



Technical Service Information

CHRYSLER A500 (42RE) SERIES NEW DESIGN DIRECT CLUTCH HOUSING

CHANGE: Chrysler Corporation re-designed the Direct Clutch Housing on the A500 (42RE) transmission, during the 98-99 model years, on some models only.. This clutch is applied in 3rd gear and reverse. Refer to Figure 1 for cut-away illustrations af both previous and current design housings.

REASON: Greatly improved application of the Direct Clutch and improved durability.

PARTS AFFECTED:

- (1) DIRECT CLUTCH HOUSING - Now is manufactured with the outer lip seal groove in the clutch housing instead of the clutch piston. Also the addition of another bushing in the clutch housing to support the clutch housing when installed on the pump cover, and addition of "V" shaped grooves where the steel plates and pressure plate ride in drum, as shown in Figure 2.
- (2) DIRECT CLUTCH OUTER SEAL - Now an inside lip design, to accommodate the changes in the clutch housing, as shown in Figure 2.
- (3) DIRECT CLUTCH PISTON - Now manufactured *without* the seal groove in the piston to accommodate the new seal in the housing, as shown in Figure 2.
- (4) DIRECT CLUTCH PRESSURE PLATE - Now manufactured with two of the locating tabs missing, and must be oriented properly to fit into the clutch housing because of the added "V" shaped grooves, as shown in Figure 3.

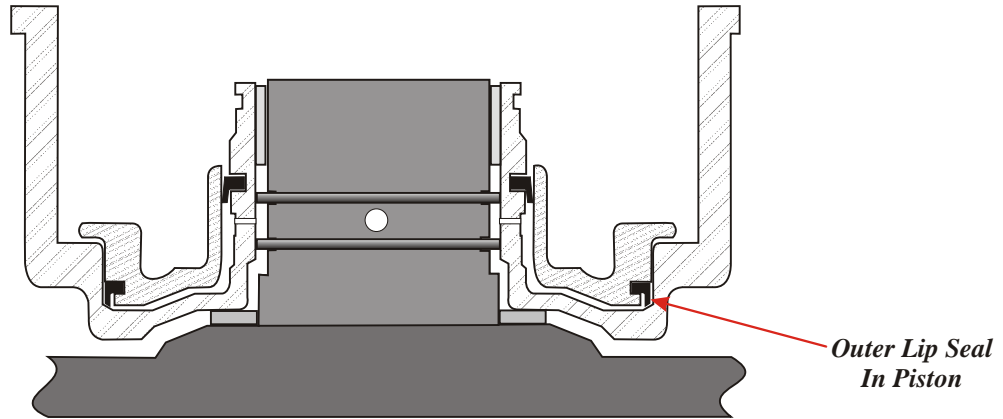
INTERCHANGEABILITY:

None of the parts listed above will interchange with any of the previous design parts, but when using the parts listed above as a package, will retro-fit back to all models of the Chrysler A500 (42RE) transmissions.

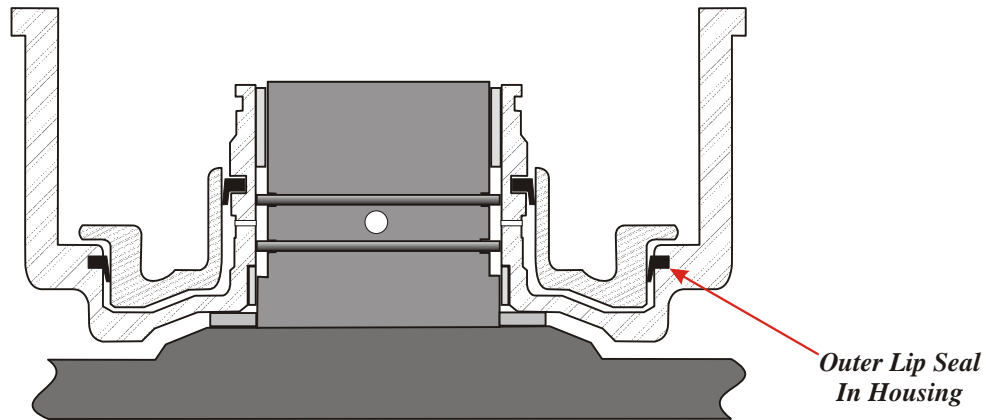
SERVICE INFORMATION:

| | |
|---|-----------|
| Direct Clutch Housing (New Design) | 4531285AB |
| Direct Clutch Outer Lip Seal (New Design)..... | 4058487AB |
| Direct Clutch Inner Lip Seal (New Design) | 2852925AA |
| Direct Clutch Piston (New Design) | 4617154AB |
| Direct Clutch Pressure Plate (New Design) | 4617176AB |

"PREVIOUS" DESIGN LEVEL



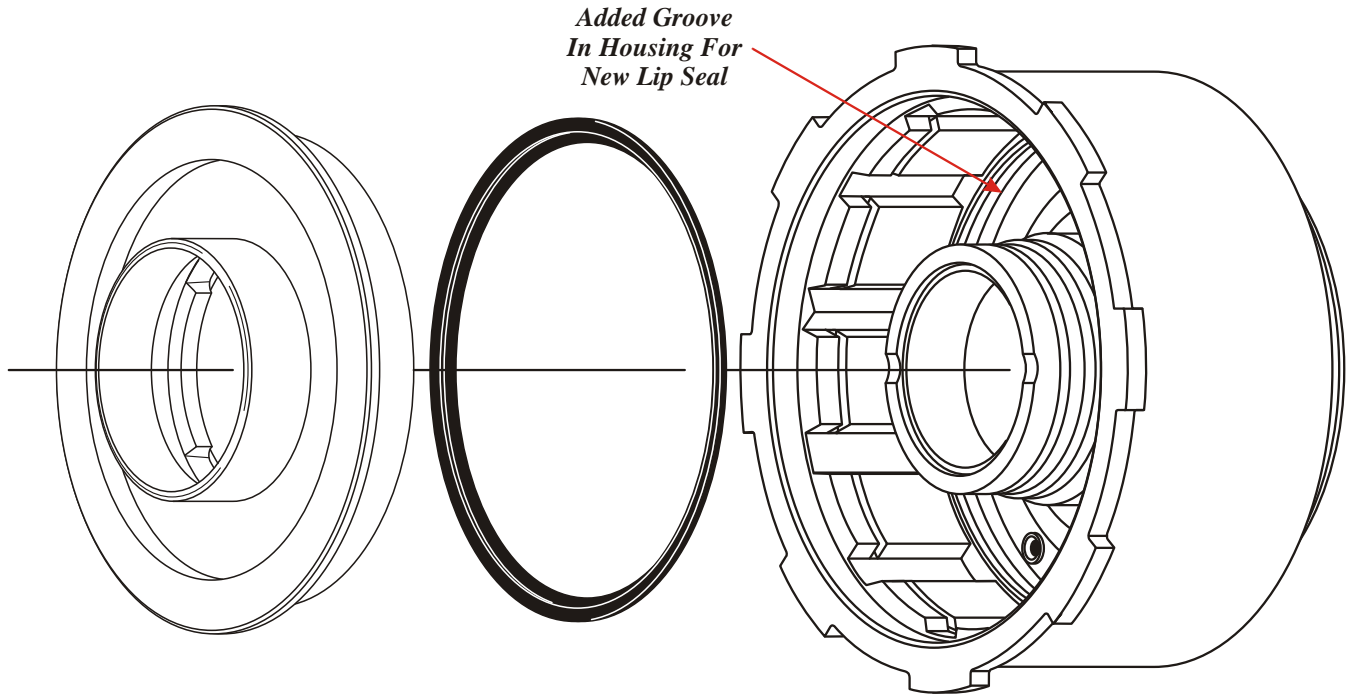
"CURRENT" DESIGN LEVEL



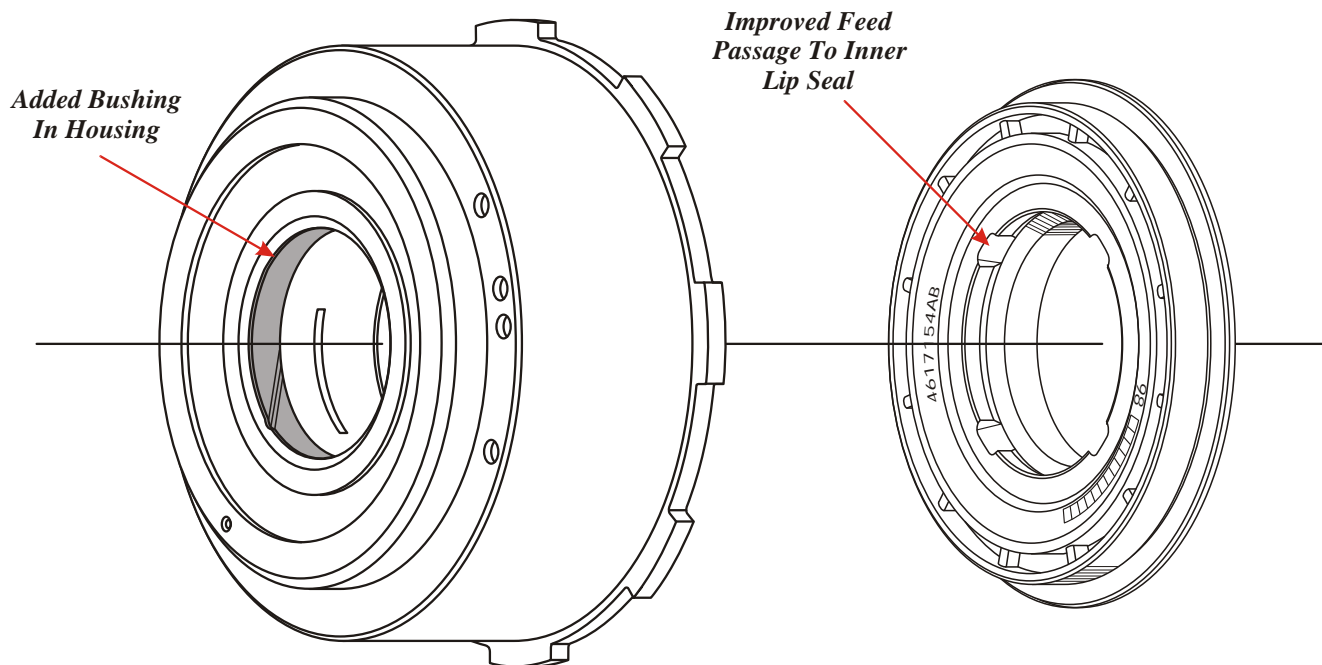
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Figure 1

CURRENT DESIGN LEVEL "REAR" VIEW

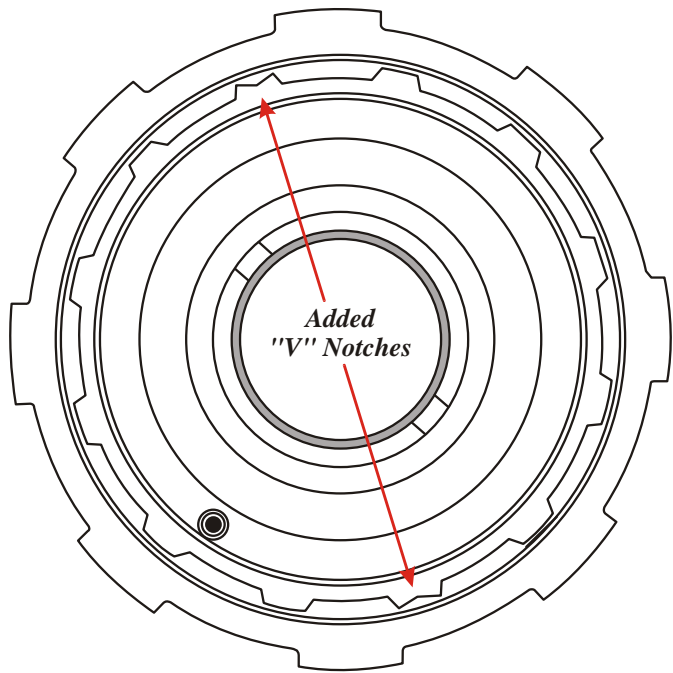


CURRENT DESIGN LEVEL "FRONT" VIEW

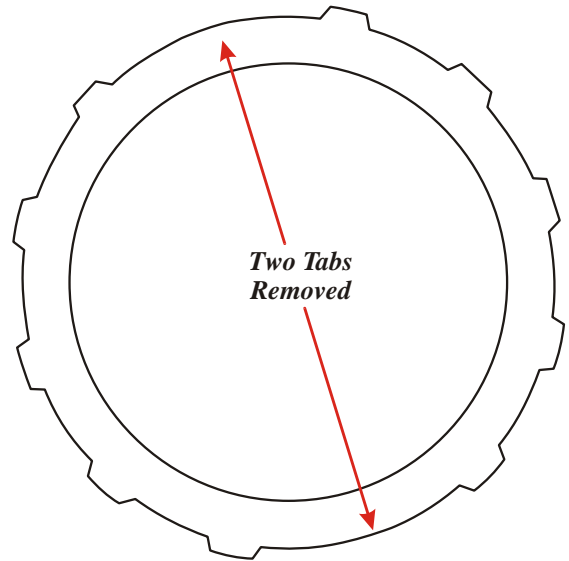


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Figure 2



DIRECT CLUTCH HOUSING



PRESSURE PLATE