

IPT Performance Transmissions
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Modified Valve Body Instructions- Toyota 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.

- 1) Securely raise vehicle and remove transmission pan.
- 2) Remove filter, being careful not to misplace the filter gaskets
- 3) Straighten harness retaining tabs (if applicable) and then remove clips and separate internal trans harness from and solenoid assemblies. Note: often times, the plastic connectors are brittle from age. A heat gun, used in moderation, will serve to enable you to remove the connectors without damaging them.
- 4) Remove tubes and disconnect throttle cable (if applicable). Remove all but one of the valve body to case bolts (see illustration). Do not remove the gold colored bolt that retains the detent spring (see illustration 2).
- 5) Carefully begin loosening the remaining bolt and lower the valve body from the vehicle, at this point, several springs and a check valve will fall down with the valve body. Be careful not to lose any of the parts.

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 springs and check valve. Use supplied assembly grease to retain springs and check valve (spring side up) in case (see illustration).
- 3) Raise valve body to case, taking care to simultaneously engage manual valve into protrusion on the rooster comb assembly. It is easiest to do this with the shifter in neutral, as valve body is shipped with the manual valve in this position. (See illustration 2)

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

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





