

COMPLAINT

SECONDARY COMPLAINTS

Clutch or band failure, delayed reverse, soft shifts

• Insufficient line rise • Broken cases • Erratic or uncontrollable pressure in reverse • Throttle buzz

CAUSE

Wear at the pressure regulator valve bore and reverse boost sleeve allows valuable EPC, line pressure and reverse boost to exhaust.

CORRECTION

The Sonnax kit includes an oversized pressure regulator valve to restore correct clearances for proper hydraulic control, and a replacement reverse boost valve assembly.

Oversized Pressure Regulator Valve and Reverse Boost Valve & Sleeve Kit

76948-16K '91-'95

76948-17K '96-up

Each kit includes the following

- 1 Oversized Pressure Regulator Valve
- 1 Oversized Reverse Boost Valve & Sleeve



The oversized reverse boost valve and sleeve supplied in these kits must be used when replacing the PR valve.

76948-TL4

2 Reamers

Note: This tool kit allows the bore to be oversized at the bench to fit both **76948-16K** and **76948-17K**.

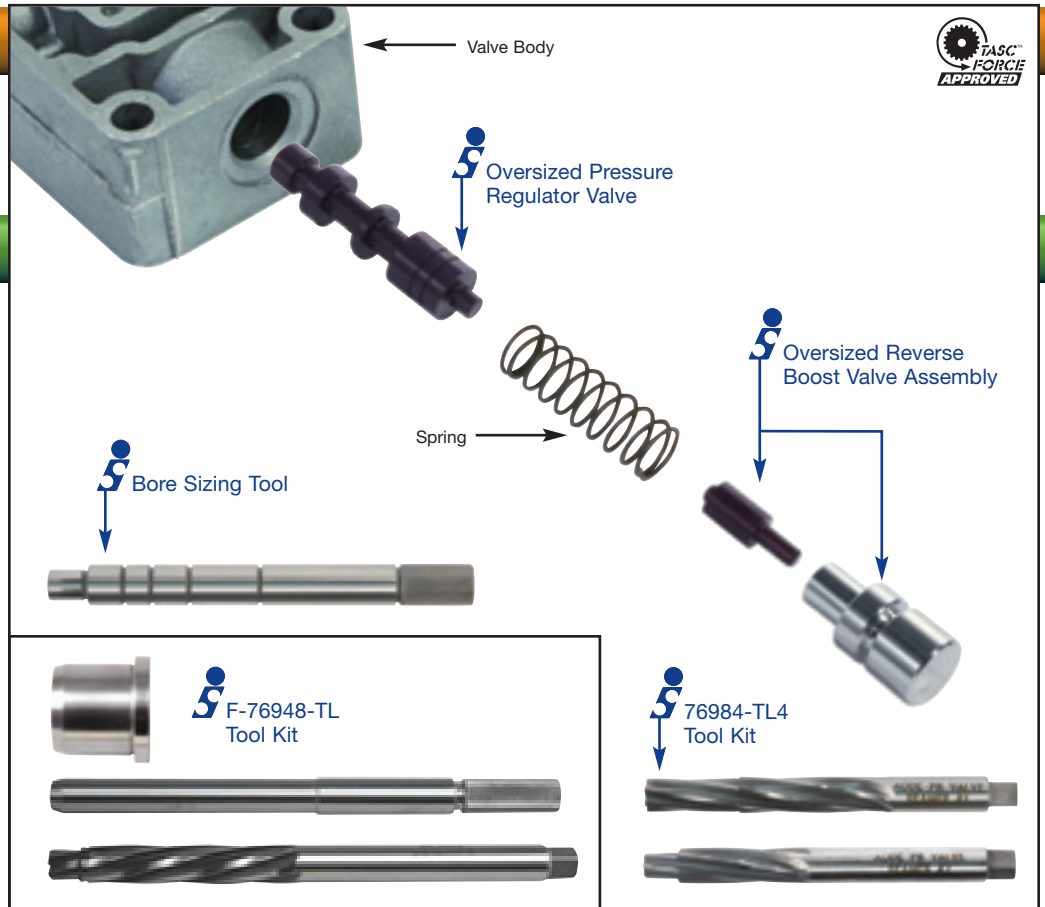
76948-BST

1 Bore Sizing Tool

Note: This bore sizing tool is highly recommended to provide exact sizing and better bore surface finish after the reaming with **76948-TL4**.

F-76948-TL

- 1 Reamer Jig
- 1 Guide Pin
- 1 Reamer



Sonnax Part Summary

A common complaint in vehicles with AODE and 4R70W transmissions is low line pressure or throttle-sensitive buzz, especially when hot. This wear allows EPC (electronic pressure control) oil to leak to exhaust, resulting in poor line rise. When the oil temperature increases, the oil becomes less viscous and more leakage occurs.

Sonnax offers standard size valves **76948-01** ('91-'95) and **76948-09** ('96 & up). However, when valve bodies are severely worn, a standard size replacement valve will still allow leakage. Sonnax also offers **76948-16K** and **-17K**, two oversized pressure regulator valves that allow the valve body to be salvaged.

Features & Benefits

- Improved PR/EPC reaction area ratio provides higher line rise response to EPC pressure, which results in noticeably firmer shifts.
- Oversized pressure regulator valves are manufactured from hard-anodized aluminum to prevent wear.
- PR valves have annular grooves to prevent side loading that results in wear.
- The spring seat on the PR valves has been lengthened to compensate for the increased diameter.
- Anodized aluminum boost valve is slightly larger than OEM, to provide to correct ratio with the oversized pressure regulator valve.
- Either tool kit works for all model years.

