CHARGING THE CAPACITOR

4. Place the supplied charging resistor between posive terminal of the capacitor and the batteries positive terminal. Do this for 2 ~ 3 minutes or until capacitor LED indicators show charge is complete.
   Caution: The charging resistor will get hot!

5. Immediately take out the charging resistor from the connecting wire after the charge process. And connect the positive cable of the battery directly to the positive terminal on the capacitor.

DISCHARGING THE CAPACITOR

When you want to remove your capacitor from your system a discharge process needs to be completed. It will safely release the power from the capacitor. Disconnect all battery power. Remove all power wires from the capacitor. Then run the resistor in between the capacitors positive (+) and negative (-) terminals. Wait for charging resistor to drop out.

WARNING!!!

THIS POWER CAPACITOR MAY EXPLODE AND CAUSE SERIOUS INJURY IF ABUSED OR CONNECTED IMPROPERLY. PLEASE REFER TO THIS INSTRUCTION BOOKLET FOR CORRECT CHARGING, DISCHARGING AND WIRING CONNECTIONS FOR THIS CAPACITOR PRIOR TO INSTALLATION. IF YOU ARE UNSURE OF THE INSTALLATION PROCESS CONSULT A PROFESSIONAL.

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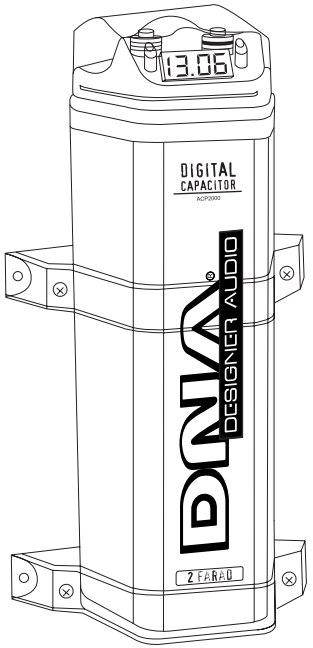
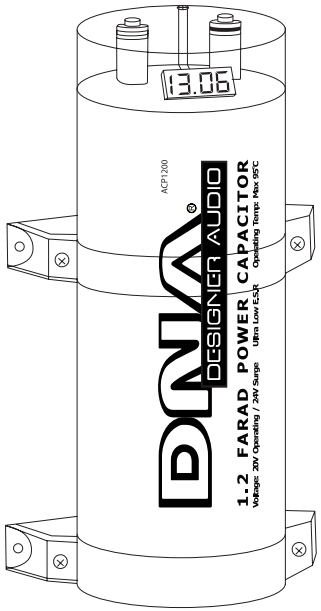
INSTALLATION GUIDE

POWER CAPACITORS



ACP2000
2 Farad Capacitor



ACP1200
1.2 Farad Capacitor

EACH MODEL CONTAINS:

1 x Capacitor
2 x Mounting brackets
4 x Mounting Screws
1 x Charging Resistor
1 x Allen Key

WARNING!!!

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SPECIFICATIONS

Model: ACP1200

Capacitance ..... 1.2 Farad
Working Voltage 11-20VDC
Surge Voltage 24DC
E.S.R. (Equivalent Series Resistance)..... 0.0015 ohm @120hz/ 25 °C
Capacitance Tolerance..... ± 10%

Model: ACP2000

Capacitance ..... 2.0 Farad
Working Voltage 11-20VDC
Surge Voltage 24DC
E.S.R. (Equivalent Series Resistance)------ 0.0015 ohm @120hz/ 25 °C
Capacitance Tolerance---------- ± 10%

DETAILED FEATURES:

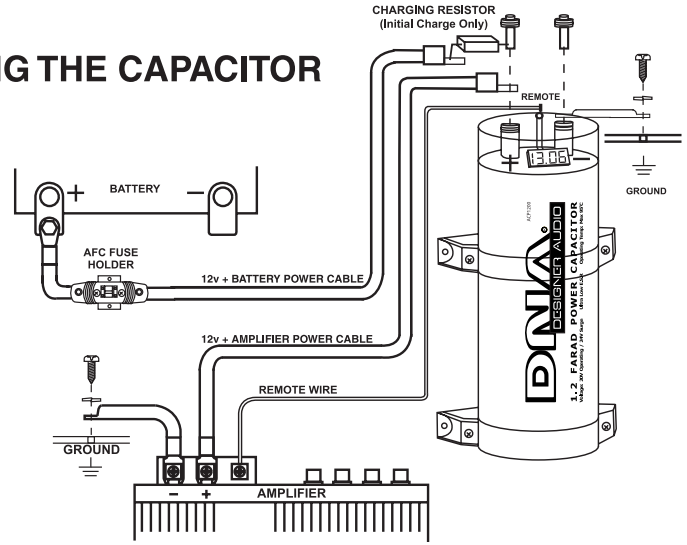
a) 4 Digit high intensity blue LED display with DC voltage meter that can measure in 0.06 DCV increments.
b) Fitted with high intensity blue LED indicators.
c) Reverse pole connecting PCB buzz warning function. If the capacitor is connected incorrectly by reversing the positive and negative wires during the installation process the PCB will issue a 45 second noise to warn you.
d) Platinum plated 100% brass solid terminals.

INSTALLATION & MOUNTING

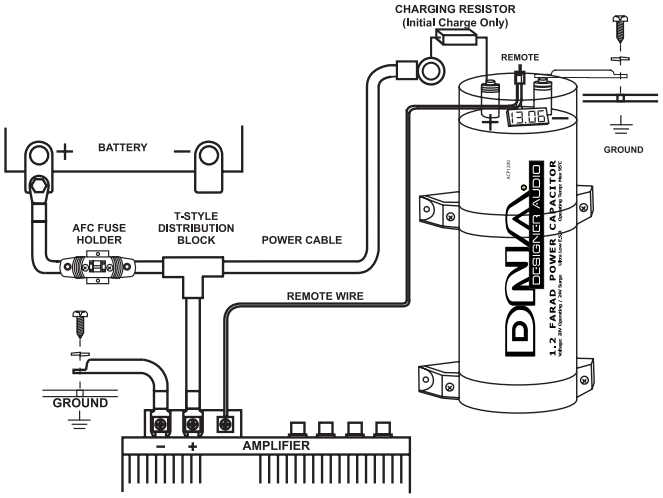
You must first attach the mounting brackets to the capacitor before mounting it. Use the supplied hardware shown in the picture to the right. Locate the capacitor as close as possible to the amplifier. Alowing efficent power delivery.

WIRING THE CAPACITOR

Option 1



Option 2



The capacitor must be charged before connecting the power and ground cables to the capacitor. Failure to charge the capacitor will result in a large spark generated from the rapid inflow of current.

1. Make the capacitor positive terminal connections with amplifier and or the 12v battery supply and tighten the bolt. Do not over-tighten the bolts!
   Caution: Stripped terminals are not covered under the capacitor's warranty.

2. Connect the ground cable with battery, amplifier, then refer to the attached drawing.

3. Connect the remote wire ensuring the head unit or amplifier are on and the remote wire is active. Otherwise your capacitor will not power up.