

U151-Boost

Steel Replacement PR & Clutch Apply Boost Valve Kit



Fixes: High Mileage or Worn out Boost Assy's causing lazy or low pressure rise, slip codes & erratic shift complaints.

Fits: U150, U151 & U250 Toyota & Lexus Models

Clutch Apply Boost Installation:

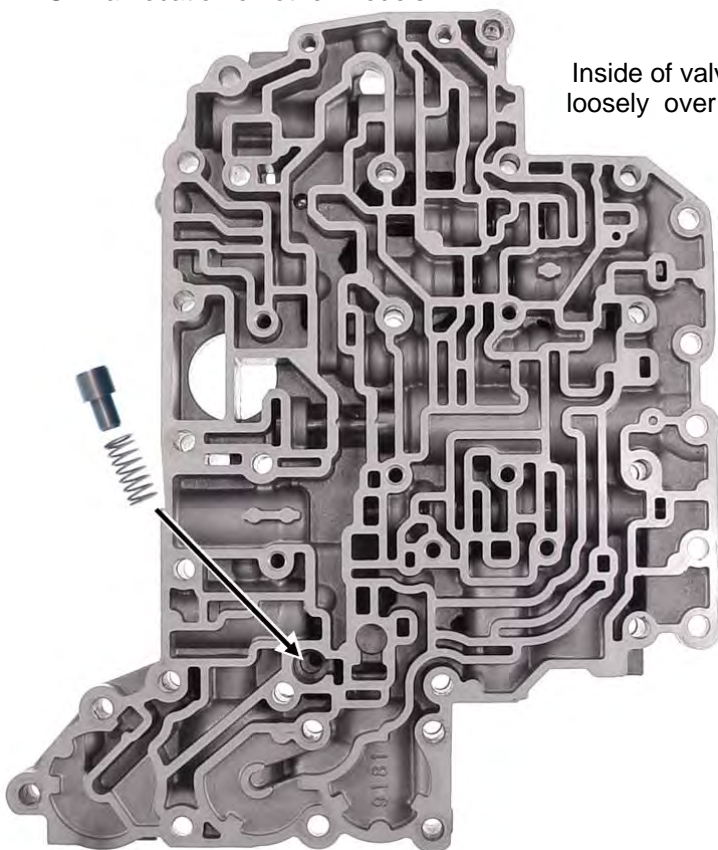
Re-install all small parts as you found them if they are different from what is shown!



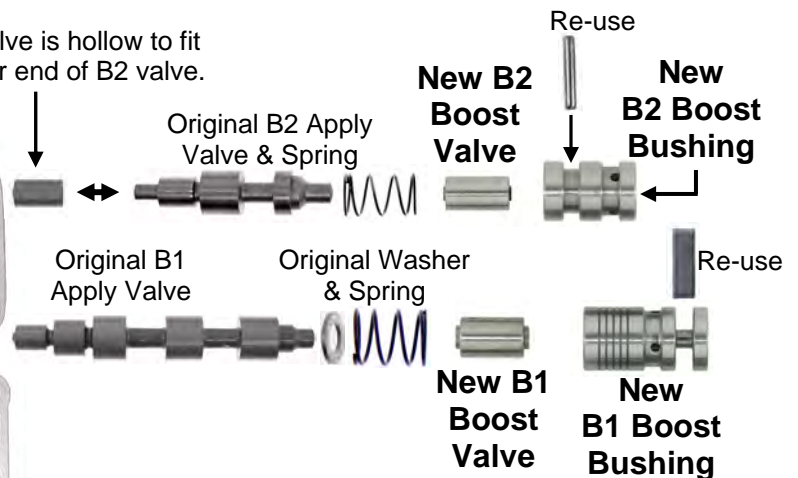
U151 Lower VB Shown
Similar location on other models.

Step 1

Re-use original B2 Apply Valve & Spring. Replace original Boost Assembly with **New Steel B2 Boost Valve & Bushing**. Re-use Pin.



Inside of valve is hollow to fit loosely over end of B2 valve.



Step 2

Re-use original B1 Apply Valve, Washer & Spring. Replace original B1 Boost Assembly with **New Steel B1 Boost Valve & Bushing**. Re-use retainer.



Tech Tip:

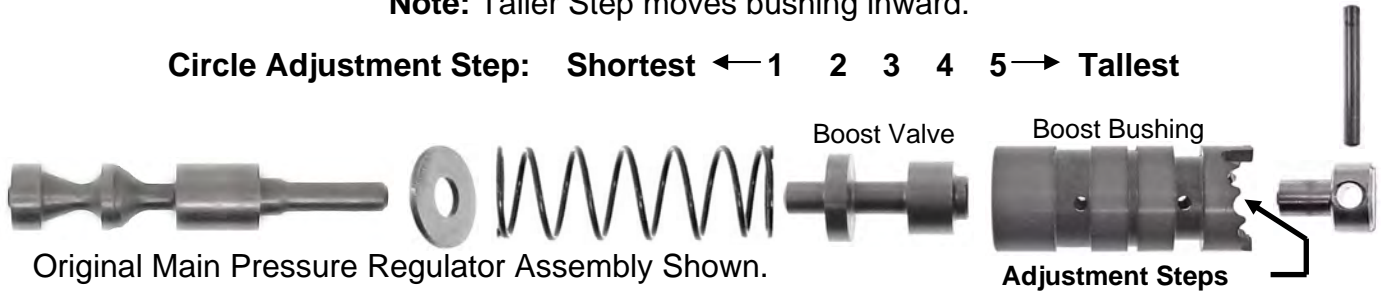
Always replace Linear Solenoids on high mileage or contaminated units. #1 call for a re-work headache is from skimping on solenoid replacement during original repair.

Pressure Regulator Boost Installation: Look Here First!

Before removing old **Boost Assembly**, circle the step number that the retaining pin is using on the bushing, for the **Original Adjustment** setting.

Note: Taller Step moves bushing inward.

Circle Adjustment Step: Shortest ← 1 2 3 4 5 → Tallest



Step 1 Re-use original Main Reg Valve, Washer & Spring. Replace original Boost Assembly with **New Steel Boost Valve & Bushing**. For initial adjustment, follow guide below.

Adjustment Guide:

If adjuster was on **3rd or Lower Step**:

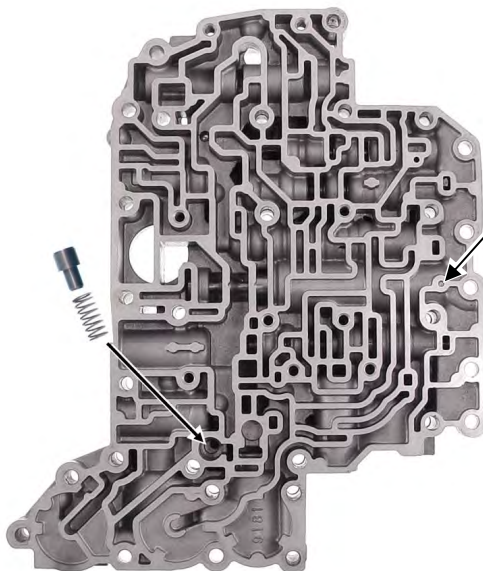
Use our New Boost Bushing and Valve **WITHOUT** the Shim.

If adjustment was on **4th or Higher Step**:

Use our New Boost Bushing and Valve **with** the New Shim provided.

U151 Lower VB Shown

Similar location on other models.



Retainer Location

Main Pressure Regulator (PR)

Re-use



New Boost Valve

New Boost Bushing

Re-use

Only use new Shim if original adjustment was on the 4th or 5th step.

Don't know which step was used originally?
Install Boost Assembly **WITHOUT** Shim.
(Most all were originally on 3rd step.)



Have a great day!

Mr. Shift

Using the **SK® U151** with this **U151-Boost** kit is an excellent way to prevent common problems in high mileage U150, U151 & U250 transmissions and are a key part of a successful repair. Thanks for listening!

The Tech Team

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