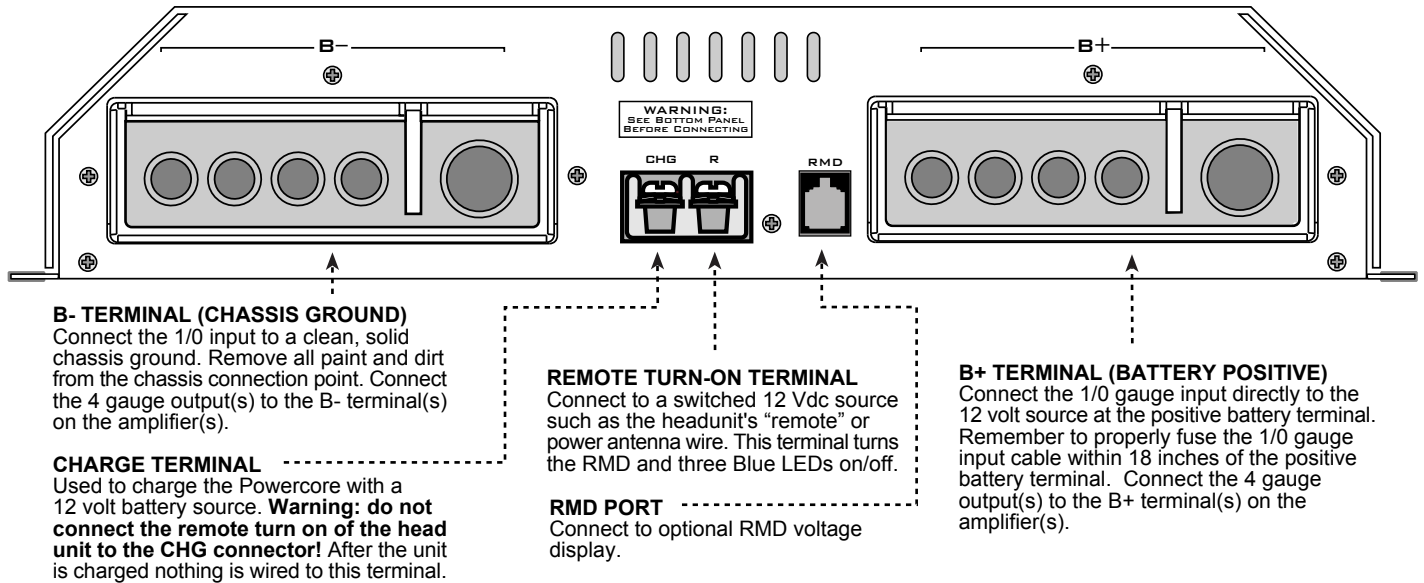


# POWERCORE 20

## 20 Farad Distribution Capacitor



**IMPORTANT: THE POWERCORE MUST BE CHARGED BEFORE ITS INSTALLED**  
Please read instructions below or on the bottom of the unit for proper installation.



## Installation Instructions

### Notes Prior to Installation

- The Powercore must be charged prior to installation. Please read the charging instructions carefully before installing to avoid any unwanted sparks in your life.
- In normal use, the Powercore does not get more than mildly warm to the touch. If high temperatures are found in operation, it is likely wired incorrect and must be corrected immediately.
- When the Powercore is activated, DO NOT TOUCH the power connections with any metallic objects such as screwdrivers and other tools. A short from power and ground may result in arcing and possibly a fire.

### 1. Charging the Powercore:

The Powercore charges just like a normal 1 Farad cap except the external charge resistor that is wired in series with the + lead of the cap is located inside the Powercore. Within the Powercore is a 1 ohm resistor in series with the CHG terminal to slow the installation charge and discharge rate. **Warning: Do not connect the remote turn on lead of the head unit to the CHG connector!**

**Charging:** Connect chassis ground to B- then connect the remote turn-on lead of head unit to R (remote). Connect the positive of the battery to CHG for 1 minute or until 12 volts is reached across the B+ and B- of the Powercore. (NOTE: The cap voltage can be monitored with a RMD, if the remote line is turned on.) Now remove lead from CHG and connect the B+ input. Nothing is wired to the CHG terminal after the Powercore is charged.

**Discharging:** First remove all connections from the Powercore. Next connect a 16 gauge or larger wire between CHG and B- for no less then 2 minutes then remove wire. Discharging is now complete.

### 2. Installing into the Vehicle:

After the Powercore is charged. Select an appropriate mounting location leaving room for large power and ground wires. For best performance, make all wiring runs from the Powercore to the amplifiers as SHORT as possible.

Carefully install the 12 volt source (B+), ground (B-), and remote (R) wires to the appropriate terminals on the Powercore. The 12 volt source (B+) and ground (B-) terminals each have one 1/0 gauge input and four 4 gauge outputs. The Powercore was designed to also serve as a power and ground distribution block.

# PHOENIX GOLD

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