



Technical Service Information

FORD 6R140W

1-2-3-4/3-5-R CLUTCH HOUSING ASSEMBLY

COMPLAINT: Disassembly and reassembly of the 1-2-3-4/3-5-Reverse (Direct Drum) piston and retainer has been confusing in many shops.

CAUSE: In most applications where a clutch apply piston is retained by a snap ring, it is customary to use a pair of snap ring pliers to expand the snap ring in order to remove the internal parts. The 6R140W drum is the exception, the disassembly procedure is opposite.

CORRECTION: First use a spring press to hold the piston and retainer down as seen in figure 1. Next, use two (2) flat bladed screw drivers held 180° apart and PUSH IN on the snap ring as shown in figure 1. When the snap ring is pushed in far enough, release the press and the piston and retainer can now be removed.

SERVICE INFORMATION:

The inside diameter of the piston retainer is tapered on the backside as seen in figure 2. When it is time for reassembly, install the piston into the bottom of the drum. Then place the piston retainer on top of it and simply use the press to push the retainer down. Watch for the snap ring to expand as shown in figure 3, then release the press. The drum is now ready for further assembly.

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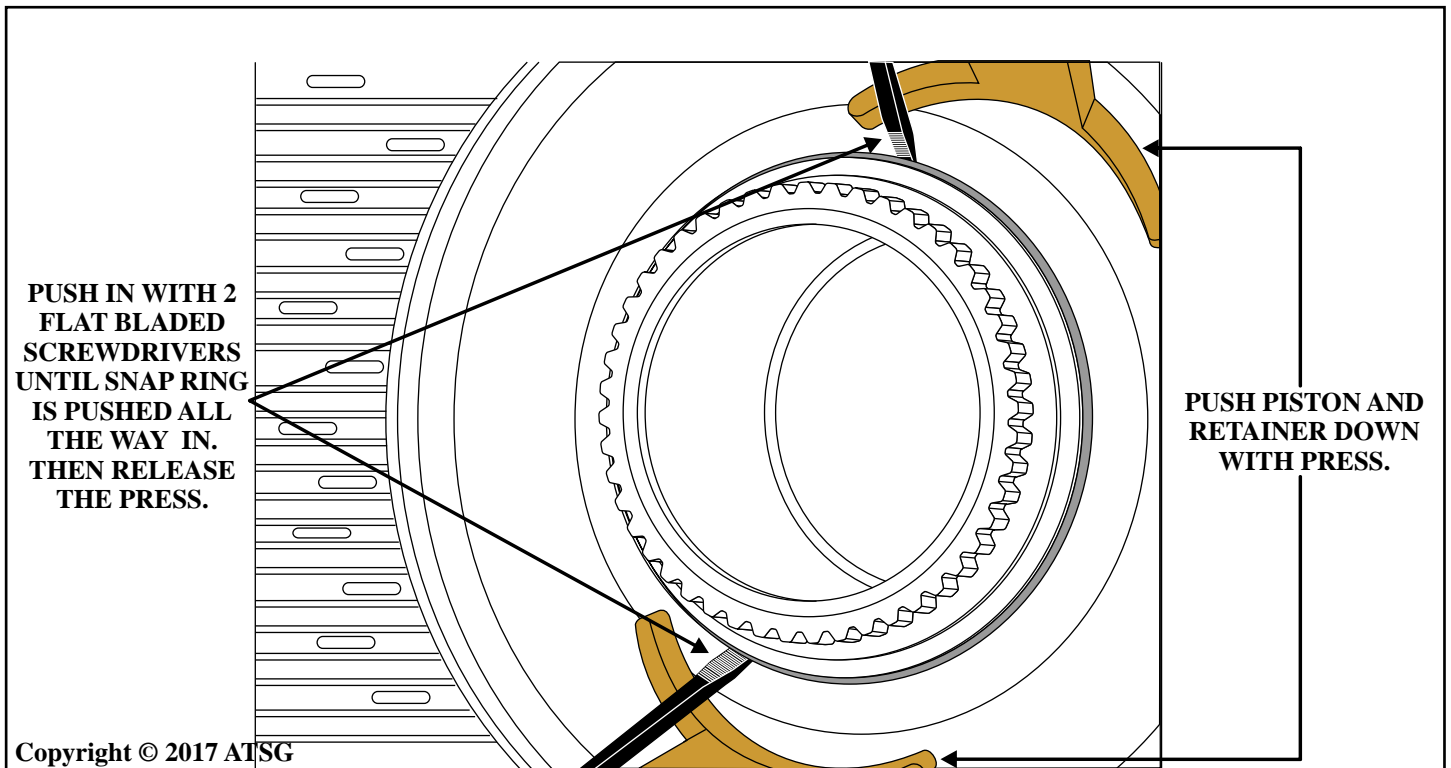


Figure 1

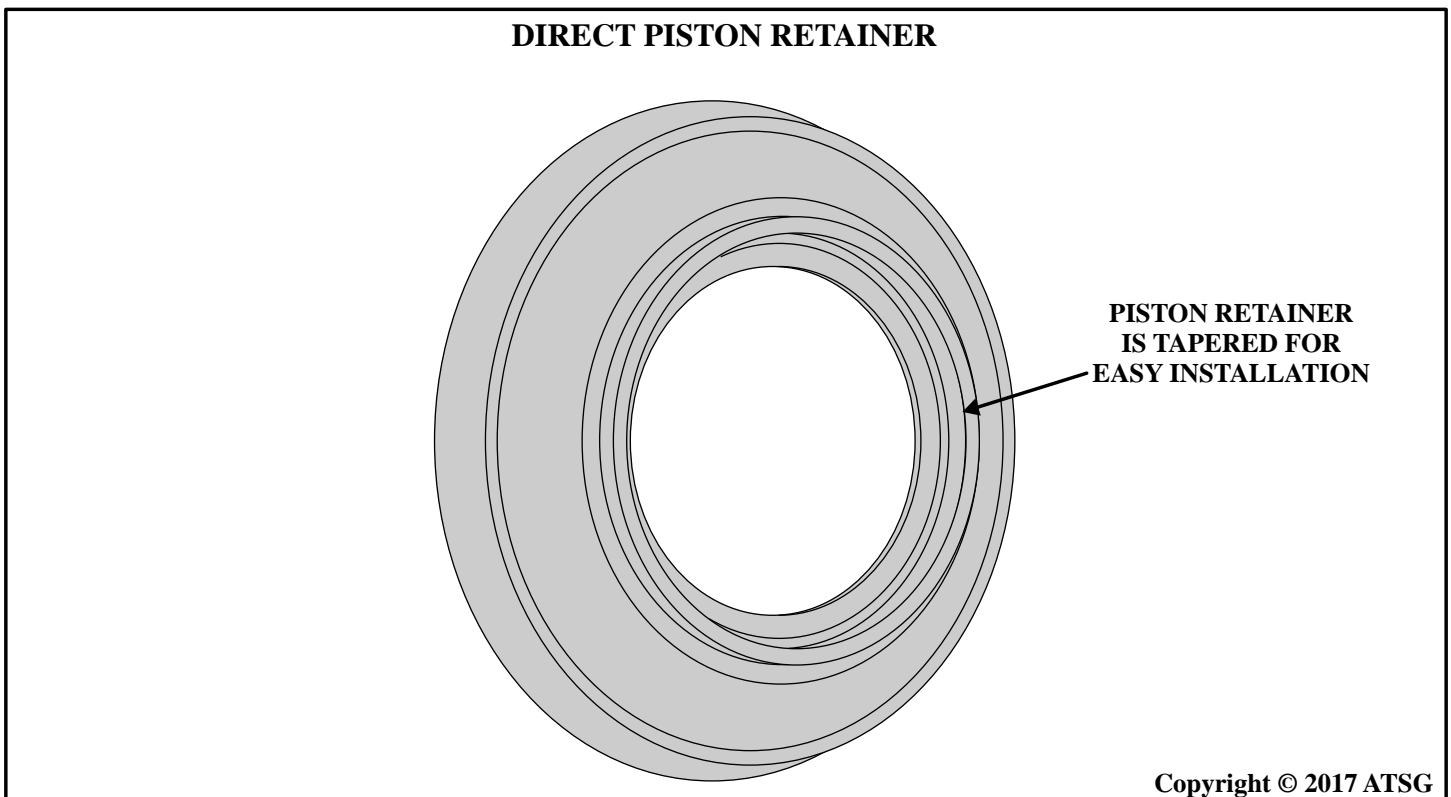


Figure 2

FORD 6R140W 1-2-3-4/3-5-R CLUTCH HOUSING ASSEMBLY

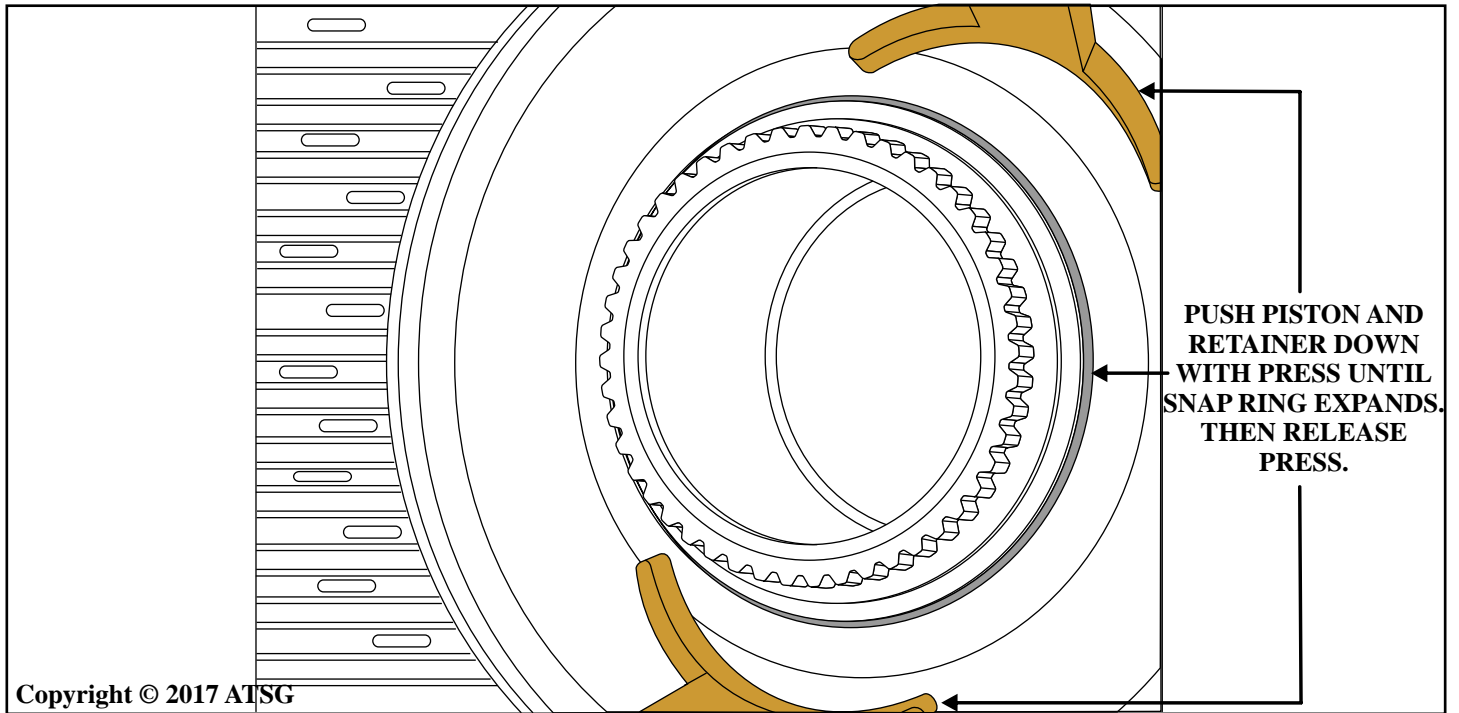


Figure 3