



GM 6T40 SERIES TRANSMISSIONS NO THIRD, FIFTH OR REVERSE GEARS

COMPLAINT:

- (1) A vehicle equipped with a 6T30/40/45/50 transmission may have a complaint of no third, fifth of reverse gears. Upon disassembly of the transmission, the 3-5-Reverse retaining ring is broken into pieces (figure 1).
- (2) The transmission may have also had a complaint of harsh shifts with a P0776 for “Pressure Control Solenoid B Stuck OFF”. The 3-5-Reverse “waved” plate was found to be broken (figure 1).

CAUSE:

- (1) The 3-5-R/4-5-6 clutch housing has a 3-5-R retaining ring groove that is not machined deep enough. The 3-5-R retaining ring is not made thick enough. The 3-5-R backing plate needed a higher step for better retaining ring retention (figure 2).
- (2) The 3-5-Reverse clutch apply piston with the three (3) notch early design did not contact the wave plate evenly during clutch application which would eventually cause it to break (figure 2).

CORRECTION:

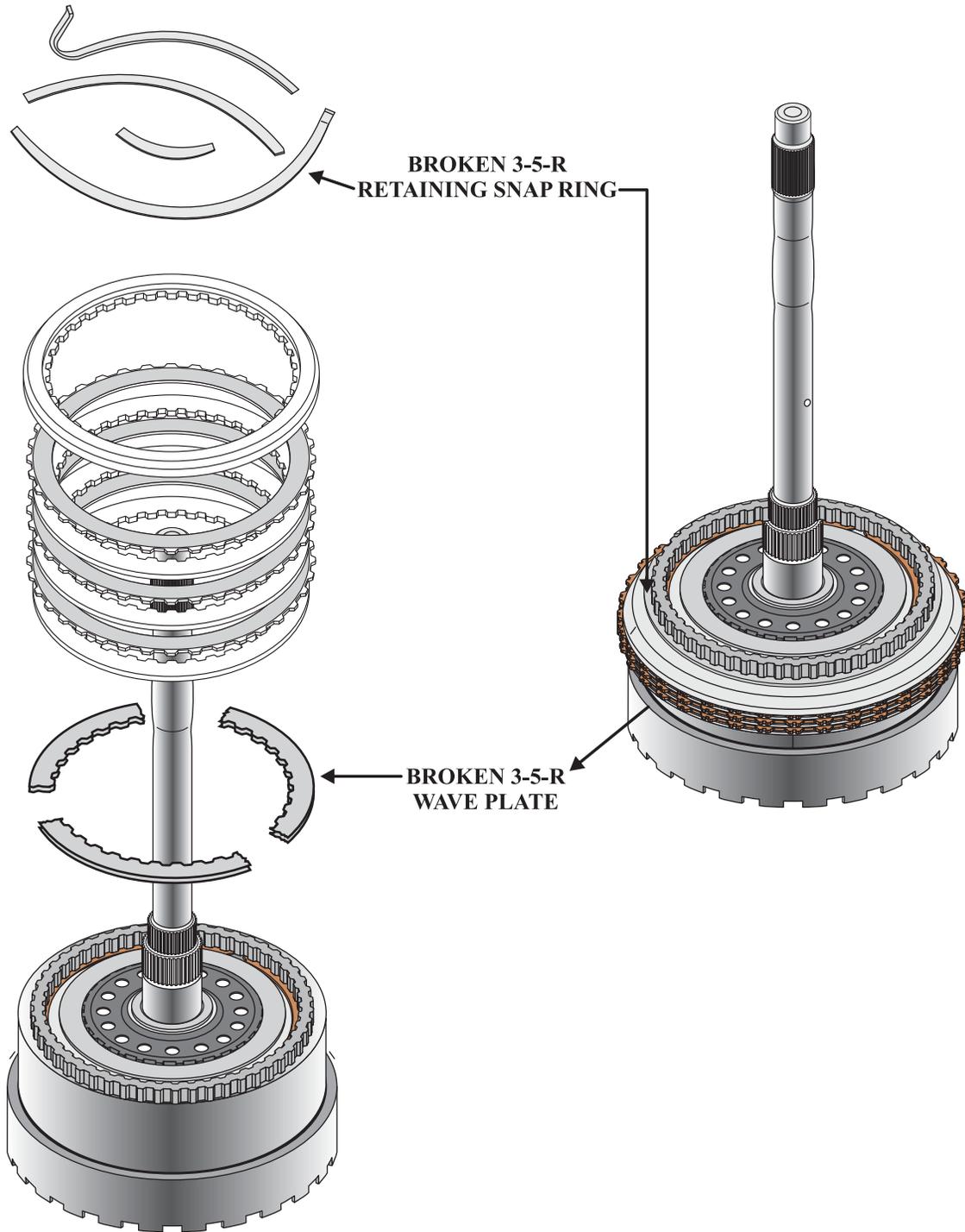
- (1) Replace 3-5-R/4-5-6 clutch housing, retaining snap ring and backing plate with the updated second design level parts which comes in a kit (figure 3).
- (2) Replace the 3-5-Reverse clutch apply piston that has no notches and the updated 3-5-Reverse waved plate that is stress relieved; it is darker in color than the first design waved plate (figure 3). Updated parts are shown in figures 4 and 5.

SERVICE INFORMATION:

Updated 3-5-Reverse Clutch Housing, Backing Plate & Retaining Snap Ring Kit.....24255922
Updated 3-5-Reverse Clutch Apply Piston (No Notches).....24259061
Updated 3-5-Reverse Waved Plate.....24230757

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3-5-REVERSE/4-5-6 CLUTCH HOUSING



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Figure 1

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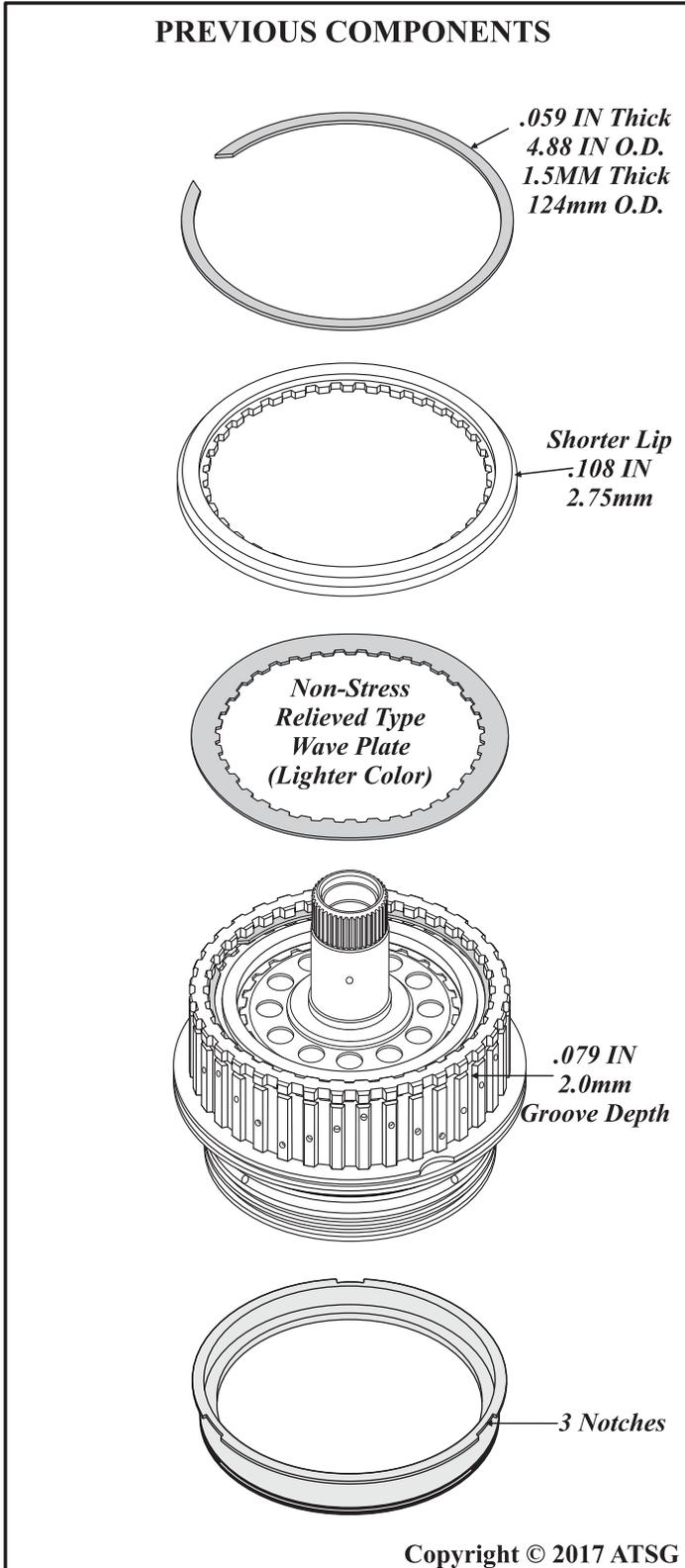


Figure 2

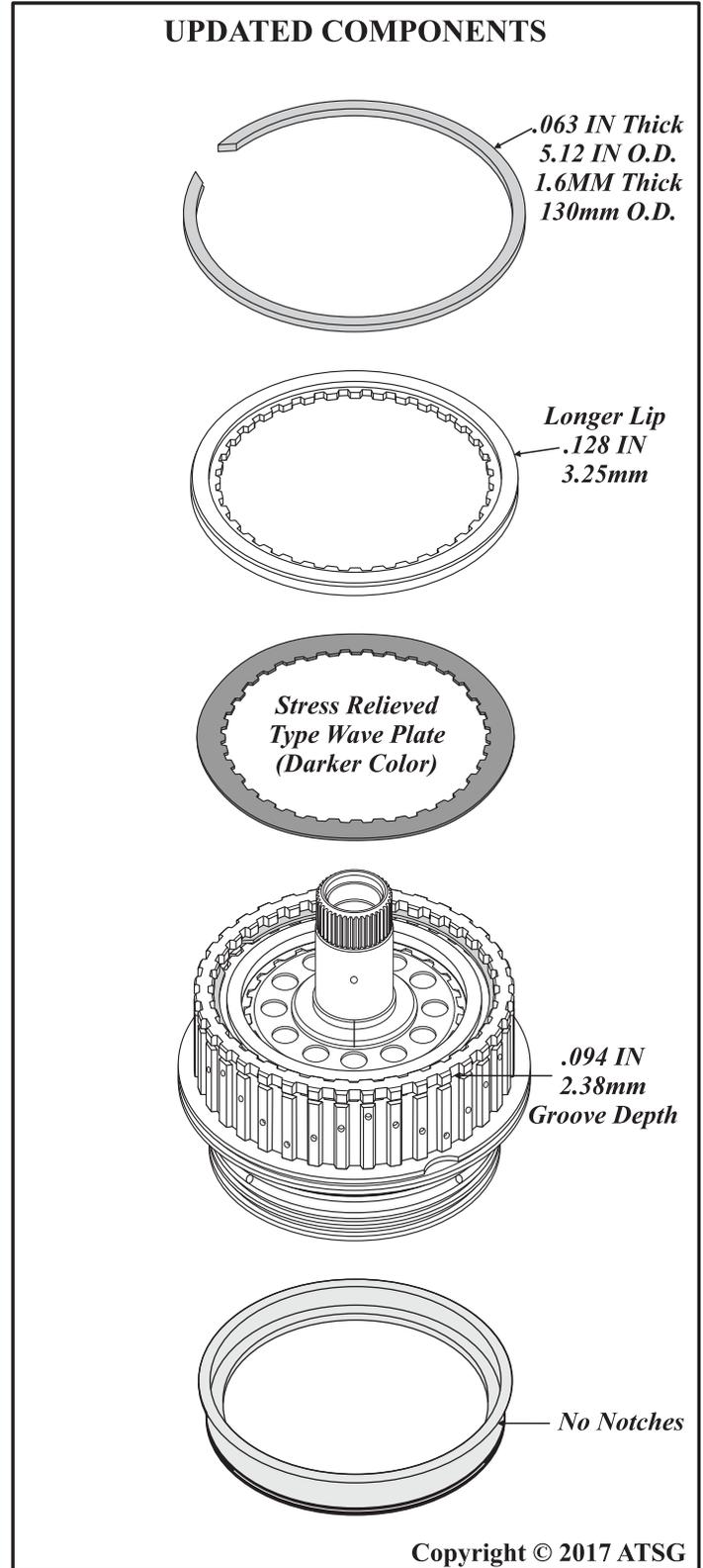
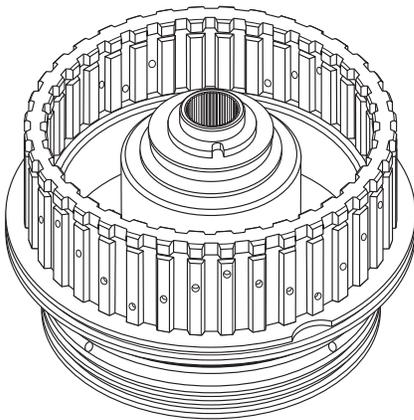
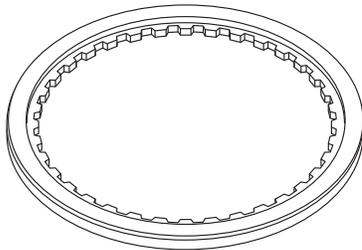
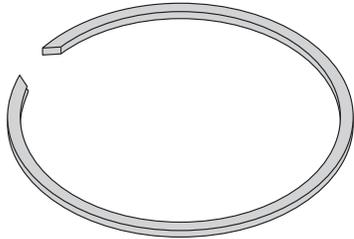


Figure 3

**GM 6T40 SERIES TRANSMISSIONS
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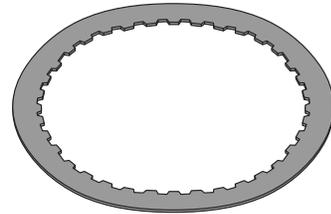
**UPDATED 3-5-REVERSE DRUM KIT
24255922**



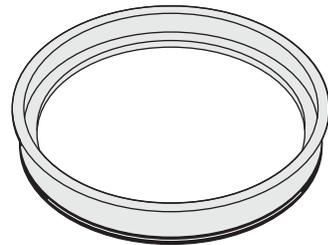
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Figure 4

**UPDATED 3-5-REVERSE WAVED PLATE
24230757**



**UPDATED 3-5-REVERSE
CLUTCH APPLY PISTON
24259061**



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Figure 5