SK® TF80SC

Reduces/Corrects/Prevents
Rough shifts, flares during up shifts & kick down. Rough coast downshifts, no pressure rise & TCC slip/shudder.

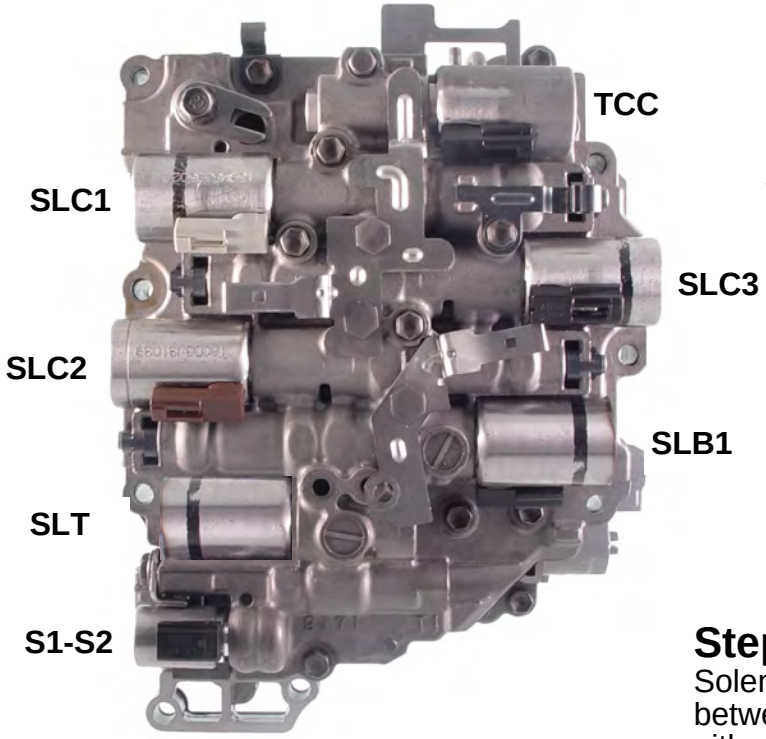
Fits:

Volvo:

C30	2010
C70	2010
S60	06-10
V70	06-10
S80	07-10
S90	07-10
XC60	2009
XC70	09-10
XC90	06-10

SAAB:

9.3	06-10
9.5	2010



Important!!! ID Mark all Solenoids to VB location. Do not swap locations!

Step 1 Check solenoid resistance first!
Solenoid resistance should be 5-7 ohms between Connector Pins. Checking from either Pin to Solenoid Body must be open. If Solenoid fails either check Solenoid will need replacing.

Warning!

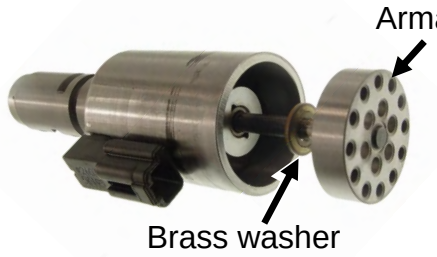
Small Parts and Check-ball locations may differ between models! Use care when splitting VB halves. Re-install small parts as found!

Linear Solenoid Disassembly and Correction
Do Steps 1-9 for all 6 linear Solenoids.

Step 1
Grind crimp until end cap falls off.
Use side of bench grinding Wheel.

Crimp removed

Step 2
Remove Armature & washer.



Step 3
Grind remaining lip edge down to inner step surface.

Inner Step

Finished

Step 4
Measure the Shaft.
.156-157 use **silver** drill.
.154-155 use **black** drill
Use selected drill in **Step 5**.

Step 5
Turn Drill ***counter clockwise by hand*** while inserting it all the way into Solenoid. While holding the Drill, turn the Solenoid both directions for 15 seconds. ***Turn the drill counter clockwise when removing the drill.***

Step 6

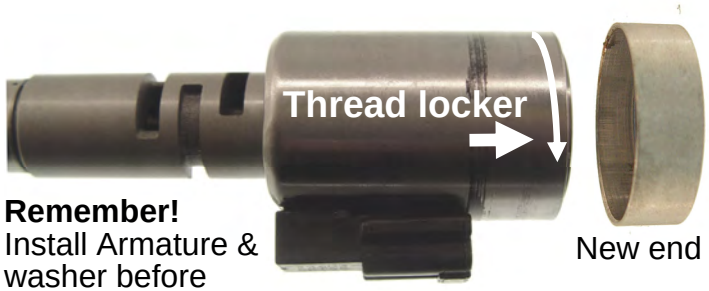
After resizing Solenoid Bushings clean out debris with brake clean & blow out with air. Install Armature & stroke while spraying Sol Valve with Brake cleaner.

Step 7

Hold Solenoid upside down, **Armature must fall out.** If not, perform step 5 again.

Step 8

Lay a narrow bead of Red Thread locker around the end of Solenoid Body. Keep Thread locker way from inside of Solenoid. Position new end Cap on Solenoid.



Remember!
Install Armature & washer before Installing End Cap!

Step 9

Stand Solenoid on end cap. Place deep 1/2” drive 3/4” socket over Solenoid Snout. *Lightly* tap the Socket to seat the Solenoid into the Cap.

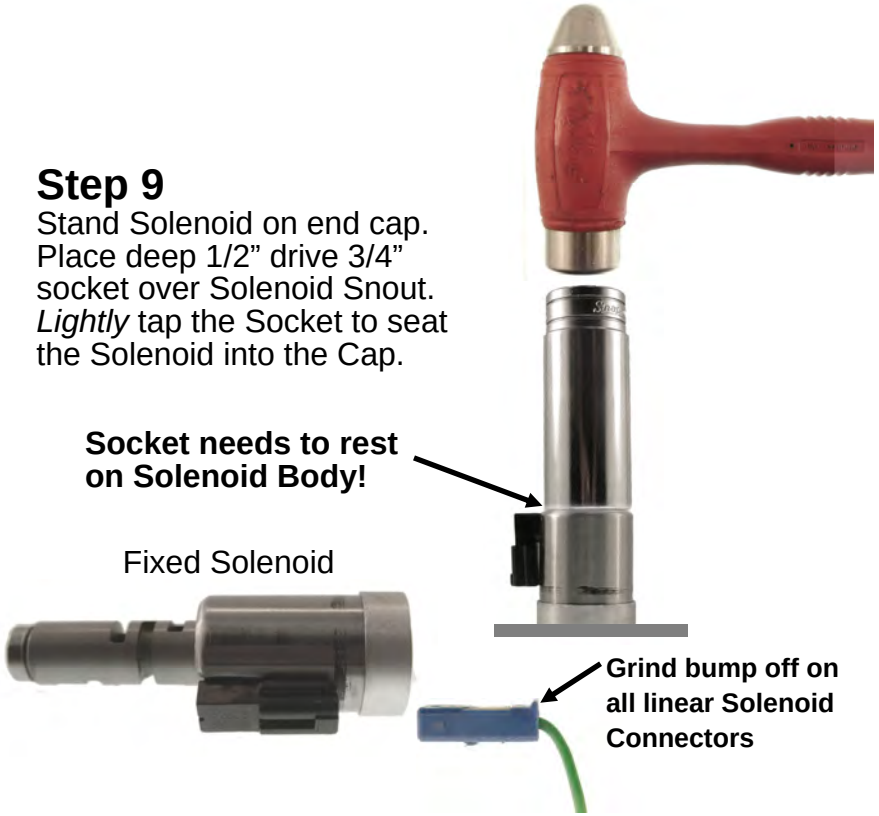
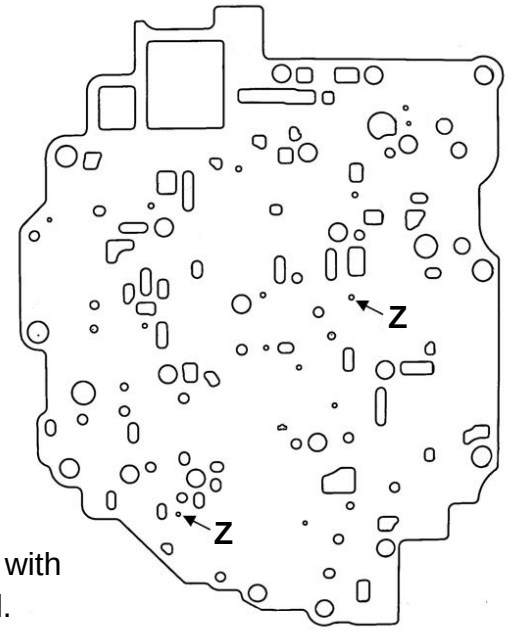
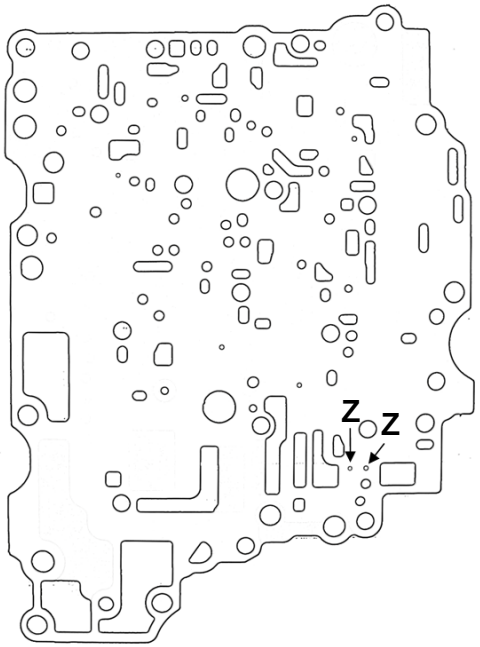


Plate Updates



Step 1

Enlarge “Z” holes with .055 drill provided.
(2 holes on each plate.)



Bonded Gaskets

If they are good, just put **NEW** gaskets on top of the old ~~bonded~~ gaskets.

If they are damaged, scrape and install ~~new~~ gaskets!

*DO **NOT** ATTEMPT* to re-use old bonded plates alone!
This VB ***REQUIRES*** a new gasket sealing surface!

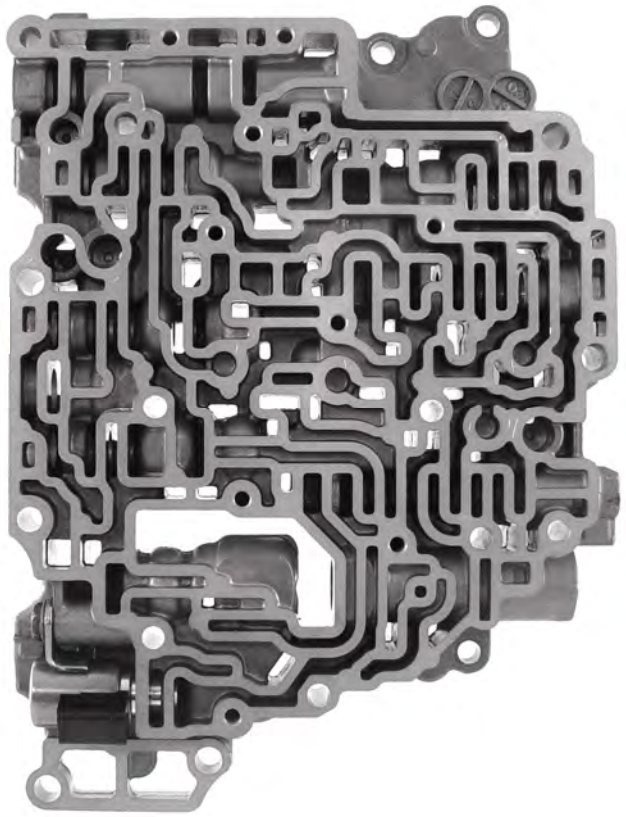
Main Body Repairs

Step 1

Install new **Black** Spring on Relay Valve.

Be Careful!
Do not accidently select the wrong valve bore!

NOT THIS VALVE! ➡

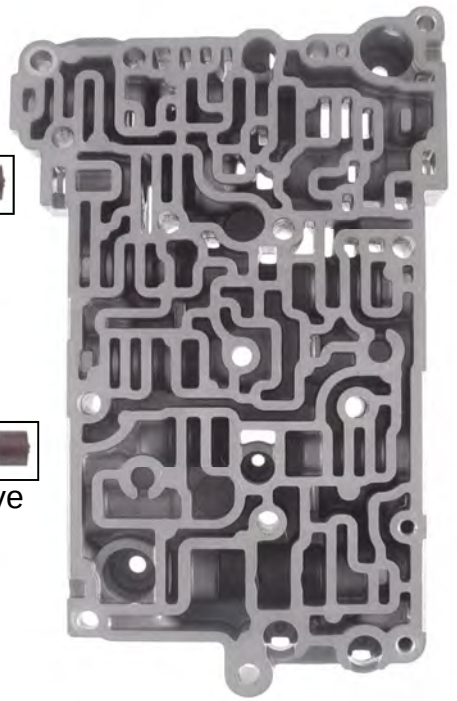


Small Parts and Check-valve locations may differ between models! Re-install small parts as found! A Typical parts layout can be found in the General Data pages.

Rear Body Repairs

Step 1

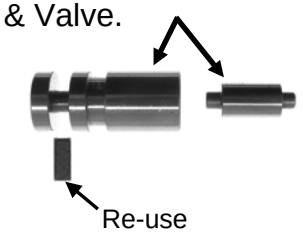
Remove and save old parts from both bores and replace with NEW parts shown.

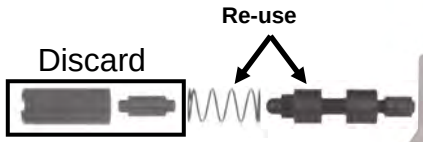


L/Up Body Repairs

Step 1

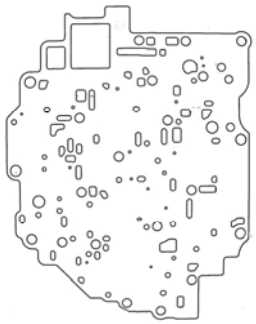
Install new Bushing & Valve.





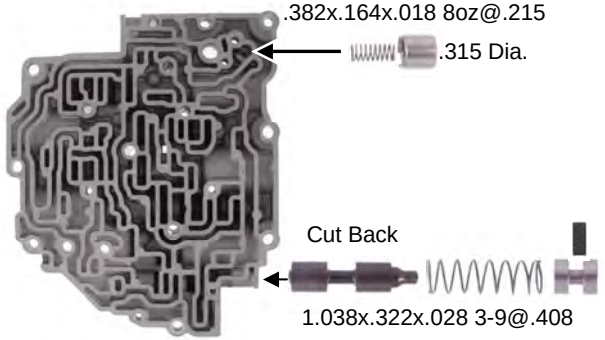
This ends the repair work. The following General Data pages are to help you get the VB together correctly. Call us if your VB differs from what is shown. Thank you.

General Data Pages

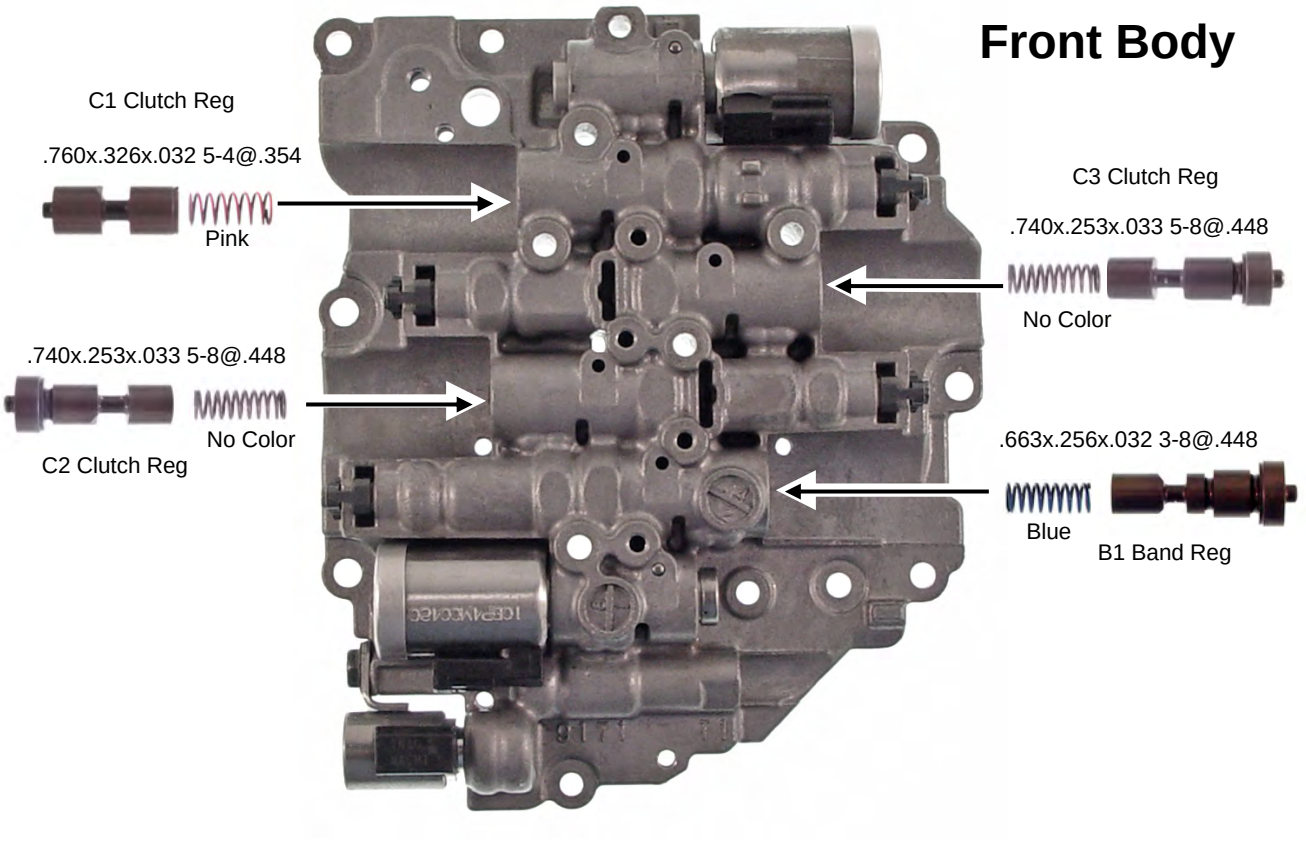


Front Body Plate

Front Body Rear View

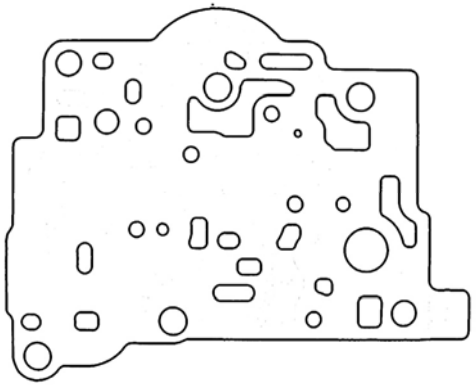


Front Body

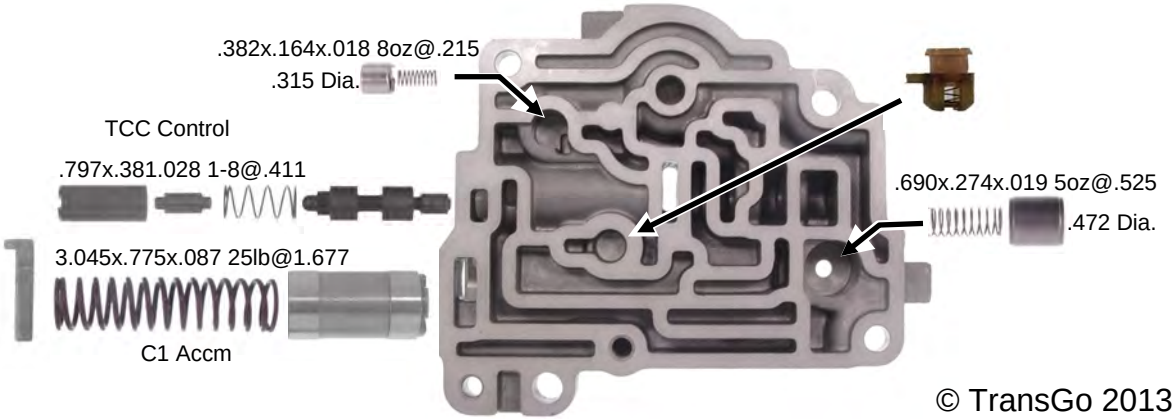


Warning!

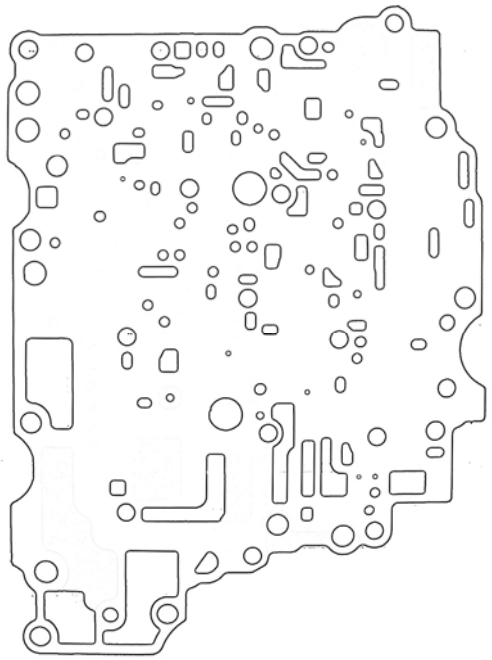
Small Parts and Check-ball locations may differ between models! Re-install small parts as found! These pages show a typical layout for general reference only.

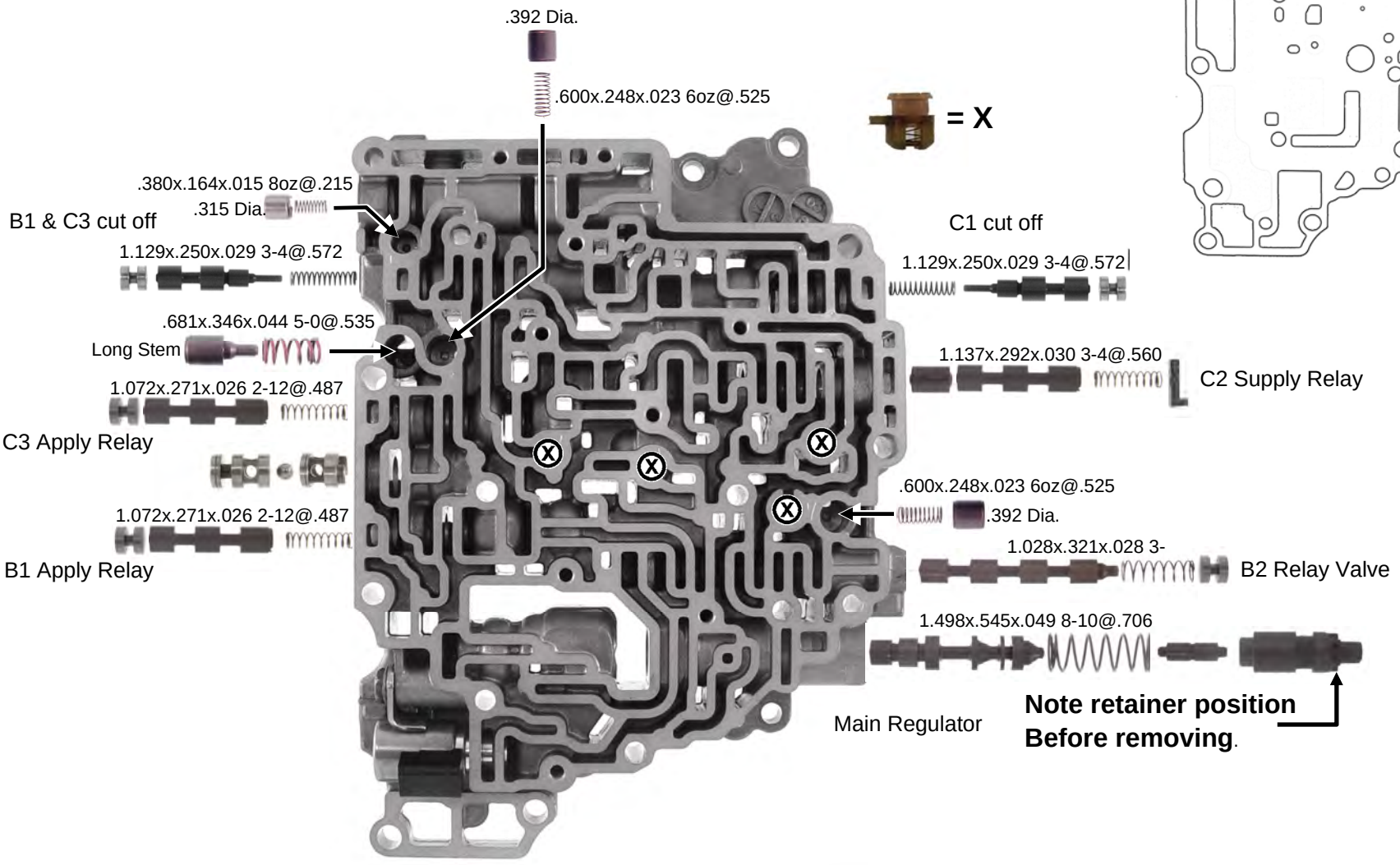


L/Up Body



Main Body





General Data Pages

Rear Body