

O-Ringed Valve End Plugs Kits

76999-04K Early: Pre mid-'83

3 Medium Plugs
1 Small Plug
8 Small O-Rings

76999-05K Late: Mid-'83 & later

1 Small Plug
8 Small O-Rings
2 Medium Plugs
1 3-4 Shift Valve Sleeve Assembly

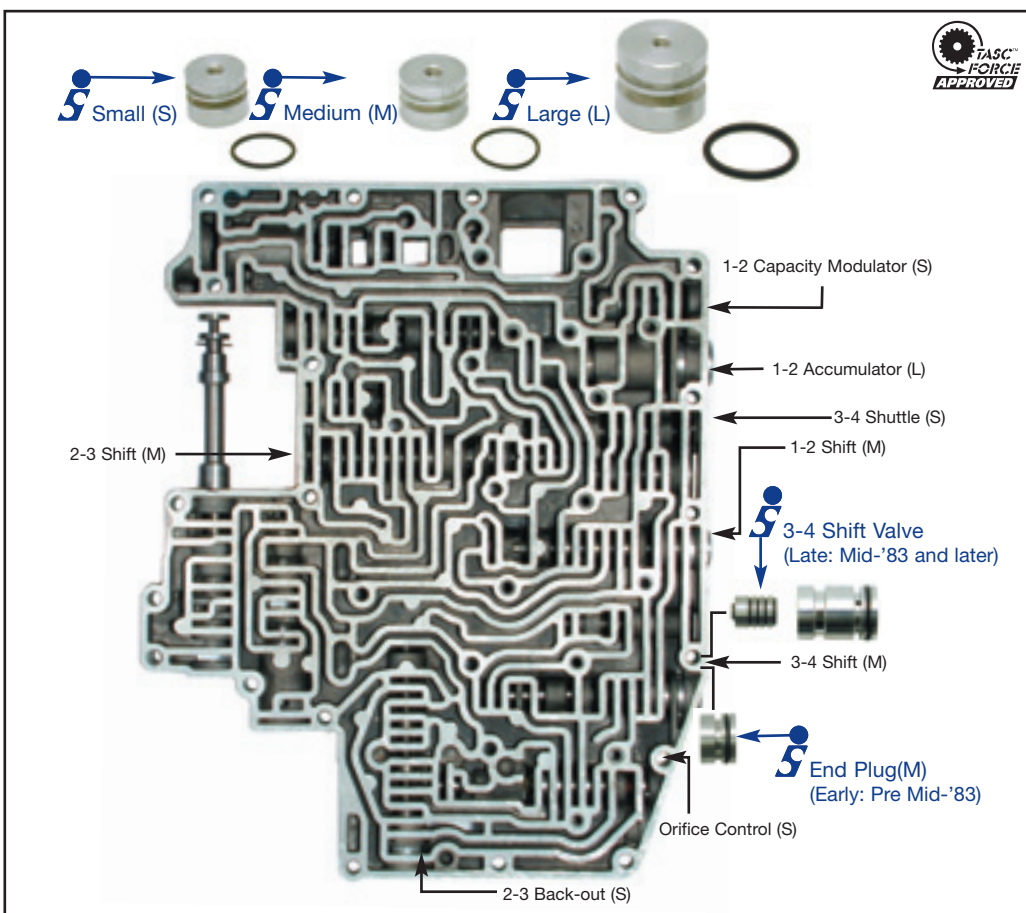
Note: Patent pending

76999-SML 76999-MED 76999-LRG

Each includes the following

3 Plugs
6 O-Rings

Note: All plugs have been redesigned with a single o-ring and tapped holes to ease installation and removal of the plugs.



Available Kits

Kit **76999-SML** includes 3 small plugs and 6 small o-rings. Kit **76999-MED** includes 3 medium plugs and 6 small o-rings. Kit **76999-LRG** includes 3 large plugs and 6 large o-rings.

Note: Each kit includes a spare o-ring for each plug.

Governor Circuit Plug Kit **76999-04K** for early transmissions (mid 1983 & earlier) includes 3 medium plugs (one which may be used at the rebuilder's discretion to seal leaky valve plugs), 1 small plug, and 8 small o-rings.

Governor Circuit Plug Kit **76999-05K** for late transmissions (mid 1983 and later) includes 2 medium plugs, 1 small plug, 8 small o-rings, and 1 valve and sleeve assembly (for 3-4 shift valve).

Wet Air Test

Each plug can be individually tested in its bore when isolated with a rag or plate. The most effective method is with the valve body assembled to the case, then Wet Air Tested through the output shaft governor feed holes. There is always minimal leakage across the shaft sealing rings. There should be no cross leakage between the governor and direct clutch circuits.

Small Plug & Small O-Ring	Medium Plug & Small O-Ring	Large Plug & Large O-Ring
1-2 Capacity Modulator	1-2 Shift	1-2 Accumulator
Orifice Control	2-3 Shift	
2-3 Back-out (optional)	3-4 Shift*	
3-4 Shuttle (optional)		
OD Servo Regulator		

*Use sleeve assembly (76999-05K) for late model transmission applications

Instructions

1. If valve is not going to be removed, hold/wedge the valve inward with small flat blade screwdriver to keep the valve in place.
2. Remove the original plug from the valve body and discard.
3. Install o-ring into outer groove of Sonnax plug, pre-lube with assembly lube.
4. Rotate the end plug during install, and push into valve body bore with threaded hole facing out, just enough to return the retaining clip. The 8-32 UNC threaded hold may be used to assist in plug installation and removal.