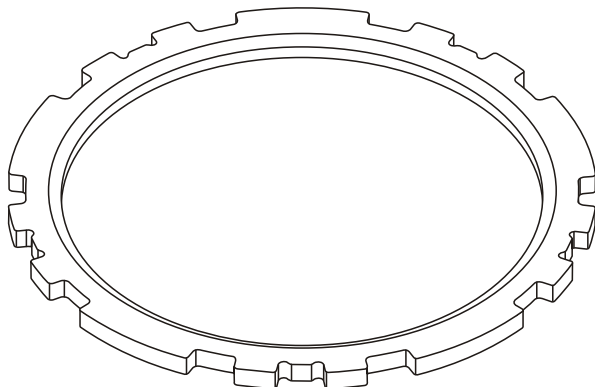


Thickness For Six Friction Plates = .224"
Thickness For Seven Friction Plates = .218"

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Figure 3

NEW 3-4 CLUTCH BACKING PLATES

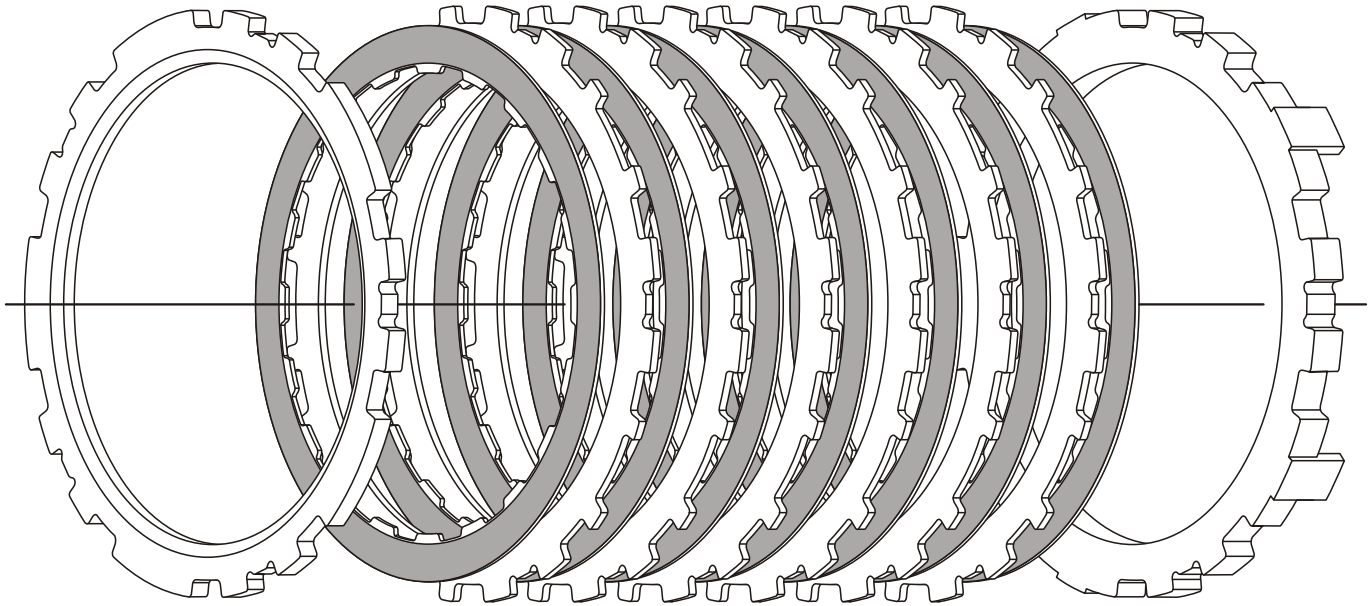


24217450 = .144" Thick (New)
24217453 = .165" Thick (New)
24212460 = .194" Thick (Same As Previous)
24217516 = .219" Thick (New)
24217517 = .241" Thick (New)

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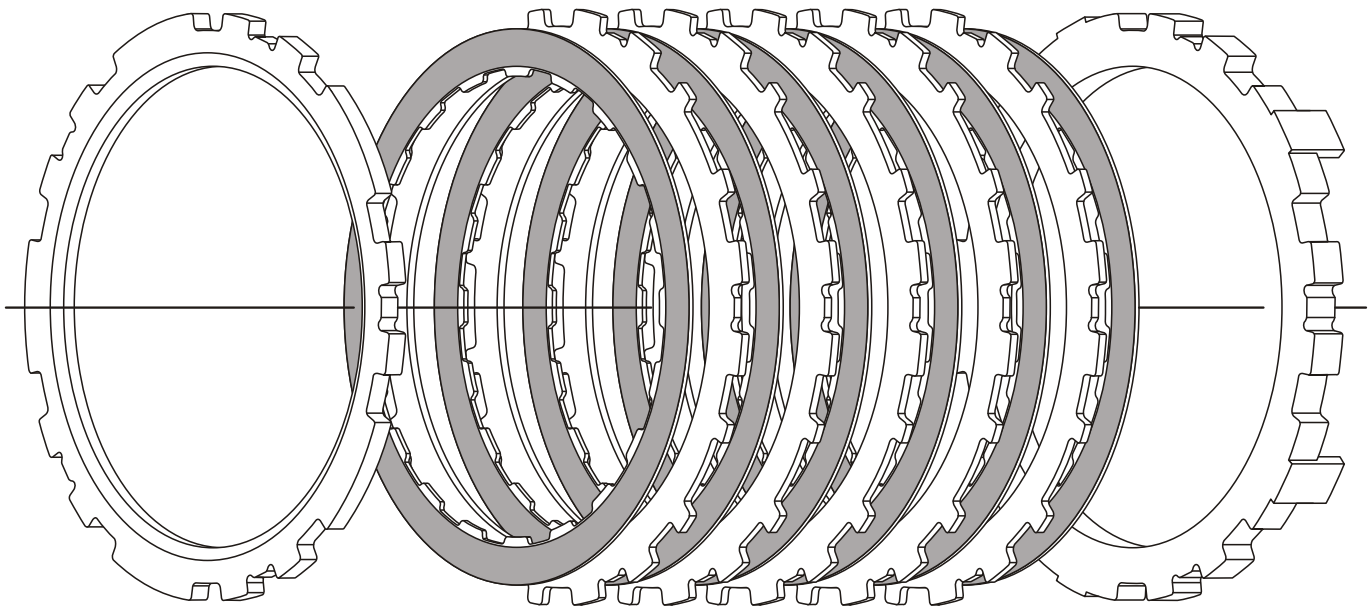
Figure 4

THM 4L65-E (M32) 3-4 CLUTCH SEVEN FRICTION STACK-UP



Friction Plates = .065" Thick, 7 Required
Steel Plates = .097" Thick, 6 Required

THM 4L60-E (M30) 3-4 CLUTCH SIX FRICTION STACK-UP



Friction Plates = .082" Thick, 6 Required
Steel Plates = .106" Thick, 5 Required

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Figure 5