


SK®6T40 Fits: 2007 & up Gen 1 Only Corrects/Prevents/Reduces

Fits: 6T30, 6T40, 6T45 Generation 1 Only
Ratio or Solenoid Performance Codes, Fixes wore out Actuator Feed Limit bore with No Special Tools Required! Includes NEW Pressure Regulator Valve for pump stability.

Also includes
Pressure Switch
Repair Parts!
Save's a TEHCM with
Pressure Switch
Codes!



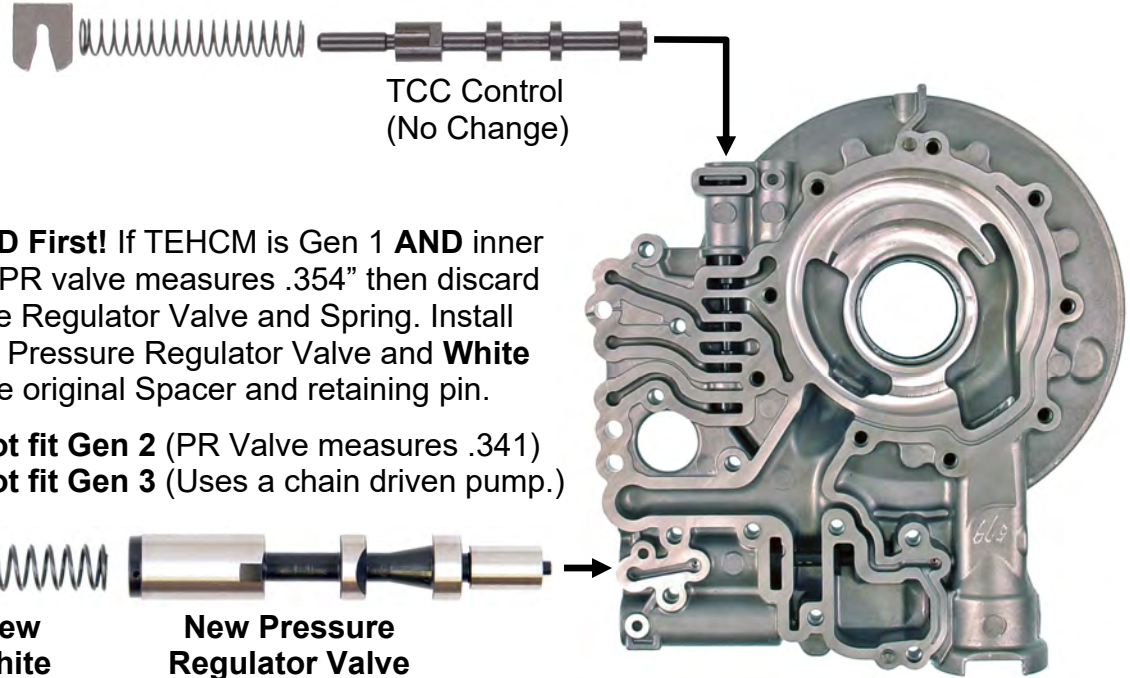


DV0820731259EW9L

↑

If 8th Digit of the TEHCM ID is a **number**, its a Gen 1 This kit currently only fits Gen 1 Transmissions.

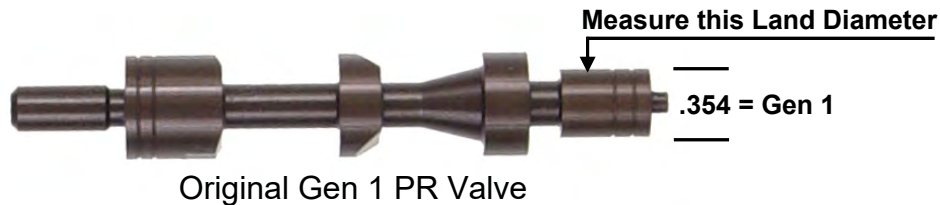
**LOOK
HERE**
←



Step 1

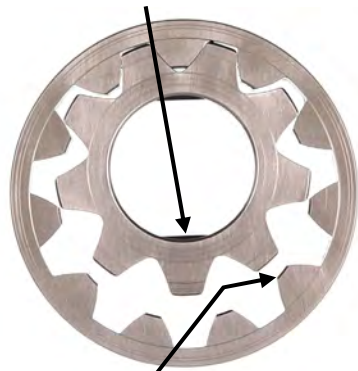
Check TEHCM ID First! If TEHCM is Gen 1 **AND** inner land on **original** PR valve measures .354" then discard **original** Pressure Regulator Valve and Spring. Install **NEW TransGo®** Pressure Regulator Valve and **White** PR Spring, re-use original Spacer and retaining pin.

This Kit does not fit Gen 2 (PR Valve measures .341)
This Kit does not fit Gen 3 (Uses a chain driven pump.)



Pump Body Repairs

Recessed bevel on inner drive gear faces the converter!



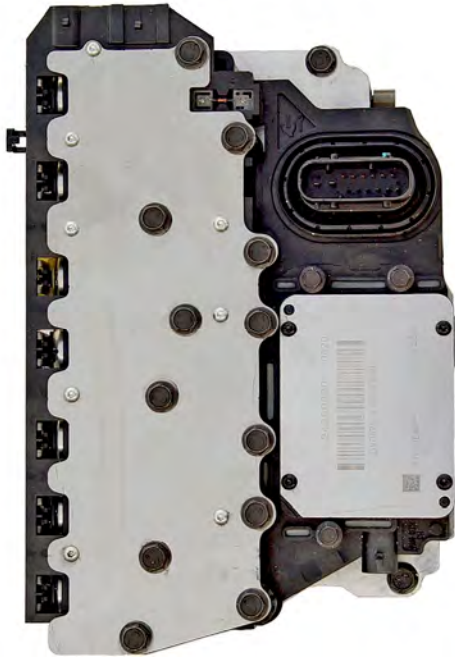
Beveled Edge on outer gear teeth faces converter!



Mr. Shift

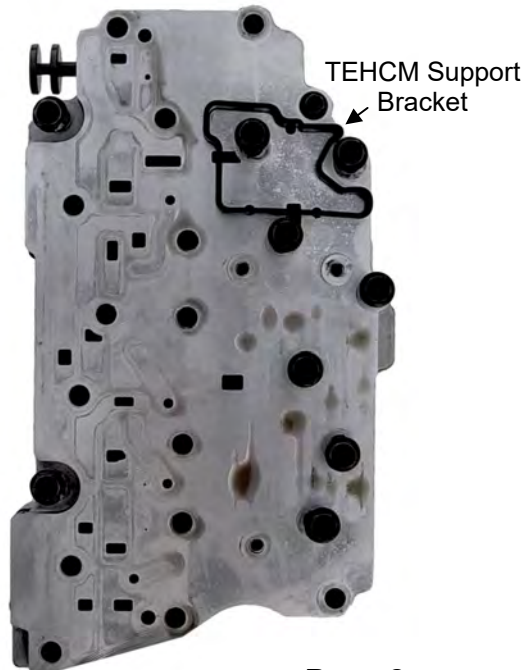
Gen 1 TEHCM Removal

TEHCM & Valve Body Assy. (Front View)

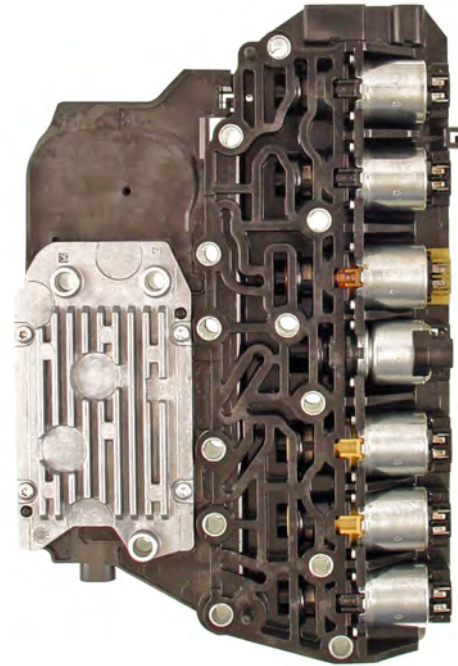


All Solenoids = 4.0-5.0 Ohms
 Except On/Off = 16-20 Ohms N.C.
 PCS-4,5 & TCC Normally Low (output)
 PCS-2,3 & EPC Normally High (output)

TEHCM Removed (Front View)



TEHCM



Solenoid Screen



- PCS3- L/R456
- PCS2- 35R
- TCC- Control
- On/Off- CS/TCC
- PCS5- 1234
- PCS4- 26
- LINE- EPC

No Forward but Rev ok? PCS5 could be at fault. Swap one from another Body. Do not mix solenoid colors!

Component Apply Chart

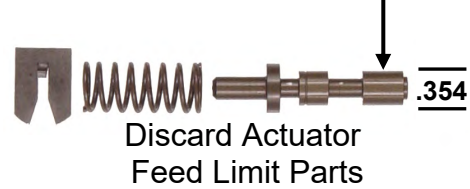
Gear	1234	Low/ Rev	Low One-way	35R	456	26
P/N		on				
R		on		on		
D1	on		hold			
D2	on					on
D3	on			on		
D4	on				on	
D5				on	on	
D6					on	on

Gen 1 Main Body Repairs

Step 1

Measure small land of actuator feed limit valve. If small land measures .354, then discard original Actuator Feed Limit parts and install **NEW** Bushing, Valve, Orange Spring, Spacer and Retainer provided. If small land is larger than .354, Skip this step.

Hold it! Measure small land of actuator feed limit valve. This product only fits **FACTORY** valves with a .354 diameter! Skip this step if your valve includes a bushing or sleeve.



© = 6 .250 Check Balls

New Retainer



Spacer



Orange

Valve



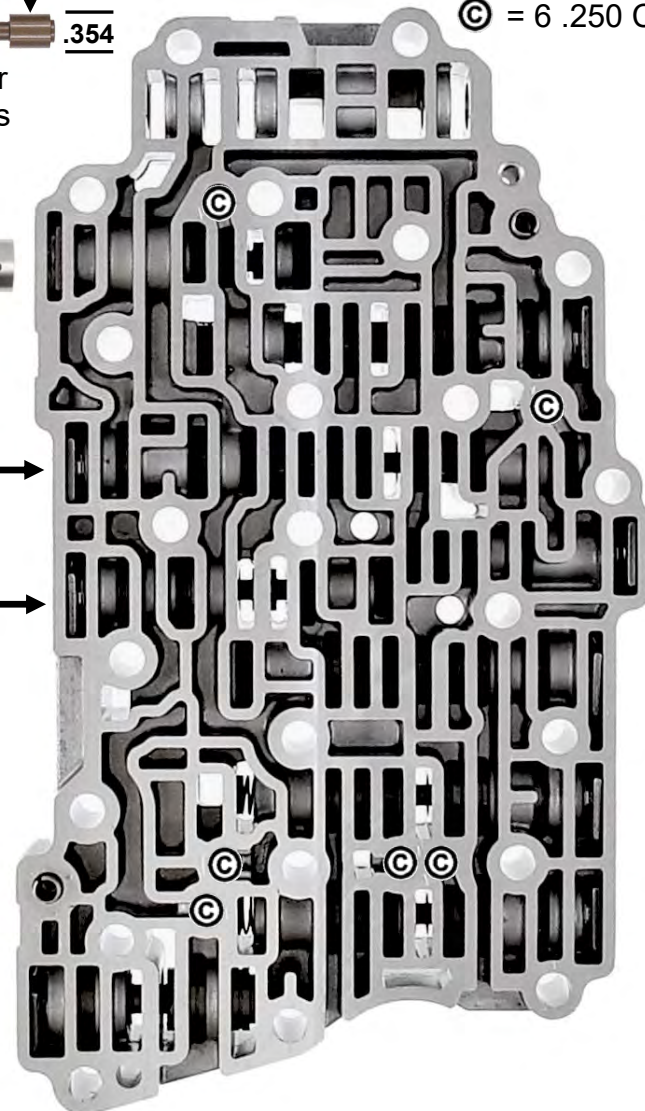
Bushing



Clutch Select (No Changes)



TCC Regulator (No Changes)



Step 2

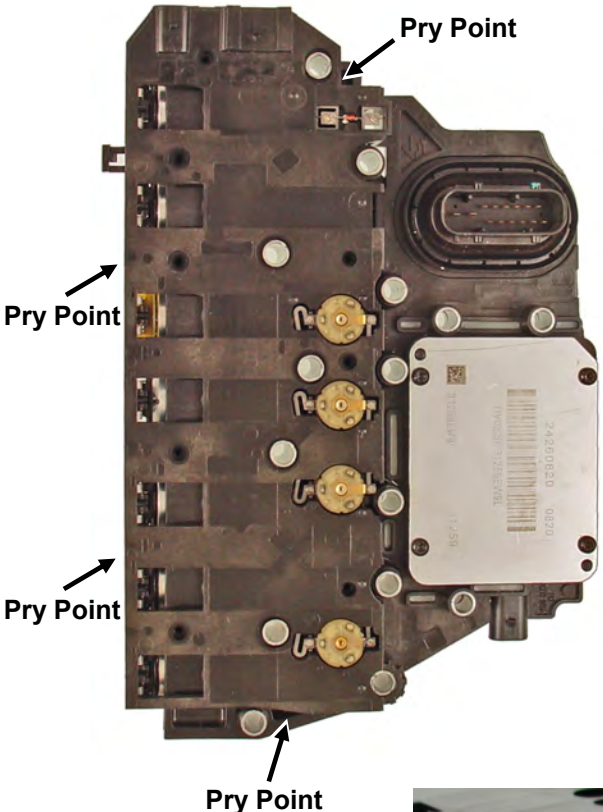
Disassemble & Clean the TCC Regulator Valve and the Clutch Select Valve assemblies. They are often stuck / draggy due to contamination.

Gen 1 TEHCM Disassembly



Step 1

With TEHCM removed from VB, remove the 8 Circed T10 Torx screws and remove the cover plate. The screws keep the halves from separating when the VB bolts are removed.

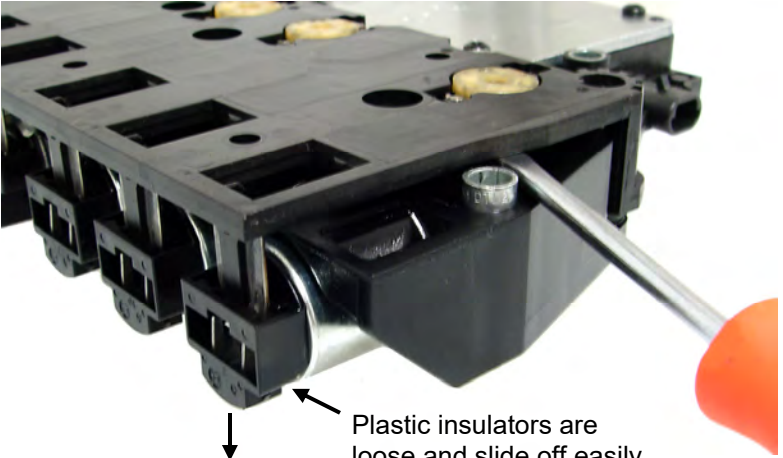


Step 2

Gently pry upper Module half off of solenoids at the pry points shown.

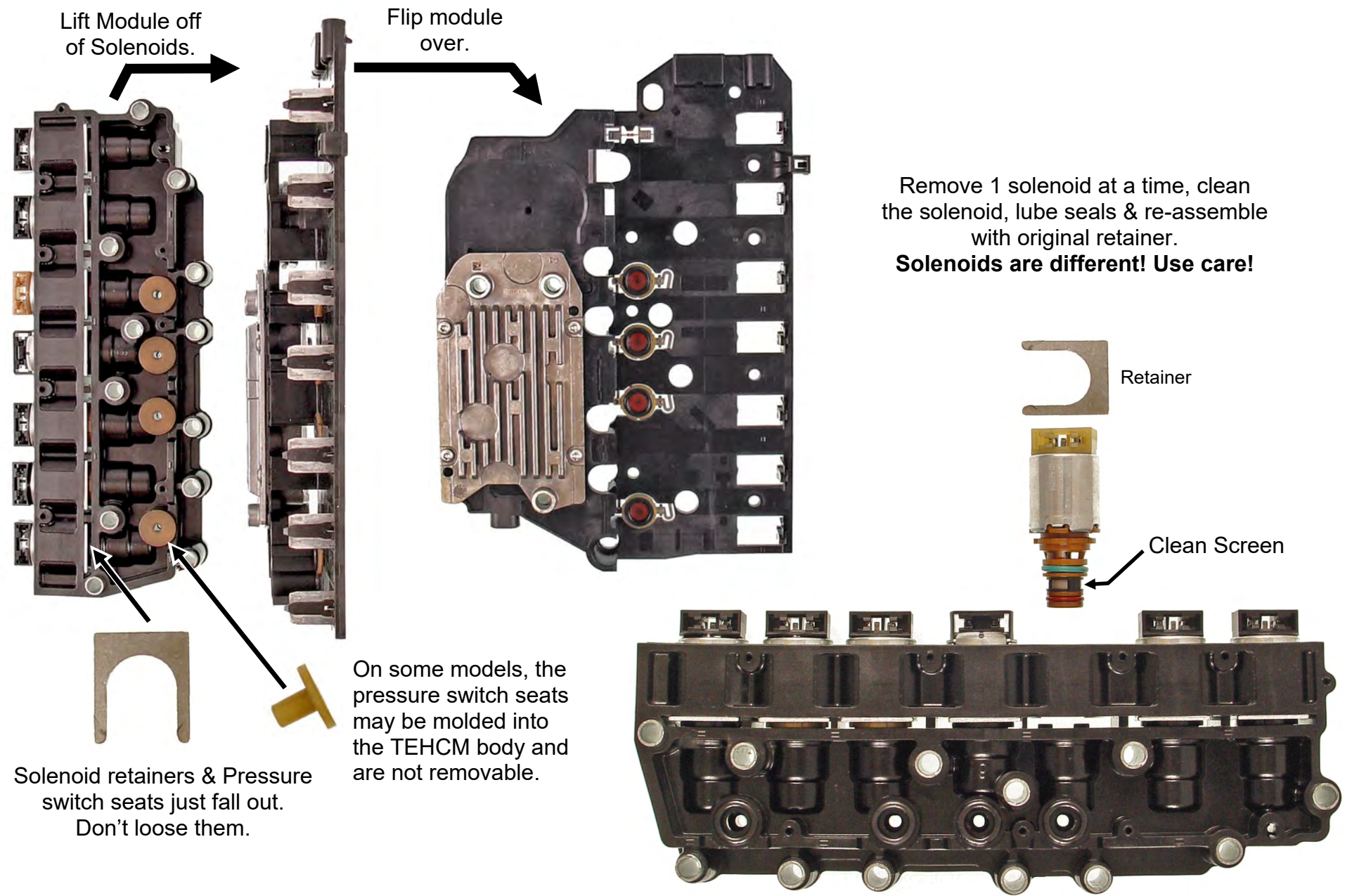
Be gentle!

The module half has male spades that insert into the ends of each solenoid. A little wiggling and gentle prying with a small screwdriver will separate the halves.

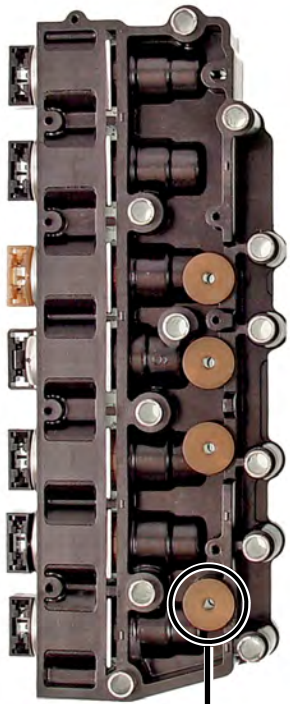


Slide plastic downward to re-install insulators.

Solenoid Cleaning



Pressure Switch Repairs

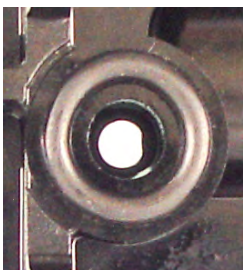


Use a small amount of assembly gel to hold the parts in place before putting module side onto solenoid side.

If your TEHCM has removable seats, remove them to replace the large O-ring seal under it.



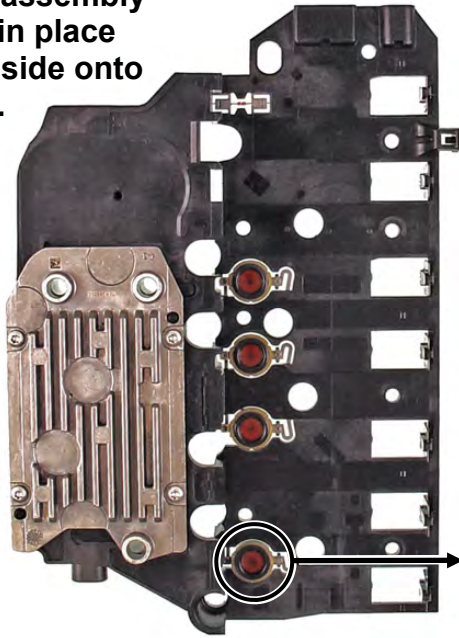
Replace **large** O-ring with new. (4 provided in kit)



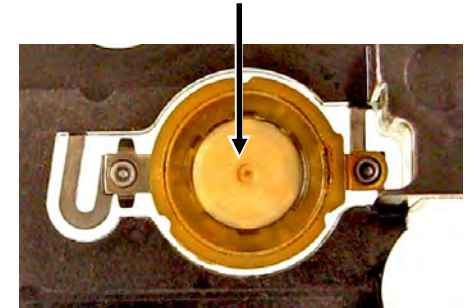
Re-Use Seat



Finished Switch Seat

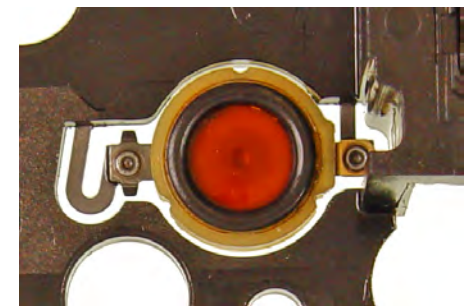


Corner of Razor blade works best to remove old diaphragms.



Diaphragm goes first then **small** Seal. Do not attempt to remove the center disk of switch!

Replace **small** seals and diaphragms with new. (4 each provided in kit)

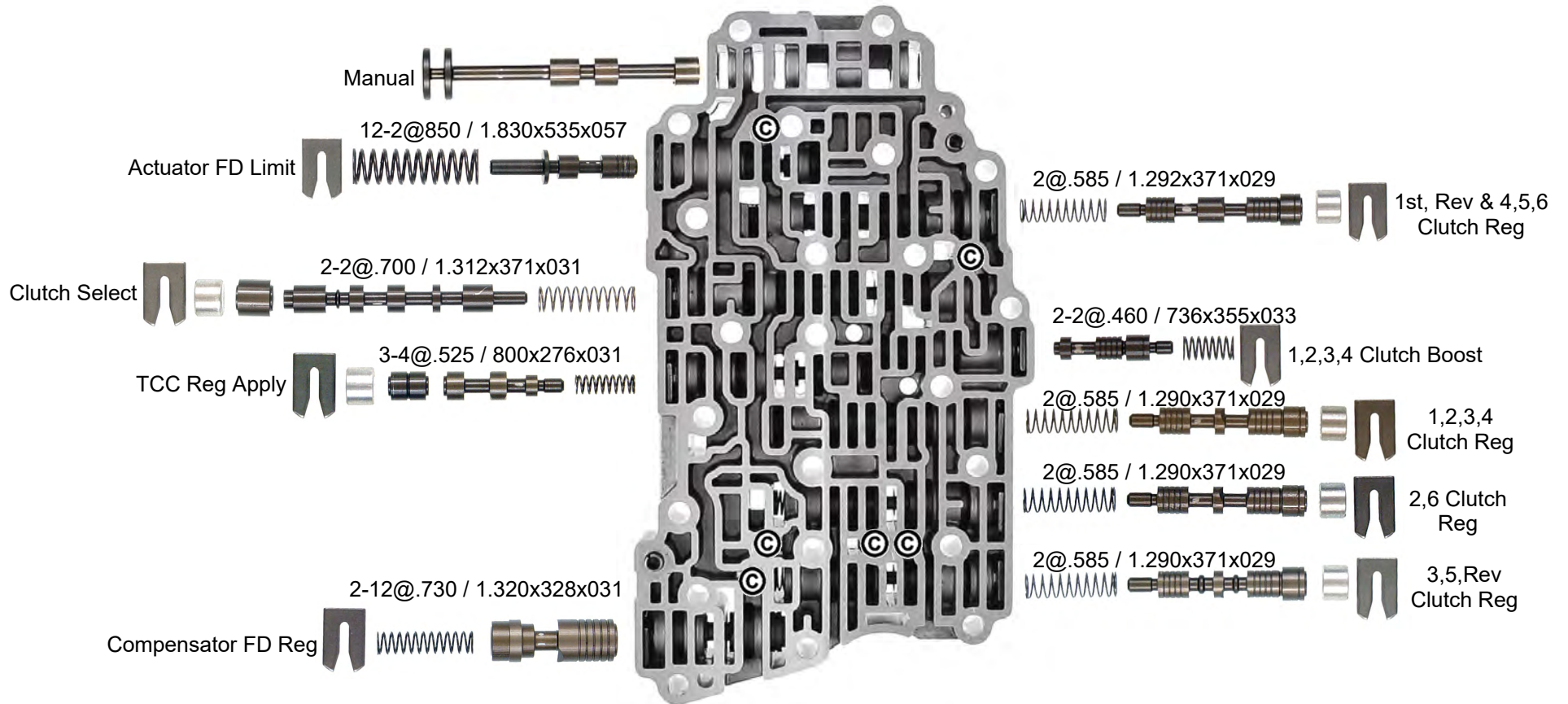


Finished Switch

Note: When assembling halves, leave solenoid side on bench and flip module side onto the solenoid side. Line up solenoid connectors and press the halves together. **Do not use the T10 cover screws to "pull" the halves together!**

Additional Data Gen 1

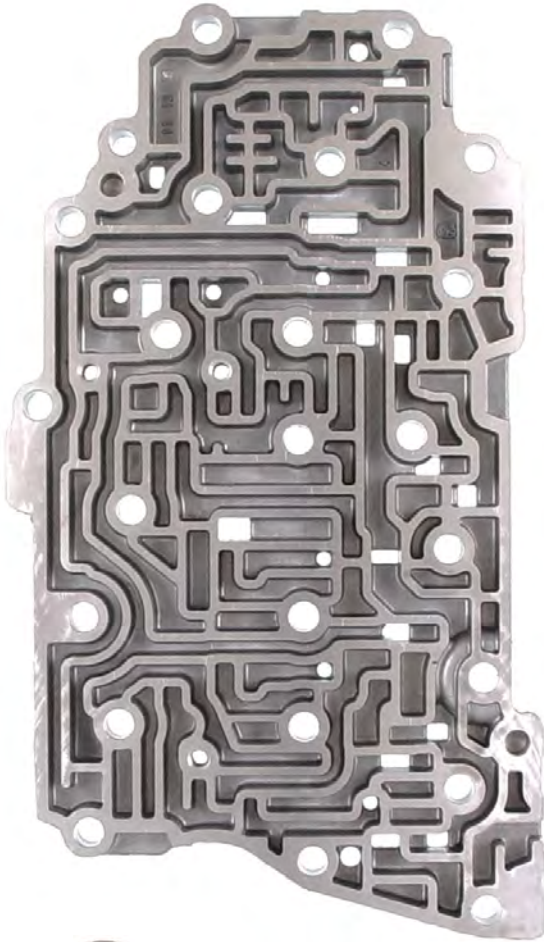
© = 6 .250 Check Balls



Additional Data Gen 1

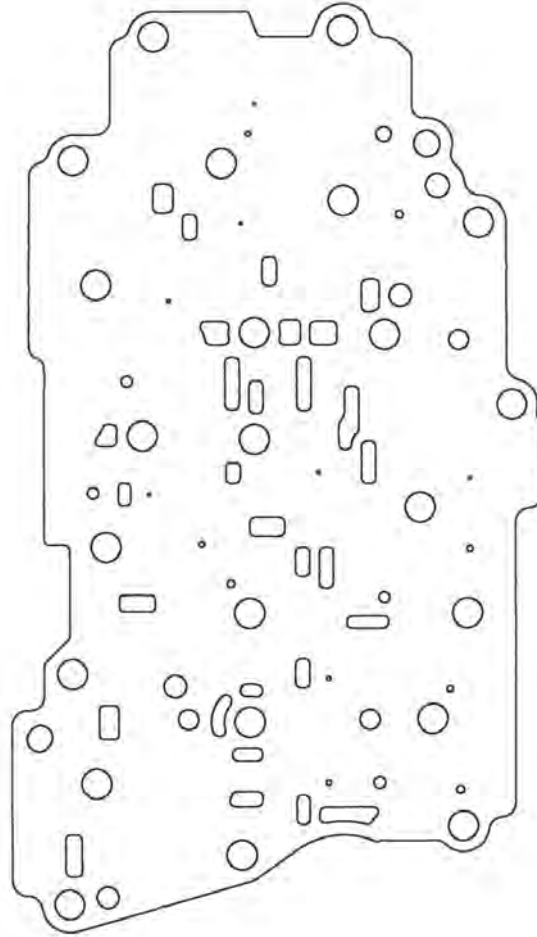
Gaskets are bonded to the plates from the factory.
In a pinch, re-use is ok if they are NOT damaged.
New plates are cheap insurance against cross-leaks!

Channel Casting

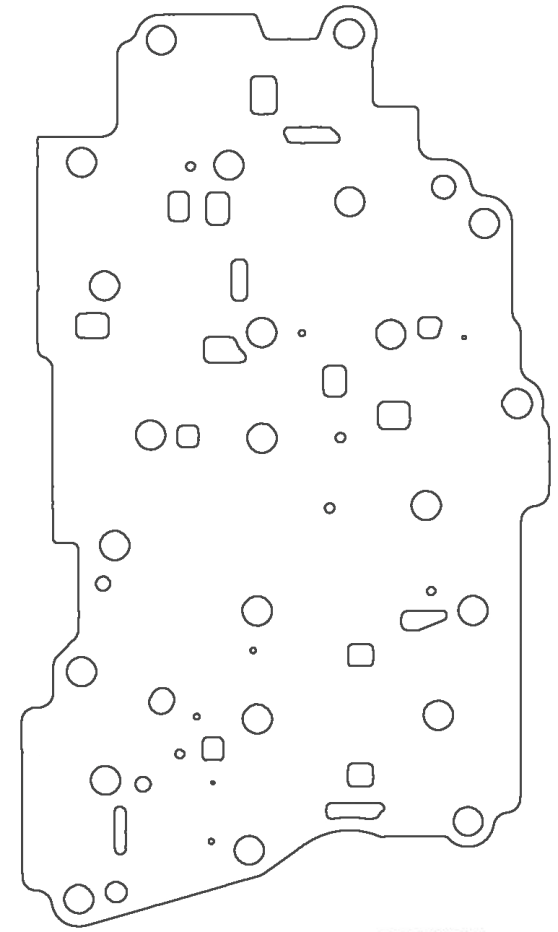


Gen 1 does **NOT** use dampeners in channel plate. Gen 2 does.

Main Body Front Plate



Main Body Rear Plate



*Fixing the cause of the complaints is our goal.
Making products to help you be more
successful is the result of listening.
Let us hear from you!*



Mr. Shift