

Cole Facts

IMPORTANT
PRODUCT
INFORMATION

Battery Selector & Master Disconnect Switches

In a dual battery system one battery is used for starting the engine while the other is used to power auxiliary loads. A battery selector switch enables the use of the first battery, the second battery or both batteries simultaneously.

A dual battery system with a battery selector switch:

- Provides back-up starting power in an emergency. One application is to put two batteries together (in parallel) to start the engine in cold weather. If the primary battery is not at full power, then the second battery can be used. This assures the availability of adequate power for starting.
- Enables the user to select either battery for charging.

A battery selector switch also:

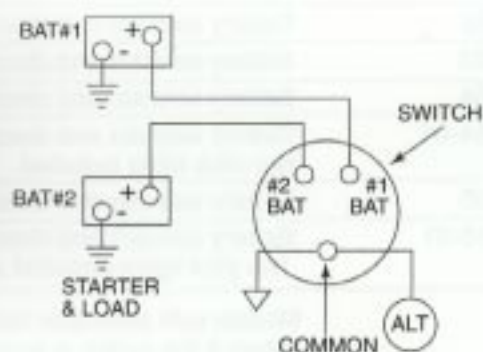
- Provides positive battery disconnect.
- Protects against electrical fire.
- Protects against tampering, theft and battery drain when the vehicle, equipment or boat is unattended.

Note: When using a dual battery charger it is necessary to separate the batteries while the charger is operating. The batteries must be independent of each other for the dual battery charger to operate properly. The selector switch must be turned to the OFF position to avoid damage to the charger.

Typical installation of a Cole Hersee M-750 switch in a system with two batteries, one engine and one alternator.



Back of M-750 switch.



Marine application note:

Boats can be equipped with two engines and two batteries. Either one or two dual battery switches can be wired into the system.

DUAL BATTERY SELECTOR SWITCHES ARE USED ON:

- RVs and Motor homes
- Police and Rescue Vehicles
- Trucks
- Boats
- Emergency Equipment
- Ambulances and Fire Apparatus
- Buses



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CF-103

Cole Hersee Battery Selector & Disconnect Switches

- Permit current to be carried by either of the two batteries, by two batteries simultaneously or cut off all current at the source.
- Ignition protected - conform to U.S. Coast Guard Safety Standard, Section 183.410 for ignition protection.
- Durable, fracture resistant, high temperature engineered plastic case, knob and insulator.
- Can be operated through ON positions with engine(s) running. Engine(s) must be shut down before moving to OFF position.
- Vaporproof, waterproof, dustproof and corrosion resistant.
- Function with alternators or generators.
- May be surface mounted or installed through a panel.



Four Positions:

- OFF
- ON - Battery No. 1
- ON - Both Batteries
- ON - Battery No. 2



UL listed and labeled
Made in U.S.A.

UL Electrical Ratings

- 310 amps continuous
- 500 amps intermittent
- 6-36 volts, D.C.

The electrical ratings on UL labels are conservative. Cole Hersee battery selector switches are capable of handling higher amperages.

Eight Models for Every Application

Part Number	Description
M-750	Battery selector and disconnect switch
M-751	Battery selector and disconnect switch with key lock
M-752	Battery selector and disconnect switch with alternator field disconnect circuit
M-753	Battery selector and disconnect switch with alternator field disconnect circuit and key lock
M-754	Battery selector and disconnect switch with pilot indicator light circuit
M-754-01	Battery selector and disconnect switch with pilot indicator light circuit and two pilot lights included
M-755	Battery selector and disconnect switch with pilot light circuit and key lock
M-755-01	Battery selector and disconnect switch with pilot indicator light circuit and two pilot lights included and key lock

Models with alternator field disconnect circuit prevent possible alternator diode failure if the switch is accidentally turned OFF with the engine (s) running.

FOR MORE INFORMATION ON COLE HERSEE'S FULL LINE OF BATTERY SELECTOR AND DISCONNECT SWITCHES PLEASE CONSULT OUR MASTER CATALOG D-272, SECTION "T" OR OUR MARINE AND HEAVY DUTY CATALOGS UNDER BATTERY SELECTOR AND DISCONNECT SWITCHES.

