



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




## **On/Off Operating Switch Kit P/N 398858**

### **Safety Considerations**

These instructions will alert you to certain things you should do very carefully. If you don't, you could . . .

- hurt yourself or bystanders
- hurt boat operator, passengers
- damage the machinery

Safety symbol, , appears next to information important to prevent you and others from being hurt.

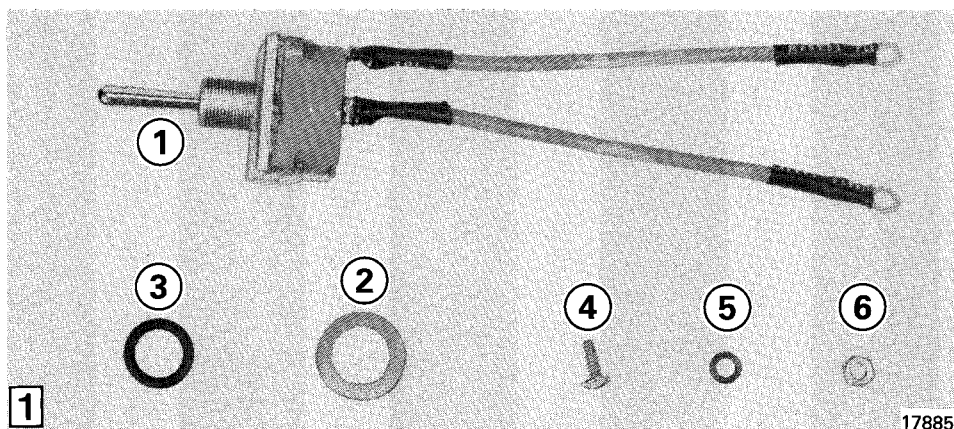
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**IMPORTANT:** The important safeguards and instructions appearing in these directions cannot cover all possible conditions or situations that occur. The person following these directions must use common sense, caution and care.

### **Product Reference & Illustration**

When reference is made to a brand name, product or specific tool, an equivalent product may be used in place of the referred to product. Substitute products used must have equivalent characteristics, including type, strength, and material. Incorrect substitution may result in product malfunction and possible injury to the operator and/or passengers.

All photographs and illustrations used may not necessarily depict actual models or equipment, but are intended only for reference. Specifications used are based on the latest product information available at the time of publication.



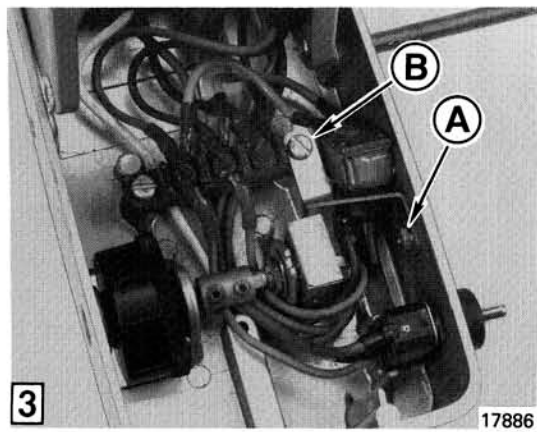
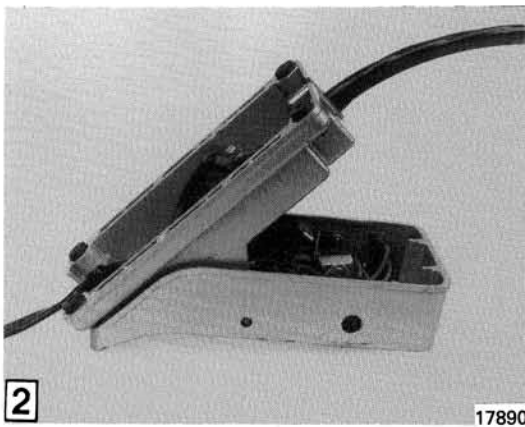
## Preface

This switch kit, as supplied, replaces the operating on/off switch in '77 through '86 model foot control electric trolling motors. To service '74 through '76 models (with *Micro-Switch* type operating on/off switch), A Switch-To-Pedal Bracket P/N 322219, Knurled Nut P/N 324648, and Cover P/N 324609 must be ordered to install this newer style switch.

Read installation instructions completely prior to starting work.


- 1** Check contents of kit to become familiar with new parts to be installed.

Ref.	Name of Part	Qty.
1	Switch Assembly . . . . .	1
2	Plastic Washer . . . . .	1
3	O-ring . . . . .	1
4	Screw . . . . .	1
5	Lock Washer . . . . .	1
6	Nut . . . . .	1



Determine which of the following parts, tools, and supplies you may need to install this kit on your motor:

Common hand tools  
 Black Neoprene Dip P/N 909570  
 Wire Splice  
 Soldering Pencil  
 Shrink Sleeve  
 Switch-To-Pedal Bracket P/N 322219 \*  
 Knurled Nut P/N 324648 \*  
 Cover P/N 324609 \*

 Disconnect battery cables from battery.

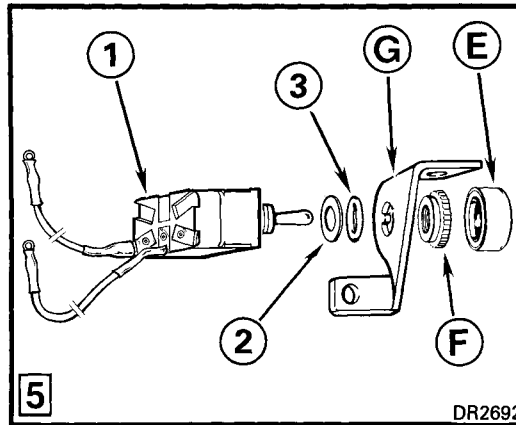
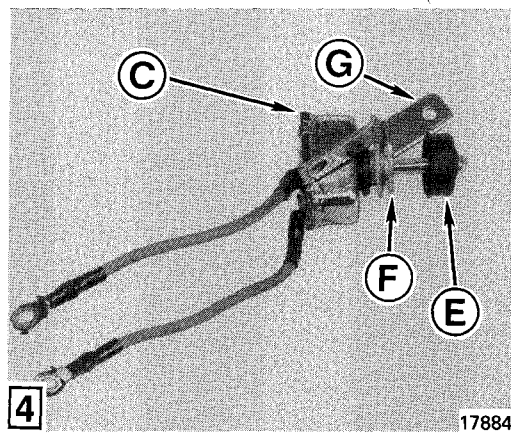
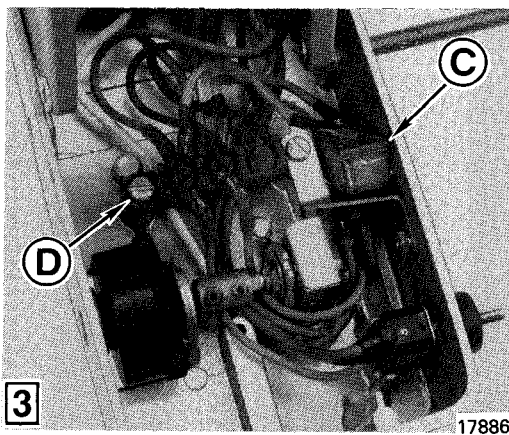
**2** Push heel end of foot pedal all the way down to provide maximum clearance to work on components under foot pedal. There should be enough clearance to complete the procedures. The foot pedal can be removed by pressing the hinge pin out, toward the operating on/off switch (left side) if more space is desired.

**3** Remove screw, lock washer, and nut **A**. Remove screw **B** from terminal board.

\* Pre '77 Models Only



**Safety Related**

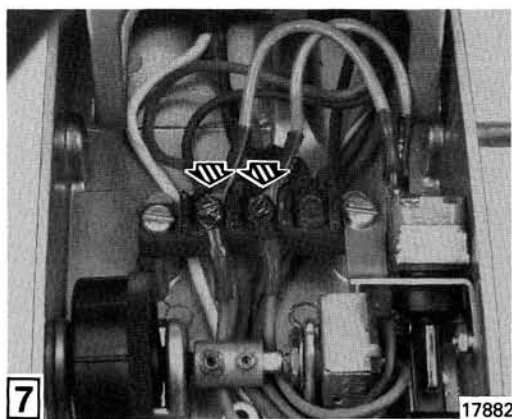
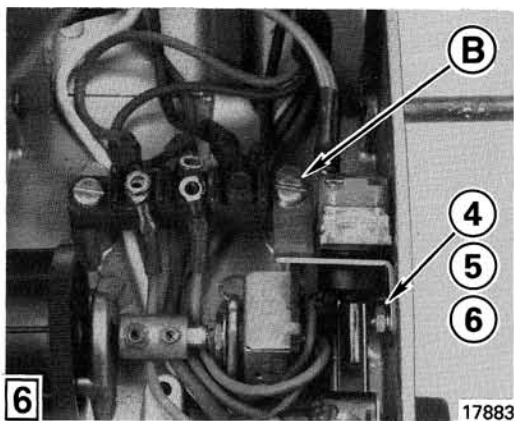


**3** Take note of where the leads from the on/off switch (C) are routed. Note if they go directly to another component or are connected at the terminal board (D). Make a sketch of the original wire routing and connections if necessary. There are many different model motors that can be serviced with this switch. Some have A 12/24 volt selector switch and/or circuit breaker and/or arc suppressor, and some have different wiring arrangements. If the motor you are working on is different than the one shown, remember that the new switch must perform the same function as the original switch. Make the connections as required to accomplish this.

**3** Remove the switch leads from the terminal board (D) (or cut the leads) to remove the original operating switch (C).

**4** Remove and save cover (E) and knurled nut (F) from switch (C). Save bracket (G) and discard switch.

**5** On to the new switch assembly (1) install the plastic washer (2) and then the o-ring (3). Install the switch bracket saved (G), the knurled nut (F), and the cover (E) on the switch as shown.



**6** Install the switch and bracket in the pedal with the terminal board screw **B** saved, and the screw **4**, the lock washer **5**, and nut **6** supplied. Hole in both the bracket and pedal might have to be enlarged to  $1\frac{1}{4}$  in. diameter to accommodate new mounting hardware.

**7** Connect the switch assembly to the other pedal components like the original switch connections. If any new leads have been connected and/or original leads removed and reinstalled on terminal board, coat the screws and terminal ends with Black Neoprene Dip.

Reinstall the foot pedal to the foot control base if it has been removed. Press pivot pin in from operating on/off switch side with knurled end of pin toward the press. Align the knurled grooves on the pivot pin with the grooves in the foot pedal. Be sure the pin and holes on the opposite side of the pedal and foot control base are aligned before pressing pivot pin in place.

Reconnect battery cables to battery and test the function of the switches in the foot control.