



**EVINRUDE<sup>®</sup>**  
**Johnson<sup>®</sup>**

# Steering Connector Kit P/N 173710 Installation Instructions

## PREFACE


This kit is made available for Johnson<sup>®</sup> and Evinrude<sup>®</sup> 1977 and later 25 models to use a B.I.A. approved transom mounted push-pull steering system.

## SAFETY CONSIDERATIONS

A strong steering system is important to the safe control of a boat.

If assembled wrong, or carelessly, the steering system may:

- jam suddenly—operator would be unable to turn boat.
- sever, or fall apart—people may be thrown from boat and struck if boat circles.

To help prevent such mishaps, follow directions carefully. Important assembly steps are shown in **BOLD LETTERS** and marked in the margin by the symbol .

## DISASSEMBLY

1. Remove the starboard stern bracket by removing the two screws and tilt bolt nut. See Figure 1.

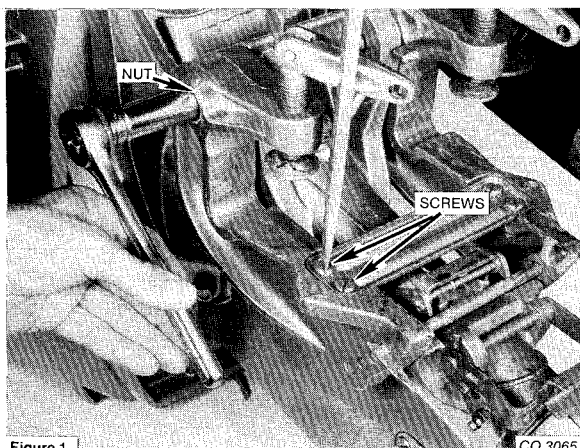


Figure 1.

2. Remove cotter pin from pivot shaft lock lever. Remove lock lever, and discard manual locking lever arm. See Figure 2.

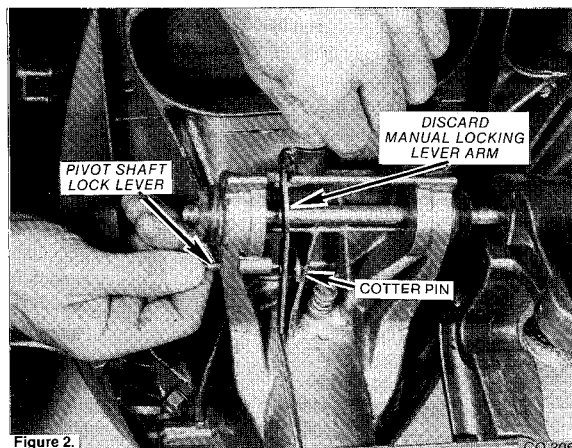



Figure 2.

## REASSEMBLY

1. Install new manual locking lever arm, pivot shaft lock lever and cotter pin in reverse order of disassembly.

2. Install stern bracket with two screws and tilt bolt nut. See Figure 1. Tighten nut so tilt friction holds the engine in any tilt position.

 3. Install two screws through steering anchor to steering bracket and **TORQUE TO 10-12 FOOT-POUNDS (14-16 N.m)**. See Figure 3.

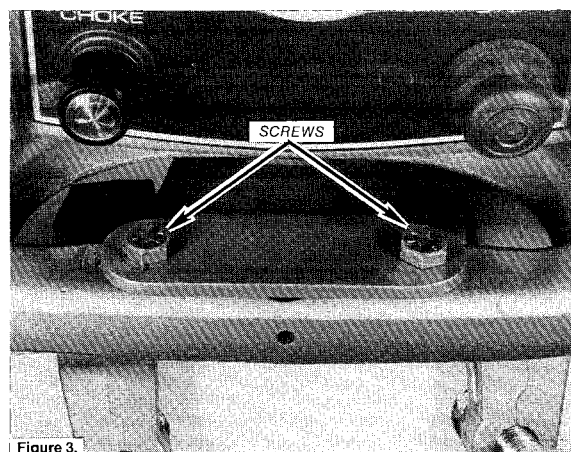


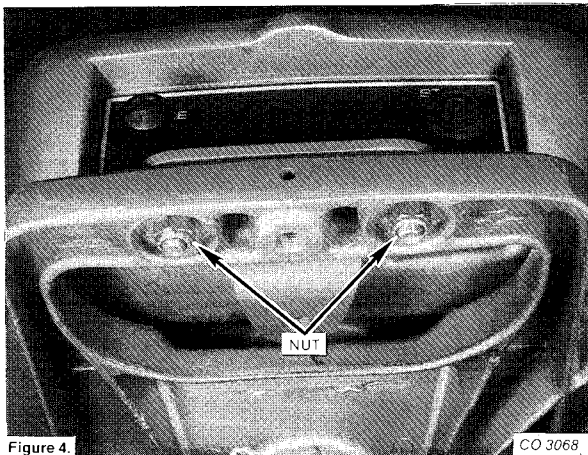
Figure 3.

## PRODUCT REFERENCES & ILLUSTRATIONS

WHEN REFERENCE IS MADE IN THESE INSTALLATION INSTRUCTIONS TO A BRAND NAME, NUMBER, PRODUCT OR SPECIFIC TOOL, AN EQUIVALENT PRODUCT MAY BE USED IN PLACE OF THE REFERRED TO PRODUCT UNLESS SPECIFICALLY STATED OTHERWISE. EQUIVALENT PRODUCTS WHICH ARE USED MUST MEET ALL CURRENT U.S. COAST GUARD SAFETY REGULATIONS AND ABYC-BIA STANDARDS TO AVOID HAZARDS.

ALL PHOTOGRAPHS, ILLUSTRATIONS, AND SPECIFICATIONS USED IN THESE INSTALLATION INSTRUCTIONS MAY NOT NECESSARILY DEPICT ACTUAL MODELS OR EQUIPMENT, BUT ARE INTENDED FOR REFERENCE ONLY BASED ON THE LATEST PRODUCT INFORMATION AVAILABLE AT THE TIME OF PUBLICATION.

4. Install nuts and **torque to 15-17 foot-pounds (20-23 N.m)**. See Figure 4.



#### POST-INSTALLATION TEST



After installation and adjustments are completed, **CHECK FOR POSSIBLE INTERFERENCE BETWEEN STEERING SYSTEM PARTS AND ANY PORTION OF MOTOR, BOAT OR ACCESSORIES.** To do this, turn motor from lock to lock in both the running and full tilt positions. Undetected interference may result in steering system parts being broken or weakened should the motor strike an underwater object and tilt rapidly into the boat.

#### TO THE INSTALLER

Give these Installation Instructions to the future owner. The instructions contain safety warnings

and other information vital to the continued safe use of the product.

#### TO THE NEW OWNER

**Save these installation instructions.** Put them in your owner's/operator's manual. The information and directions which were important to the original installer are just as important to you for the future.

If you remove the motor from the boat, save the special locking type screws and nuts used to fasten the steering system to the motor. **WHEN REATTACHING, USE ONLY THE ORIGINAL FASTENERS AND TIGHTEN CAREFULLY TO THE TORQUE VALUES GIVEN IN THESE INSTRUCTIONS.** If fasteners are lost or in poor condition, see your dealer for new fasteners (see **Safety Warning** below).



If you should raise or lower your motor on the boat's transom, take time and rerun the POST-INSTALLATION TEST. A few minutes spent to make sure the steering system is free of part interference is much better than broken parts and sudden steering control loss later.



#### SAFETY WARNING

**When replacement parts are required, use *Evinrude/Johnson* Genuine Parts or parts with equivalent characteristics, including type, strength and material. Failure to do so may result in product malfunction and possible injury to the operator and/or passengers.**

