



ENGINEERING

TRANSMISSIONS & CONVERTERS

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Manual ProStreet Valve Body

Installation Instructions

FIRST, READ INSTRUCTIONS CAREFULLY, THEN PROCEED TO INSTALL VALVE BODY BY FOLLOWING EACH STEP INDIVIDUALLY.

Valve Body	1 - 24142A	Valve Body 1965-Up (Includes Late 2-3 Accumulator piston installed.)
Kit Includes:	1 - 24115	Special Valve Body Spacer Plate
	1 - 24117	Expansion Plug (See STEP #7)
	1 - 24148C	Pan Gasket
	1 - 24149	Spacer to Valve Body Gasket (Small) OEM#8623561
	1 - 24150	Spacer to Case Gasket (Large) OEM#8623563
	1 - 24122	Modulator Replacement Plug
	1 - 24982	2-3 Accum. Piston 1965-70

STEP #1: Transmission should be cool before installing. Be sure vehicle is secure to prevent rolling. Drain oil by carefully removing transmission pan bolts. Recommend leaving a couple of bolts partially attached until some of the oil has drained.

STEP #2: Remove transmission filter. If 1968 or newer model, remove retaining bolt, hold pipe that filter is connected to and then pull filter off.

STEP #3: Before loosening valve body, note how the gear selector lever connects to the manual control valve in the valve body. Fig. #2.

STEP #4: Remove bolts from valve body and then carefully remove governor tubes and valve body together. Avoid bending governor tubes. If 1970 or newer model, disconnect white wire from the valve body. Also, be sure the manual control valve doesn't slide out.

Note: Sometimes the Intermediate Servo will fall out when removing the valve body, Fig. #3.

STEP #5: Remove the two bolts holding the downshift solenoid and valve body spacer plate. Make sure you support the spacer plate with your hand. Lower the plate with steel balls carefully.

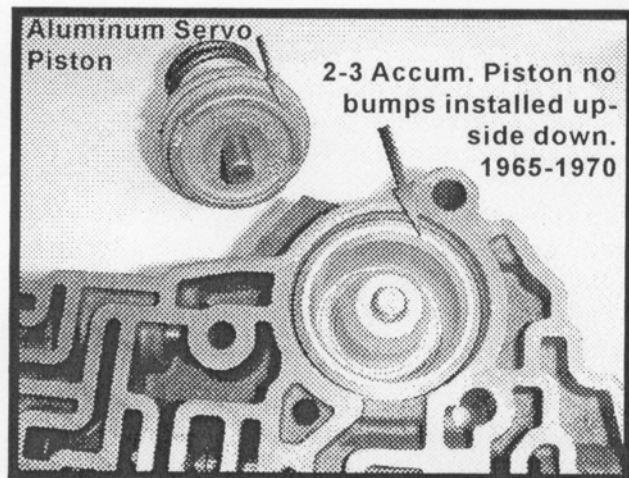
STEP #6: If transmission is being overhauled when installing the valve body, the following steps will enhance the 2-3 shift. However, if unit is not being overhauled, DO NOT DO STEP #7.

STEP #7: Remove center seal from direct clutch drum, Fig. #2A. Install expansion plug #24117 as shown in Fig. #2A. This expansion plug must be driven in until it is flush with case or deeper.

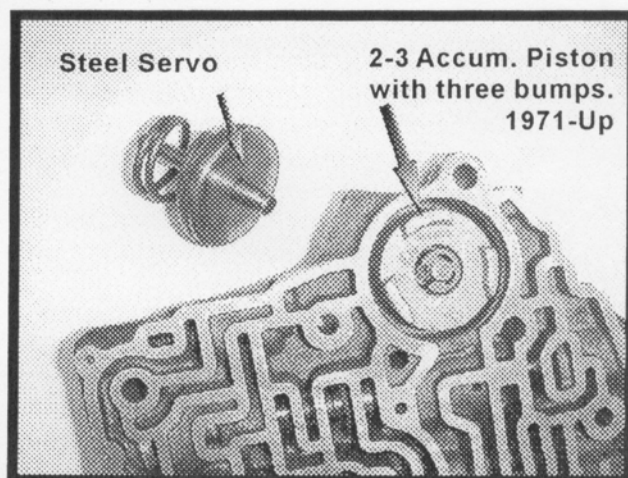
- STEP #8:** Install into the Coan Engineering valve body, the piston that matches the type intermediate servo in your transmission. **Do not** install spring from old valve body Fig. #1.
- STEP #9:** Using Special Valve Body Spacer Plate #24115, lay one of the new Valve Body Gaskets at a time behind plate and be sure all holes are open. Place petroleum jelly on **case side** of Valve Body Spacer Plate and place larger gasket on that side being sure all holes line up. Then put smaller gasket on the **valve body side** of the plate.
- STEP #10:** Install Balls #1 and #6 on new plate #24115 with petroleum jelly, Fig. #4. Balls #2, #3, #4, #5, the governor tubes and the white wire may be discarded. **Note:** If 1987-Up, transmission will have seven balls. Discard #7 ball.
- STEP #11:** Remove manual control valve from old valve body and place into your new valve body.
- STEP #12:** Sometimes the intermediate front servo will have fallen out when removing the old valve body. See Fig. #3 for proper reinstallation.
- STEP #13:** If transmission is still in vehicle, carefully place Special Valve Body Spacer Plate #24115 with gaskets, Ball #1 and Ball #6 onto the valve body. Take two valve body bolts and guide them up through the valve body, plate and gaskets.
- STEP #14:** Install valve body with gaskets and plate into transmission. **CAUTION:** Before tightening bolts in valve body, be sure to line up the manual control valve as mentioned in STEP #3, to prevent bending the valve, Fig. #2. Torque all bolts 8-10 ft/lbs.
- STEP #15:** Install new transmission oil filter being sure of a good fit. **CAUTION:** If filter is not properly installed, a loss of oil pressure will occur. Recommend using our filter #24006 (1965-67) models and #24011 (1968-Up) models. If 1968 or newer models, reinstall retaining bolt.
- STEP #16:** Disconnect vacuum line to modulator and be sure to block off line! Install #24122 Modulator Replacement Plug in place of the modulator. **Do Not remove the valve which was in the case behind the modulator!**
- STEP #19:** Replace old pan gasket with #24148C and bolt up transmission oil pan. Refill transmission with a good brand of Dexron Mercon or Type F transmission fluid. Warm transmission up and **select all gears with foot on brake.** Place gear selector in park. Then check to make sure transmission level is on the add mark. Take vehicle out and drive 2 or 3 miles. Then **recheck** oil level. Add oil if necessary to bring to the full mark. **DO NOT OVERFILL!**

Special Note: Governor can be removed from case.

Fig. #1



1965-1970 Inter. Servo & 2-3 Acc



1971-Up Inter. Servo & 2-3 Acc

CAUTION

Be sure that Manual Control Valve lines up with selector pin on the selector lever!

Fig. 2

Selector Lever

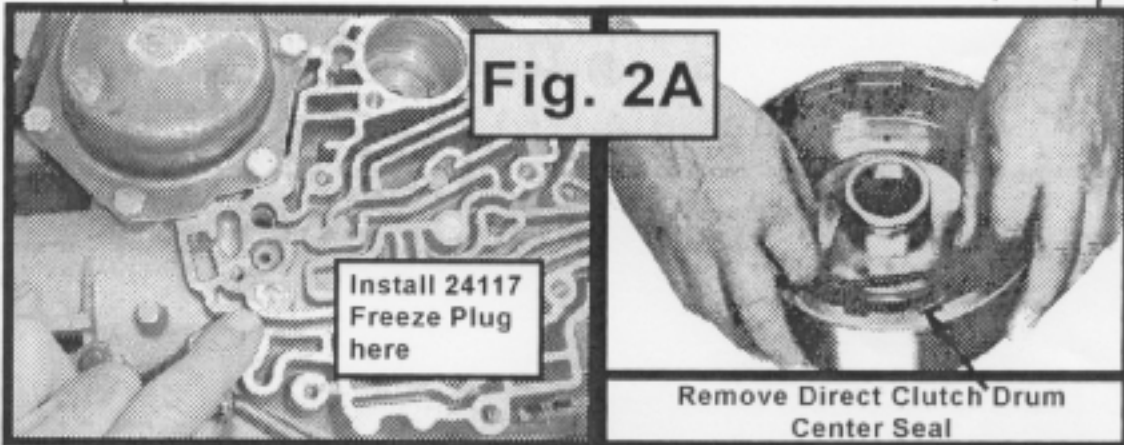
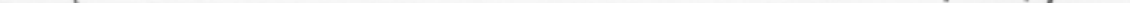
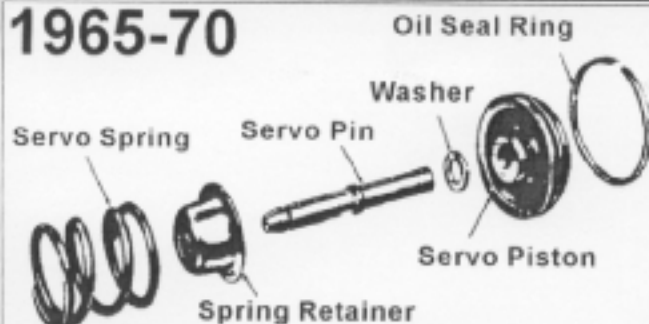


Fig. 2A

Install 24117 Freeze Plug here

Remove Direct Clutch Drum Center Seal

1965-70



1971-Up

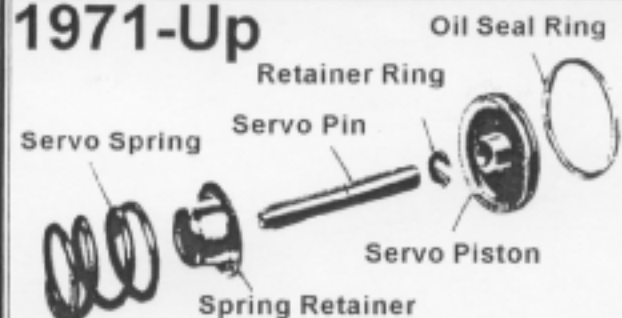


Fig. #3

SPECIAL INTERMEDIATE FRONT SERVO NOTE

Sometimes the Intermediate Front Servo will fall out when lowering the spacer plate. If so, be sure to reinstall per drawing.

Steel Ball Locations

Discard #7 Ball
if your unit has
one.

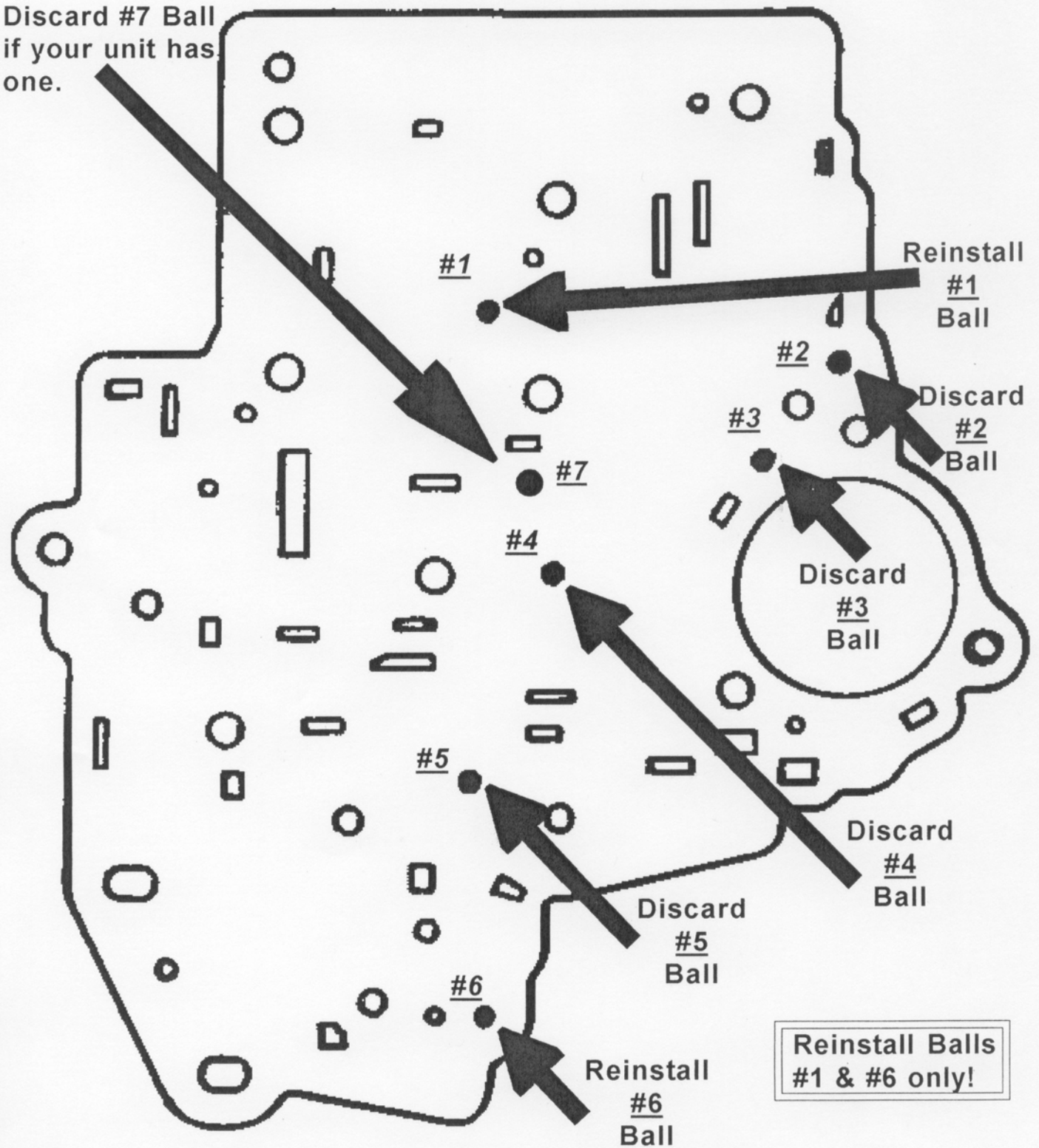


Figure #4