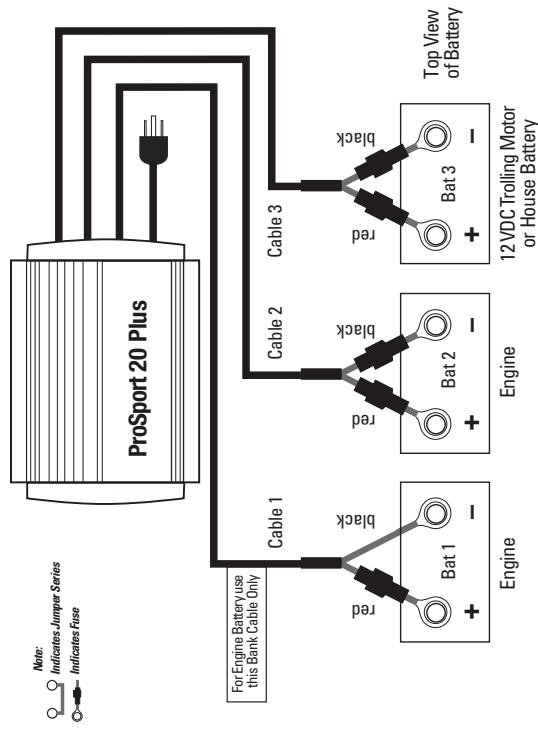


Typical Wiring

Fig. 1 ProSport 15 (OEM only) and 20 Three Bank Charger for 3 12V Batteries Dedicated 12 VDC Trolling/House Bank and 2 Engine Crank Batteries Typical Configuration



Installation

When connecting each jacketed battery charger cable, make sure it is connected to only **one 12 VDC battery** and observe the polarity and color of all connections:

Red Wire = + (Positive) Battery connection

Black Wire = - (Negative) Battery connection

The black wire can never be connected to a terminal with red wires. Only black.

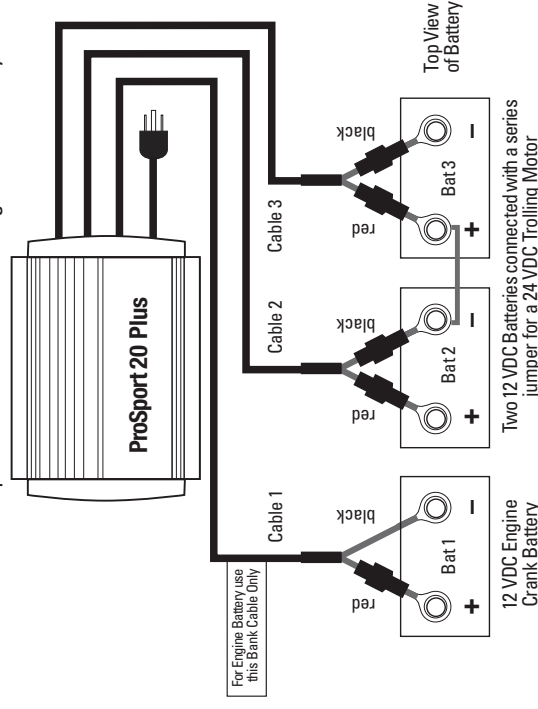
Important: The pair of red and black wires in 1 cable jacket MUST GO TO THE SAME 12VDC battery.

Note 1: One bank cable connects to no more than one battery

Note 2: ProSport is designed to be used with group 24, 27, 30 and 31 batteries

Typical Wiring

Fig. 2 ProSport 15 (OEM only) and 20 Three Bank Charger for 3 12V Batteries 24 VDC Trolling Motor Battery Configuration with (2) 12 VDC Batteries Connected with a Series Jumper Plus Dedicated 12 VDC Engine Start Battery



Installation

When connecting each jacketed battery charger cable, make sure it is connected to only **one 12 VDC battery** and observe the polarity and color of all connections:

Red Wire = + (Positive) Battery connection

Black Wire = - (Negative) Battery connection

The black wire can never be connected to a terminal with red wires. Only black.

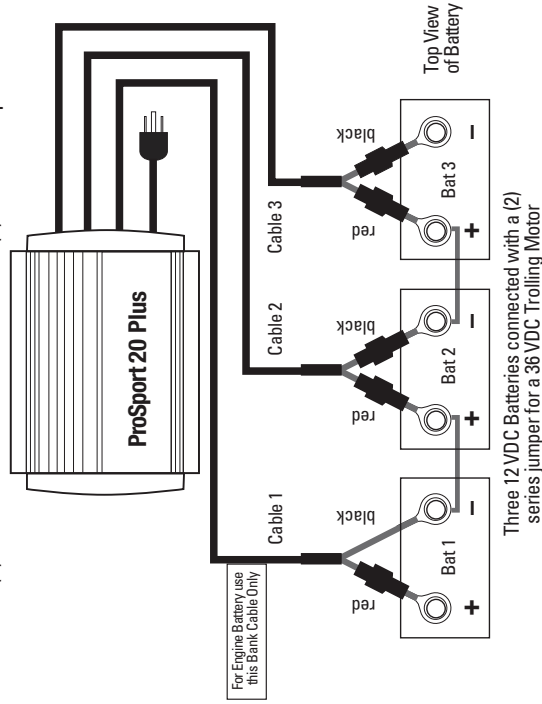
Important: The pair of red and black wires in 1 cable jacket MUST GO TO THE SAME 12VDC battery.

Note 1: One bank cable connects to no more than one battery

Note 2: ProSport is designed to be used with group 24, 27, 30 and 31 batteries

Typical Wiring

Fig. 3 ProSport 15 (OEM only) and 20 Three Bank Charger for 3 12V Batteries
Dedicated 36VDC Trolling Motor Battery Configuration
with (3) 12VDC Batteries Connected with (2) Series Jumpers



Three 12VDC Batteries connected with a (2) series jumper for a 36VDC Trolling Motor

Installation

When connecting each jacketed battery charger cable, make sure it is connected to only **one 12 VDC battery** and observe the polarity and color of all connections:

Red Wire = + (Positive) Battery connection

Black Wire = - (Negative) Battery connection

The black wire can never be connected to a terminal with red wires. Only black.

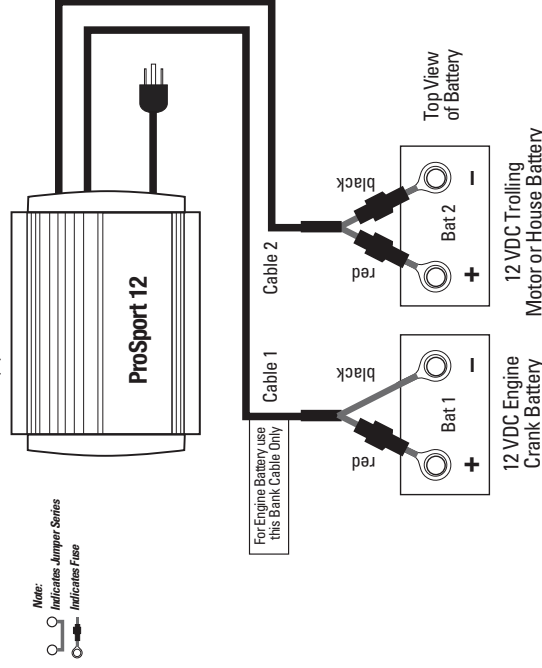
Important: The pair of red and black wires in 1 cable jacket MUST GO TO THE SAME 12VDC battery.

Note 1: One bank cable connects to no more than one battery

Note 2: ProSport is designed to be used with group 24, 27, 30 and 31 batteries

Typical Wiring

Fig. 4 ProSport 20, 12 and 8 Dual Output Charger for 2 12V Batteries
12VDC Engine Start and a 12 Volt Trolling Motor or House Battery Configuration
with (2) 12VDC Batteries



12 VDC Engine Crank Battery
12 VDC Trolling Motor or House Battery

Installation

When connecting each jacketed battery charger cable, make sure it is connected to only **one 12 VDC battery** and observe the polarity and color of all connections:

Red Wire = + (Positive) Battery connection

Black Wire = - (Negative) Battery connection

The black wire can never be connected to a terminal with red wires. Only black.

Important: The pair of red and black wires in 1 cable jacket MUST GO TO THE SAME 12VDC battery.

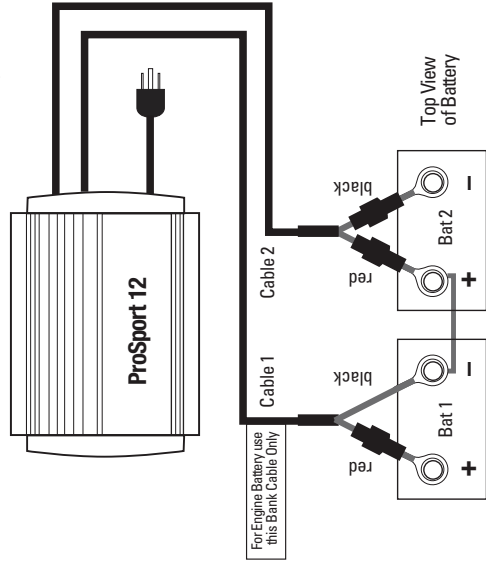
Note 1: One bank cable connects to no more than one battery

Note 2: ProSport is designed to be used with group 24, 27, 30 and 31 batteries

Typical Wiring

Fig. 5 ProSport 20, 12 and 8 Two Bank Charger for 2 12V Batteries

Dedicated 24 VDC Trolling Motor Battery Configuration with (2) 12VDC Batteries Connected with a Series Jumper



Two 12 VDC Batteries connected with a series jumper for a 24 VDC Trolling Motor

Installation

When connecting each jacketed battery charger cable, make sure it is connected to only **one 12 VDC battery** and observe the polarity and color of all connections:

Red Wire = + (Positive) Battery connection

Black Wire = - (Negative) Battery connection

The black wire can never be connected to a terminal with red wires. Only black.

Important: The pair of red and black wires in 1 cable jacket MUST GO TO THE SAME 12VDC battery.

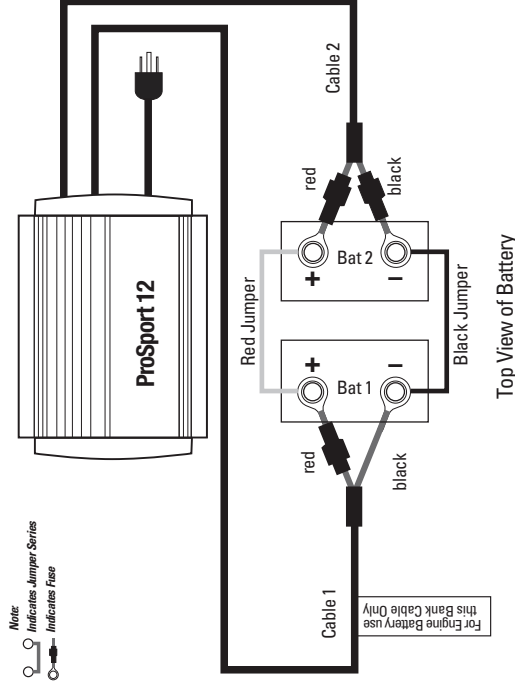
Note 1: One bank cable connects to no more than one battery

Note 2: ProSport is designed to be used with group 24, 27, 30 and 31 batteries

Typical Wiring

Fig. 6 ProSport 20, 12 and 8 Two Bank Charger for 2 12V Batteries in Parallel

Dedicated 12 VDC Parallel Trolling Motor or House Configuration



Top View of Battery

Installation

When connecting each jacketed battery charger cable, make sure it is connected to only **one 12 VDC battery** and observe the polarity and color of all connections:

Red Wire = + (Positive) Battery connection

Black Wire = - (Negative) Battery connection

The black wire can never be connected to a terminal with red wires. Only black.

Important: The pair of red and black wires in 1 cable jacket MUST GO TO THE SAME 12VDC battery.

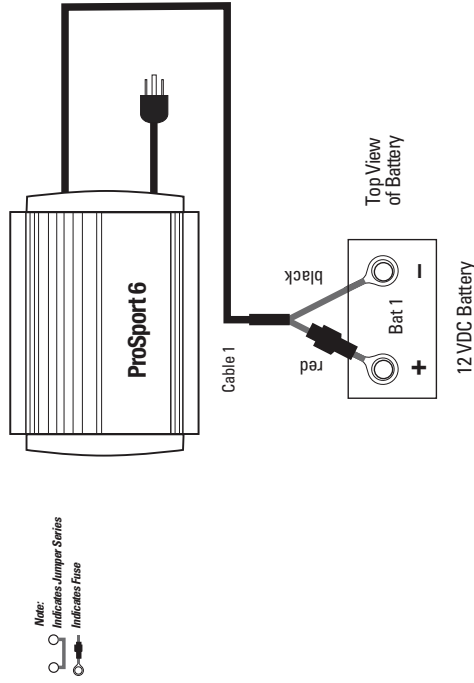
Note 1: One bank cable connects to no more than one battery

Note 2: ProSport is designed to be used with group 24, 27, 30 and 31 batteries

Typical Wiring

Fig. 7 ProSport 6 One Bank Charger for 1 12V Battery

Dedicated 12 VDC Trolling Motor, House or Engine Battery Configuration



Installation

When connecting each jacketed battery charger cable, make sure it is connected to only one 12 VDC battery and observe the polarity and color of all connections:

Red Wire = + (Positive) Battery connection

Black Wire = - (Negative) Battery connection

The black wire can never be connected to a terminal with red wires. Only black.

Important: The pair of red and black wires in 1 cable jacket MUST GO TO THE SAME 12VDC battery.

Note 1: One bank cable connects to no more than one battery

Note 2: ProSport is designed to be used with group 24, 27, 30 and 31 batteries

Charging your Batteries

The ProSport Charger is designed to charge, condition, maintain and recharge your batteries. Please follow these steps each time you use your ProSport charger:

1. Open all battery compartments and ventilate for at least 15 minutes before applying AC power to your charger. While charging your batteries make sure to keep your battery compartment open allowing for free air ventilation.
2. Make sure all DC battery connections are tight and clean. Follow battery manufacturer's recommendations for battery cell caps. (loosen caps if applicable). Once your new ProSport is installed and properly connected to batteries you will be ready to plug it in.
3. Connect a heavy duty UL approved extension cord to the ProSport charger first. After connecting the extension cord to the charger, proceed to plug the extension cord to a nearby 120 VAC GFCI protected (Ground Fault Circuit Interrupt) outlet.
4. Assuming your batteries are discharged, and your ProSport is factory set (black programming cap installed) for standard Flooded (lead-acid) batteries, you should observe ProSport's self test mode (flashing red charge mode LED), blue AC power LED turn on, followed by the red battery type LED turning on (red is the factory setting of standard Flooded (lead-acid)/AGM type batteries) and once the green system check OK LED turns on you will notice a solid red charge mode indicator identifying the charging process has started.

Note: The ProSport has built in self testing to insure all batteries are connected correctly. The self test is automatic and will take place everytime the unit is plugged into a 110 VAC outlet. The self test may take 2 minutes to complete. During the self test the LED will flash indicating it is in self test mode. If everything is connected properly and the batteries are OK the charger's system check OK indicator will illuminate green and the ProSport will then go into its charge mode indicated by a solid red LED. If the charger does not go into the charge mode and a red "fault" LED is illuminated then make sure your batteries have a voltage greater than 2 volts DC present and refer to the trouble shooting section on page 21.

5. The multi-stage charging process is complete when only the green LED for the ready/maintain mode is illuminated and the blue AC power LED remain on indicating that your batteries are fully charged and are being maintained with a precision 13.4 volts DC finishing voltage (Factory set charge profile for standard Flooded (lead-acid / AGM batteries).
6. When you are ready to use your boat, unplug your extension cord at the GFCI outlet first, followed by unplugging the charger.

Optional Battery Bank Status Monitor

See your local dealer or retailer for the ProMariner Remote Battery Bank Status Monitor. The remote monitor is easy to install and connects directly to your boat's batteries. Once installed, simply hold down the "push-to-test" button and observe the charge level indicator for each battery (up to 3 batteries can be monitored).

Note: AC power to the battery charger and the boat's engine must be off when using the Remote Battery Bank Status Monitor.