

CA27328 DUAL CONNECTION/ THROTTLE & SHIFT KIT INSTRUCTIONS

INSTALLER: THESE INSTRUCTIONS CONTAIN IMPORTANT SAFETY INFORMATION AND MUST BE FORWARDED TO THE BOAT OWNER.

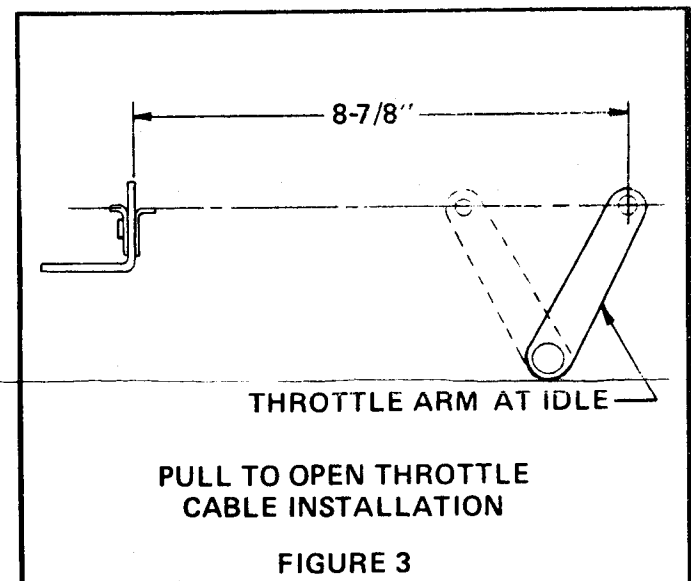
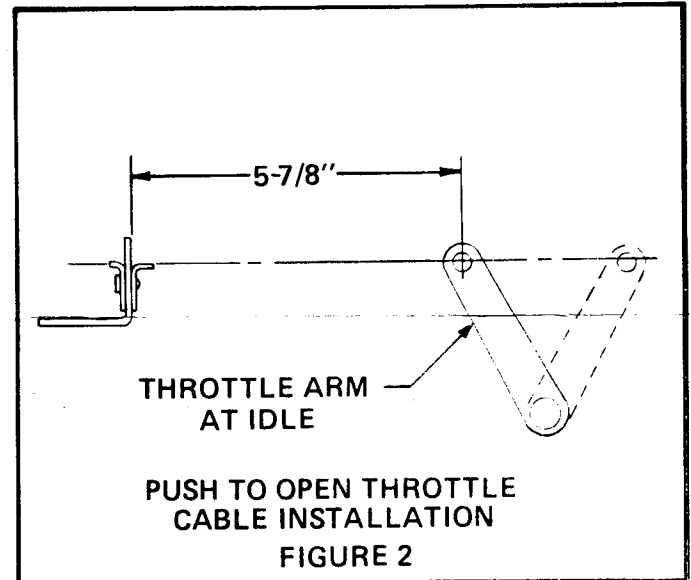
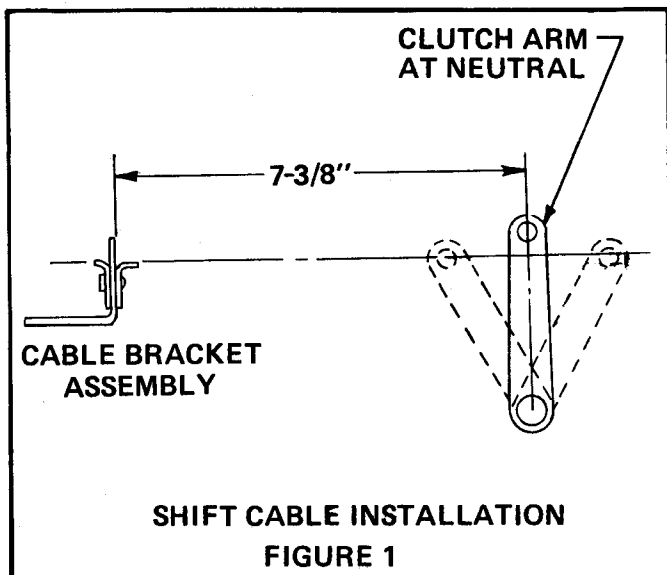
PARTS SUPPLIED IN THIS KIT ARE TO BE USED TO CONNECT TWO 3300 TYPE ENGINE CONTROL CABLES (MFD. BY TELEFLEX, INC., U.S.A.) TO A SINGLE THROTTLE OR SHIFT ARM ON AN INBOARD OR I/O ENGINE.

CAUTION

READ THESE INSTRUCTIONS THOROUGHLY BEFORE PROCEEDING WITH INSTALLATION. CHECK CONTENTS OF KIT AGAINST PARTS LIST ON THIS INSTRUCTION SHEET. PARTS SUPPLIED MUST BE USED PER INSTRUCTIONS. THE COMPANY CANNOT ACCEPT RESPONSIBILITY FOR THE INTEGRITY OF INSTALLATIONS IN WHICH SUBSTITUTE PARTS ARE USED.

NOTE: A Support Bracket similar to that shown in Figure 4 must be supplied to provide a mounting surface for the Cable Bracket Assembly. It must be constructed so that dimensions shown in Figures 1, 2 or 3, may be maintained, and allow an unrestricted path for cable installation and operation.

Mounting dimensions shown are measured with the clutch arm in neutral position and the throttle arm in idle position.



INSTALLATION INSTRUCTIONS

1. Attach Cable Bracket Assembly (Item 1) to mounting bracket as shown in Figure 4, using two each Machine Screws (Item 2), Lockwashers (Item 3) and Hex Nuts (Item 4). Tighten hardware securely.
2. Place cables into slots in Cable Bracket assembly and lock in place with clips as shown in Figure 4.

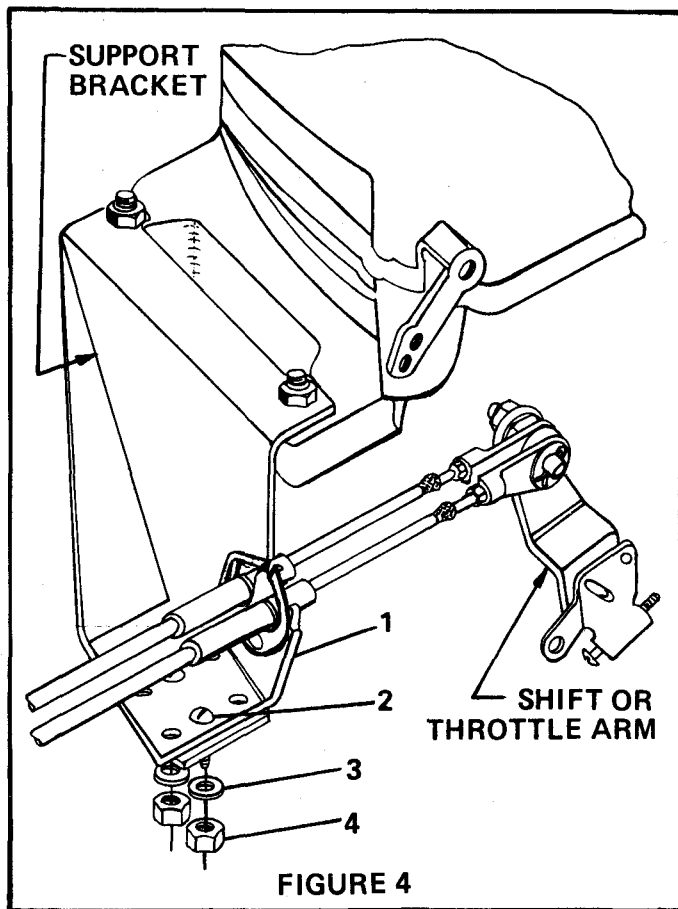


FIGURE 4

3. Install Pivot Pin (Item 5) thru hole in shift or throttle arm and attach using Lockwasher (Item 6) and Hex Nut (Item 7) as shown in Figure 5. Tighten hardware securely.

NOTE: If throttle arm has a pivot pin installed, remove and replace with one supplied in this kit.

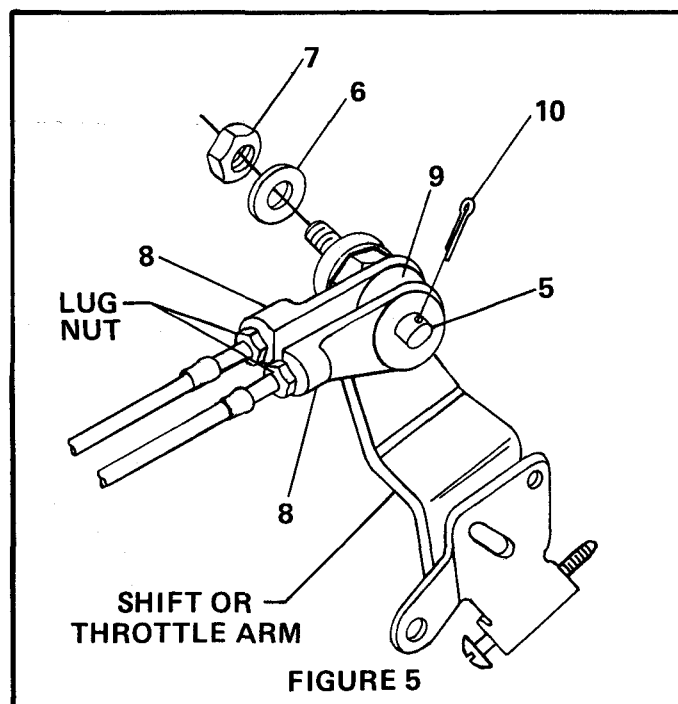


FIGURE 5

FOR SHIFT ARM APPLICATION:

Place control head shift lever in neutral position.
Place engine shift arm in neutral position.

FOR THROTTLE ARM APPLICATION:

Place control head throttle lever in "idle" position.
Place engine throttle arm in "idle" position.

4. Thread one Cable Lug (Item 8) onto each Cable end. Adjust by threading or unthreading until hole in Cable Lug will pass over Pivot Pin. Install in the position shown in Figure 5, with Flatwasher (Item 9) between Cable Lugs as shown.

5. Install Cotter Pin (Item 10) thru hole in Pivot Pin and spread tangs to lock into place.

6. Tighten cable terminal nuts (supplied with cables) securely against Cable Lugs.

FINAL ADJUSTMENT

For final adjustment and check-out procedures, refer to instructions supplied with Control Head assembly.

NOTE: BEFORE OPERATING BOAT, RECHECK ALL HARDWARE FOR SECURITY AND RE-TORQUE AS NECESSARY. THE BOAT SHOULD BE OPERATED WITH CAUTION UNTIL THE ENGINE CONTROL SYSTEM HAS BEEN THOROUGHLY CHECKED OUT UNDER NORMAL OPERATING CONDITIONS TO INSURE THAT THE INSTALLATION IS CORRECT AND FUNCTIONING PROPERLY.

PARTS LIST		
Item	Description	Quan.
1	Cable Bracket Assembly	1
2	Machine Screw 10-24 x 3/4"	2
3	Lockwasher No. 10	2
4	Hex Nut No. 10-24	2
5	Pivot Pin	1
6	Lockwasher 1/4"	1
7	Hex Nut 1/4-28	1
8	Cable Lug	2
9	Flatwasher 1/4" ID	1
10	Cotter Pin	1