

Heavy Duty 4-5-6 Clutch Apply Piston Kit

Part No.

104960-01K

- Apply Piston
- Piston Dam
- Apply Ring
- Backing Plate

Patent Pending

NOTE: Use with OE-style, 36-tooth frictions and OE steels.

NOTE: OEM frictions are about .063" thick and OEM steels are about .086" thick. Clutch capacity is 6 frictions for the 6L80 and 7 frictions for the 6L90 (**Figure 2**).

GM 6L80, 6L90



1. Clutch Assembly Information

OE recommended clutch clearance is .008–.012" per friction. See list of selective retaining rings for adjusting clutch clearance (**Figure 1**).

2. Disassembly

- Dismantle 4-5-6 clutch assembly using OEM recommended methods and procedures.
- Discard OE apply piston, piston dam and backing plate. Set aside remaining components for reuse.

3. Installation & Assembly (Refer to **Figure 2** on page 2)

- Install Sonnax apply piston into housing assembly.
- Reinstall OE clutch return spring.
- Install Sonnax piston dam. Using appropriate tools, compress piston dam just far enough to allow OE piston dam retaining ring installation.



WARNING: Use care to avoid damaging inner and outer sealing lips on piston dam. Compressing the piston dam too far will cause inner seal lip damage.

- Install Sonnax piston apply ring (**Figure 2**).
- Reinstall or replace OE waved plate, steel plates and frictions following OEM-recommended methods and procedures.
- Install Sonnax backing plate.
- Reinstall or replace OE backing plate retaining ring.



NOTE: OE retaining ring is selective and is available in varying thicknesses to allow for proper setting of clutch clearance (**Figure 1**).

Backing Plate Selective Retaining Rings

Figure 1

GM Part No.	Thickness	Color I.D.
24233407	.063–.067"	Yellow
24233408	.080–.083"	None
24233406	.096–.100"	Purple

Figure 2

