

**COMPLAINT**

SECONDARY COMPLAINTS

**Direct clutch failure**

• Poor line rise • Reverse shudder

**CAUSE**

Boost valve wearing the inside diameter of the boost sleeve causes oil to leak past boost valve and exhaust or cross leak.

**CORRECTION**

Closely toleranced boost valves and sleeves will restore hydraulic integrity.

**Reverse Boost Valve & Sleeve Kits**

Gas Ratio:

**36946-01K**

O-Ring Style

**36946-04K**

Factory Style

**36941-01K**

Clicker Style

Diesel Ratio:

**36946-02K**

O-Ring Style

**36946-03K**

Factory Style

Each includes the following

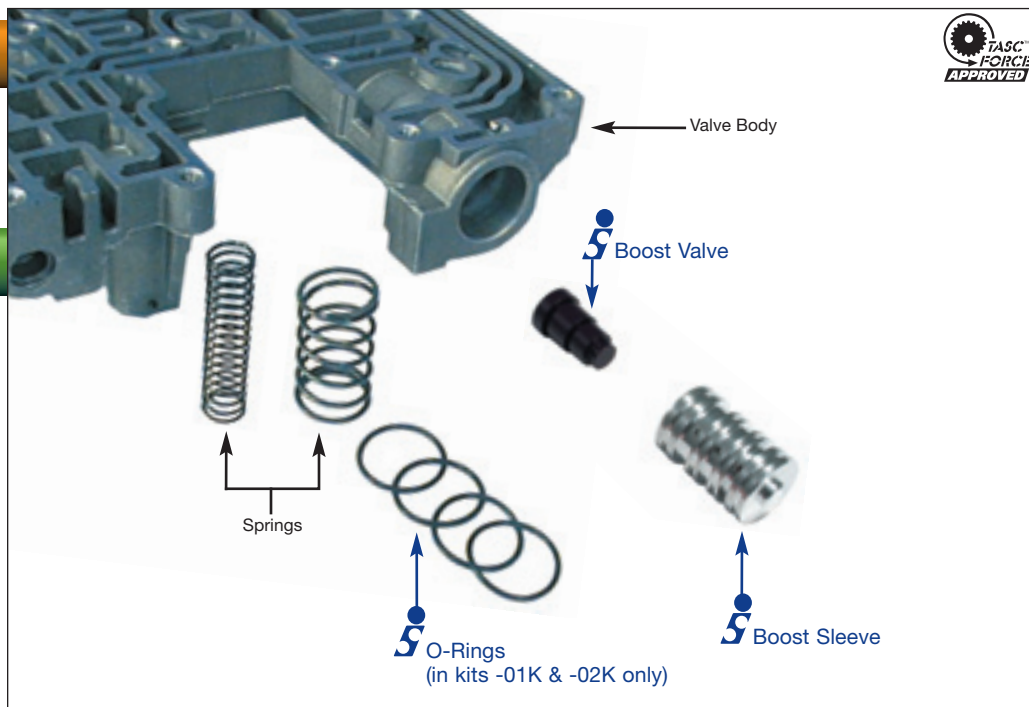
1 Boost Valve

1 Boost Sleeve

4 O-Rings (in kits 36946-01K &amp; -02K only)

3 O-Rings (in kit 36941-01K only)

**Note:** This does not recalibrate shift timing, or allow gas and diesel valve body interchange!

**Sonnax Part Summary**

Vehicles with a C6 transmission often have poor line rise, which results in erratic shift timing, reverse shudder or direct clutch failure. This can be caused by the reciprocating boost valve wearing the inside diameter of the boost sleeve. When this occurs, oil that enters the modulated line pressure orifice leaks past the boost valve and exhausts through the reverse orifice, resulting in poor or no line rise. The outside diameter of the boost sleeve may allow some leakage through the valve body, which can result in insufficient line rise. The Sonnax replacement reverse boost valve & sleeve kits eliminate the above problems.

**Features & Benefits**

- Sleeves are manufactured from highly wear-resistant aluminum alloy.
- Boost valves are made from hard-coat anodized aluminum to prevent excessive wear on the inside diameter of the boost sleeve.
- Replacement assemblies **36946-01K**, **36946-02K** and **36941-01K** include o-rings to provide additional protection against both cross leakage and oil exhausting through the valve body bore.
- The **36946-01K**, **36946-04K** and **36941-01K** kits provide normal line pressure boost (gas ratio).
- The **36946-02K** and **36946-03K** kits provide increased line pressure boost (diesel ratio) and are recommended for all heavy duty applications.
- The **36941-01K** kit works early model "clicker" versions with screw on boost valve end plate.

**Save****\$100** in valve body replacement costs