

## Extreme Duty 4-5-6 Clutch Hub & Intermediate Shaft

**Part No.**  
**104690-45**

Patent Pending

**NOTE:** For use with Sonnax steels and Powerglide-style, 45-tooth frictions.

OE Part No. 24230480

## GM 6L90



### Overview

This shaft has a smaller diameter hub with 45 teeth that is intended for use with Sonnax Powerglide-style clutches and special steels, see **Figure 1** below for typical usage.

It also requires use of Sonnax **104960-20K** high capacity 4-5-6 clutch apply piston kit that has apply plate and backing plate with smaller inner diameter.

**Figure 1**

Sonnax P/N	Material	Thickness	6L80	6L90
104120-01	4-5-6 Clutch Steel, Wide	.078"	1	3
104120-02	4-5-6 Clutch Steel, Wide	.090"	5	4
104120-03	Clutch Friction, BW HE	.060"	7	8

**NOTE:** See page 2 for Instructions.

### Special Tools

- DT-47868-1 - Clutch Travel Weight / 10 lbs

### Instructions

Before checking clutch clearance, soak clutches in fluid for 15 minutes. Install clutches and steels into 4-5-6 housing and apply clutch pack several times with compressed air.

1. Place clutch travel weight onto 4-5-6 backing plate (Figure 2).
2. Position dial indicator to read clutch travel weight movement.
3. Apply 4-5-6 clutch with compressed air.
4. Clutch clearance .008-.012" per friction, adjust by changing retaining ring or using different thickness steels (Figure 3).

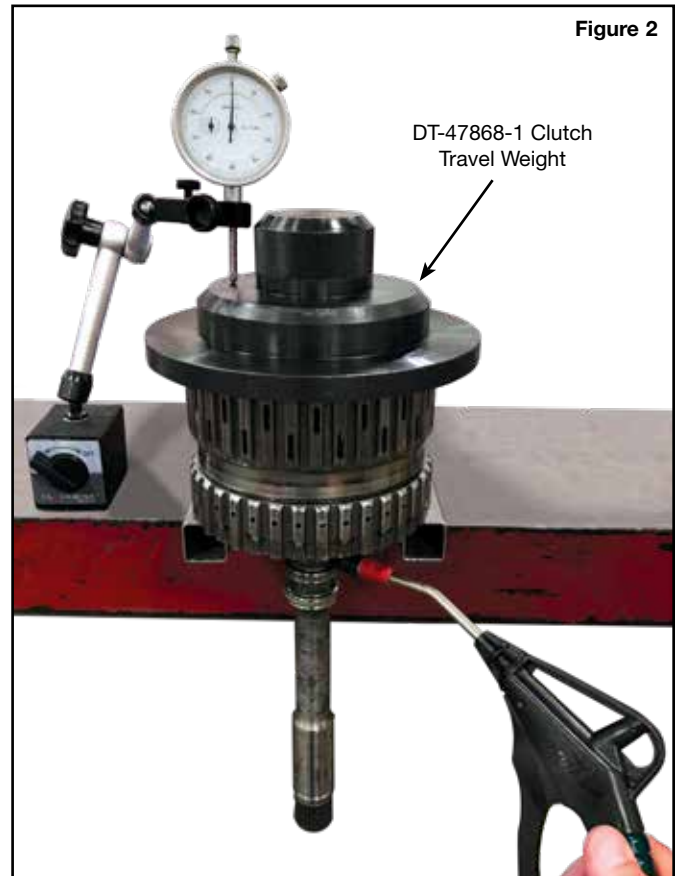


Figure 2

### 4-5-6 Clutch

Figure 3

OE Part No.	Retaining Ring Thickness	Color
2423407	.063-.067"	Yellow
2423408	.080-.083"	None
2423406	.096-.100"	Purple

Sonnax Part No.	Steel Thickness	Color
104120-01	.078"	None
104120-02	.090"	None