

COMPLAINT

SECONDARY COMPLAINTS

Low line pressure

• High line pressure • Harsh shifts • Lack of cooler flow • Blued converters

CAUSE

The constant oscillation of the pressure regulator valve results in bore wear, which allows leakage of valuable oil and improper functioning of the valve.

CORRECTION

The Sonnax oversized pressure regulator valve eliminates leakage of both balance oil and line pressure that can occur when the valve body becomes worn.

Oversized Pressure Regulator Valve

74846-05

1 Oversized Pressure Regulator Valve



Measure OE valve small diameter before reaming. OE must be .357".

74846-TL5

1 Reamer Jig
1 Reamer

Also available

74846-04

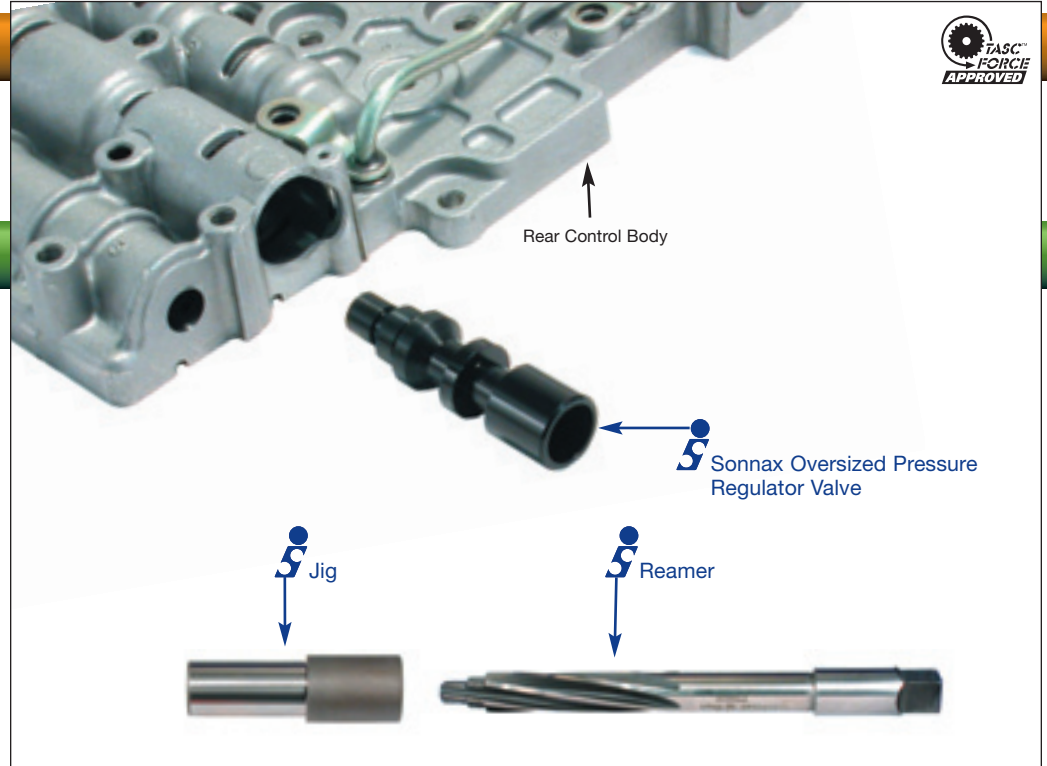
1 Oversized Pressure Modulator Valve

GF4A-EL Only



74846-TL4

1 Reamer Jig
1 Reamer



Sonnax Part Summary

Vehicles with a G4A-EL, G4A-HL or GF4A-EL transmission may have problems with low line pressure, high line pressure, harsh shifts, lack of cooler flow, and/or blued converters. Many times these complaints can be traced back to a worn valve body bore at the pressure regulator valve. If line balance or cutback feed pressure is allowed to leak, the valve can't regulate line pressure, so pressures remain high. TV balance pressure reduces line pressure in second, third and fourth gears, so leaks at these spool diameters can cause harsh shifts. If the bore is worn at the line pressure passage, valuable line pressure may exhaust to sump. Sonnax has developed an oversized pressure regulator valve 74846-05 for these applications.

Features & Benefits

- The spring seat on the valve has been modified to compensate for the oversized valve and also provides higher line pressure at idle.
- Used in conjunction with Sonnax reamer kit 74846-TL5 to ream the valve body bore, this valve restores the hydraulic integrity of the circuits and prevents leakage.

Note: It is highly recommended that the pressure modifier valve bore be checked for wear on the GF4A-EL unit as well. Wear at this bore can result in erratic shift quality and high/low line and EPC pressures. Sonnax offers an oversized pressure modifier valve, 74846-04, which can be used to refurbish bore wear at this location.