

FORD E4OD REVERSE CLUTCH LIP SEALS FOR 1996 MODELS

CHANGE: Beginning at the Start Of Production for all 1996 models equipped with the E40D transmission, Ford Motor Company installed "Lip" seals on the reverse clutch piston and addad a cushion (W) plate to the reverse clutch pack.

REASON: To address reverse engagement concerns.

PARTS AFFECTED:

- (1) REVERSE CLUTCH PISTON SEALS- Change from the previous "Square" cut seals to the new design "Lip" seals, for increased sealing ability. Refer to Figures 1, 2 and 3. (2) REVERSE PISTON Seal grooves in the piston are machined differently to accommodate the new design lip seals. The reverse piston skirt is also .140" shorter than the previous piston, to accommodate the added cushion (Wave) plate in the reverse clutch pack. This will obviously also afect the overall height of the piston. Refer to Figures 1, 2 and 3. The pistons can be identified by the "Rough Forging" number, as shown in Figures 1 and 2. Rough Forging Number RF-E9TP-7D402-AA = 89-95 Model (Square Cut Seals) Rough Forging Number RF-F6TP-7D402-AA = 1996 Model (Lip Seals)
- (3) REVERSE PISTON SPRING RETAINER New design level spring retainer has 23 return springs in the retainer, instead of the previous 18 return springs. The new design level 23 spring retainer is also approximately 1/4" larger in diameter, 5.200" as opposed to the previous 4.920", which will allow a better cushion. Refer to Figures 1 and 2.
- **(4) CUSHION (WAVE) PLATE** Added to the reverse clutch pack to cushion the reverse clutch apply, as shown in Figure 3. The new cushion plate when it is not compressed, is .140" in height and the nominal thickness is .050".

SERVICE INFORMATION:

Reverse Clutch Piston (New Design)	F6TZ-7D402-A
Reverse Piston Outer Lip Seal (Package of 3)	F6TZ-7D403-A
Reverse Piston Inner Lip Seal (Package of 3)	
Reverse Piston Return Spring Assembly (New Design)	F6TZ-7D406-A
Reverse Clutch Cushion Spring	F6TZ-7D085-A

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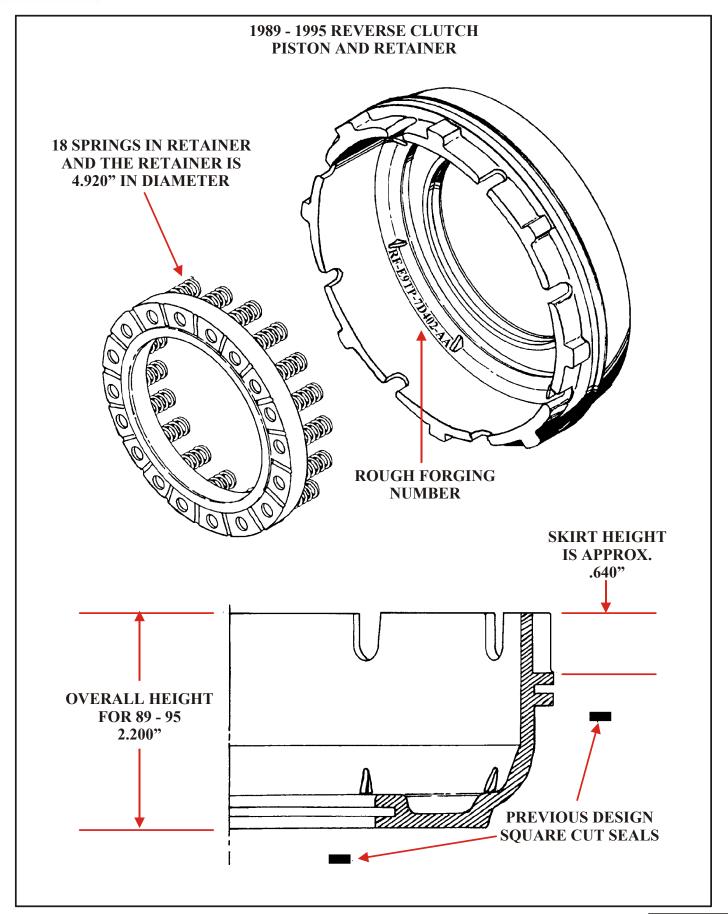


Figure 1
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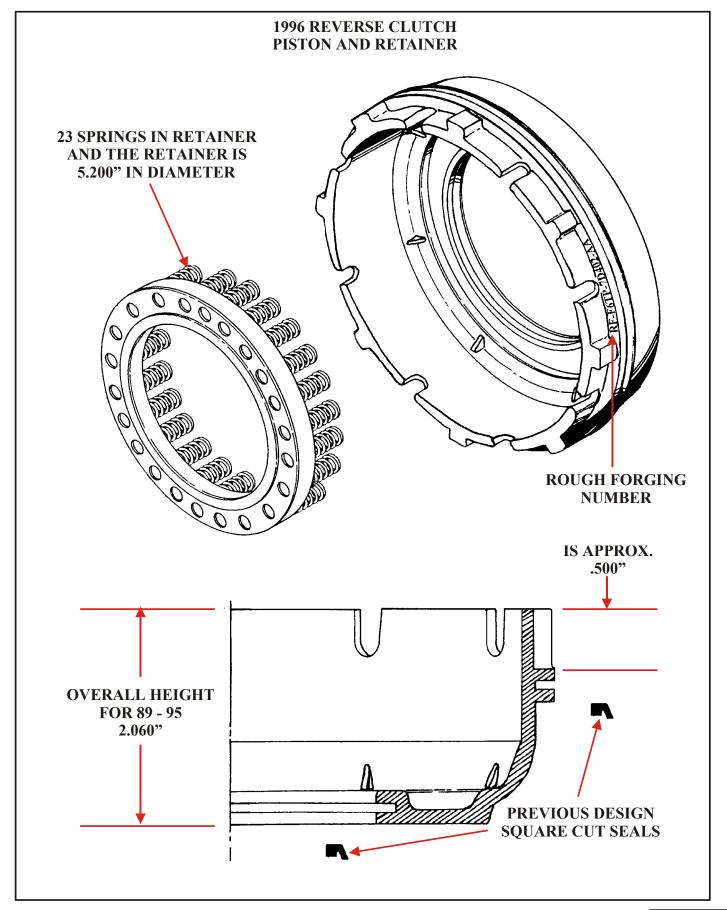


Figure 2
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1989 - 1995 MODEL **1996 MODEL** REVERSE CLUTCH STACK REVERSE CLUTCH STACK **NOTE: THE NUMBER OF REVERSE NOTE: THE NUMBER OF REVERSE** CLUTCH PLATES FOR THE REVERSE **CLUTCH PLATES FOR THE REVERSE CLUTCH IS MODEL DEPENDENT CLUTCH IS MODEL DEPENDENT** ADDED WAVE PLATE PREVIOUS DESIGN **NEW DESIGN** LATHE CUT SEALS LIP SEALS