



# COMPETITION / PLUS

U.S. PATENT NO. 3,216,274 & 3,306,126

## 4 SPEED FLOOR SHIFT

FORM 159 0801 REV01 04/10

### # 373 7638

## INSTRUCTIONS

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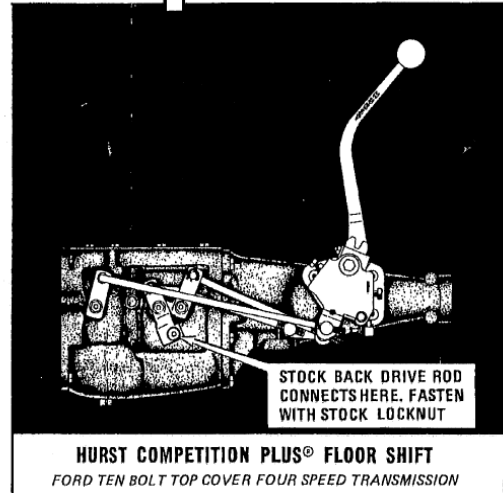
CHECK THE PART NUMBERS STAMPED  
ON ALL PARTS RECEIVED WITH KIT WITH  
THE PART NUMBERS SPECIFIED

1. Disconnect back drive from transmission arm only. Remove the rest of the stock linkage and stock mounting plate.
  2. Remove the stock back-up light switch assembly from the stock shifter as follows: Grasp plastic body of switch firmly and pull switch out of shifter mounting. Remove the spring clamp from the hole in the stock switch tab.
  3. Install the spring clamp into the back-up light switch bracket (Pt.6889). Push the stock switch all the way into the bracket (as far as it can go).
  4. Remove 3/8" bolt and jam nut from rear end of shifter. Install back-up light switch bracket under jam nut and tighten temporarily. NOTE: THIS SWITCH IS SELF-ADJUSTING, IT AUTOMATICALLY POSITIONS ITSELF THE FIRST TIME THAT YOU SHIFT INTO REVERSE.
  5. Install shifter on mounting bracket. Tighten mounting bolts.
  6. Assemble rods to their respective arms using nylon bushings and spring clips. Refer to exploded assembly drawing for proper parts combinations. Spin button onto threaded ends of rods to the middle of the thread length.
  7. Install arm - rod - button assemblies onto transmission. Fasten arms to shafts using stock nuts, lockwashers, and flatwashers.
  8. Insert nylon bushings into holes in levers - refer to assembly view. Align levers with shifter frame and insert neutral alignment rod (Pt. 1725) through notches in frame and holes in levers.
  9. Rotate transmission arms backward and forward. The neutral position for each arm can be felt at the mid-position of full travel. Reverse arm must be moved to the end of its travel toward the front of car (dis-engaged position)
  10. Adjust positions of button on each rod to permit easy slip-in fit of button into nylon bushing in proper lever. TRANSMISSION ARMS MUST REMAIN IN NEUTRAL POSITIONS WHILE ALIGNMENT IS ACCOMPLISHED. Fasten buttons in levers with spring clips.
  11. Remove neutral alignment rod. Test shifter. Stick should move freely from side to side at neutral (between 1-2 and 3-4 shifting paths). An increased pull toward the operator should engage the reverse lever. If shifter functions properly, proceed to paragraph 12.
- If the stick CANNOT be moved freely between 1-2 to 3-4 or reverse path, one or more of the rod button adjustments must be corrected. Move stick forward to 3rd, then back to 4th, then into neutral. Insert neutral alignment rod. If rod CANNOT be inserted freely, the 3-4 rod button is incorrectly adjusted. Similar testing of 1-2 shifter will prove alignment of 1-2 rod adjustment.
- To check reverse rod button adjustment, place stick on neutral. Disconnect reverse rod adjustment button from reverse lever. Grasp rod and push all the way toward front of car. Adjust rod button for easy slip-in fit in bushing. Re-assemble and fasten with spring clip.- 12. Adjust shifter stop bolts. Back both bolts out of shifter frame until only a few threads remain engaged. Push stick firmly into 3rd gear and hold. Screw 3rd gear stop bolt in until contact is made. Back bolt out one turn and tighten jam nut. Pull stick firmly back into 4th gear, screw 4th gear stop bolt in until contact is made, then back stop bolt out one turn and tighten jam nut.
- 13. Connect the back-drive linkage rod to stud on the lower end of the reverse arms

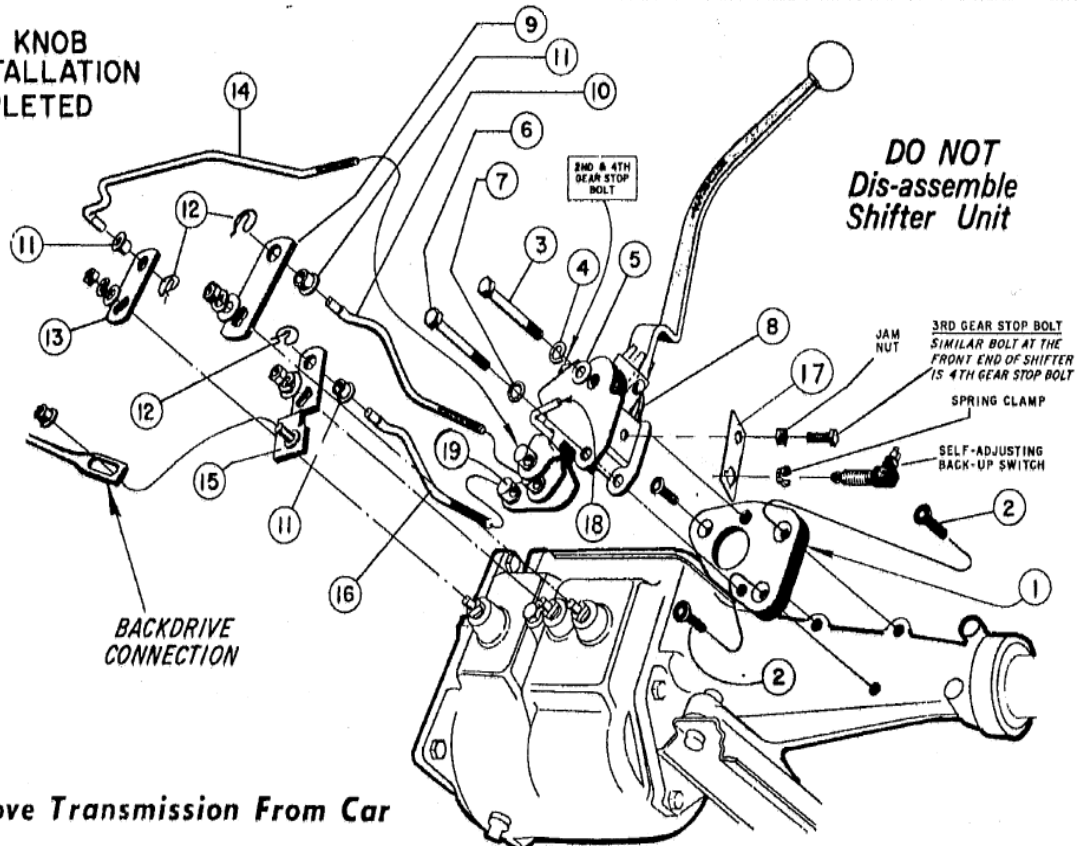
**CONTENTS OF KIT**

1. MOUNTING PLATE - Pt. 4120
  2. 5/16 -18 x 1 FLAT HEAD SOCKET SCREW (3) - Pt. 3531
  3. 7/16-20 X 3 BOLT - Pt. 3423
  4. 7/16" SPLIT LOCKWASHER - Pt. 97000404
  5. 7/16" FLATWASHER - Pt. 96000561
  6. 3/8-24-2 3/4 BOLT - Pt. 3459
  7. 3/8" INTERNAL TOOTH LOCKWASHER - Pt. 3533
  8. SHIFTER ASSEMBLY - Pt. 3180
  9. ARM 1st & 2nd - Pt. 2723
  10. ROD 1st & 2nd - Pt. 4146
  11. NYLON BUSHING (7) - Pt. 1681
  12. SPRING CLIP (7) - Pt. 97000015
  13. ARM 3rd & 4th - Pt. 2108
  14. ROD 3rd & 4th - Pt. 2774
  15. ARM REVERSE - Pt. 7646
  16. ROD REVERSE - Pt. 4147
  17. BACK-UP LIGHT SWITCH BRACKET - Pt. 6889
  18. NEUTRAL ALIGNMENT ROD - Pt. 1725
  19. ROD ADJUSTING BUTTON (3) - Pt. 3783
- BAGGED HARDWARE Pt. 154 4197

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**REMOVE KNOB  
UNTIL INSTALLATION  
IS COMPLETED**



**Do Not Remove Transmission From Car**

**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.

Technical service calls, correspondence, and warranty questions should be directed to the following address:

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