



# Technical Service Information

## GM 6L80/90

### CLUTCH CLEARANCE SPECIFICATIONS

**COMPLAINT:** During the rebuild process the technician searches for clutch clearance specifications but none are found. It is a common practice for General Motors to not publish these specifications.

**CAUSE:** General Motors is of the opinion that if original GM parts are used in all clutch packs, the clearance will be correct.

**CORRECTION:** Figures 1, 2, 3 and 4 show clutch clearance specifications. Also shown are all available selective snap rings to adjust clutch clearance to the correct specification. Take notice that the clutch clearance specifications for the 6L80 are different than those for the 6L90.

Unfortunately there are no clutch clearance specifications or selective snap rings available for the 2-6 clutch pack. However, after checking the clutch clearance on TEN 2-6 clutch packs that were like new, the clutch clearance ranged from 1.88 - 2.01mm (.074" - .079").

#### SERVICE INFORMATION:

##### Selective Snap Rings For 6L80 And 6L90:

###### **3-5-Reverse Clutch Pack:**

1.88 - 1.98MM (.074" - .078") - Light Green.....	24240195
2.15 - 2.25MM (.085" - .089") - Yellow.....	24240196
2.42 - 2.52MM (.095" - .099") - No Color.....	24240197
2.69 - 2.79MM (.106" - .110") - Purple.....	24240198

###### **1-2-3-4 Clutch Pack:**

2.42 - 2.52MM (.095" - .099") - No Color.....	24240197
2.69 - 2.79MM (.106" - .110") - Purple.....	24240198
2.96 - 3.06MM (.117" - .120") - Light Blue.....	24240199
3.23 - 3.33MM (.127" - .131") - Orange.....	24240200
3.50 - 3.60MM (.138" - .142") - White.....	24240201

###### **4-5-6 Clutch Pack:**

1.60 - 1.70MM (.063" - .067") - Yellow.....	24233407
2.02 - 2.12MM (.080" - .083") - No Color.....	24233408
2.44 - 2.54MM (.096" - .100") - Purple.....	24233406

###### **Low - Reverse Clutch Pack:**

1.85 - 1.95MM (.073" - .077") - Yellow.....	24245063
2.26 - 2.36MM (.089" - .093") - No Color.....	24224737
2.67 - 2.77MM (.105" - .109") - Purple.....	24245064

**Note:** Some snap ring part numbers are duplicated, the same part number represents the same snap ring thickness.

A very special thank you to Dalyn Hester, WIT, Louisville, KY for his help with the 2-6-clutch pack clearance specifications.

A many thanks to Buddy Scott, Transtar, Texarkana, TX for the heads up and part numbers.



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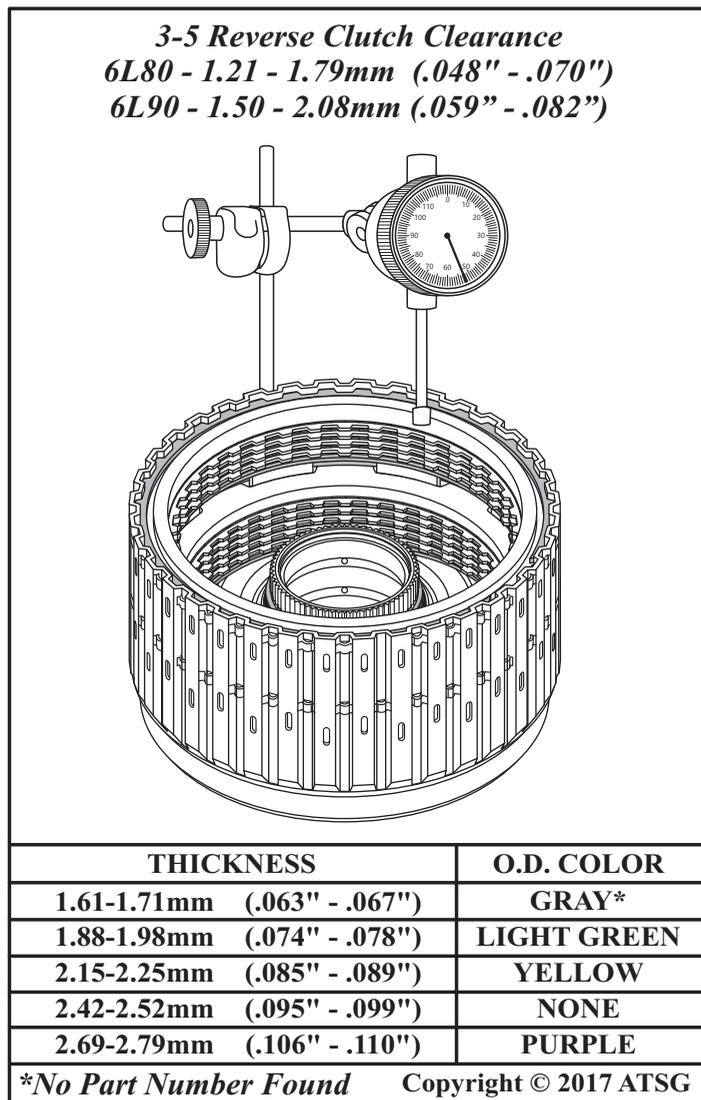


Figure 1

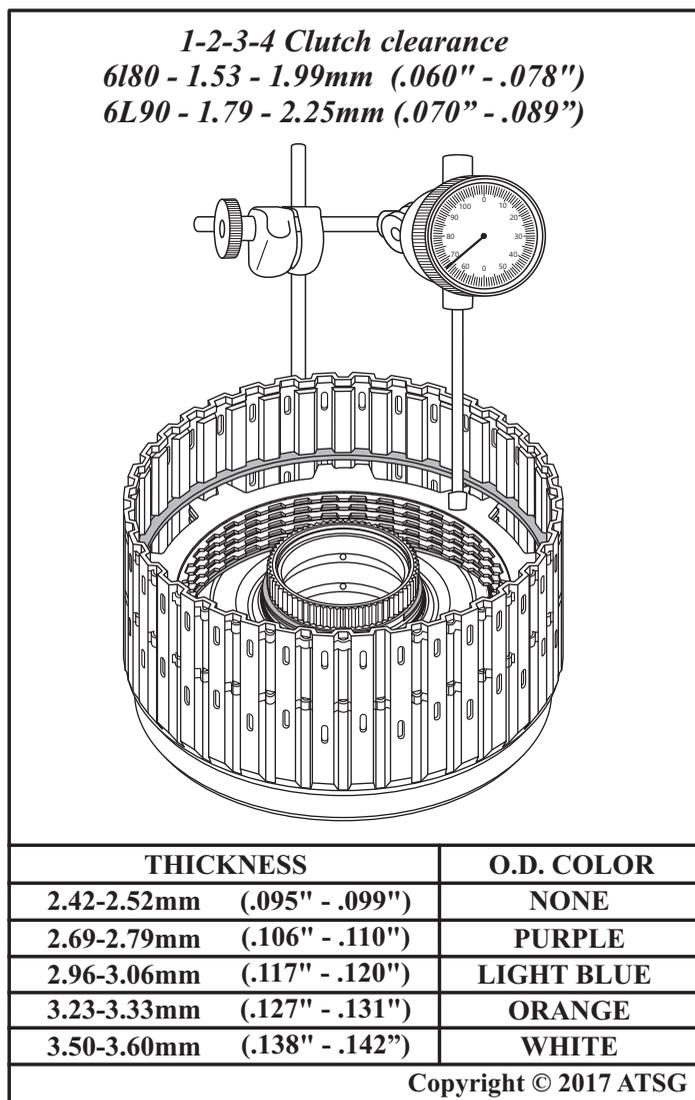


Figure 2



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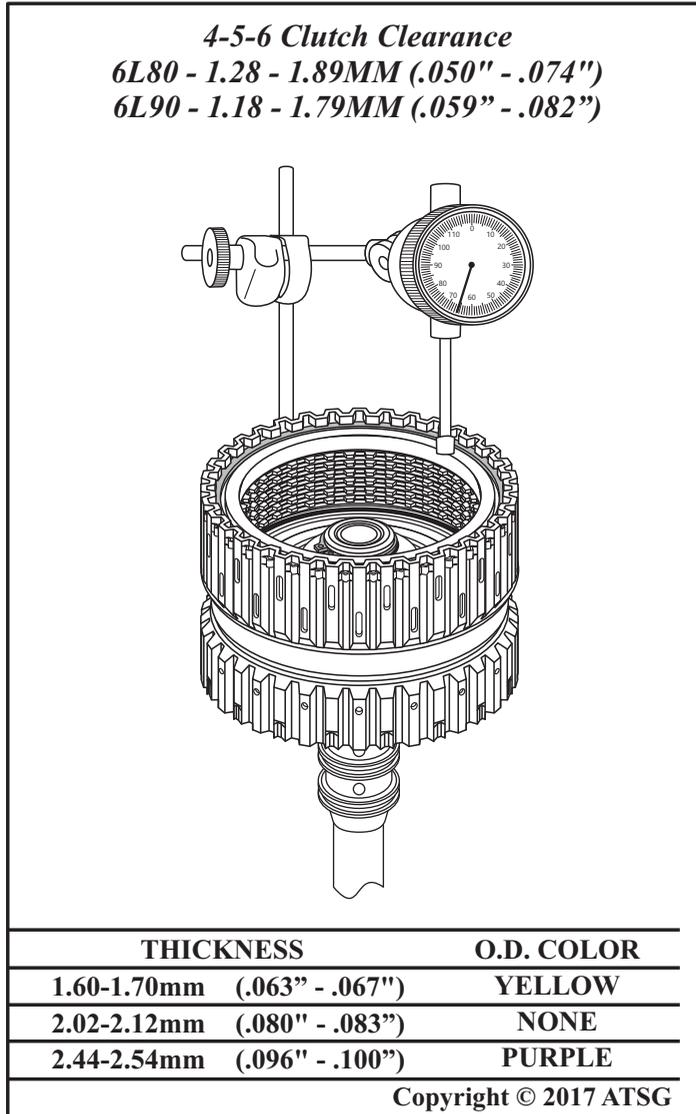


Figure 3

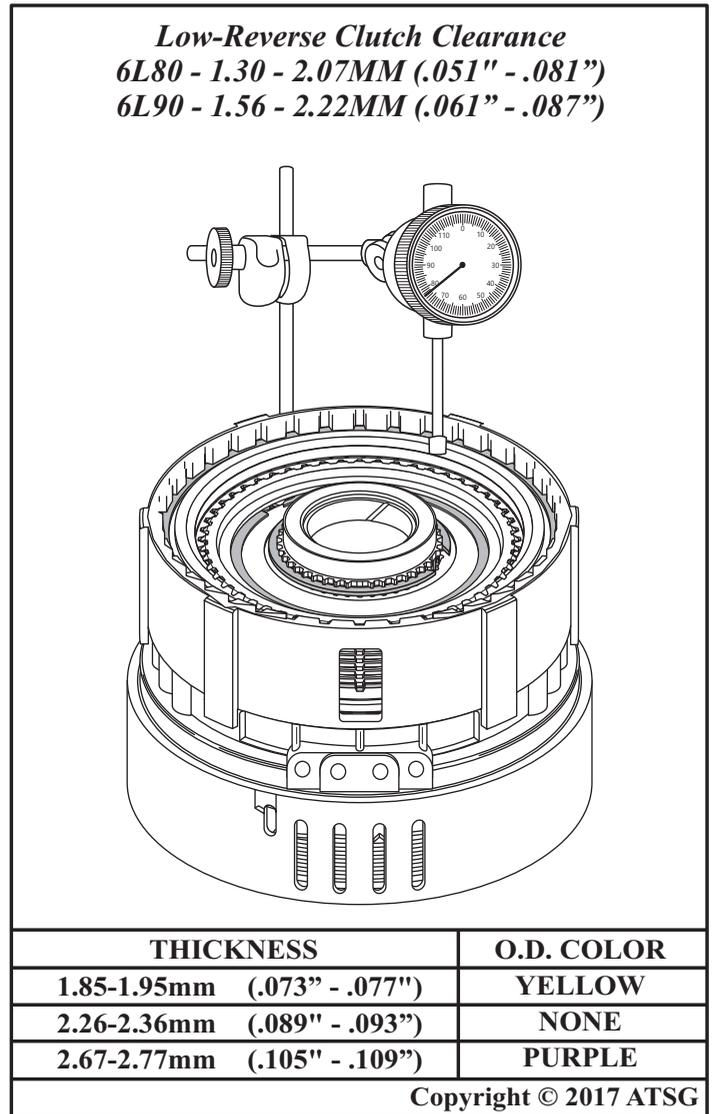


Figure 4

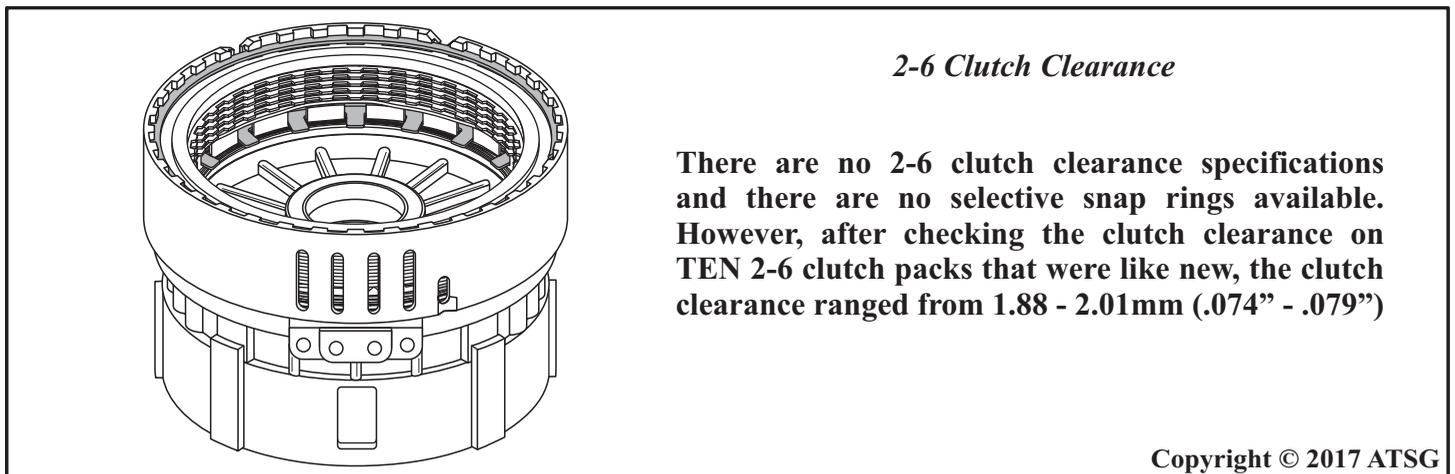


Figure 5