

# battery-related products



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## battery-related products

### J1 BATTERY SELECTOR / MASTER DISCONNECT SWITCHES

For any vehicle that needs to use two batteries where one battery is used for starting the engine, while the other is used to power auxiliary loads. This is a common situation in trucks, boats, RVs, police and rescue vehicles, and in ambulances and fire equipment. See wiring diagrams, Section J5.

#### M-750 Basic Switch ★



#### Back of Switch



Model M-754 is shown. The three small terminals in the middle are for connection to the pilot light circuit. M-754-01, M-755 and M-755-01 are similar.

Models M-752 and M-753 have two small terminals in the middle marked F1 and F2 for connection to the Alternator Field Disconnect circuit.

M-750 and M-751 have no small terminals in the middle. Full wiring instructions are included.

#### M-751 With Keys



#### 563 Switch Position Label

Useful when the switch is mounted through a panel. Pressure-sensitive label.

See chart on next page for additional models.

CONTINUED J1

★ Rapid ship item. BP Available in retail clamshell pack. ★ Minimum order quantity may apply.

A selector switch allows use of the first battery, the second battery, or both batteries simultaneously. This provides back-up starting power in an emergency. Either or both batteries can be selected for energizing.

These switches combine the functions of Battery Selector and Master Disconnect Switches to give four battery power options:

- Power cut off at the source.
- Power On, Battery 2.
- Power On, Battery 1.
- Power On, both Batteries.

Battery selector switches provide a positive battery disconnect, which has many advantages:

- It gives a reliable shutdown of power during maintenance.
- The version with the key protects against theft of the vehicle, when unattended.
- It helps protect against electrical fires, when the vehicle is not in use, and minimizes battery drain.



#### Electrical Ratings

Labeled UL 707B. Rating: 500A intermittent, 310A continuous, 6-36V DC

Electrical ratings on UL labels are conservative. Use with either alternators or generators. Make before break design permits operation through the three On positions with the engines running. Engines should always be shut down before turning to Off. Wiring instructions are included.

#### Heavy-Duty Construction

Vaporproof, weather-, dust- and corrosion-resistant. Durable, fracture-resistant high temperature plastic case, knob and insulator. Switches conform to USCG section 183.410 for ignition protection. Resistant to impact, and temperature extremes.

Heavy duty copper stud terminals, with brass hexnuts. Can be surface mounted, or installed through a 3 5/16" diameter hole in the panel (use label No. 563. See Section F4.) Dimensions: Flange: 6" (152.4mm) diameter, overall height 2 5/8" (66.7mm). Terminals: 3 copper studs, 3/8" (9.5mm) diameter.

#### Eight Models For Every Application:

MODEL	Lock	AFD	Pilots	Pilot Circuit
M-750 ★				
M-751	✓			
M-752		✓		
M-753	✓	✓		
M-754				✓
M-754-01			✓	✓
M-755	✓			✓
M-755-01	✓		✓	✓

Lock: With key lock and two keys.

AFD: Alternator field disconnect circuit switch. Prevents possible alternator diode failure if the switch is accidentally turned to Off with the engines running.

Pilots: Supplied with two separate green pilot lights PL-T18-GC001.

Pilot Circuit: With pilot indicator light circuit.

## Largest amp capacity for the dollar of any competitive switch

500A intermittent, 310A continuous, 6-36V DC



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