

IPT Performance Transmissions
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Hawthorne, NJ 07506
1-866-82-TRANS or 973-238-0079

Modified Valve Body Instructions- Nissan RWD

Automatic transmissions operate at temperatures that can exceed 200 degrees Fahrenheit, we strongly recommend that you let your vehicle cool down before beginning this operation. **If at any time during the process you reach a step that you don't understand, call us for product support.** Please read and familiarize yourself with the instructions before you get started. Remember cleanliness is very important in any automatic transmission work- have a couple of cans of brake parts cleaner on hand before you start.

- 1) Securely raise vehicle and remove transmission pan.
- 2) Remove filter, being careful not to misplace the filter "o" ring
- 3) Straighten harness retaining tabs and then remove clips and separate internal trans harness from the temperature sensors and solenoid assemblies. Note: often times, the plastic connectors are brittle. A heat gun, used in moderation, will serve to enable you to remove the connectors without damaging them.
- 4) Remove all but one of the valve body to case bolts (see illustration)

- 5) Carefully begin loosening the remaining bolt and lower the valve body from the vehicle, at this point, three springs will fall down with the valve body.

Packaging Information:

When the valve body is removed, please drain it off a bit, wrap it in some paper towels and place it in a large Zip-lock bag. Try to package everything carefully in bubble wrap, shipping peanuts, etc.- the idea is to prevent any possible damage to this fragile component during transit.

We will also need the accumulator springs and pistons (see illustration) please bag or wrap them individually before placing them in the box with the valve body.

We also strongly recommend that you insure the valve body for at least \$500 with whomever is being used for shipping- insurance is cheap, valve bodies are expensive.

Installation procedure

- 1) Sort all hardware by the respective bolt length.
- 2) Install supplied 1-2 accumulator spring, in addition to the two
- 3) factory springs. Use supplied assembly grease to retain springs in pistons. (see illustration).
- 4) Raise valve body to case, taking care to simultaneously engage manual valve into protrusion on the rooster comb assembly.

- 5) First install one bolt, finger tight, then install remaining bolts and brackets- just snug, using the illustration as a guide to bolt length and location.
- 6) Torque all bolts to 80 inch pounds.
- 7) Reconnect connectors and secure the harness into its tabs.
- 8) Install filter and filter “o” ring- torque filter bolts to 80 inch pounds.
- 9) Clean and install pan with new pan gasket.
- 10) Adjust band- 50 inch pounds and then back off 1 ¾ turns.
- 11) Put 4 quarts of ATF into transmission and start motor.
- 12) Check fluid as you add until trans is full (this could require 3 or 4 more quarts)
- 13) With the drive wheels off the ground (and the vehicle securely on jack stands) Run the transmission through the gears.
- 14) Lower vehicle and road test for 2-3 miles.

*Note that many Nissan computer systems will not enable overdrive until the engine has reached normal operating temperature.
- 15) Recheck fluid level.

Use this picture as a guide for placement of sensors, clamps, etc.

S = SHORT BOLT

L = LONG BOLT

TO REMOVE
VALVE BODY--
REMOVE ONLY
BOLTS MARKED
S AND **L**

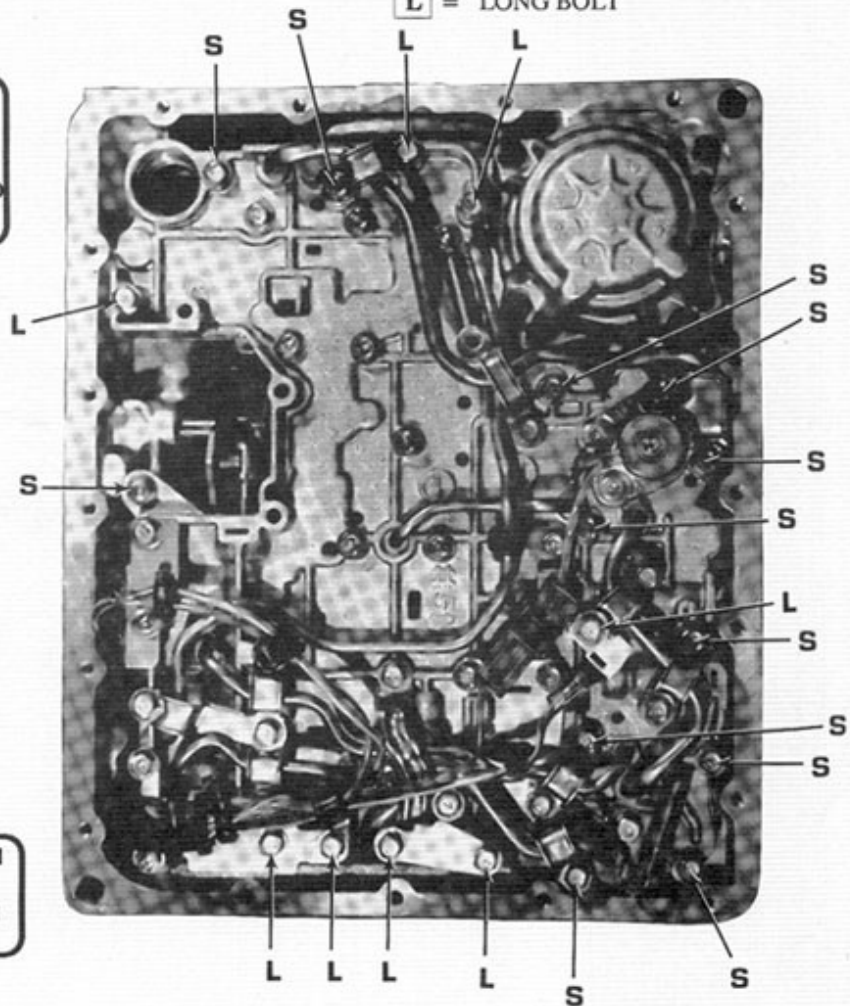


PHOTO SHOWN
WITH FILTER
REMOVED FOR
CLARITY

NOTE: NO PIPES NEED TO BE REMOVED FOR
VALVE BODY REMOVAL.

