

## COMPLAINT

SECONDARY COMPLAINTS

Codes 628/1744/1740, lube oil loss

- Reduced converter clutch life • Bushing or planet failure

## CAUSE

Casting bore wear at the bypass clutch valve and plunger sleeve wear allow converter apply and release pressure to exhaust.

## CORRECTION

The Sonnax reamer restores the bypass clutch control bore while the OS valve re-establishes bore fit and extends life through additional spool support and annular grooves.

## Bypass Clutch Control Kit

### 73840-BK

- 1 OS Bypass Clutch Valve
- 1 Plunger Valve
- 1 Bypass Clutch Control Sleeve
- 4 Lubrication Plugs (1 extra)



### 73840-BTL

- Serves 73840-BK only
- 1 Reamer
  - 1 Reamer Jig
  - 3 Drill Bits (for lube modification)

Also Available:

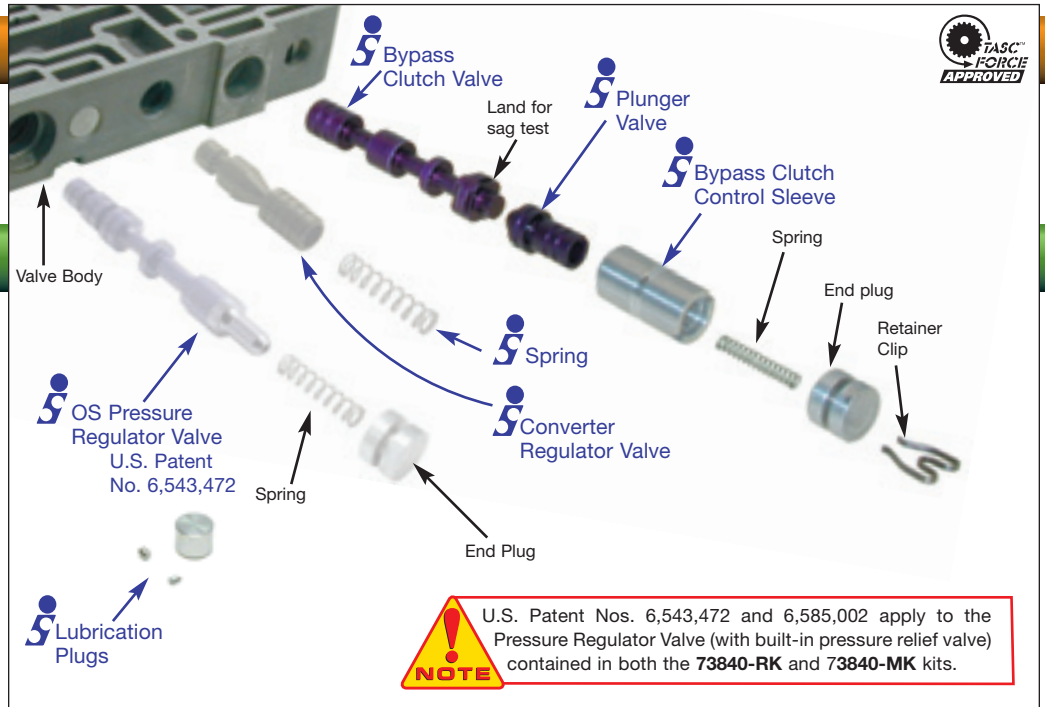
### 73840-MK

- Master Kit includes
- 73840-RK - Pressure Regulator Valve Kit
  - 73840-BK - Bypass Clutch Control Kit



### 73840-MTL

- Master Tool Kit includes
- 73840-RTL (services 73840-RK only)
  - 73840-BTL (services 73840-BK only)



### Sonnax Part Summary

Worn bores in the converter bypass line-up reduce TCC control and cooler flow. This results in bushing or planet failure, reduced converter clutch life from overheating and often results in codes 628/1744/1740. Slippage codes are often generated as the unit comes up to operating temperature. As the temperature rises, valve control becomes poor and excessive clearance creates excessive leakage of converter pressure. Sonnax offers a Bypass Clutch Control Kit, 73840-BK, with a tightly toleranced sleeve and plunger valve to prevent leakage, and an oversized and improved design bypass clutch valve.

### Features & Benefits

- Plunger sleeve is manufactured from highly wear-resistant aluminum.
- Plunger valve and oversized bypass clutch valve have extended spools for better support and annular grooves to prevent wear due to side loading.
- Both valves are hard-coat anodized to prevent future wear.
- Lubrication plugs increase lube and converter pressures by tapping into line pressure instead of depleting converter feed.

**Note:** This kit cannot address high line pressure in the PR balance circuit, which can break up parts and reduce flow into the converter/cooler circuits. For information on that repair, see part number 73840-RK.

Save

Up to \$300 in valve body replacement costs