

Throttle Boost Valve & Sleeve

77917-01K .423" diameter

77917-471 .471" diameter

77917-500 .500" diameter

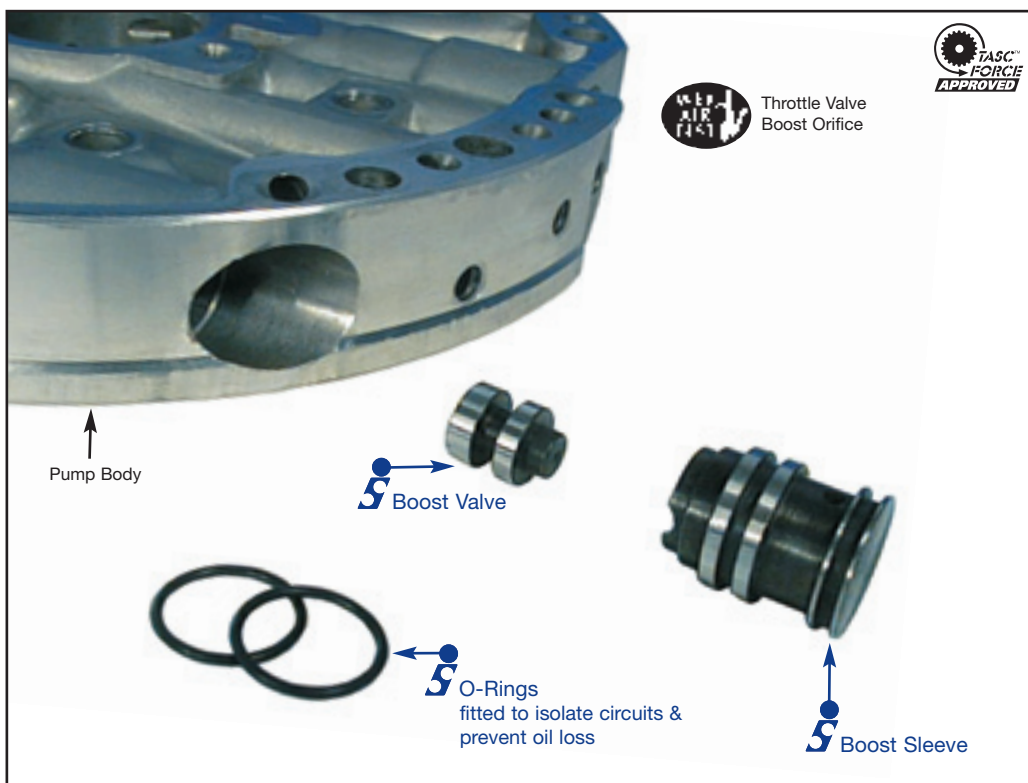
Each includes the following

- 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.	Application
77917-01K	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

