



COMPETITION PLUS SHIFTER

Fits 83-93 Ford Mustang Equipped
With Tremec 5-Speed Transmission

Catalog #391 0070

INSTALLATION INSTRUCTIONS

WORK SAFELY!

Perform this installation on a good clean level surface for maximum safety and with the engine turned "off". Place blocks or wedges in front of and behind both rear wheels to prevent movement in either direction.

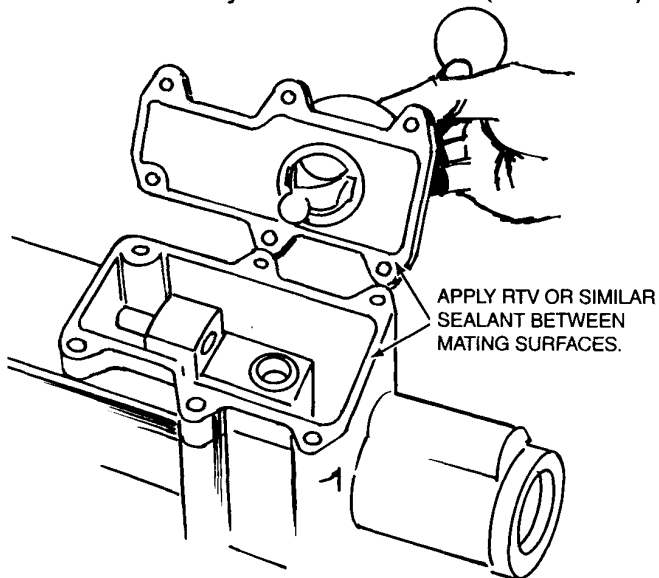
CAUTION: To avoid any possibility of bodily injury or damage to vehicle, do not attempt shifter installation until you are confident that vehicle is safely secured and will not move.

Factory Shifter Removal

1. Place shifter into neutral position.
2. Use a 13mm socket to remove six (6) Hex Head bolts that fasten shifter to transmission. Lift shifter assembly straight up and off.
3. Remove and inspect plastic cup bushing inside transmission, replace if worn or damaged. This part is available from Tremec Transmission Dealers. Re-install bushing in transmission.

Competition Plus Shifter Installation

1. Clean shifter mounting surface on transmission and apply RTV or similar sealant on mating surfaces of shifter assembly and transmission. (See Below)

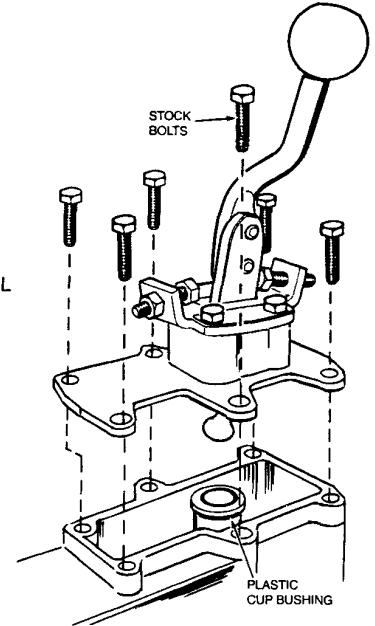


2. Install Competition Plus Shifter assembly onto transmission making sure that ball on stick bottom fits properly into plastic cup bushing (Refer to Fig. 1).

FIG. 1

IMPORTANT

IF YOU REMOVE STICK FROM SHIFTER DURING INSTALLATION. BE CAREFUL TO ENGAGE SERRATIONS AND TIGHTEN BOTH SCREWS EVENLY TO 15-20 LB. FT. THE SCREWS THAT ORIGINALLY FASTENED STICK MUST BE USED.



3. Re-install mounting bolts and tighten evenly to 30-35 lbs. ft. torque.
4. Test shifter operation. Move stick through entire gear shift pattern, make sure it engages each gear fully and that stick moves freely from side to side in "neutral" position.

Optional Adjustment of Shifter Stick Tension

CAUTION: WEAR SAFETY GLASSES FOR EYE PROTECTION. Shifter operation can be made "softer" by removing the smaller spring (inner) from each side of shifter stick.

CAUTION: SUDDEN RELEASE OF SPRINGS THAT ARE UNDER COMPRESSION IS DANGEROUS. RELEASE SPRINGS CAREFULLY.

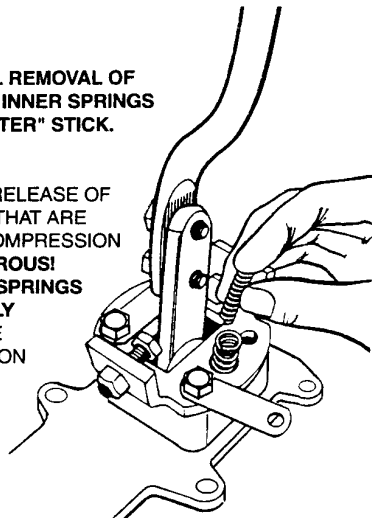
IMPORTANT: REMOVE SPRINGS ONE SIDE AT A TIME. SHIFTER CAN BECOME DIS-ASSEMBLED IF BOTH SIDES ARE REMOVED AT THE SAME TIME.

Loosen both Hex Head Cap screws using a 7/16" wrench. Remove one screw and slide retainer away to expose springs. Remove inner spring only. Replace retainer and screw. Tighten both screws to 125-150 inch pounds. Repeat this procedure on opposite side (Refer to Fig. 2) back page.

Fig. 2

OPTIONAL REMOVAL OF SMALLER INNER SPRINGS FOR "SOFTER" STICK.

CAUTION:
SUDDEN RELEASE OF SPRINGS THAT ARE UNDER COMPRESSION IS **DANGEROUS!**
RELEASE SPRINGS CAREFULLY
WEAR EYE PROTECTION



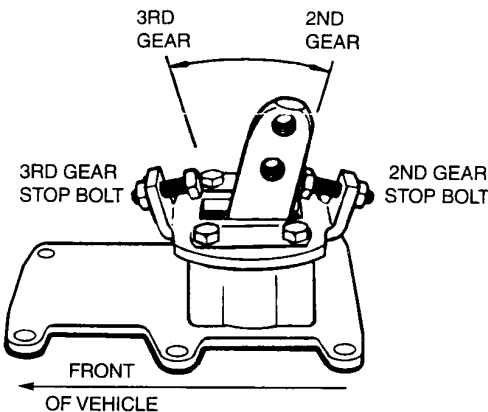
LOOSEN ONE SCREW, REMOVE OTHER SCREW, SWING RETAINER AWAY TO EXPOSE SPRINGS. REMOVE INNER (SMALLER) SPRING. REPLACE RETAINER AND SCREWS.

NOTE: If you are not satisfied with the "softer" shifting operation, re-install inner springs.

5. Adjust shifter stop bolts. Pull stick firmly into 2nd gear and hold securely. Turn rear stop bolt out until head contacts stick, rotate bolt one full turn "in" (away from stick). Hold bolt secure with wrench and tighten jam nut (Refer to Fig. 3).

Repeat adjustment on forward stop bolt. Push stick firmly into 3rd gear, and hold securely. Turn forward stop bolt out until head contacts stick, then rotate bolt one full turn "in" (away from stick). Hold bolt secure with wrench and tighten jam nut.

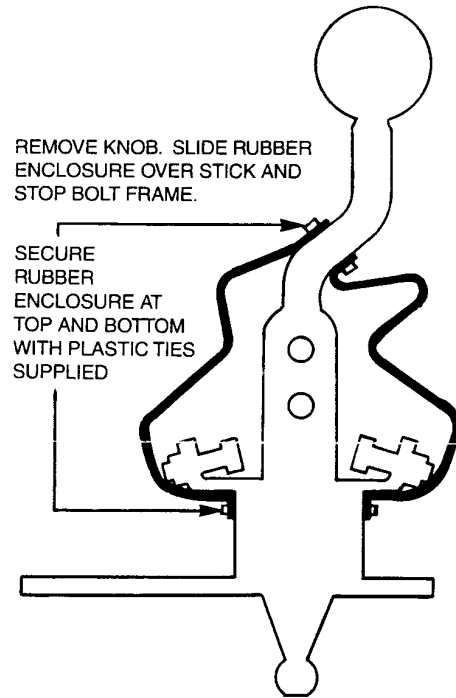
Fig. 3



TO ADJUST SHIFTER STOP BOLTS:
PULL STICK FIRMLY BACK INTO 2ND GEAR AND HOLD SECURELY. BACK REAR STOP BOLT OUT UNTIL HEAD CONTRACTS STICK. TURN BOLT BACK IN (AWAY FROM STICK) ONE FULL TURN. HOLD BOLT AND TIGHTEN JAM NUT. REPEAT SAME OPERATION ON 3RD GEAR STOP BOLT (AT FORWARD END OF SHIFTER).

6. Remove knob from shifter stick. Slide rubber enclosure supplied over the shifter stick and stop bolt frame. Fasten at top and bottom using plastic tie straps supplied (Refer to Fig. 4).

Fig.4



IMPORTANT: Rubber enclosure must be installed to prevent dirt and moisture from entering shifter base housing which can cause premature wear of shifter.

7. Install knob onto shifter stick, turn to desired position and tighten jam nut against knob.

NOTE: RETAIN THIS INSTRUCTION SHEET FOR FUTURE REFERENCE.

TECHNICAL SERVICE

A highly trained technical service department is maintained by Hurst Performance to answer your technical questions, provide additional product information and offer various recommendations. See your local retailer of Hurst products for specific prices. For best results, technical service calls, correspondence and warranty questions should be directed to the following address:

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