

THIS SHIFTER IS FOR RACING USE ONLY NOT FOR STREET USE!

#### **READ ALL OF THIS INFORMATION CAREFULLY**

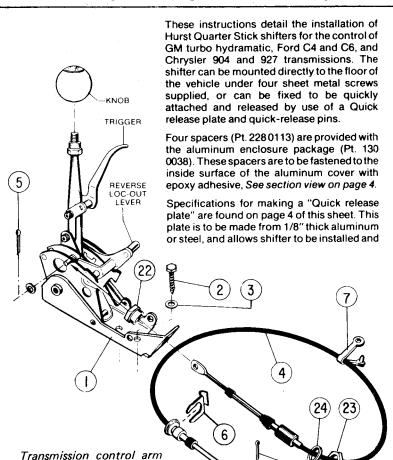
- 1. All adjustments must be made with shifter and transmission in Neutral (N).
- 2. Adjustments are critical and must be precise.
- Do not mix components (all parts including cable must be Hurst components provided with kit.
- If a shifter is removed and reinstalled, adjustments must be checked, and re-adjusted.
- Always check cable for freedom of motion before connecting at shifter and transmission arm.
- 6. Routing of cable should avoid sharp bends—(permanent damage of cable will result).

FAILURE TO COMPLY WITH ANY OF THE ABOVE MAY RESULT IN MALFUNCTION OF SHIFTER OPERA-TION, DAMAGE TO CABLE DUE TO SHARP BENDING OR KINKING IS NOT COVERED BY WARRANTY



# **QUARTER STICK**

NSTALLATION INSTRUCTIONS 316 0006 316 0007 316 0009 316 0010



for GM applications shown in this drawing (Pt. 105 0080). See page 2 for Chrysler and Ford applications.

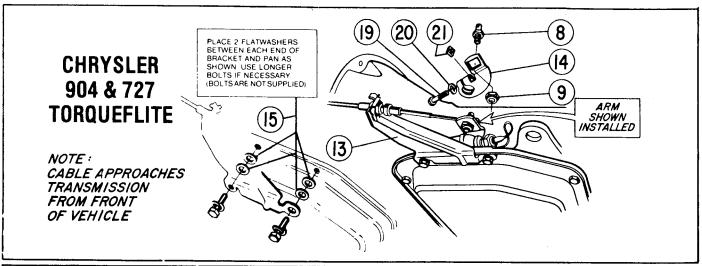
removed by simply inserting and withdrawing quick release pins (not included). The aluminum cover and the quick release pins are available from Hurst. Order Pt. 130 0038.

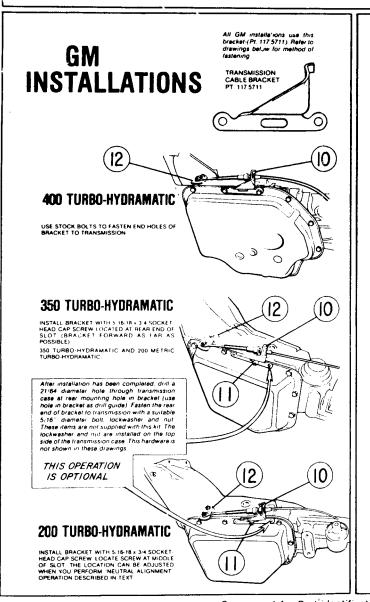
A Quick Release plate is also available from Hurst Performance dealer outlets. Ask for Part No. 195 0209

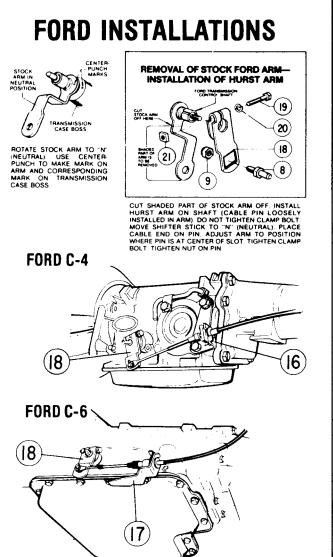
## **CONTENTS OF KIT**

1. SHIFTER ASSEMBLY	GM-PT. 316 0007
	FORD/CHRYSLER—PT. 316 0010
2. 1/4" x 1" SELF-TAPPING SH	EET METAL SCREW PT. 272 5699 (4)
3. 1/4" FLATWASHER	PT. 97000818 <u>(4)</u>
4. CABLE	Ford/Chrysler—PT. 120 5721
4A. CABLE	GMPT. 120 0025
5. COTTER PIN	PT. 190 3539 (2)
6. CABLE ATTACHMENT CLIP	PT. 127 5702 (2)
7. CABLE SUPPORT CLAMP	PT. 126 0013
8. CABLE ATTACHMENT PIN	PT. 189 0011
9. 3/8-16 SELF-LOCKING HEX-I	NUT PT. 179 5959
Refer to drawings of Cable Termination at Transmissions on	
Page 2 for further Parts Ident	ification.
GM TURBO-HYDRAMATIC INSTALLA	TIONS—GM 350, 400 & 200 METRIC
10. BRACKET—TRANS.—CABLE	MOUNTING PT. 117 5711
11. 5/16-18 x 3/4 SOCKET HE/	AD CAP SCREW PT. 215 0018
12. ARM—TRANSMISSION CON	TROL SHAFT PT. 105 0080
CHRYSLER INSTALLATIONS—TORQUE-FLITE 904 & 727	
13. BRACKET—TRANS.—CABLE	MOUNTING PT. 117 0094
14. ARM—TRANSMISSION CON	TROL SHAFT PT. 105 5984
15. 5/16" FLATWASHER	PT. 96000559 _(4)
FORD INSTALLATIONS-C4 & C6	
16. BRACKET—TRANS.—CABLI	MOUNTING—C4 PT. 117 0037
17. BRACKET—TRANS.—CABLI	
18. ARM—TRANSMISSION CON	TROL SHAFT PT. 105 0062
CHRYSLER AND FORD INSTALLATIONS	
19. 1/4-28 x 1-1/2 HEX-HEAD C	APSCREW PT. 215 4052
20. 1/4" SPLIT LOCKWASHER	PT. 97090082
21. 1/4-28 SQUARE NUT	PT. 179 0056
22. BEZEL NUT	PT. 179 0089
23. HEX-NUT	PT. 179 0090
24. FLATWASHER	PT. 267 0097
	OT 154 0175 (0M) 9 DT 154 0170

# CABLE CONNECTIONS AT TRANSMISSION CONTROL SHAFT







See page 1 for Part'identification by numbers circled.

Carefully direct threaded end of cable through shifter frame toward cable stud as shown in exploded view. Secure threaded portion of cable housing to shifter frame as shown using bezel nut (Item #22), hex nut (Item #23), and flatwasher (Item #24). Center thread so that an equal amount is visable on each end after nuts are finger tightened. \* For Ford/Chrysler 316 0009, slide end of cable through hole in shifter housing and place clip (item #6) on cable to secure its position.

Temporarily slide end of cable on stud to insure proper routing through shifter. Refer to detail drawing. Shift to neutral, then slide cable off of pin.

Remove stock transmission arm. Assemble the cable pin in the Hurst arm with hex nut as shown. Install the arm on transmission control shaft. Install cable bracket on transmission. Refer to directions with the illustration

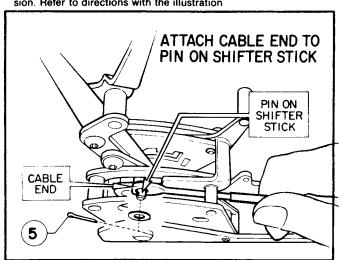
of your installation. Carefully route the cable toward the transmission cable mounting bracket and fasten in place with the cable attachment clip (Item #6). Push clip in until it is seated against ferrule on cable and front face of transmission cable mounting bracket. (CAUTION—AVOID SHARP BENDING OF CABLE. CABLE WILL BE PERMANENTLY DAMAGED BY ANY SHARP BENDING.)

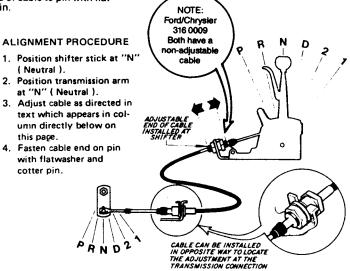
Locate cable hanger (Item #7) to apply support where it is most needed. Drill a 1/4 diameter hole through floor for cable hanger. Fold clamp around cable, push split end through hole in floor. Push pointed end through split end. Apply force until joint snaps together.

Rotate transmission arm to neutral (see illustration of shifter and transmission arm) and secure moveable end of cable to pin with flatwasher and cotter pin.

At shifter note position of moveable spade end of cable relative to cable stud. Shifter should be in neutral. Using the retaining nuts at threaded portion of cable, adjust the cable until spade end will freely enter on to cable stud. Shift through each gear position (up & down) and check for free entry of cable end on stud in each gear position—re-adjust if necessary to insure proper function. When satisfied with adjustment, tighten retaining nuts on threaded portion of cable without disturbing previous adjustment. Install cotter pin on stud and secure.

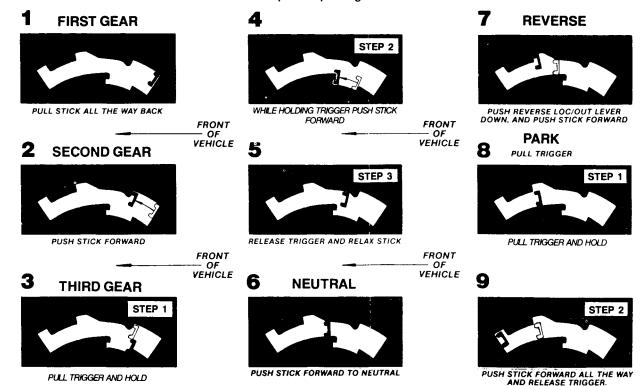
NOTE: If adjustment feature of cable is installed at transmission end, the same procedure for adjustment must be used, while a helper is shifting the Quarter Stick.





## SHIFTING PATTERN CHANGES

Lockplate opening shown



### **QUICK-HELEASE FLOOR PLATES OPTIONAL** OPTIONAL ALUMINUM COVER (PT. 130 0038) IF SHIFTER IS FASTENED DIRECTLY TO FLOOR (QUICK-RELEASE PLATE IS NOT USED)—REFER TO SECTIONED DRAWING BELOW. \*\*\*\*\*\*\*\*\*\*\*\*\*\* POSITION DECAL SPACERS (4) TO LINE UP WITH FASTEN ÖVÉR STICK POSITIONS HOLES INSIDE COVER WITH **EPOXY** ADHESIVE **ALUMINUM COVER** R-N-0-0 **SPACER** AND QUICK-RELEASE PT 228 0113 (4) PINS-HURST SHIFTER Ø PT. 130 0038 FRAME 0 FLOOR -SHEET METAL SCREW— PT. 272 5699 (4) QUICK RELEASE **PINS** FRONT OF **ALUMINUM COVER** 1/8" MAT'L. IF YOU WISH TO FABRICATE **TYPICAL** YOUR OWN QUICK-RELEASE -1/8" PLATE, USE THESE DIMENSIONS 3" REMOVE (ENLARGE) OPENING SHIFTER 11/2" FRAME 14 $2\frac{3}{8}$ 41/2" I/4"DIA. TYPICAL <u>"</u>2/ 5/6" **HURST QUICK-RELEASE** PLATE, PT. 195 0209 **SHOWN** ا⁄2′ا page 4

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