

Battery Switch Operation

- Select the primary battery for normal operation.
- Secondary batteries should only be selected for emergency starting.
- ALL or BOTH switch position is for emergency starting only.

Provide operator with the documentation supplied by the battery switch manufacturer. Make sure that the operator is informed of proper battery switch operation.

NOTICE The negative (-) terminals of a multiple 12-volt battery installation must be connected together.

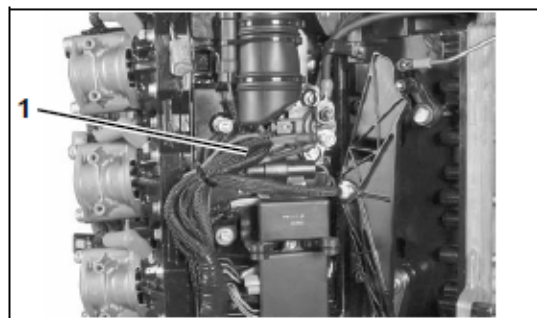
Auxiliary Battery Charging

EVINRUDE E-TEC V4 – V6 MODELS

Evinrude E-TEC V4–V6 outboards are equipped with isolated battery charging capability. The isolated charge connection must only be used to charge a single 12-volt battery or two 12-volt batteries wired in parallel.

NOTICE Never connect an external battery isolator to the stator of an Evinrude E-TEC.

Accessory Charge Lead Kit, P/N 5006253, is routed from a connector on the outboard's electrical harness to the accessory battery.



90° V6 Models
1. Accessory battery charge connector

004125



60° V4–V6 Models
1. Accessory battery charge connector

004944

NOTICE The accessory charging kit must never be connected to any battery of a 24-volt electrical system.

EVINRUDE E-TEC 40 – 90HP MODELS

Evinrude E-TEC 40 – 90 HP outboards do not have a built in isolator feature. Proper methods must be used to connect a second battery.

Battery charging output on 40 – 90 HP models is 25 Amps. Be sure to follow published standards for wire gauge selection. Refer to Battery Cable Requirements on p. 16.

If a battery isolator is desired, a battery switch, such as P/N 506161, and a voltage sensitive relay, such as BEP model 710-125A, can be used to create a battery isolator/combiner.

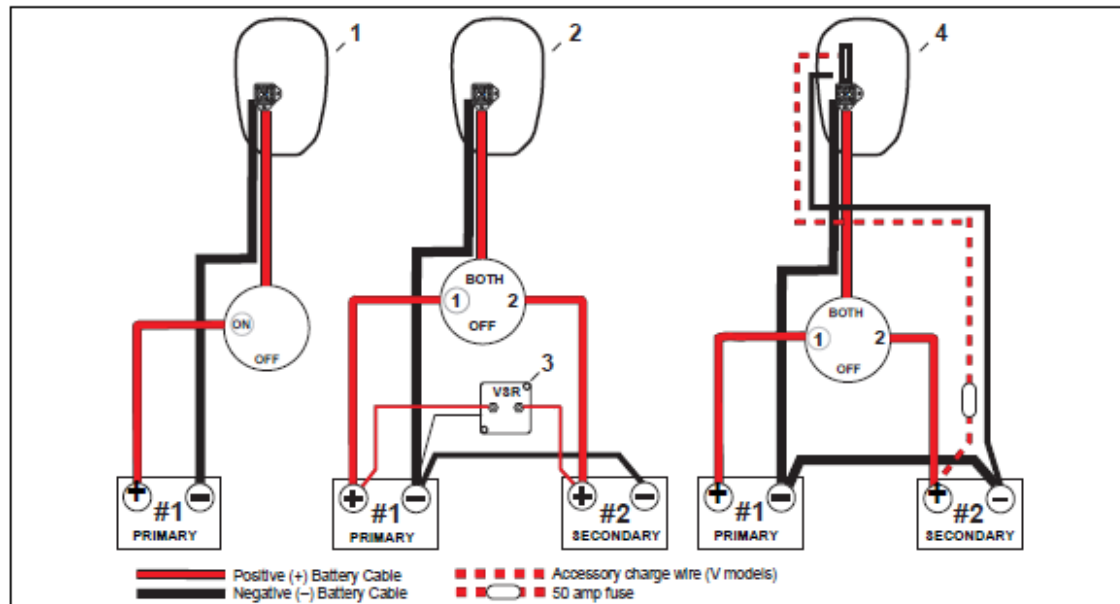
The voltage sensitive relay (VSR) regulates charging of a second battery based on predetermined voltage levels of the primary battery.

NOTICE Never connect an external battery isolator to the stator of an Evinrude E-TEC.

BOAT RIGGING BATTERY INSTALLATION

Battery and Switch Wiring Diagrams

Single outboard



1. Single starting battery with ON/OFF switch
2. Two starting batteries with isolator/combiner (15 – 90 HP models)
3. Voltage sensitive relay
4. Two starting batteries with Auxiliary charging kit (V models)

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