

## COMPLAINT

SECONDARY COMPLAINTS

## Poor reverse boost, delayed reverse

• Low line pressure • Poor upshift in manual low

## CAUSE

Worn reverse boost valve sleeve or wear at pump body.

## CORRECTION

This large reverse boost valve assembly is made from hardened steel and o-rings have been added to seal the reverse boost circuit and prevent leakage.

## Large Reverse Boost Valve & Sleeve

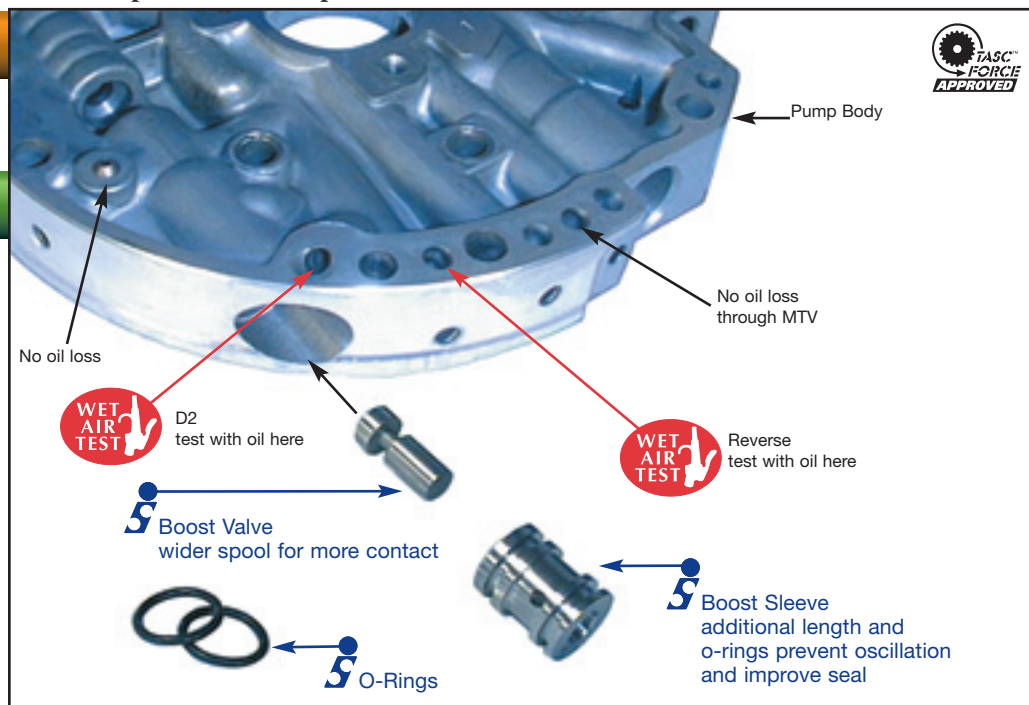
### K77898

1 Boost Valve  
1 Boost Sleeve  
2 O-Rings

Also Available:

### Throttle Boost Valve Kits

<b>77917-01K</b>	.423" dia.
<b>77917-471</b>	.471" dia.
<b>77917-500</b>	.500" dia.



### Sonnax Part Summary

Vehicles with a 4L60 transmission often have problems with poor reverse boost or upshifts in manual low. These are generally caused by a worn reverse boost valve sleeve or wear at the pump body. Sonnax now offers the larger (.283") reverse boost valve assembly **K77898**, which restores the hydraulic integrity of the assembly. Due to the differences in the thermal expansion rate of steel and aluminum when the transmission approaches operating temperature, the sleeve has been allowed excessive clearance and scrubs the bore.

### Features & Benefits

- Sleeve and valve are made from hardened steel for increased wear resistance.
- O-rings added to the boost sleeve seal the reverse boost circuit and prevent leakage from the pump body bore.
- Sleeve lands have been lengthened to add better sealing and stabilizing capabilities to prevent bore wear.
- The reverse boost valve spool lands have been lengthened to aid in maintaining hydraulic integrity.