

# SK<sup>®</sup> 340

Fits: 1987-2014 4 Speed Toyota  
340, 341, 343 & Jeep AW4.



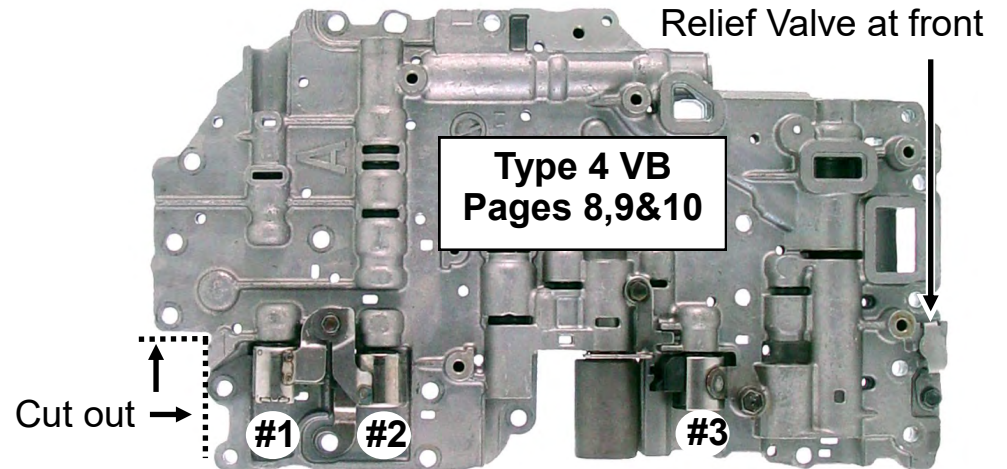
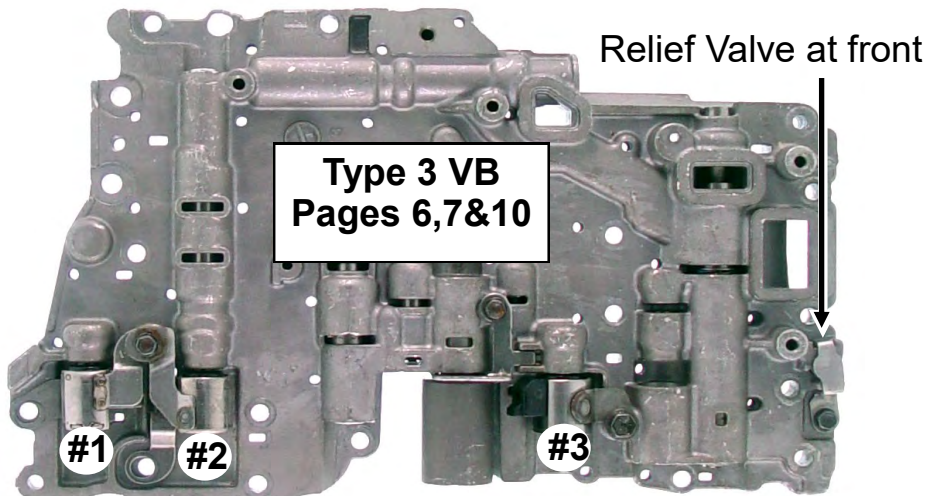
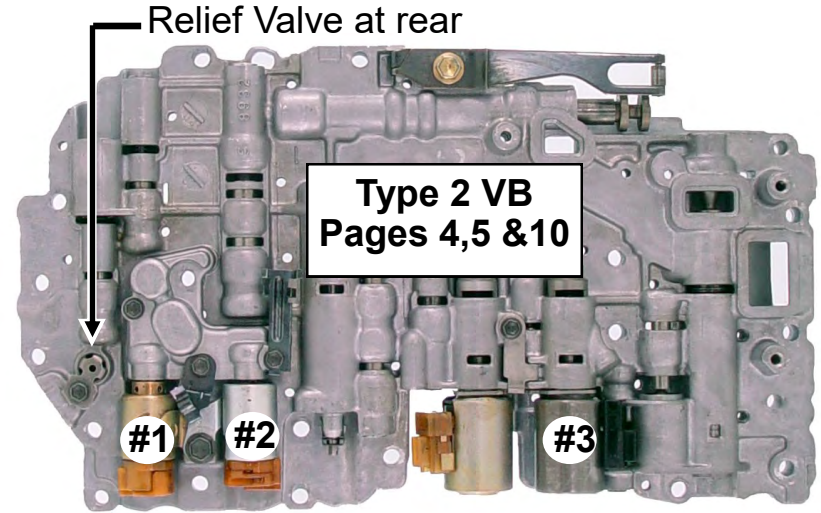
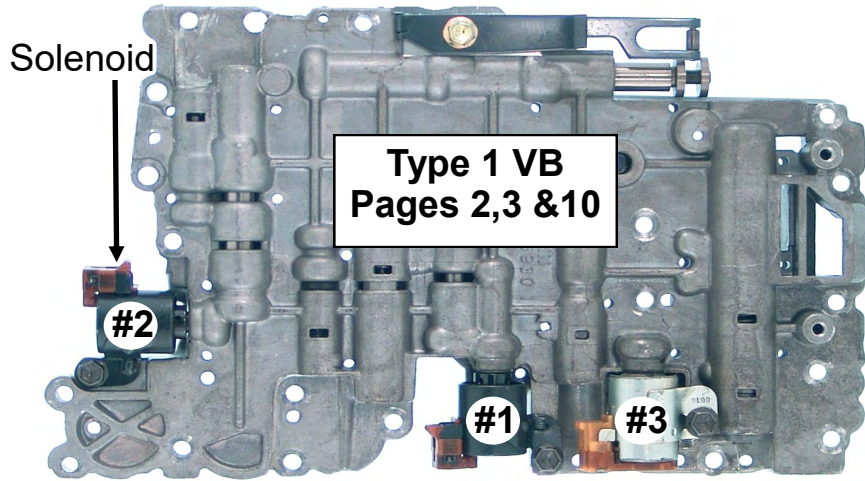
Product Support 626 443-7451

## Corrects/Reduces:

Rough shifts when cold, soft shifts, lazy kick down. Reduces TCC Slip and Overheating.

## Identify Valve Body First!

Follow page numbers for type of valve body you have.



# Type 1 Upper Valve Body

Check Ball diameter  
Ⓒ .218 Ⓓ .279 Ⓔ .250

**Type 1 Lock up Relay Valve Assembly**

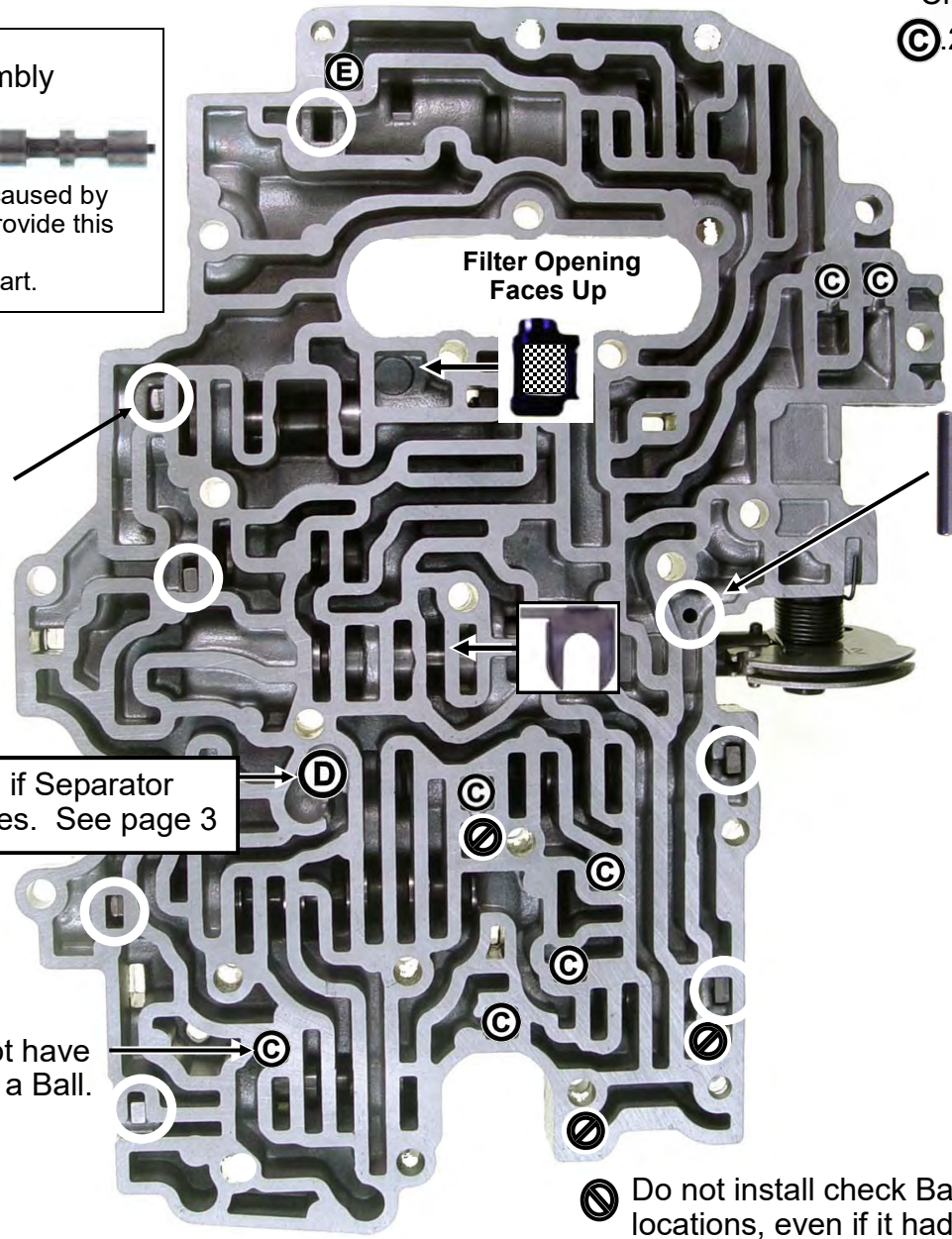


Lock up issues and overheating concerns can be caused by wear in the L/up relay valve bushing. We do not provide this assembly, however, it is available from the dealer. (Toyota p/n 35215-30020) and as an aftermarket part.

**Attention:**  
Retainer locations vary.

Install .279 Ball if Separator Plate has 2 holes. See page 3

Some VB's do not have a pocket here for a Ball.

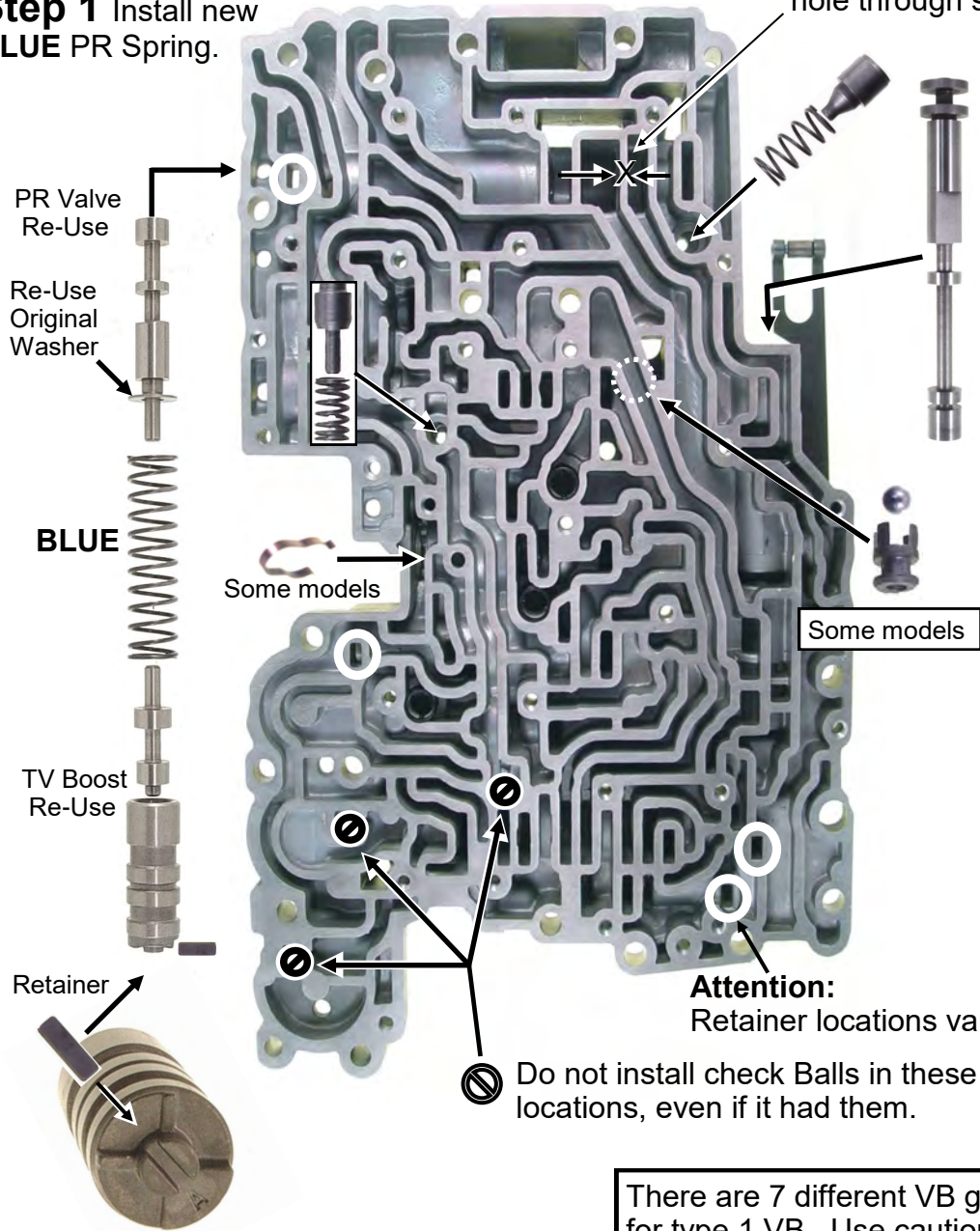


Ⓝ Do not install check Balls in these locations, even if it had them.



# Type 1 Lower Body & Plate

**Step 1** Install new BLUE PR Spring.

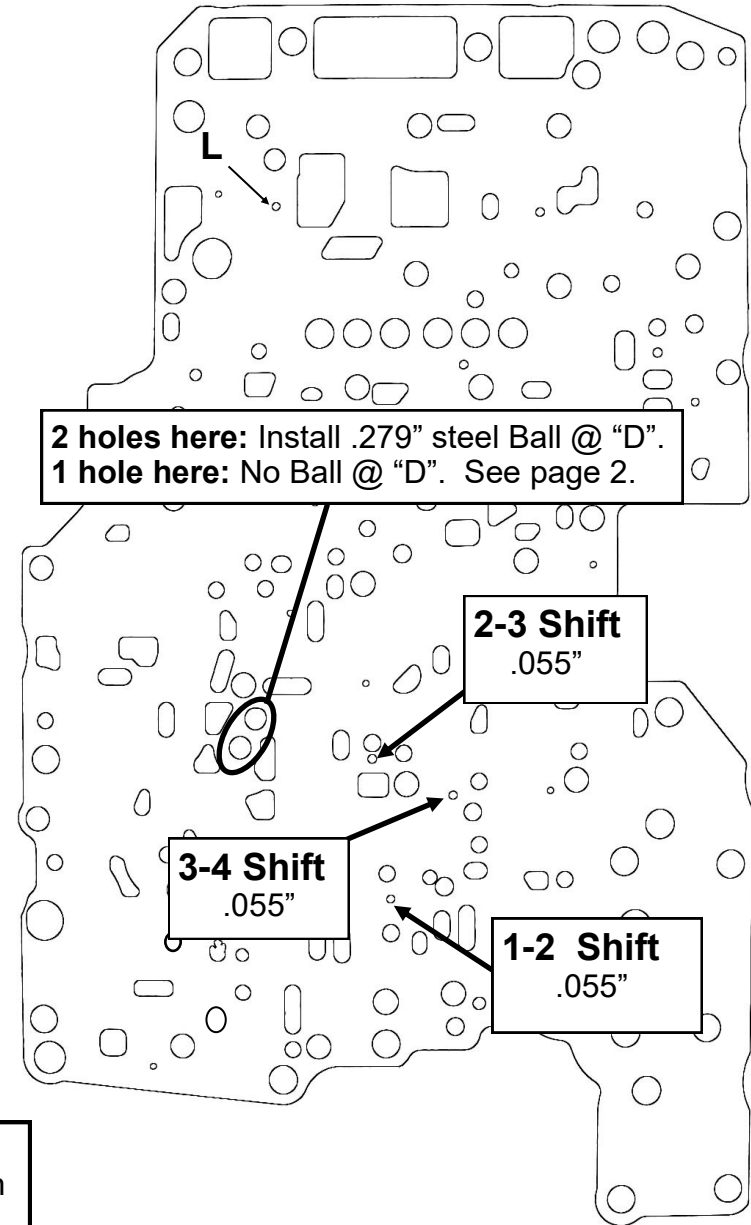


## Step 2

If hole "L" does **not** exist in your plate, drill a .055" hole through side of VB partition under "X".

## Step 3

Drill shift feed holes in plate .055".



TV Boost Re-Use

Retainer

Some models

Some models

**Attention:**  
Retainer locations vary.

Do not install check Balls in these locations, even if it had them.

There are 7 different VB gaskets for type 1 VB. Use caution when selecting new Gaskets.

# Type 2 Upper Valve Body

**Step 1**  
Install new Lock up Bushing,  
Valve & Retainer.

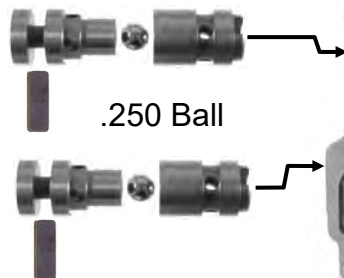


**Attention:**  
Retainer locations vary.

These 2 check balls  
are .250" dia.  
The rest are .218"

Valve Body may have EPC  
Solenoid or a Cam for TV cable.  
Kit works with both.

**Watch it!**  
These check Valves like to fall out.

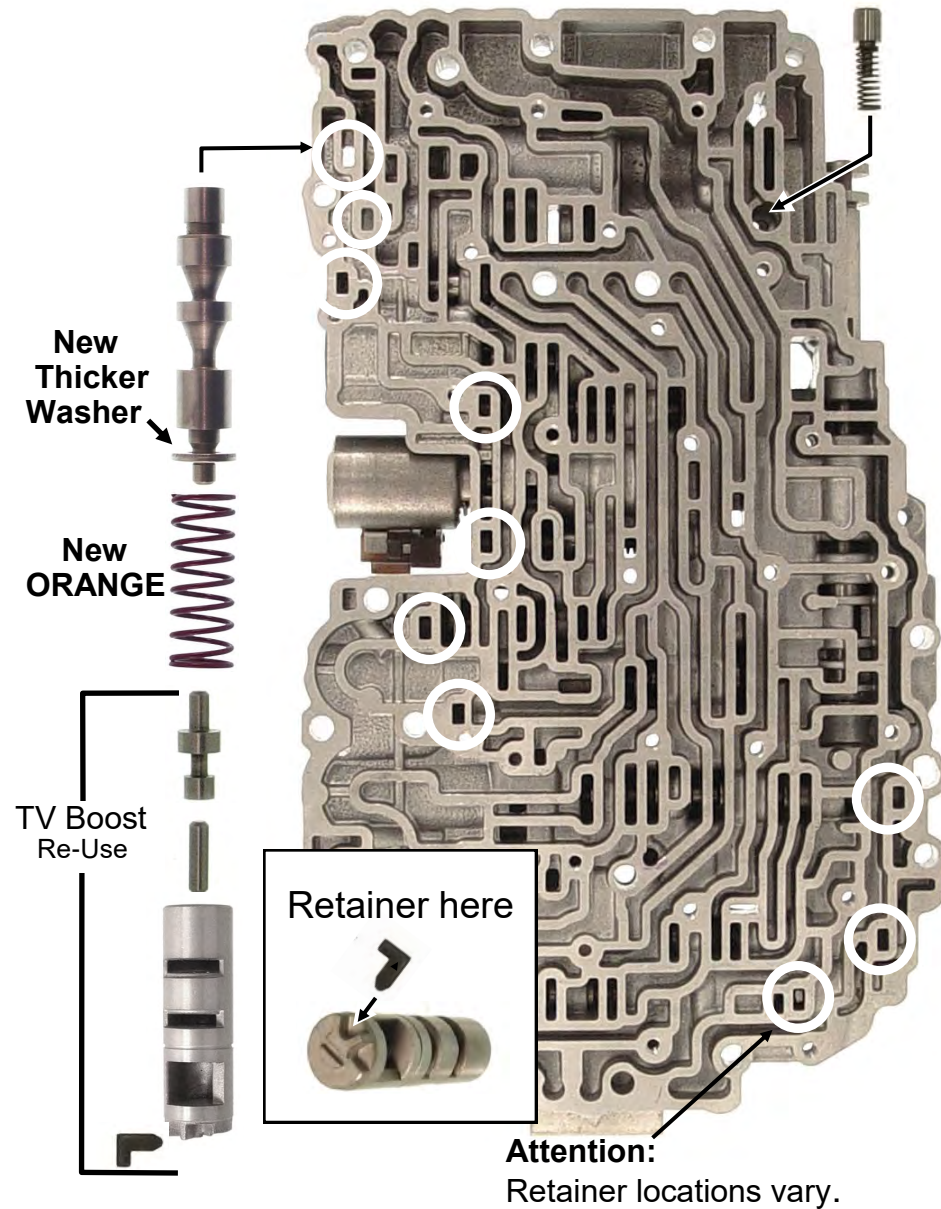


Do not install check Balls in these  
locations, even if it had them.

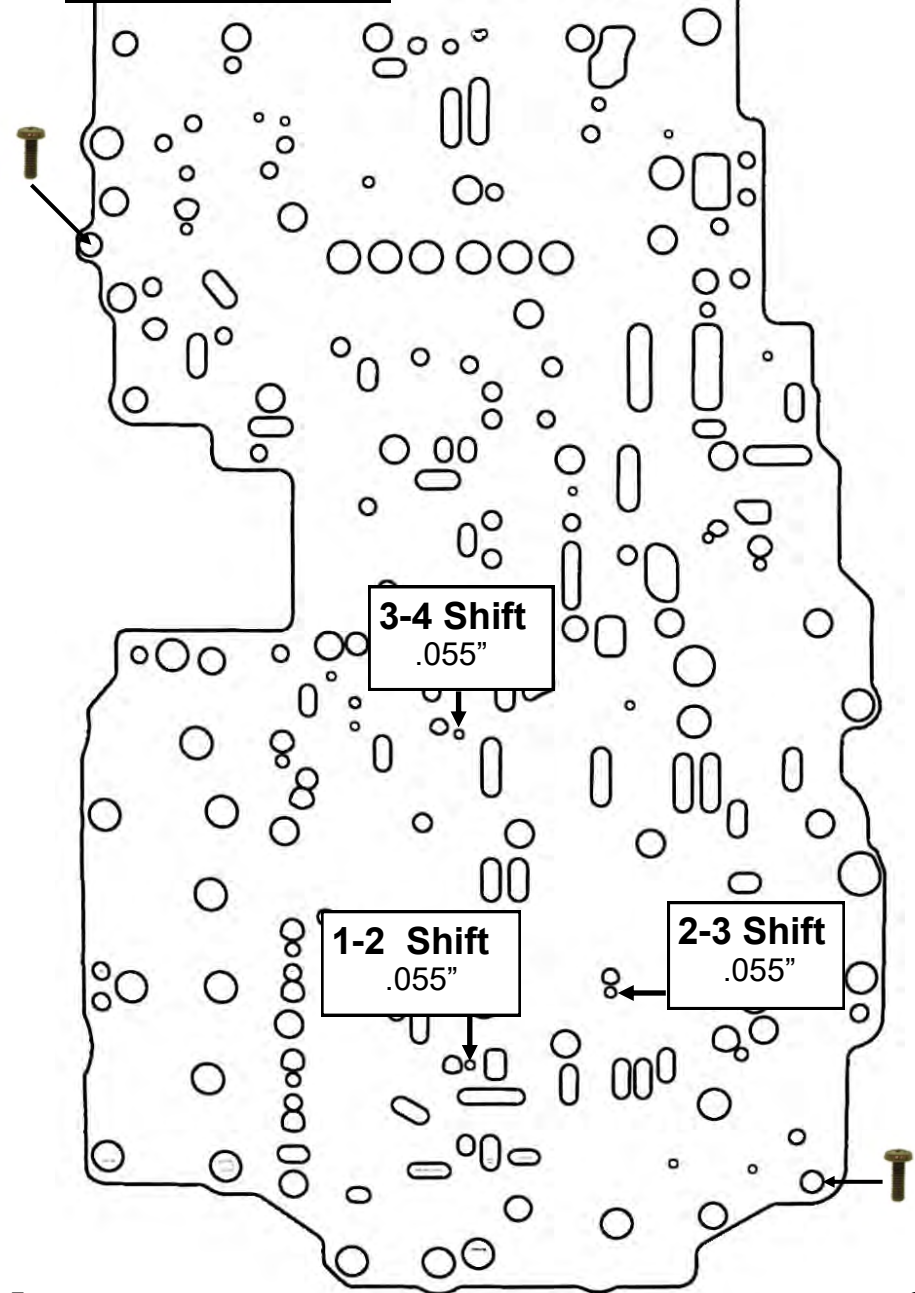


# Type 2 Lower Body & Plate

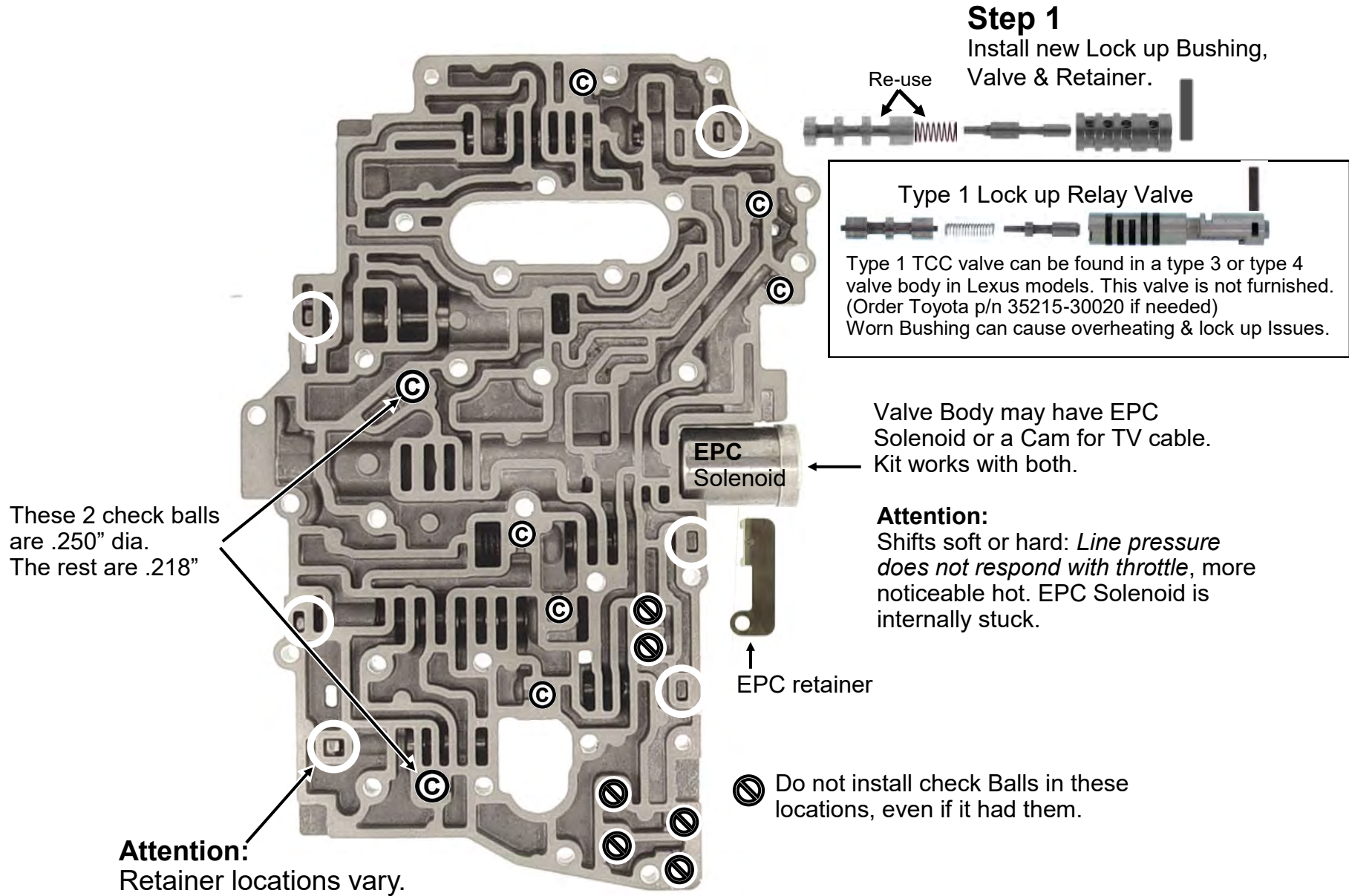
**Step 1** Discard original PR Spring and original thin washer. Install new **THICK** Washer and new **ORANGE** PR Spring.



**Step 2**  
Drill shift feed holes in plate .055".



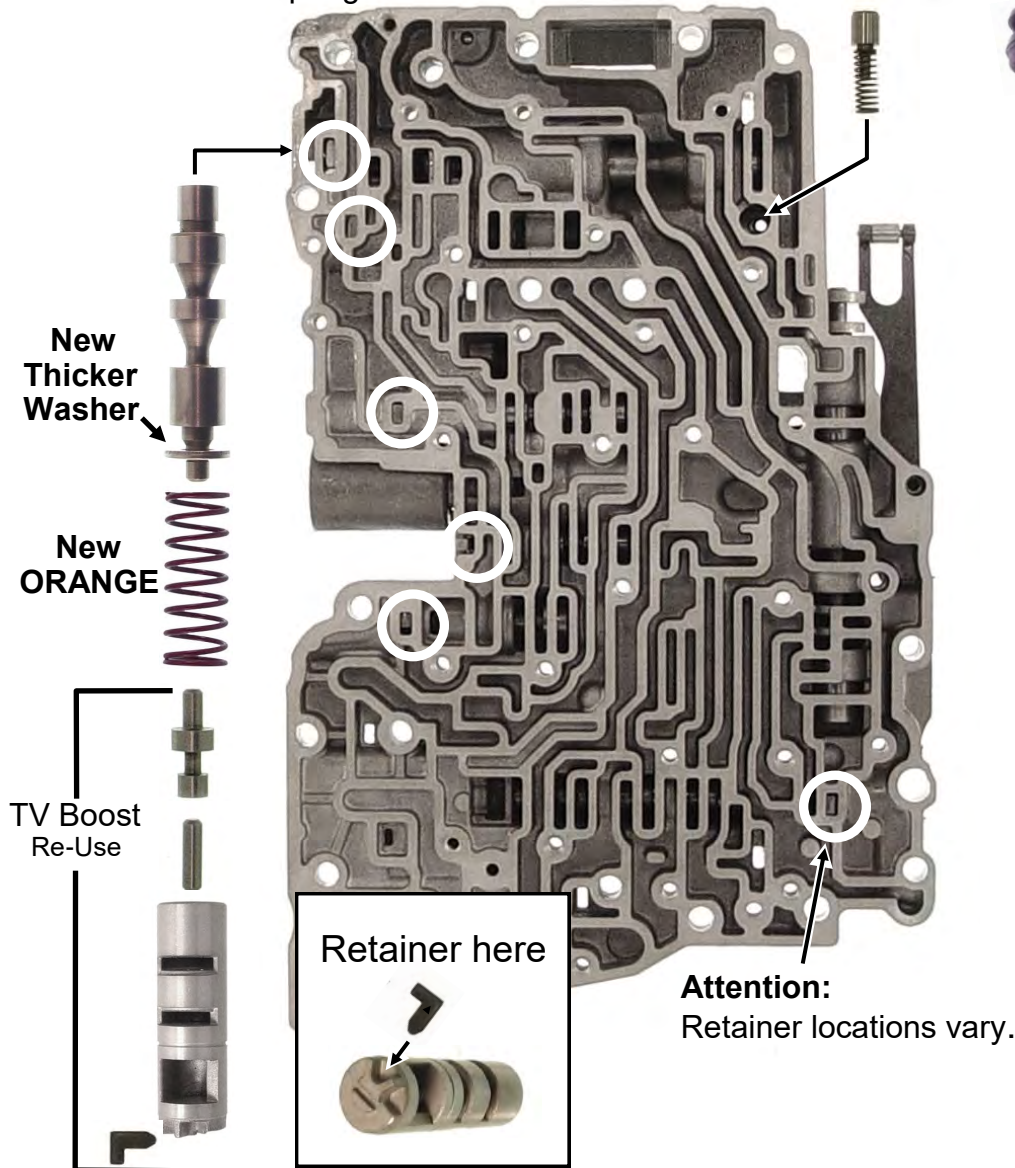
# Type 3 Upper Valve Body



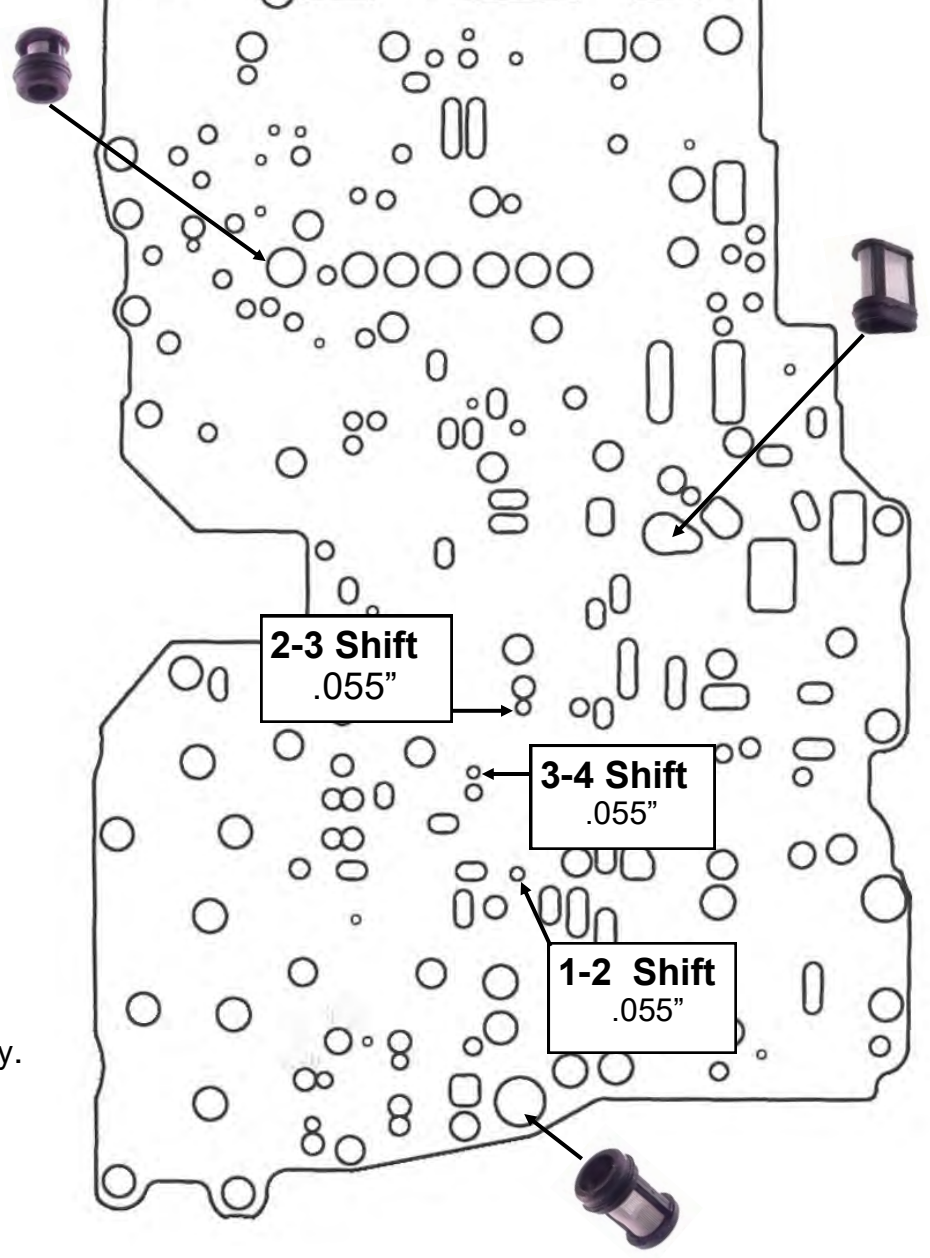


# Type 3 Lower Body & Plate

**Step 1** Discard original PR Spring and original thin washer. Install new **THICK** Washer and new **ORANGE** PR Spring.



**Step 2**  
Drill shift feed holes in plate .055".



# Type 4 Upper Valve Body

**Step 1**  
Install new Lock up Bushing,  
Valve & Retainer.

Re-use

Type 1 Lock up Relay Valve

Type 1 TCC valve can be found in a type 3 or type 4 valve body in Lexus models. This valve is not furnished. (Order Toyota p/n 35215-30020 if needed) Worn Bushing can cause overheating & lock up Issues.

Valve Body may have EPC Solenoid or a Cam for TV cable. Kit works with both.

**Attention:**  
Retainer locations Vary.

These 2 check balls are .250" dia. The rest are .218"

**Watch it!**  
These check Valves like to fall out.

.250 Ball

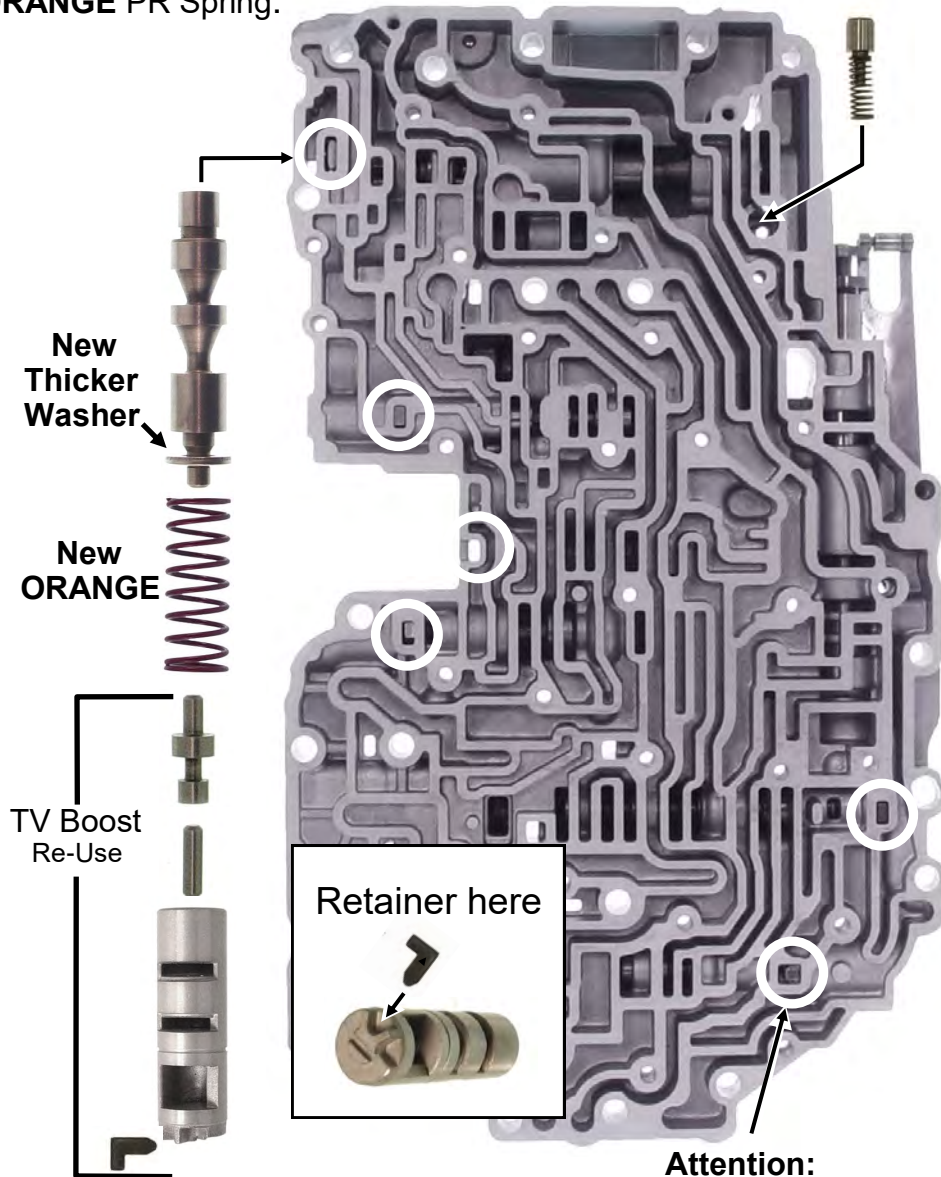
Do not install check Balls in these locations, even if it had them.

The diagram shows a detailed view of a Type 4 Upper Valve Body. It features a complex internal passage system. Several locations are marked with white circles: some contain a 'C' in a circle, indicating where to install a .218" ball, while two others are larger and indicate where to install .250" balls. A callout box points to these two larger circles with the text 'These 2 check balls are .250" dia. The rest are .218"'. To the left, a callout says 'Attention: Retainer locations Vary.' with an arrow pointing to a specific hole. Below that, another callout says 'Watch it! These check Valves like to fall out.' with arrows pointing to two valve assemblies. To the right, a callout says 'Valve Body may have EPC Solenoid or a Cam for TV cable. Kit works with both.' with an arrow pointing to a solenoid/cam assembly. Further right, a callout says 'Do not install check Balls in these locations, even if it had them.' with arrows pointing to several holes marked with a circle and a diagonal slash. At the top right, 'Step 1' instructions are provided: 'Install new Lock up Bushing, Valve & Retainer.' Below this, a 'Re-use' callout points to a bushing on a valve assembly. A separate assembly is labeled 'Type 1 Lock up Relay Valve' with a note that it can be found in Lexus models and is not furnished, with a part number provided. At the bottom left, two valve assemblies are shown with a callout for '.250 Ball' pointing to a ball in one of them.

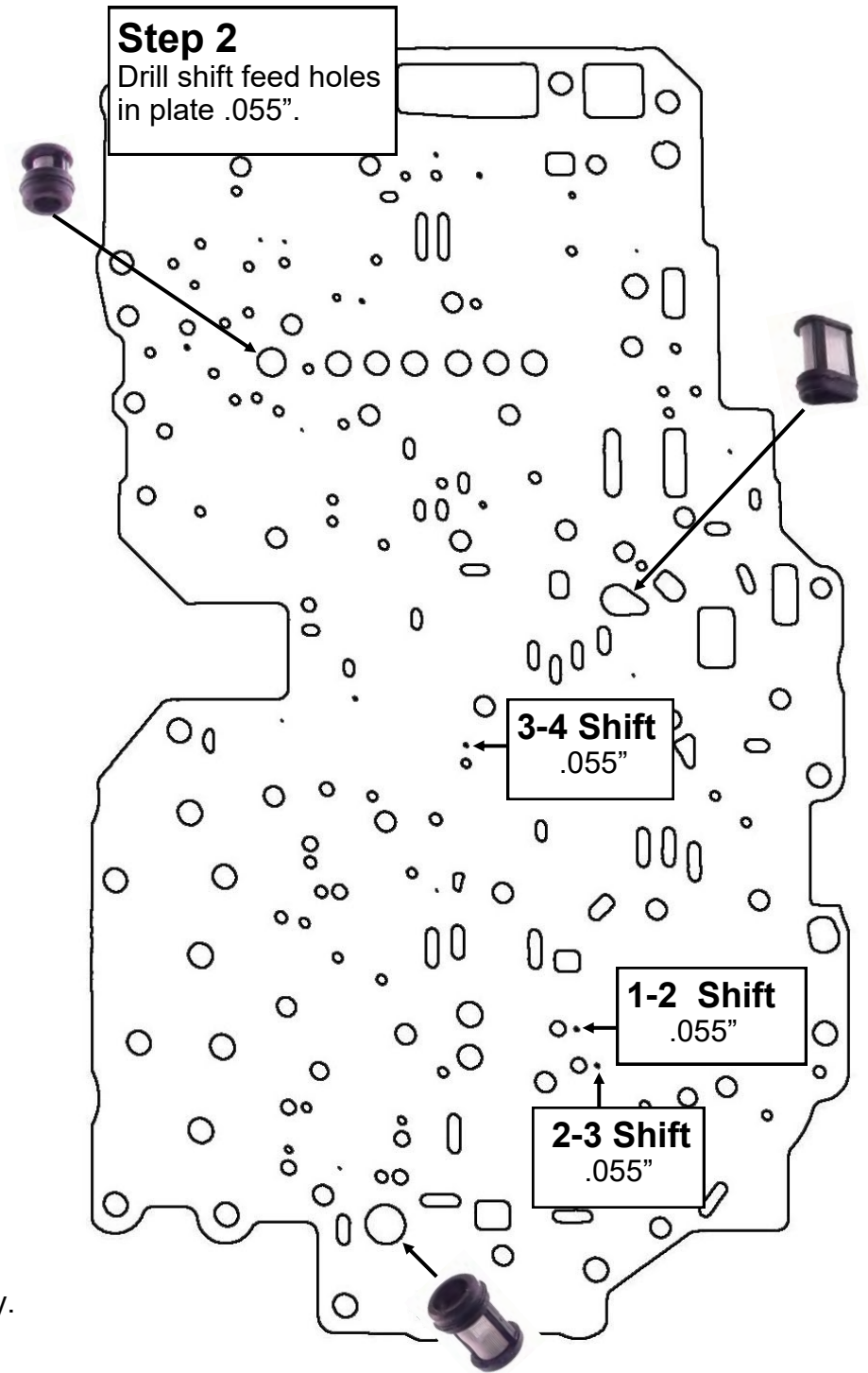


# Type 4 Lower Body & Plate

**Step 1** Discard original PR Spring and original thin washer. Install New **THICK** Washer and new **ORANGE** PR Spring.



**Step 2**  
Drill shift feed holes in plate .055".



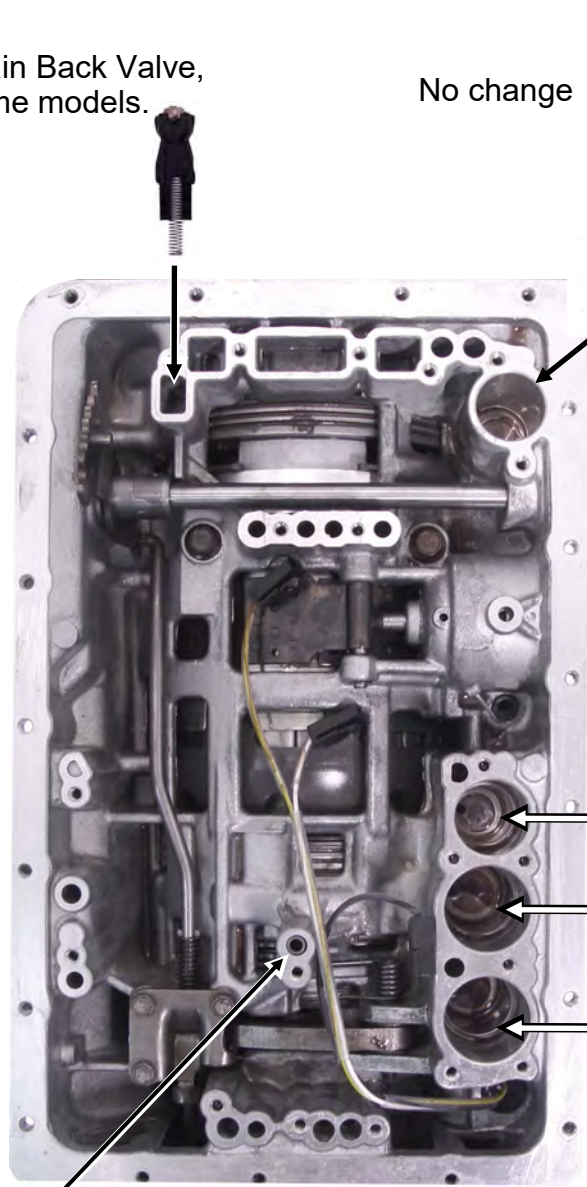
# Accumulators, All Types

Drain Back Valve, some models.

No change

C0-Coast (OD Direct)

Discard



B0 brake, 4th

C2 clutch, 3rd

B2 brake, 2nd

Feed tube installs with rubber end into hole first.

**Type A** Accumulators have either a deep pocket on the big end of the Piston or they are flat. Discard ALL Springs and Spacers on big end of Pistons if equipped. Install new Springs and Spacers on the small end and reuse original 4th Spring.

BLUE Reuse Original



4th

Short Spacer ORANGE



3rd

Medium Spacer WHITE



2nd

**Type B** Accumulators have a short Spring **attached** to the big end of the Piston. With diagonal Cutters remove the short springs on ALL Pistons. Install new Springs & Spacer on small end and reuse original 3rd & 4th Spring.



BLUE Reuse Original



4th

RED Reuse Original



3rd

Long Spacer PLAIN



2nd