



SEASTAR
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CA27321P ADAPTER KIT (J&E/OB) INSTRUCTIONS

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

THIS KIT CONTAINS THE PARTS REQUIRED TO ADAPT 3300/33C TYPE CONTROL CABLES (MANUFACTURED BY SEASTAR SOLUTIONS) FOR THROTTLE AND SHIFT APPLICATIONS WHEN USED WITH PRE-1979 JOHNSON AND EVINRUDE OUTBOARD MOTORS.

Additional items required to complete the installation are:
3300/33C TYPE CONTROL CABLES (See catalog)

CABLE INSTALLATION AND MOTOR CONNECTION MUST BE MADE IN ACCORDANCE WITH THE MOTOR MANUFACTURER'S INSTRUCTIONS. TO INSURE BEST REMOTE CONTROL PERFORMANCE, FREE OPERATION OF ALL MOTOR LINKAGE IS ESSENTIAL. OBSERVE ALL MOTOR MANUFACTURER'S RECOMMENDED PROCEDURES FOR ADJUSTMENT AND LUBRICATION.

CAUTION

READ THESE INSTRUCTIONS THOROUGHLY BEFORE PROCEEDING WITH ASSEMBLY. CHECK CONTENTS OF THE 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.

ASSEMBLY INSTRUCTIONS

1. Remove Jam Nut, Wiper Cap, and Swivel Boot from one end of each cable (See Figure 1). Save Jam Nut and Wiper Cap for re-use.
2. Slide one Adapter (Item 1) over each cable end until slot in Adapter Hub is aligned with groove in cable end fitting, as shown in Figure 2. Insert Retainer Spring (Item 2) into the appropriate slot, as shown, and snap into place. Make sure Retainer Spring is fully seated, locking Adapter securely to cable. Replace Wiper Cap on cable swivel tube as shown.

FIGURE 1

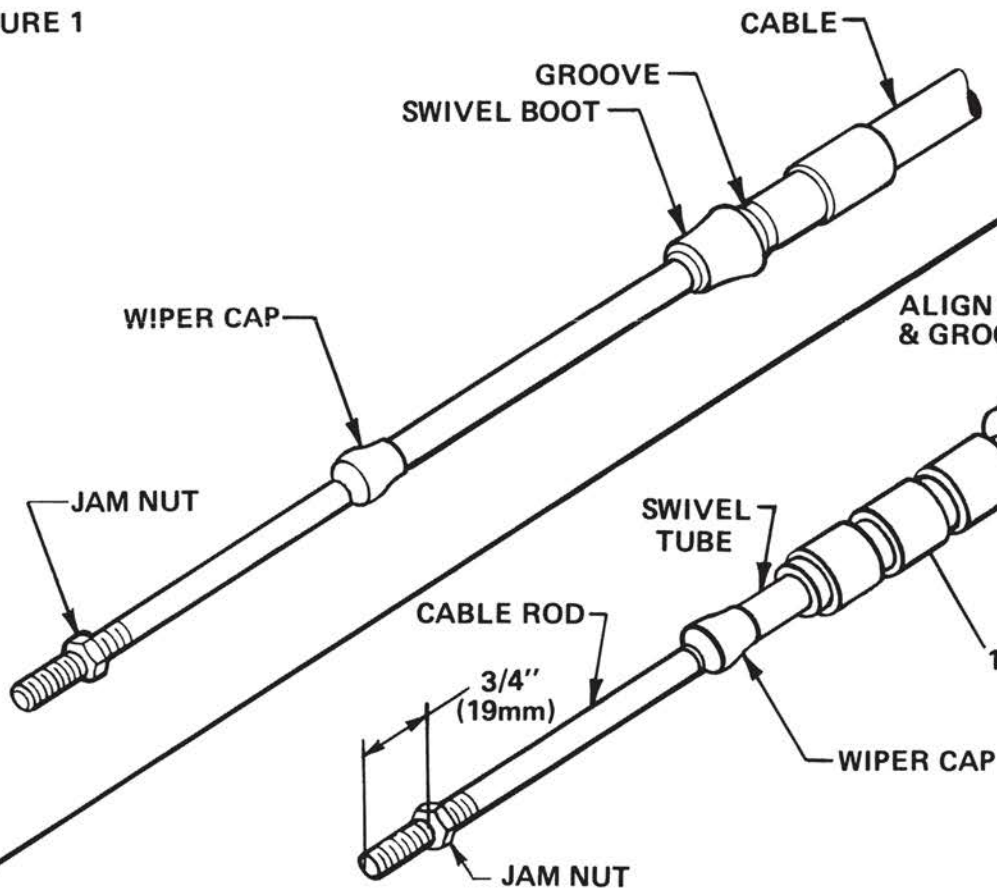


FIGURE 2

3. Thread Jam Nuts onto cable rods, exposing 3/4" (19 mm) of thread. See Figure 2.

4. FOR OMC/OB MOTORS 140 HP AND UNDER, ASSEMBLE CONTROL CABLES AS FOLLOWS:

Thread one Connector (Item 3) on each cable until it touches the Jam Nut. One cable is to be used for shift control.

On the other cable, assemble latch (Item 4), Cotter Pin (Item 5) and Washers (Item 6) as shown in Figure 3, spread Cotter Pin tangs uniformly. This cable is to be used for throttle control.

5. FOR OMC/OB MOTORS 175 AND 200 HP, ASSEMBLE CONTROL CABLES AS FOLLOWS:

Thread one Connector (Item 3) on each cable until it touches the Jam Nut. Either cable may be used for shift or throttle control. (See Figure 3).

The assembly is now complete.

ASSEMBLY ADJUSTMENT

In order to meet the proper dimensional requirements specified by motor manufacturers for different installations, a number of adjustments are possible.

The Adapter (Item 1) has three locating grooves, spaced 5/8" (15.9 mm) apart, and providing for a total cable adjustment of 1-1/4" (31 mm). The Connectors (Items 3 & 4) may be unthreaded up to 3/8" (9 mm) for fine adjustment. (See Figure 3) After this adjustment is made, tighten Jam Nut securely against base of Connector.

NOTE: ALL OF THESE ADJUSTMENTS ARE TO BE MADE AT INSTALLATION OF CABLE TO MOTOR, AND IN ACCORDANCE WITH THE MOTOR MANUFACTURER'S INSTRUCTIONS.



PARTS LIST		
Item	Description	Quan.
1	Adapter	2
2	Retainer Spring	2
3	Connector	2
4	Latch	1
5	Cotter Pin	1
6	Washer	2

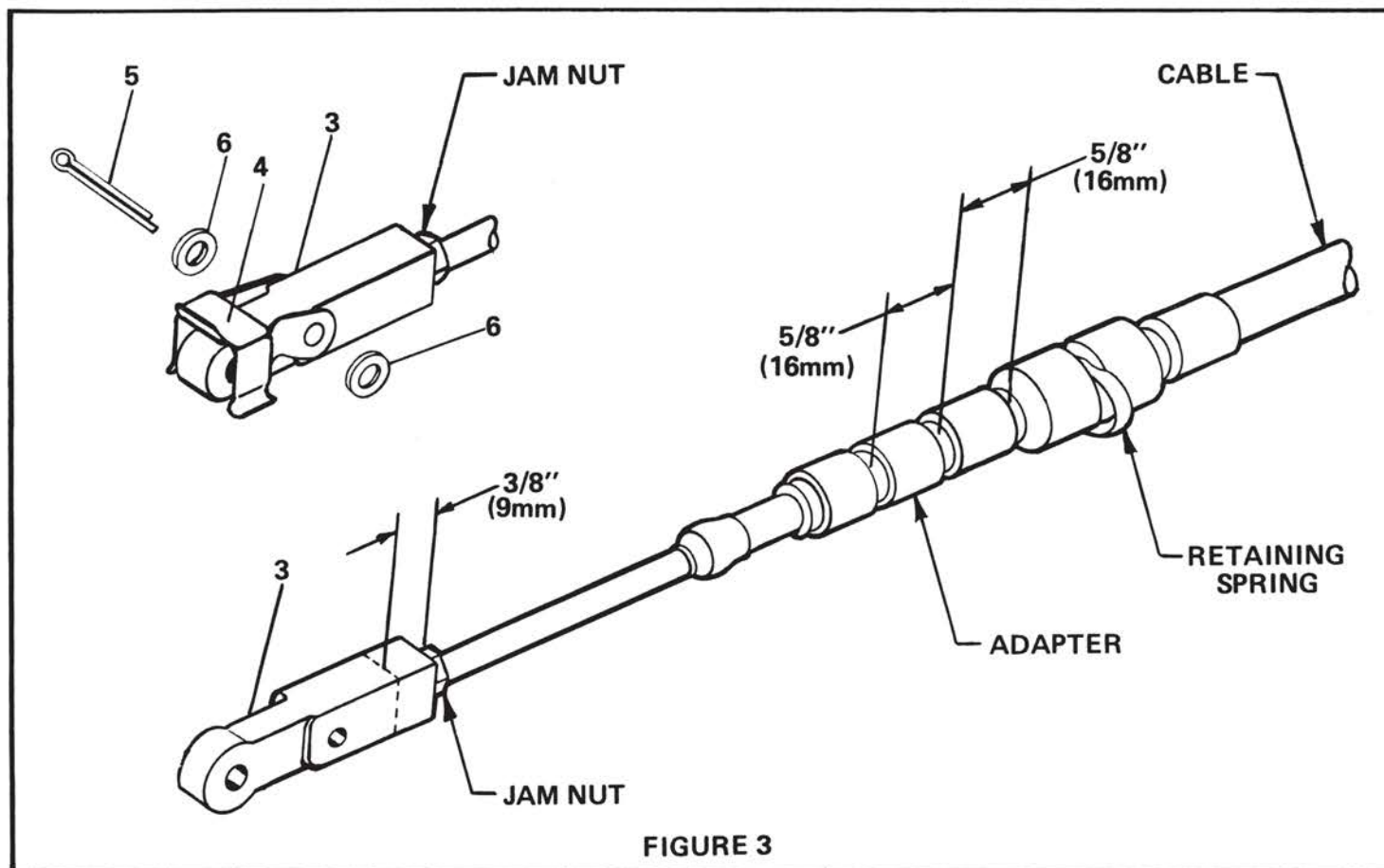


FIGURE 3