

COMPLAINT

SECONDARY COMPLAINT

Forward clutch failure, low base line pressure

- Delayed forward engagement

CAUSE

Low line pressure.

CORRECTION

Replace the existing spring with this stronger pressure regulator spring or PR spring and valve kit.

Elevated Pressure Regulator Spring and Valve Kits

76948-06

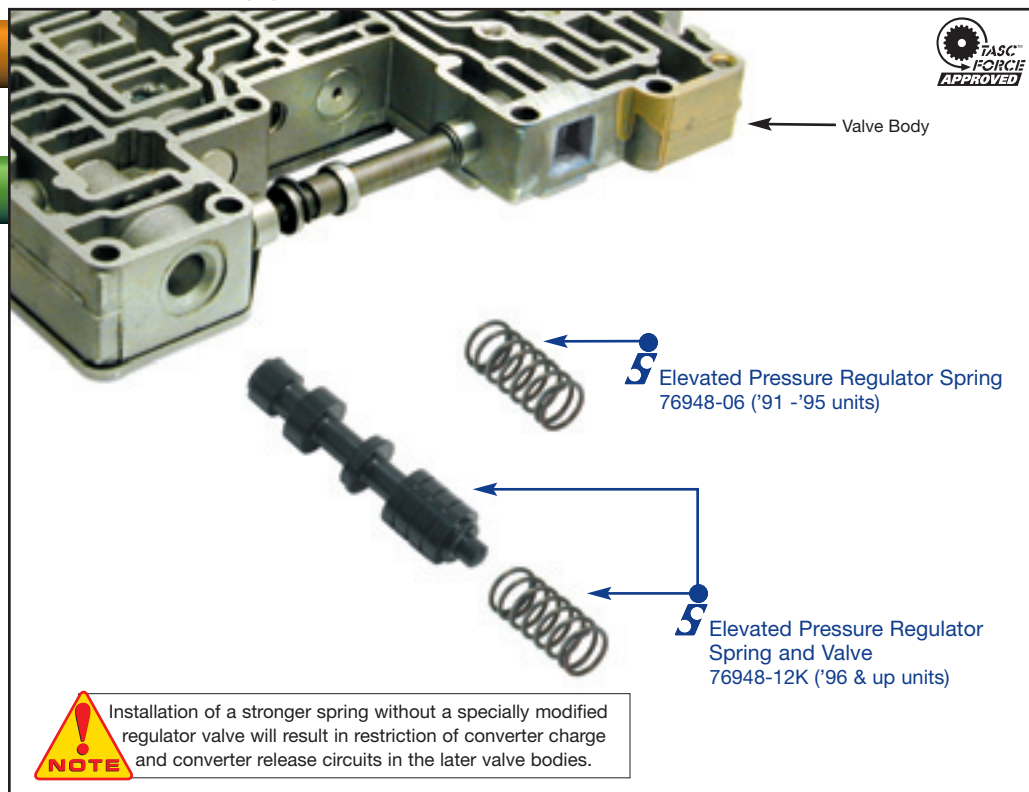
'91-'95

5 Elevated Pressure Regulator Springs

76948-12K

'96 & up

1 Elevated Pressure Regulator Spring
1 Modified PR Valve



Sonnax Part Summary

Low line pressure in heavy-duty applications of Ford AODE and 4R70W transmissions results in forward clutch failure due to slippage. A stronger regulator spring is required to bring the base line pressure up to 68 psi in '91-'95 valve bodies with the early style pressure regulator valve. In 1996, Ford made a change to both the pressure regulator valve and valve body casting. The valve spool locations were changed slightly, and the spool diameter controlling line to converter feed was stepped. Due to these OEM changes, installation of a stronger spring without a specially modified regulator valve will result in restriction of converter charge and converter release circuits in the later valve bodies, and may cause the engine to stall or surge at an idle or create converter shudder.

Features & Benefits

- The Sonnax regulator spring **76948-06** will ensure the proper clutch engagement for '91-'95 valve bodies with the early style pressure regulator valve.
- Sonnax kit **76948-12K** contains a properly metered pressure regulator valve and stronger spring to work on the '96 and later valve bodies.
- Closely toleranced PR valve is made from high-quality aluminum and has been specially hard coated to eliminate excessive wear.
- Annular grooves have been added to the valve to prevent side loading that causes wear.