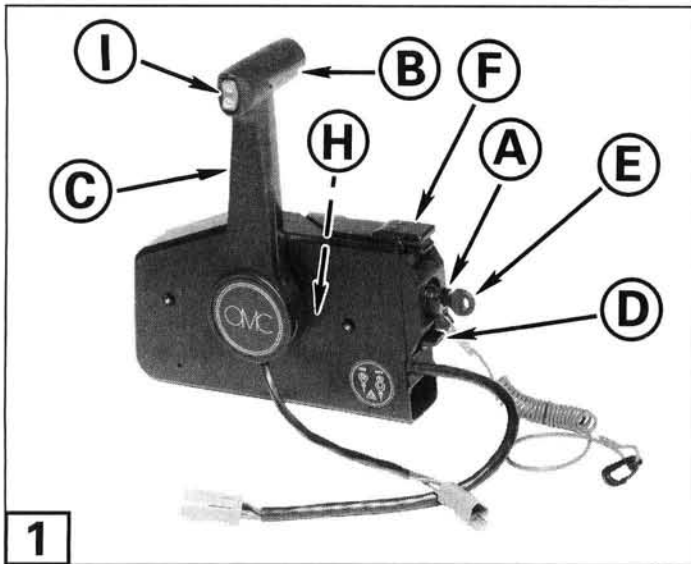




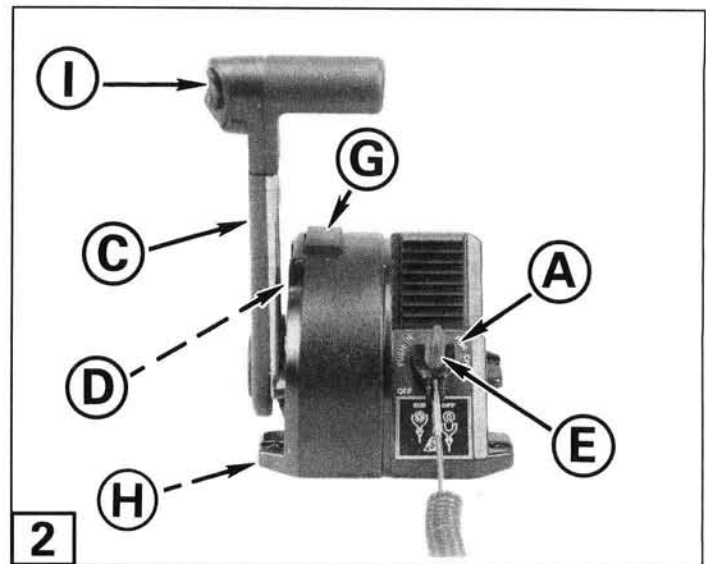
EVINRUDE®

Accessories Service Manual

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Remote Control Introduction

⚠ After servicing remote controls, you must be sure all features are working properly to avoid sudden loss of operator control over engine speed or direction. Test your work before returning the product to the user.

1 Prewired Surface Mount Remote Control

2 Prewired Binnacle Mount Remote Control

A Emergency Stop Switch – stops the engine when the clip and lanyard are removed from it.

To function as a safety feature, the snap end of the clip's lanyard must be firmly attached to the operator. The lanyard must be in good condition and free of obstructions.

B Neutral Lockout Tab – prevents accidental movement of the control handle from NEUTRAL to either gear position.

When preparing to shift into either gear from NEUTRAL, lift the tab and move the control handle to FORWARD or REVERSE gear position. The lockout tab will stay recessed until you return the handle to NEUTRAL position.

C Control Handle – controls the direction and amount of the engine's thrust (shift and throttle).

Moving the control handle forward from NEUTRAL selects FORWARD gear. Moving the control handle aft from NEUTRAL selects REVERSE gear. Continued movement of the handle in the same direction increases engine speed in that gear.

D Throttle Friction Adjustment – regulates the return friction of the control handle.

To adjust, some controls provide an adjustment knob and others provide a slot for a screwdriver. Rotating the adjuster clockwise increases throttle friction, and rotating it counterclockwise decreases throttle friction. The resulting adjustment should be just tight enough to prevent control handle "creep" under normal operating conditions.

Remote Control Tests

⚠ Test ALL functions of the remote control after you service it. An undetected problem in the remote control could cause sudden and unexpected loss of throttle or shift control. Depending on the control's features, simple function tests include:

Trim/tilt switch – Operate the power trim by pushing the switch on the control handle. Verify that the direction of gearcase movement corresponds to the UP and DOWN directives at the switch.

Emergency stop switch – Install the clip on the emergency stop switch and start the engine. Pull the clip from the switch. The engine must stop running.

Key switch – Insert the key and turn it clockwise. It must activate the engine's electric starter. Verify that the switch returns to the ON position when pressure is released.

Neutral start – Place the control handle in NEUTRAL and start the engine, then turn it off. Place the control handle in FORWARD, then REVERSE, and try to start the engine in each gear position. The engine's starter must not respond.

Continuity Symbols

Throughout this section, the following two symbols are used to interpret electrical troubleshooting results:

- 1** Bright bulb indicates **continuity** or very low resistance.
- 2** Dark bulb indicates **no continuity** or very high resistance.

Control Cable Identification

After installing the throttle and shift cables in the remote control, but before connecting them to the engine:

3 1. Put the control handle into NEUTRAL position. The throttle cable casing guide **A** will retract completely and the shift cable casing guide **B** will go to the midpoint of its travel.

3 2. As you move the control handle into FORWARD, the shift cable casing guide **B** must retract and the throttle cable casing guide **A** must begin to extend.

3. As you move the control handle into REVERSE, both casing guides must extend.

4. Label one of the cables at the engine end for correct installation on the engine.

⚠ Control cable identification and function must be correct before completing remote control installation.

