



SILVER SPORT Transmissions

Mopar A41 Floor Shifter Installation Manual (Standard and Slapstick)

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SHIFTER REMOVAL PROCEDURE

- REMOVE NECESSARY INTERIOR COMPONENTS TO GAIN ACCESS TO THE SHIFTER ASSEMBLY.



- MAKE NOTES AND REFER TO THE FSM (FACTORY SERVICE MANUAL) FOR LATER INSTALLATION.
- REMOVE SHIFTER ASSEMBLY FROM THE CAR BY REMOVING LINKAGE AND 3 BOLTS.



Standard Shifter:

Passenger side



Driver side

- REMOVE REMAINING SHIFTER LINKAGE BETWEEN THE SHIFTER AND THE TRANSMISSION. (Linkage is not used with new 4-speed)

STOCK SHIFTER MODIFICATION PROCEDURE

- REMOVE THE STOCK 3-SPEED SHIFT GATE.



Firmly clamp shifter assembly



Grind off 2 rivets (driver side)



Align punch with rivet center



Punch rivets through



Free gate from assembly



Stock gate removed (Std. shown)

- INSPECT SHIFT MECHANISM FOR WEAR, AND REPLACE ANY WORN BUSHINGS OR OTHER PARTS.
- INSTALL NEW 4-SPEED SHIFT GATE (AND GUIDE ON SLAPSTICK SHIFTERS).



Standard Shifter gate orientation



Gate mounted inside shifter body



Slapstick, guide, and gate

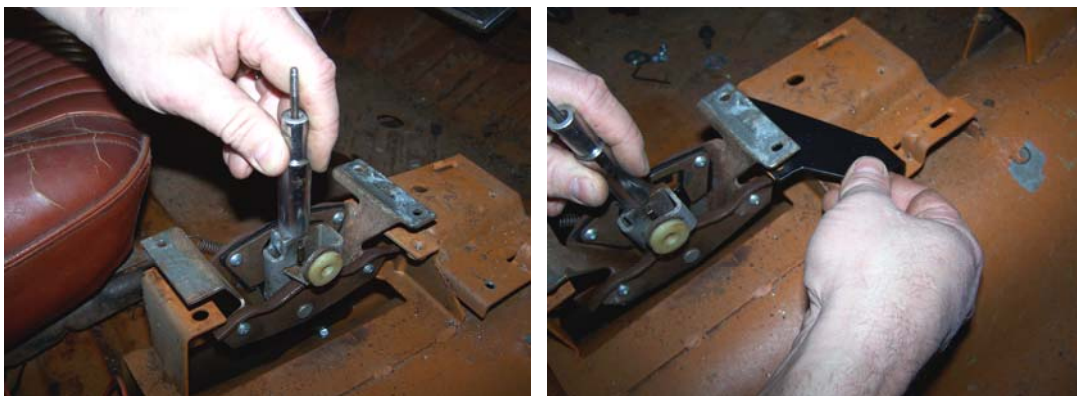


Slapstick guide and gate installed

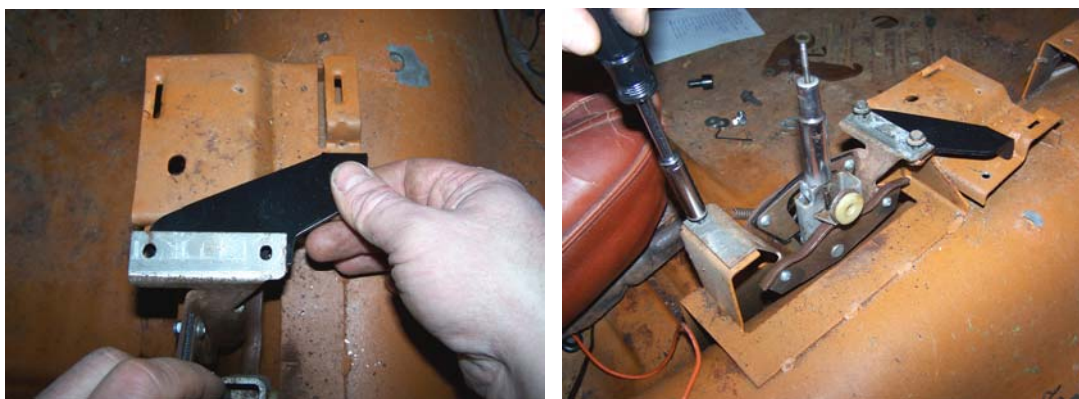
- TIGHTEN HEX NUTS ON DRIVER SIDE COMPLETELY.
- LUBRICATE GATE TEETH.

MODIFIED SHIFTER INSTALLATION

- PLACE MODIFIED SHIFTER ASSEMBLY AND CABLE BRACKET INTO STOCK FLOOR MOUNT AS SHOWN.



Slip cable mount bracket under front (2-bolt) flange as shown



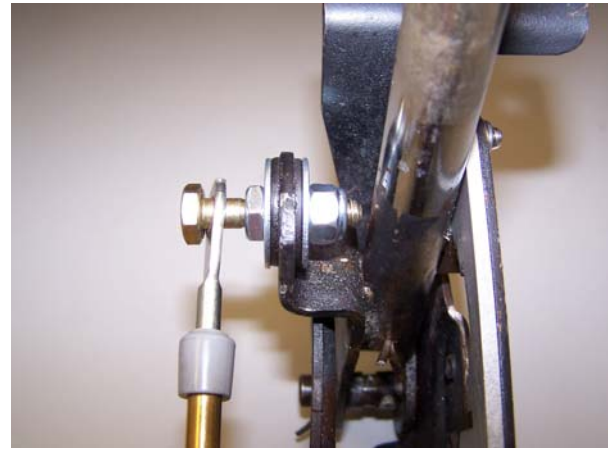
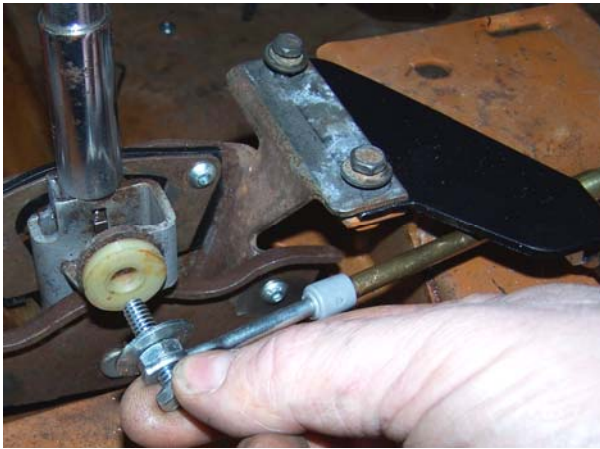
Install shifter assembly using stock hardware then tighten completely

- ROUTE CABLE THROUGH ORIGINAL SHIFT ROD HOLE IN FLOOR.
- ROUTE CABLE THROUGH CABLE BRACKET AND ATTACH.



Cable tab is bolted to back side of bracket as shown

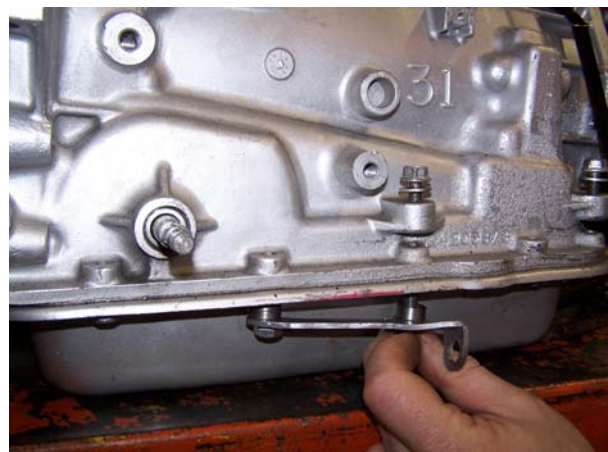
- ATTACH NEW SHIFTER CABLE TO MODIFIED SHIFTER ASSEMBLY.



Sandwich cable mount between washers, position cable eye between bolt head and adjusting nut.
Install bolt through mount hole and attach with nut.

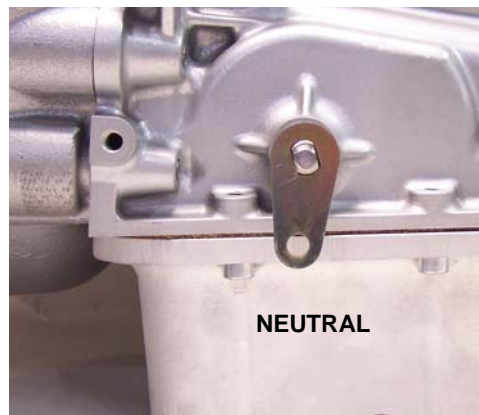
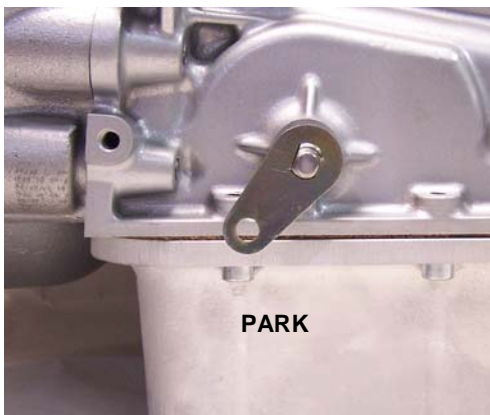
TRANSMISSION PREPARATION

- REMOVE (2) PAN BOLTS AS SHOWN BELOW, AND INSTALL CABLE MOUNT BRACKET ON TRANSMISSION USING THE REMOVED BOLTS AND SUPPLIED SPACERS. **NOTE:** STAGE 3 TRANSMISSIONS WITH CAST ALUMINUM PAN DO NOT REQUIRE SPACERS.

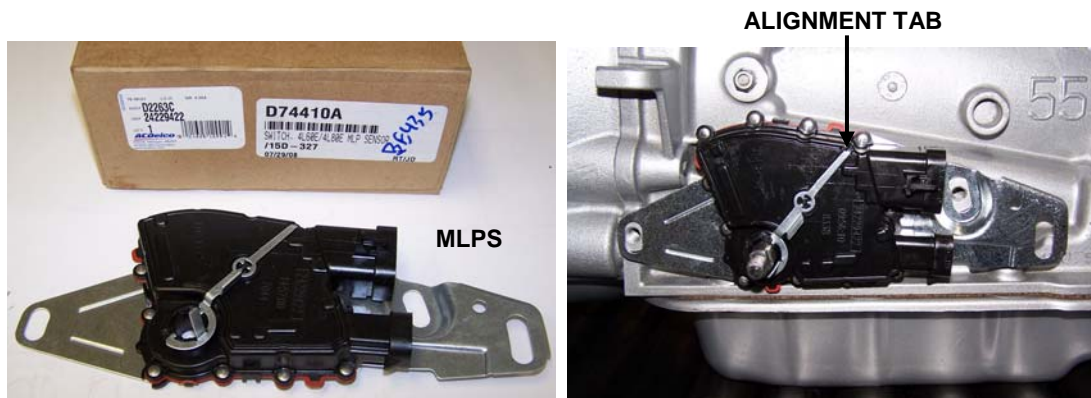


Carefully tighten bolts to avoid leaks at pan gasket

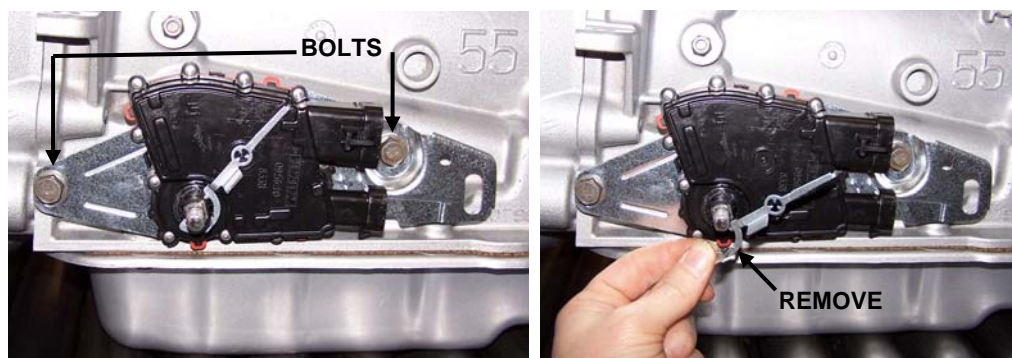
- TEMPORARILY INSTALL SHIFT ARM ONTO GEAR SELECTOR SHAFT.
- ROTATE SHIFT ARM/GEAR SELECTOR SHAFT FULLY CLOCKWISE UNTIL IT STOPS IN THE "PARK" POSITION.
- THEN ROTATE SHIFT ARM/GEAR SELECTOR SHAFT COUNTER-CLOCKWISE TWO (2) NOTCHES TO THE "NEUTRAL" POSITION.



- REMOVE SHIFT ARM. MAKE SURE THE METAL ALIGNMENT TAB IS INSTALLED ON THE MANUAL LEVER POSITION SWITCH (MLPS). THE METAL ALIGNMENT TAB ALIGNS THE FLATS ON THE SWITCH WITH THE FLATS ON THE GEAR SELECTOR SHAFT.
- INSTALL THE MLPS IN THE POSITION SHOWN BELOW.



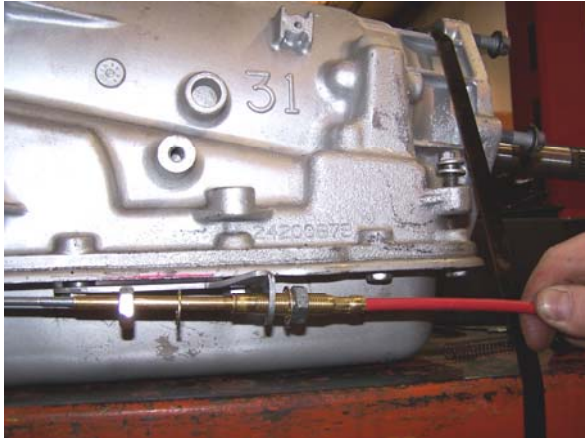
- FASTEN WITH (2) FLANGE HEAD M8x12 BOLTS (SUPPLIED).
- REMOVE THE METAL ALIGNMENT TAB.



- RE-INSTALL SHIFT ARM, INSTALL 12MM FLAT WASHER AND 10MM LOCK NUT (PROVIDED).
- ROTATE SHIFTER ARM FULLY FORWARD INTO THE "PARK" POSITION AND MOVE FLOOR SHIFTER INTO "PARK".



- FROM WHERE SHIFT CABLE EXITS THE FLOOR, ROUTE CABLE BACK TOWARDS CROSSMEMBER AND THEN FORWARD AGAIN THROUGH MOUNT BRACKET ON TRANSMISSION.

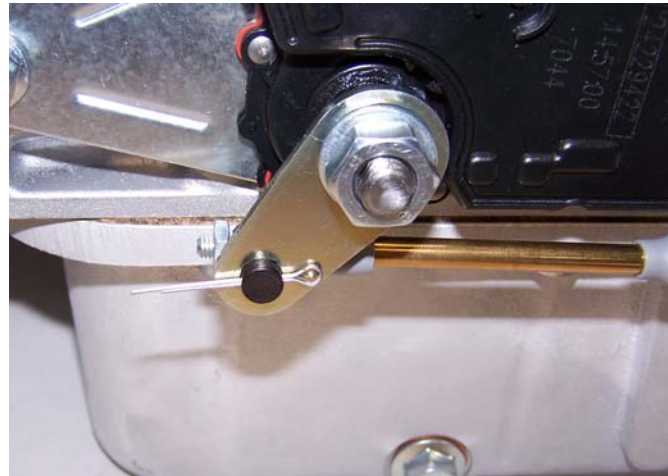
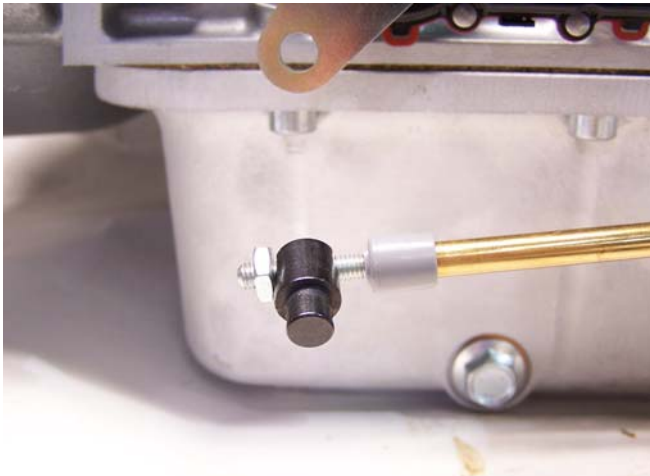


Mount cable as shown



Adjust cable stroke here

- THREAD ADJUSTING BARREL AND NUT ONTO SHIFT CABLE.
- APPLY A SMALL AMOUNT OF GREASE TO ADJUSTING BARREL AND ATTACH ADJUSTING BARREL TO SHIFT ARM WITH COTTER PIN.



- ADJUST & TEST SHIFT ASSEMBLY
 - Check full range of motion from PARK to 1st gear
 - Adjust cable stroke at cable mount jam nut
 - Fine adjustment at barrel on cable
 - Standard shifter works as original
 - Slapstick requires the button to be depressed & released between 3rd gear and Drive upshift. This feature prevents an accidental shift into Drive from 2nd gear.
- REPLACE CONSOLE, ETC. (REFER TO DISASSEMBLY NOTES)

SHIFT CABLE HEAT SHIELD FABRICATION

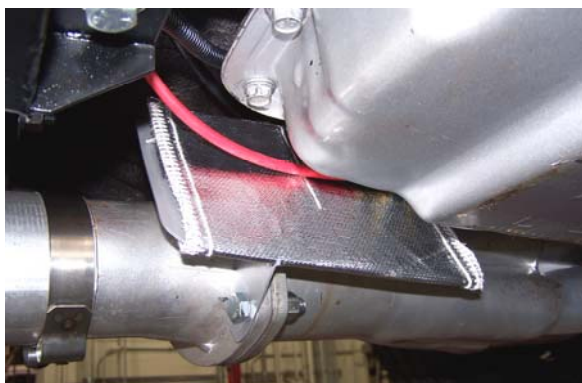
A heat shield is recommended between the exhaust and the shift cable. There are many different ways to make a simple heat shield, depending on your exhaust system design. A heat shield may be made of thin sheet metal and bolted to the exhaust using header collector bolts or an exhaust clamp. For greater protection, you can install insulating material on the shield. DO NOT wrap the cable itself. Refer to the examples below and to the shifter cable instruction sheet.



Heat shield made to bolt to exhaust header flange



Reflective insulation material



Custom heat shield installed on header flange

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CUSTOMER SERVICE AND TECH SUPPORT
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THIS PRODUCT. PLEASE SEND US PICTURES OF
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YOU RATE THIS PRODUCT. WE WILL BE POSTING
MANY CUSTOMER FEEDBACK LETTERS AND
PICTURES ON OUR WEBSITE AND BROCHURES.*

ENJOY YOUR SILVER SPORT TRANSMISSION SYSTEM!