



COMPETITION PLUS SHIFTER

Fits 88 & later GM light trucks Equipped with
New Venture 5-speed MG-5 Transmission
S-10/S-15 Series Catalog #391 0110
C&K SeriesCatalog #391 0120

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. Remove screws from trim plate and shifter boot. Pull boot up onto shifter stick.

S-Series Vehicles only

a. Loosen jam nut securing stock shifter stick to stick bottom and unscrew shifter stick to remove.

b. Remove foam noise insulator dampener using care not to damage foam.

2. Remove four (4) bolts from shifter base and remove shifter assembly from transmission.

Competition Plus Shifter Installation

1. Unbolt and remove chrome plated stick from shifter base assembly and set aside.

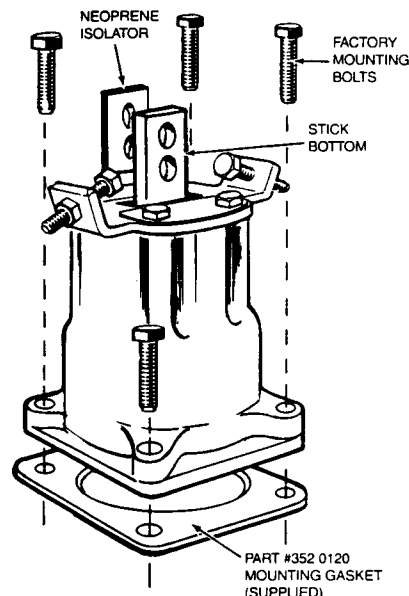
2. Clean shifter mounting surface on transmission and position new mounting gasket (supplied) in place.

3. Install Competition Plus Shifter Base assembly into transmission making sure that ball on stick bottom fits properly into shift selector socket.

4. Re-install four (4) factory mounting bolts and tighten evenly to 30-35 lbs. ft. torque.

5. Place neoprene isolator between shifter stick bottom and chrome plated stick. Fasten stick to shifter assembly and tighten bolts securely. (Refer to Fig.1)

FIG 1.



6. 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.

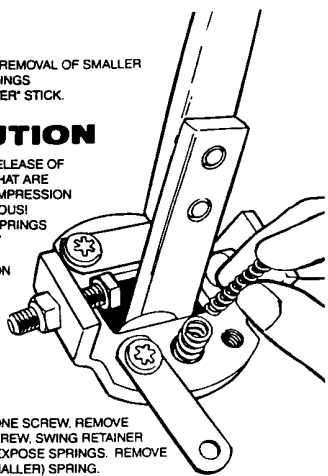
Loosen both screws using a No. 30 Torx Head screw driver. Remove one screw and slide retainer away to expose springs. Remove inner spring only. Replace retainer and screw. Tighten both screws to 125-150 inch pounds. Repeat this procedure on opposite side. (Refer to Fig. 2 on back page)

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



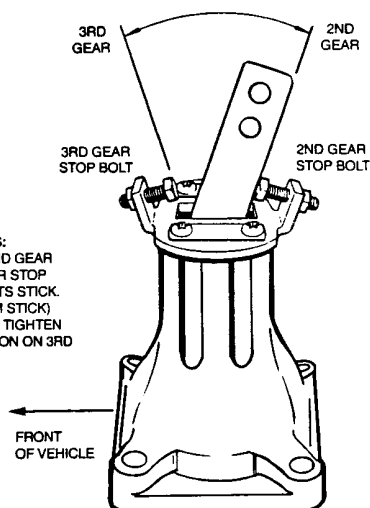
LOOSEN ONE SCREW. REMOVE OTHER SCREW. SWING RETAINER AWAY TO EXPOSE SPRINGS. REMOVE INNER (SMALLER) SPRING. REPLACE RETAINER AND SCREWS.

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

7. 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. 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. (Refer to Fig. 3)

S-Series Vehicles only

a. Carefully re-install foam noise insulator dampener.

FIG 3.

TO ADJUST SHIFTER STOP BOLTS: PULL STICK FIRMLY BACK INTO 2ND GEAR AND HOLD SECURELY. BACK REAR STOP BOLT OUT UNTIL HEAD CONTACTS 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).

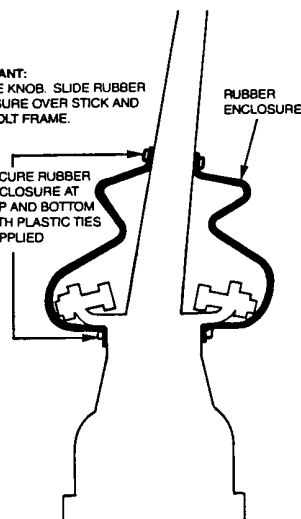
8. Remove knob from shifter stick. Slide rubber enclosure supplied over the shifter stick and stop bolt frame. Fasten at top and bottom using plastic tie straps supplied. (Refer to Fig. 4)

FIG 4.

IMPORTANT: REMOVE KNOB. SLIDE RUBBER ENCLOSURE OVER STICK AND STOP BOLT FRAME.

SECURE RUBBER ENCLOSURE AT TOP AND BOTTOM WITH PLASTIC TIES SUPPLIED

RUBBER ENCLOSURE



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

9. Slide Hurst Super Boot over shifter stick and down over shifter base. Place trim plate into position onto boot and align mounting holes. Drill eight (8) 1/8" dia. holes into floor tunnel using trim plate and boot as a template.

CAUTION: Before drilling any holes in floor, always check to be sure that underside is free and clear of any obstructions.

Secure Super Boot to floor using sheet metal screws supplied.

10. 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:

Hurst Performance
8700 Brookpark Road
Cleveland, Ohio
44129-6899

Phone (216) 398-8300
8:30 A.M. - 5:00 P.M. EST