

## COMPLAINT

SECONDARY COMPLAINTS

## Erratic shift quality

- High/low line pressure
- High/low EPC pressure

## CAUSE

The constant oscillation of the steel pressure modifier valve wears the bore, resulting in loss of valuable EPC oil.

## CORRECTION

Reaming the pressure modifier valve bore provides a precision fit for the new Sonnax oversized valve to seal oil at the balance end to correct high line pressure. It also seals line pressure oil at the middle spools, preventing low line pressure.

## Pressure Modifier Valve

### 74846-04

1 Oversized Pressure  
Modifier Valve



### 74846-TL4

1 Reamer  
1 Reamer Jig

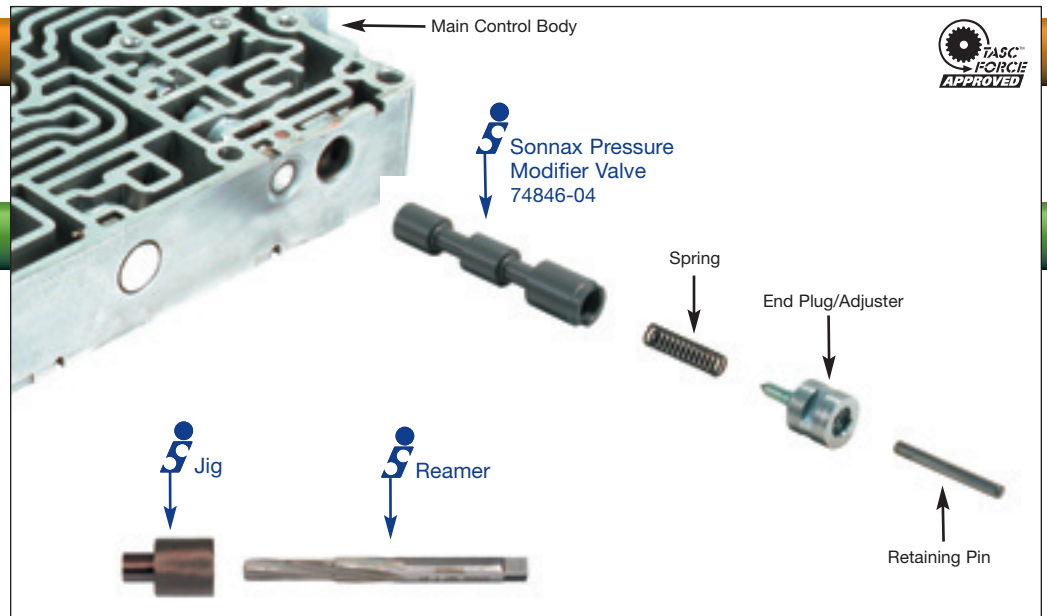
Also available

**74846-01K** GF4A-EL, F4A-EL & F4EAT  
Boost Valve Kit

### 74846-05

GF4A-EL, G4A-EL, G4A-HL

Oversized Pressure  
Regulator Valve Kit



### Sonnax Part Summary

When the balance spool bore in G4FA-EL units wears, the valve won't stroke to regulate EPC pressure. If the middle spool bore wears, line pressure will be allowed to exhaust. The Sonnax oversized pressure modifier valve **74846-04** allows the worn valve body to be reamed to restore hydraulic integrity to the circuit.

It is highly recommended that the pressure regulator bore also be checked for wear. A worn pressure regulator bore can result in low/high line pressure, harsh shifts, lack of cooler flow, and/or blued converters. Sonnax offers an oversized pressure regulator valve, **74846-05**, which will restore the integrity of a worn bore.

### Features & Benefits

- Valves are manufactured from anodized aluminum for better wear resistance.
- The spring seat depth has been shortened to compensate for the oversized valve, so the OEM spring can be reused.

**Note:** Reamer kit **74846-TL4** must be used to oversize the bore prior to installation of the oversized pressure modifier valve.