

SILVER SPORT

Transmissions

T56 Transmission Front Shift Kit w/SST Rails Installation Instructions



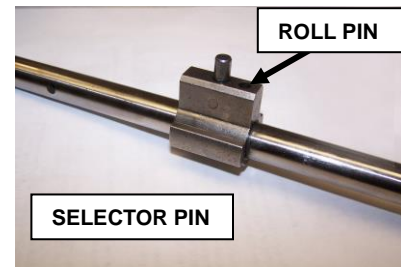
SHIFTER
MOUNT
PLATE
OFFSET



- 1) Remove (4) bolts from rear shifter and pry the shifter off the transmission. The shifter and bolts may be discarded.
- 2) Drive the 3/16" roll pin through the bottom of the rear offset lever and remove lever. If you are going to utilize the electronic reverse lockout feature, retain the rear offset lever and roll pin for re-assembly.
- 3) Remove (4) bolts from the front access plate, pry plate off the transmission and discard the bolts.
- 4) Drive the 3/16" roll pin through the front offset lever until lever will rotate freely on shaft.
- 5) Disassemble transmission to remove the top shift rail, following the factory TTC Service Manual available as a free download at:
[TTCAutomotive.com/Products & Services/Product Literature/T56 Service Manual TRSM-T56-0711](http://TTCAutomotive.com/Products%20&%20Services/Product%20Literature/T56%20Service%20Manual%20TRSM-T56-0711)
- 6) Discard the factory front offset lever, but save the detent ball, pin and spring.



7) Following service manual instructions, Section 3-9, remove shift rail asm. Drive 3/16" roll pin and remove selector pin from rail. Save roll pin - but discard shift rail.



8) Install roll pin from Step 7 into bottom side of selector pin to attach selector pin on new front rail TRA-00152 with selector pin orientation as shown on TRA-00151 Rail Modification drawing.

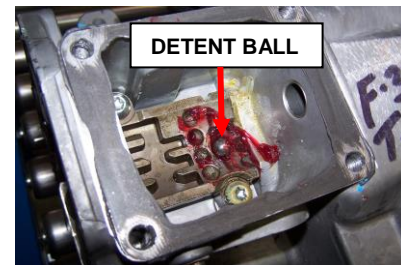
9) Partially reassemble transmission and install the new front shift rail asm.

10) Install the detent spring from Step 6 into the new front shift offset lever and install the detent ball.



11) Set the main case into position over the output shaft and countershaft, and let it rest on top of the dowels, about an inch away from the transmission front adapter plate.

12) Install the new TRA-00150 front shift offset lever asm onto the front shift rail asm and secure with one of the supplied 3/16" roll pins.



13) Insert the new rear rail supplied with your kit into the lever and secure with the other 3/16" roll pin.

NOTE: If the rear rail supplied in your kit has (3) holes, the middle hole is NOT USED for the front shift kit.

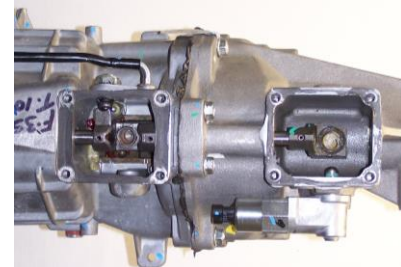
14) Complete the assembly of the T56 Extension components and housing.

15) Apply a bead of gasket sealant around the front shift opening on the transmission. Lightly lubricate the shifter stub ball with grease.



16) Install the new shifter assembly to the transmission using the (4) longer bolts supplied with kit and torque to 11-18 lb.-ft.

NOTE: Be sure to install the shifter assembly with the shifter mount plate offset positioned towards the front of the transmission (see photo on page 1).



17) If you plan on connecting the electronic reverse lockout solenoid, reinstall the original rear offset lever and secure with the original 3/16" x 1" roll pin.

18) There are two different sized rear shifter opening cover plates included in your kit. Select the appropriate size cover for your transmission. Apply a bead of gasket sealant around the shifter opening on the transmission, and install the new rear cover using the shorter bolts supplied with kit. If desired, affix the "STX" shifter badge to the new cover plate.

