



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

3300/33C Cable Adaptor Kit FOR JOHNSON/EVINRUDE 1973 AND LATER MODELS - 55hp THRU 235hp

ADAPTER KIT PART NUMBER 301729

USE ONLY WITH 3300/33C CABLES (THIS KIT MAY NOT FIT OTHER CABLES)

CAUTION

After the control cables have been placed in the boat from the control to the engine, it is important to position the clamp nearest the motor correctly. A minimum of 32 inches (813mm) or a maximum of 42 inches (1067mm) should be maintained between the clamp and the engine, creating enough cable slack to permit turning of the motor without binding in all normal and tilted positions. See figure 1.

NOTE

Never clamp the cables in a position that will cause kinks or sharp bends to be formed in the cables.

PREPARE CABLE ENDS

MODELS

55hp, 70hp, 75hp, 200hp and 235hp (Refer to Figure 3)

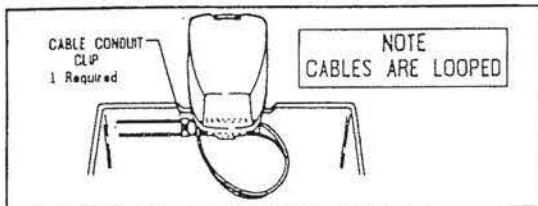


Figure 1

1. Remove the jam nut, rod seal and hub seal from the end of the cable. Discard the hub seal **ONLY**. See figure 2.
2. Slide the adapter over the end of the cable until the center clip position aligns with the groove in the cable hub. Insert the clip thru the adapter, but **DO NOT BEND THE EXTENDED TAB AT THIS TIME**.
3. Place the rod seal and jam nut back onto the cable rod end approximately 9/16 inch. **DO NOT TIGHTEN THE JAM NUT AT THIS TIME**.

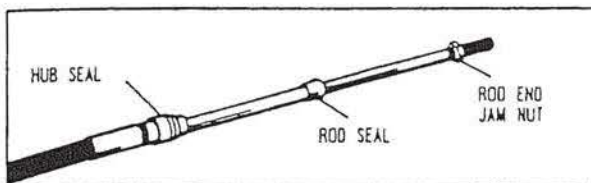


Figure 2

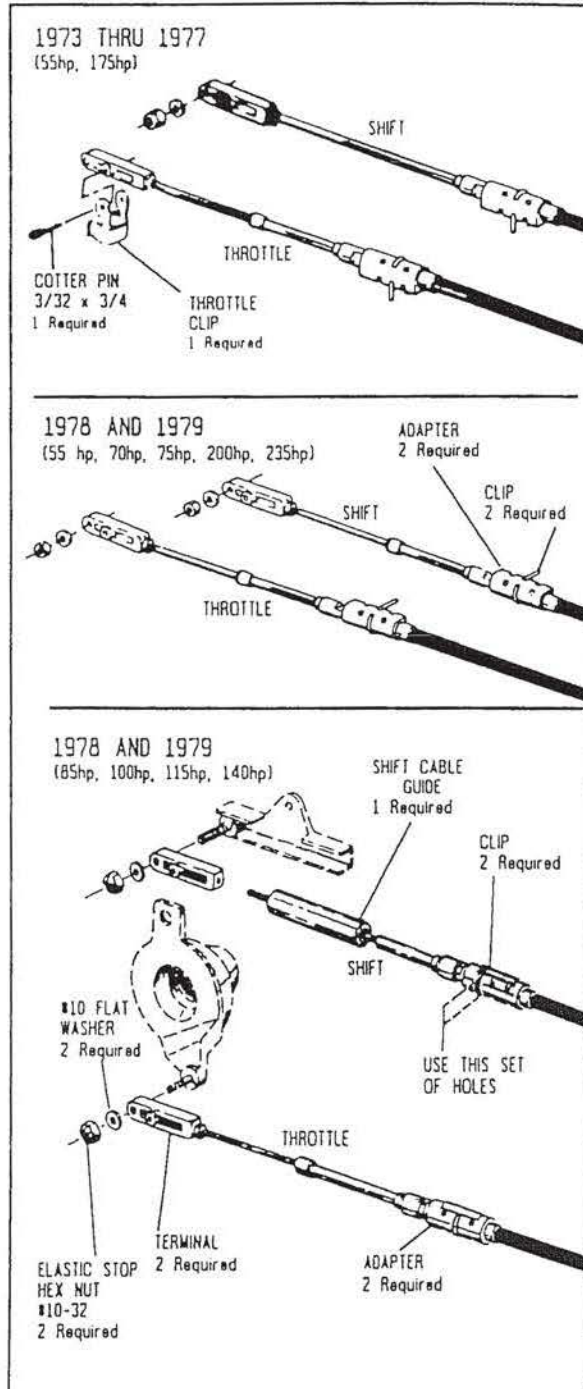


Figure 3

MODELS (1978)

85hp, 100hp, 115hp and 140hp

1. Shift Cable Only
 - a. Remove the jam nut, rod seal and hub seal from the cable end and **DISCARD ALL THREE**
 - b. Slide the adapter over the cable end until it bottoms. Insert the clip thru the adapter using the holes in alignment with the cable hub groove, and bend the extended tab inward against the adapter.
 - c. Thread shift cable guide onto cable rod end until it bottoms on the threads. Thread the terminal onto the rod end until it bottoms against the guide.
2. Throttle Cable
 - a. Remove the jam nut, rod seal and hub seal from the end of the cable. Discard the hub seal **ONLY** See Figure 2.
 - b. Slide the adapter over the end of the cable until the center clip position aligns with the groove in the cable hub. Insert the clip thru the adapter, but **DO NOT BEND THE EXTENDED TAB AT THIS TIME.**
 - c. Place the rod seal and jam nut back onto the cable rod end approximately 9/16 inch. **DO NOT TIGHTEN THE JAM NUT AT THIS TIME.**

CABLE INSTALLATION AND ADJUSTMENT (SINGLE LEVER CONTROLS ONLY)

1. Place the cable adapters into the receptacles provided on the engine. Install the cable retainer (part of the engine) to hold the cables in place, but **DO NOT FULLY TIGHTEN THE RETAINER BOLT UNTIL AFTER FINAL CABLE ADJUSTMENTS HAVE BEEN MADE.**
2. Throttle Cable Adjustment
 - a. Place the remote control hand lever into **FORWARD DETENT** position and place the engine throttle arm against the idle stop.
 - b. Check the attaching hole in the throttle cable terminal for alignment with the pin on the throttle lever. If more than 1/4 inch of adjustment is necessary to align the terminal with the pin, remove the clip from the adapter and slide the cable to one of the other two clip positions and reinstall the clip.

NOTE

Always select the clip position in the adapter that will position the terminal nearest to the pin in the throttle lever.

- c. Grasp the terminal on the end of the throttle cable and pull firmly, removing the backlash from the cable, thus assuring constant idle speed. Adjust the terminal until the attaching hole slips over the pin in the throttle lever. Secure the terminal to the pin using

the flat washer and locknut on the pin. Note the cable rod end must have a minimum of 1/4 inch of thread engagement in the terminal after the final adjustment has been made.

- d. Tighten the jam nut on the cable rod end against the terminal. Bend the extended tab of the clip inward against the adapter and tighten the cable retainer bolt (part of the engine)
3. Shift Cable Adjustment
 - a. Place the remote control hand lever in the **NEUTRAL** position and place the shift lever on the engine in the **NEUTRAL** position. Note the amount of freeplay in the shift lever and position the lever in the center of this travel, as shown in Figure 4.

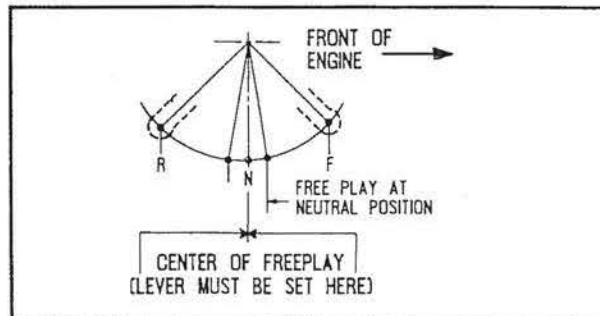


Figure 4

- b. Check the attaching hole in the shift cable terminal for alignment with the pin on the shift lever. If more than 1/4 inch of adjustment is necessary to align the terminal with the pin, remove the clip from adapter and slide the cable to one of the other two clip positions and reinstall the clip.

NOTE

Always select the clip position in the adapter that will position the terminal nearest to the pin in the shift lever (not required on 85hp, 100hp, 115hp and 140 hp Models).

- c. Recheck the position of the shift lever as shown in Figure 4. Adjust the terminal on the cable rod end until the hole slips over the pin on the shift lever. Secure the terminal to the pin using the flat washer and locknut.
- d. Tighten the jam nut on the cable rod end against the terminal. Bend the extended tab on the clip inward against the adapter and tighten the cable retainer bolt (part of the engine).