

FORD CD4E PREMATURE REVERSE DRUM BUSHING FAILURE

COMPLAINT: After overhaul, a vehicle equipped with a CD4E transaxle exhibits premature failure of the top bushing in the reverse input housing (See Figure 1), and apparently due to lack of lubrication. Because of the bushing failure, the ring area in the reverse input housing may be grooved, and the sealing rings on the forward/coast/direct housing may be worn.

CAUSE: The cause may be, mis-assembly of the reverse input clutch hub onto the splines of the forward/coast/direct clutch housing. The reverse input clutch hub has 2 slots machined 180 degrees apart on the bottom of the hub, as shown in Figure 2. These slots *must* be indexed over the two lubrication holes 180 degrees apart in the splines of the forward clutch housing, as shown in Figure 2. If the slots are not lined up with the lube holes in the splines, premature failure of the reverse input housing bushing will be the result.

CORRECTION: Identify and locate the slots in the reverse input clutch hub and ensure that the slots are aligned with the lubrication holes in the splines of the forward/coast/direct clutch drum during the assembly process. Refer to Figure 2 for correct assembly.

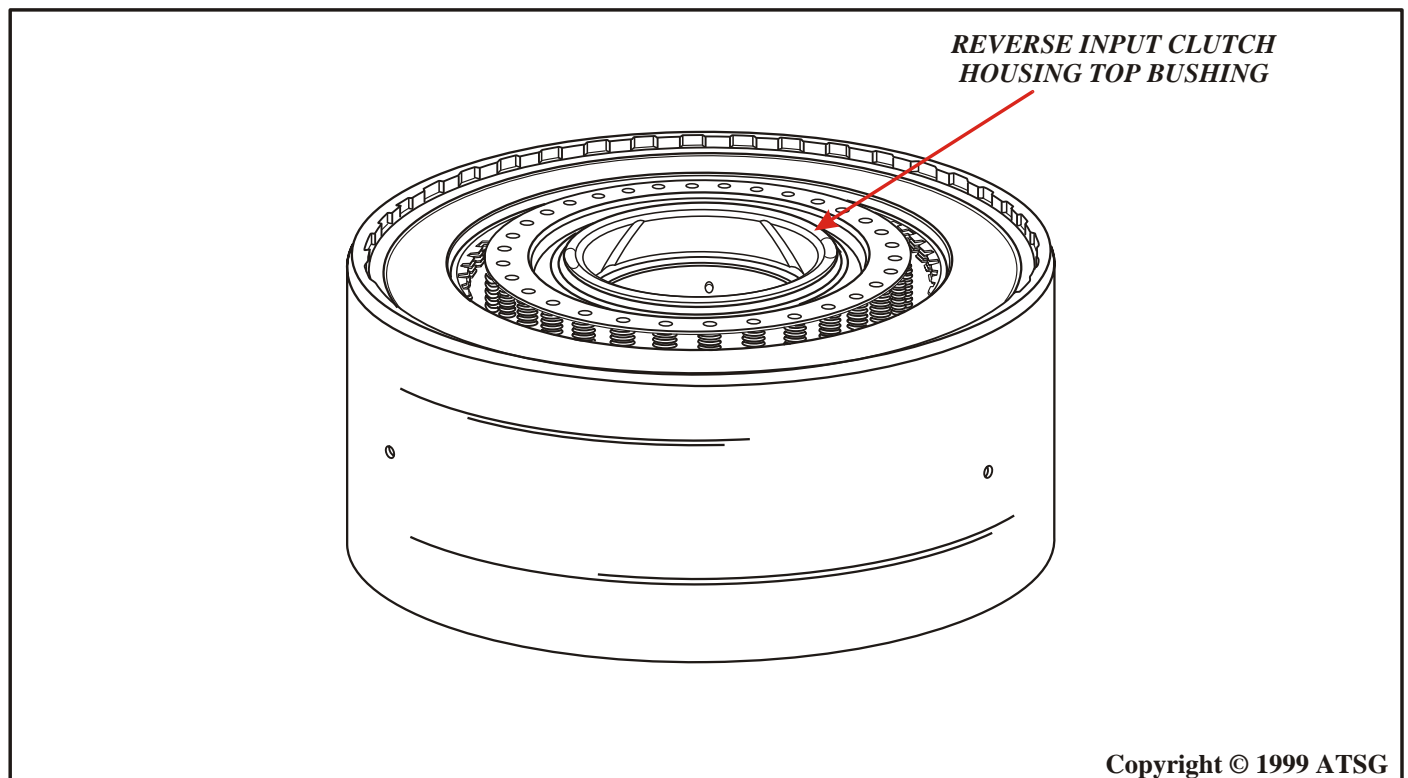
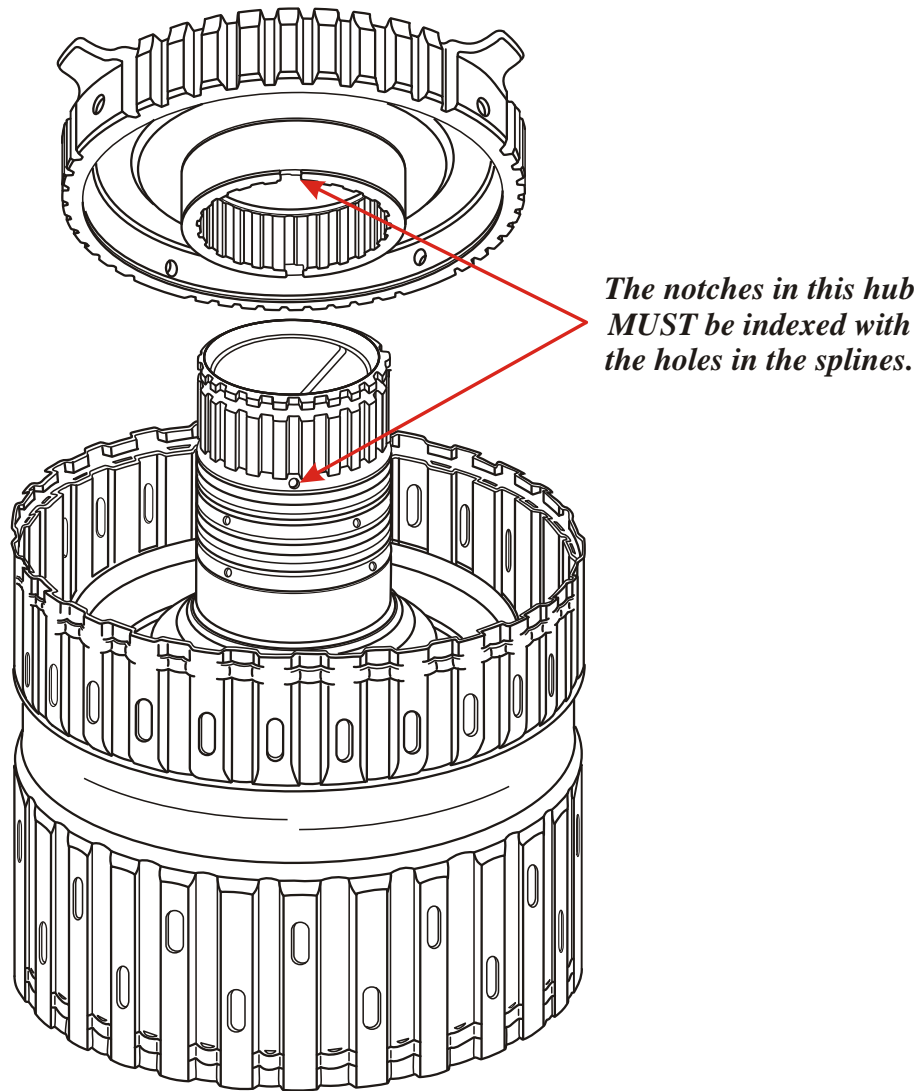


Figure 1



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Figure 2