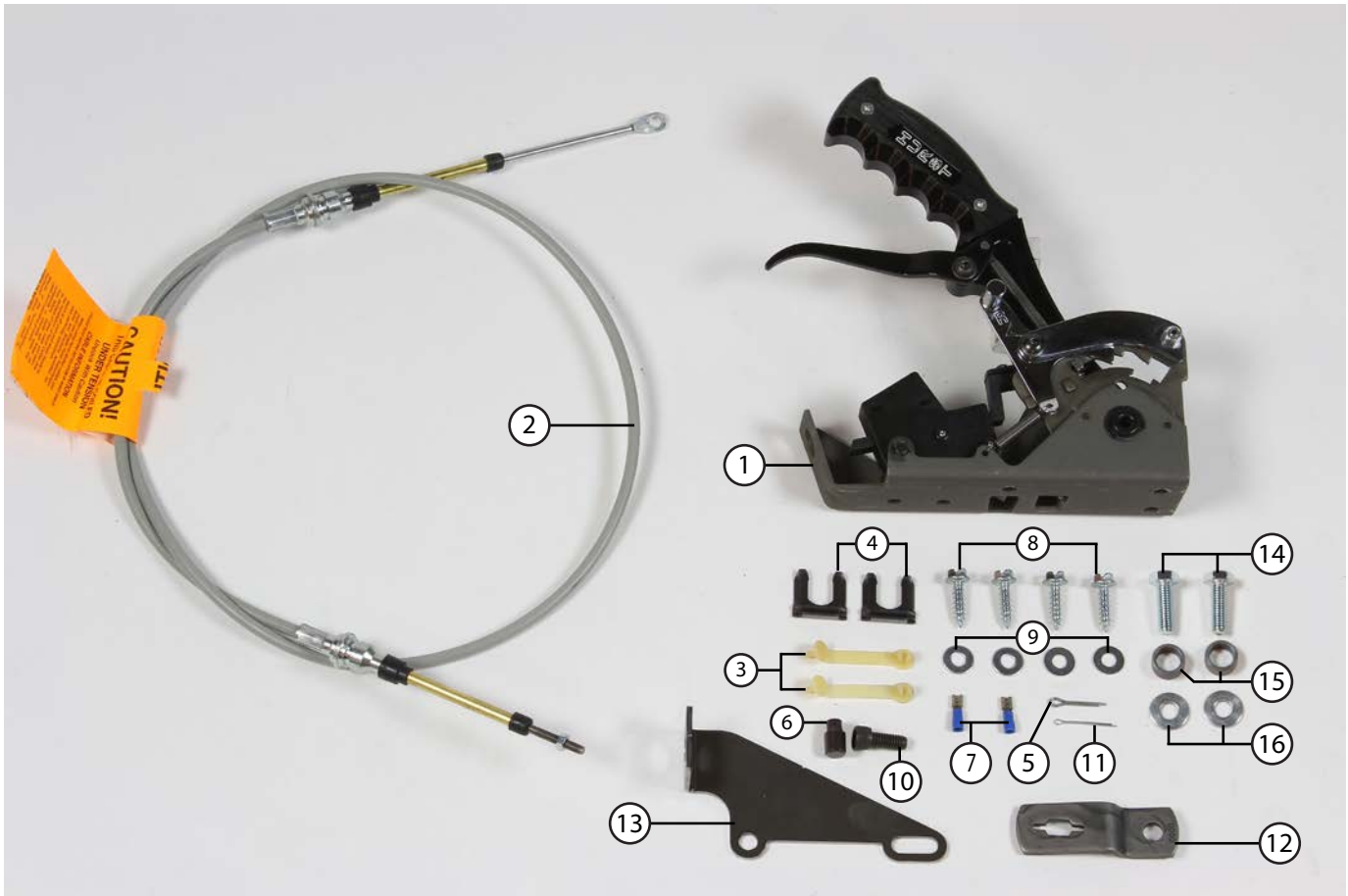




Installation Instructions for

Part No. **3162023**

**QUARTER STICK® 4-SPEED SHIFTER**  
 FOR GM TH200-4R, TH700-R4, 4L60, 4L60E, 4L65E, 4L80E &  
 4L85E TRANSMISSIONS WITH FORWARD VALVE BODY



ITEM	PART NO.	DESCRIPTION	QTY.
1	3162023	4 Speed Quarter Stick Assembly	1
2	1205721	60" Shifter Cable	1
N/A	1540175	Q-Stick Hardware Kit includes:	1
3	1260013	Clamp	2
4	1275702	Clip	2
5	3400188	3/32" x 3/4" Cotter Pin	1
6	1940005	Cable Pivot	1
7	2527600	Wire Female Solder Terminals	2
8	2725699	1/4" x 1" Sheet Metal Screw	4

ITEM	PART NO.	DESCRIPTION	QTY.
9	3400108	1/4" Flat Washer	4
10	97000867	5/16"-18 x 3/4" Cap Screw	1
11	3400119	1/16" x 1" Cotter Pin	1
N/A	1540199	Hardware Kit includes:	1
12	1050080	Transmission Arm	1
13	1172023	Trans Cable Bracket	1
14	3400729	M8-1.25 x 25 Hex Pltd Screw	2
15	4000693	Pan Cable Bracket Spacer	2
16	3401200	M8 Flat Washer	2

## OVERVIEW:

1. Please take a moment to read and understand these instructions before installing your Hurst 4-Speed Quarter Stick Shifter.
2. Inventory all parts before starting installation process. If necessary, call our tech line to report missing parts. This will help avoid stranding your vehicle until any missing replacement parts arrive.

### WARNING:

**WORK SAFELY!** For maximum safety, perform this installation on a clean, level surface with engine turned off. Chock wheels to prevent any movement.

**AVOID SERIOUS INJURY!** If you have to raise vehicle to work under it, support it on a lift or jack stands. **NEVER** work under a vehicle supported only by jacks.

### NOTES:

- Do not mix components (all parts including cable must be Hurst components provided in 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.
- Routing of cable should avoid sharp bends (permanent damage of cable will result).

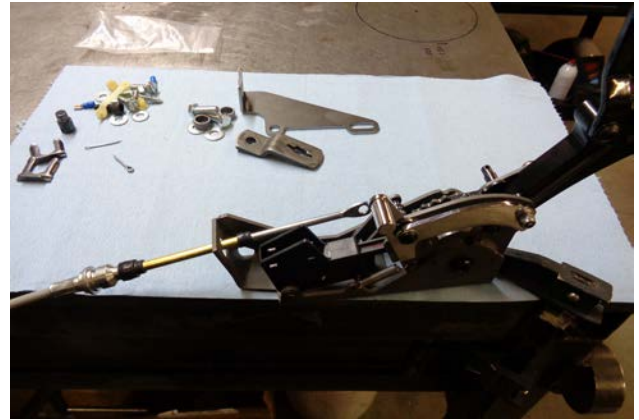
**IMPORTANT:** Ensure cable has adequate clearance around headers and exhaust system. Excessive heat will melt cable liner and result in cable breakage.

The shifter mechanism is precision assembled at our factory. **Any modification or assembly of shifter will void its warranty, and can cause malfunction.** Disassemble items only as directed by instructions.

**Failure to comply with any of the above may result in malfunction of shifter operation. Damage to cable due to sharp bending, kinking, or excessive heat is not covered by Warranty.**

## Install 4-Speed Quarter Stick Shifter:

3. The shifter can be mounted directly to floor using **screws (x4) (8)**.



4. With shifter mounted in desired location, direct eyelet end of **shifter cable (2)** through shifter frame.



5. Secure cable to frame using **clip (4)**, then press down until it is firmly seated.



6. Engage first gear, all the way back, then slide cable eyelet over pin on shifter stick. Install **cotter pin (5)** through hole in shifter pin to hold cable in place.

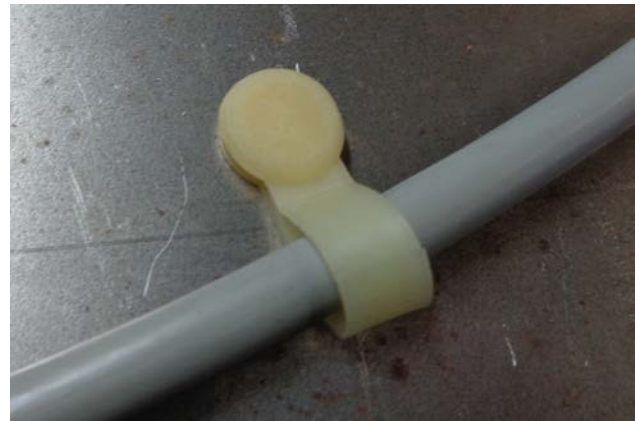
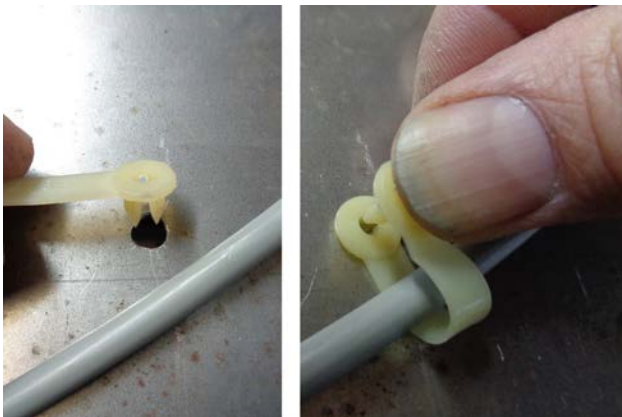
7. Remove stock transmission arm.



NOTE: If the transmission on your vehicle has an aluminum pan, do NOT use spacers.

8. Mount (x2 ea.) screws (14) through flat washers (16), cable bracket (x1) (13) and spacers (15) as shown.

9. Route cable through transmission tunnel, avoiding cable binding or kinking. Ensure cable is not too close to exhaust system where it can overheat.



10. Secure cable to chassis using clamps (x2) (3). Drill  $\frac{1}{4}$ " hole in tunnel or frame, fold clamp around cable and push split end through the  $\frac{1}{4}$ " hole. Push pointed end into split end until it snaps tight.



11. Install transmission arm (12) as shown.

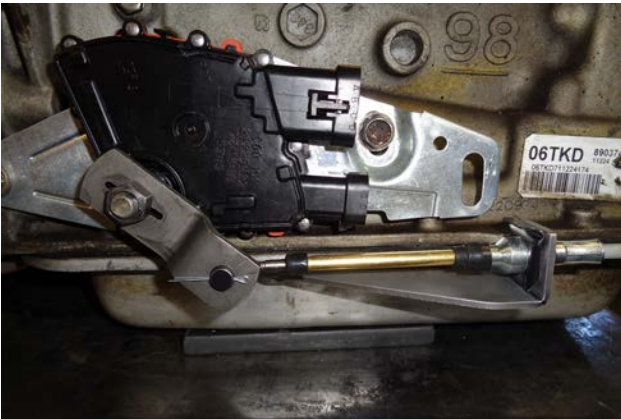


12. Insert cable through hole in mounting bracket and secure using clip (4), then press down until it is firmly seated.





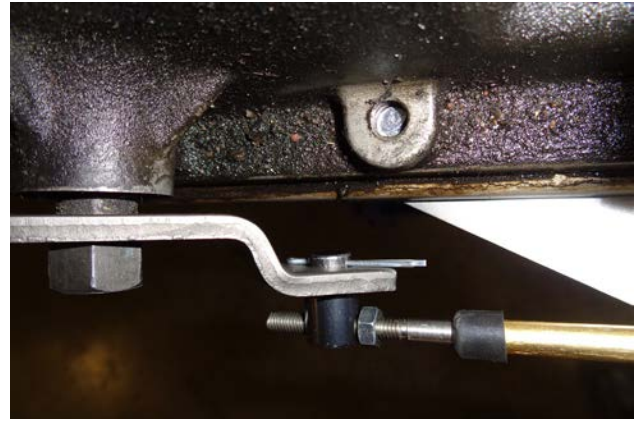
13. Thread **cable pivot (6)** onto threaded end of cable.



14. Make sure transmission is in first gear (fully back), then thread cable pivot in or out on cable until it lines up directly with hole in transmission arm. Insert cable pivot into hole in transmission arm.

NOTE: If your transmission has a PRNDL switch, insert cable pivot onto inside of arm.

15. Carefully shift through each gear (up and down) and check for free entry of cable pivot into transmission arm at each gear position. Re-adjust if necessary to ensure proper engagement in each gear.



16. When satisfied with adjustment, secure cable pivot to transmission arm using supplied **cotter pin (11)**. Lock cable pivot in this position with 10-32 nut supplied on shifter cable.

### Neutral/Park Start Safety Switch Electrical Wiring Instructions:

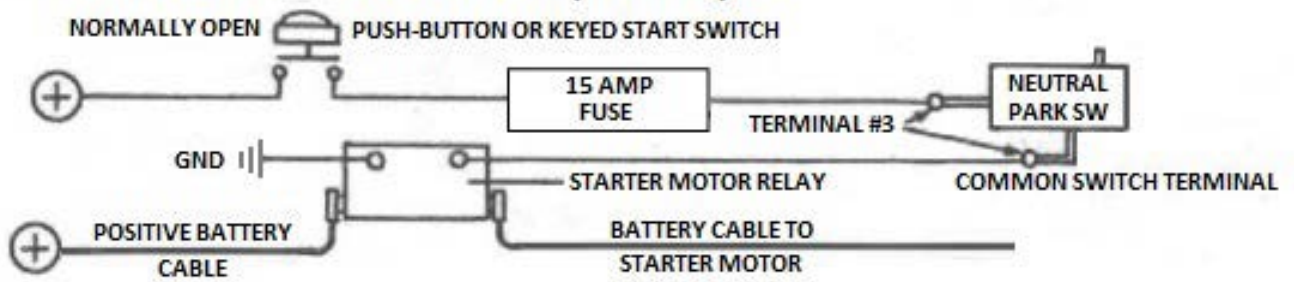
17. Vehicle must have engine off, parking brake securely engaged, wheels blocked, with transmission and shifter in neutral position before attempting switch wiring hookup.

18. Install **female crimp terminals (x2) (7)** to two suitable lengths of wire, use at least 16 gauge wire for installation.



19. Plug female connectors onto spade terminals of micro switch located in plastic switch housing.

## NEUTRAL/PARK SWITCH WIRING DIAGRAM (GENERAL)



20. Using wiring diagram above as a guideline, install switch wires into your starting circuit.
21. With shifter and transmission in neutral, ensure your engine will start. Repeat this with shifter and transmission in park position.



NOTE: If necessary, loosen screw on adjusting collar located near shifter handle then adjust slide mechanism back and forth until vehicle starts in neutral and park only.

Congratulations, the installation of your Hurst 4-Speed Quarter Stick Shifter is now complete!



NOTE: Hurst Performance maintains a highly trained technical service department to answer your technical questions, provide additional product information and offer various recommendations.

