

## Throttle Boost Valve & Sleeve

**77917-01K** .423" diameter

**77917-471** .471" diameter

**77917-500** .500" diameter

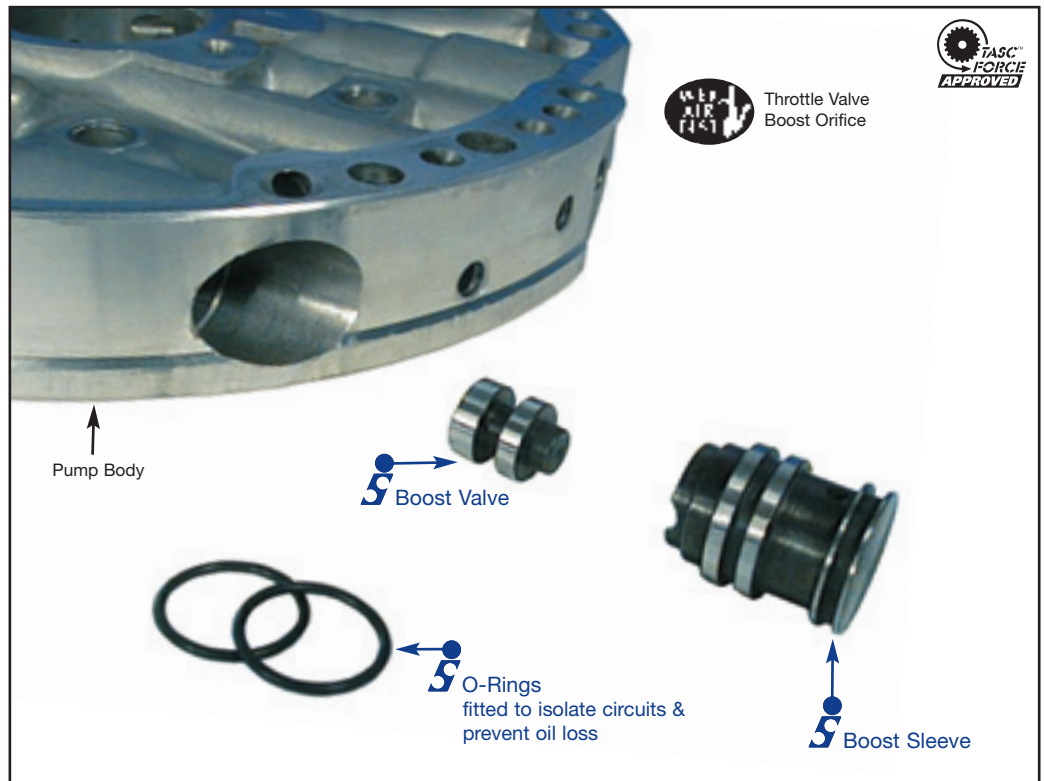
Each includes the following

- 1 Boost Valve
- 1 Boost Sleeve
- 2 O-Rings

Also Available

**K77898**

Reverse Boost Valve Kit



### Installation Instructions

To test for a worn throttle valve sleeve and valve assembly, perform a Wet Air Test with the pump halves still torqued together. Put a small amount of oil into the throttle valve boost orifice, as indicated on the illustration. Force low air pressure into the orifice. There should be no leakage around the outside diameter of the TV boost sleeve or from D2 or reverse passages. If a leak is detected, the TV boost sleeve is worn. Discard both the OEM sleeve and valve and replace with Sonnax kit **77917-01K**, **77917-471**, or **77917-500**.

To install the **77917-01K**, **77917-471**, or **77917-500** replacement assembly, place the o-rings into the grooves on the sleeve. Insert the valve into the sleeve with the nubbed end facing in, as shown. (If the throttle valve boost valve is installed backward, soft 2-3 shifts and low line pressure could result. If the reverse boost valve and bushing are installed backward, slipping in reverse and erratic shift feel could result. Refer to the illustration for proper orientation and order of parts.) Lubricate the bore and throttle valve sleeve. Carefully push the assembly in just far enough to install the snap ring.

### Sonnax No.

77917-01K

### Application

Minimum line pressure for V8

77917-471

Higher line pressure for towing, off-road, and high performance

77917-500

Maximum line pressure and shift feel for competition racing and pro-street

