Jellollie Your nor Audio sustem the Look a

Oviner's Manual

Void functioning, installation and operation of this power capacitor. Ihis manual thoroughly before you start to install this capacitor. ynigini manual or damage to your audio system, please read provides you with detailed information 9 this the 0

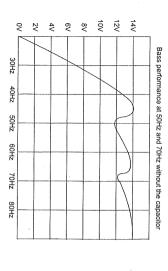


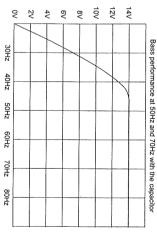
case, This electricity and may explode, cause abused, or improperly connected. power even death if incorrectly or improperly used, mishandled capacitor stores an serious injury, or in the worst extremely large amount of

for making connections, charging and discharging the capacitor. specified, or its terminals shorted directly At no time should the capacitor be exposed to voltages higher than Please refer to the instruction manual for the correct procedures



demands. supplement This power capacitor is an energy storage device. the amplifier's power supply during It is designed to high current



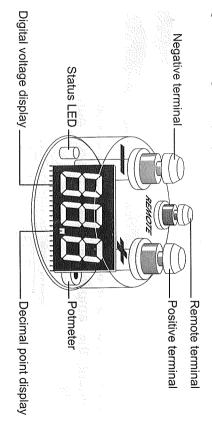


system will be enhanced by using this power capacitor which is an audio installations. battery is not designed to deliver the high current in high power car outstanding addition to your car audio system. In reality the car's An example of such a demand is when the music you are playing a low bass transient. The overall bass response of your audio

interference in the sound system. induced by the It is another feature of this power capacitor to filter car AC amplifier's power supply. This can cause audible voltage

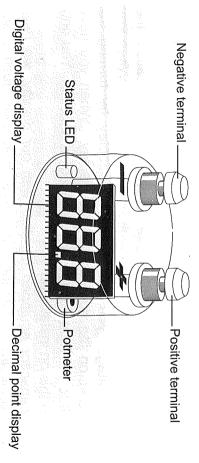


monitoring the status of your car power supply. The 1. Digital Voltage Display with remote control (remote control type) digital voltage display is the most significant feature for



The digital Voltage Display will turn on when the remote reaches 5~10 volt. status of LED will light up when the voltage of the capacitor post is supplied with power by the audio system.

- When the capacitor is fully charged, then you would see the DC voltage of your car electronic system.
- unit, will automatically start operation again turn on the audio system again, your digital display capacitor display capacitor will automatically stop capacitor will If you turn off your audio system, the remote terminal of the such as radio, CD play & DVD play, and your digital no longer receive the power from the operation. If head
- Digital Voltage Display without remote control (automatic type)



- capacitor reaches 5~10 volt. status of LED will light up when the voltage 으 the
- the DC voltage of your car electronic system. When the capacitor is fully charged, then you would see
- delay for a few seconds. capacitor will automatically start or stop operation. If you turn on or off your audio system, your digital display It may
- when the music is calm or smooth for a certain time. chop and change. the display would The display would turn off start operation again when the music is automatically to standby mode
- No remote wire is required



Alarm Function

the user if you accidentally reverse the polarity ("+" reminded for the mistakes of reverse connection. It can cause severe damage to the audio system and be harmful to Therefore, an alarm function is designed so that you would be and

connection is going to be done. However, the connection must be carefully checked before the



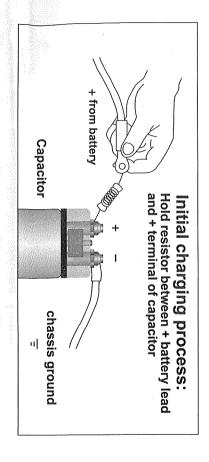
the right voltage. have to do this on installation. adjusted it to the right voltage, the capacitor is finished. You only potentiometer on the right side of the display. When you have know the voltage, you can adjust the display by turning the voltage on the "-" and "+" terminal of the capacitor. When the capacitor is connected, you have to adjust the display to To do this, take a voltmeter and measure When you the

calibration. normally done the calibration during our production, testing and For our capacitor equipped together with our display, we have

bulk capacitor and the display separately. adjustment would be applicable for someone who buys the

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charge for safety and lifetime of the capacitor. case that the digital voltage display is not equipped required to be used to verify if the capacitor is fully charged in the supplied resistor is always recommended to use And a voltmeter is it for initial



safety. charging the capacitor up to a stable 12-14 volt. power cable directly to the capacitor's when the charge reaches about 6 volts. And attach the positive minutes. You may remove the resistor after about 4 minutes or prevent any electrical spark. Full charge would take a few The resistor will get hot and should be held with pliers The resistor will limit the charge current and help to "+" terminal to finish

terminals very careful not to short any cables 윽 the capacitor



the Otherwise, it shall cause the serious injury or even the worst. not touch/handle capactior simultaneously by your , = ' = negative and "+" hand positive at any terminals time. 으

الأفالفائه

amplifier(s). capacitor(s) isolated from the heat sources, such installed location is one that allows for short wiring runs while keeping the For maximum performance, your power capacitor(s) as close to your amplifier(s) as possible. should The ideal as be



Make sure to install the capacitor before charging it work with the vehicle's electronic system Note: Make sure to disconnect battery ground before wiring or

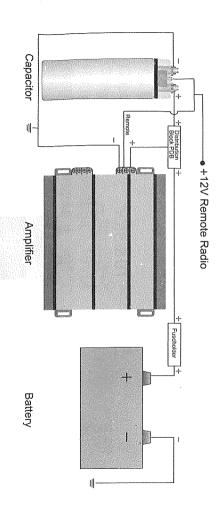
of the vehicle's battery through an appropriate fuse holder or should not be higher than the fuse value of your amplifier(s). no more than 30cm from the car battery. And the fuse value recommend that a high performance distribution block to create circuit breaker to the capacitor's positive terminals. Run a heavy gauge power cable (red) from the positive terminal the amplifier's power input terminals (B or +12V). But make sure that there is a fuse or circuit breaker should be between the distribution block and the capacitor or amplifier positive power wire Run the power cable form the capacitor's positive terminals to slice in the wiring. There should be no fuse in the cables should be kept as short as possible. We

insulation. The positive and negative cables for your capacitor and that place is free from paint, undercoating or any other terminals is placed directly on the bare metal of the chassis, on the chassis of your vehicle. Make sure that this to the same ground terminal you have made for your amplifier short as possible. Connect the ground cable of your capacitor The ground cable (black) for the capacitor should also be kept as ground

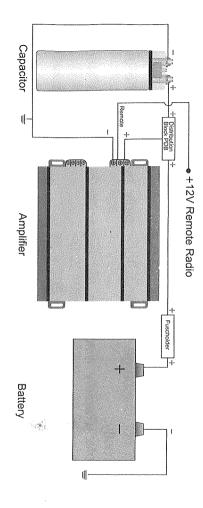


should have the same gauge as the amplifier cables.

For terminal with a remote wire must be done. connection of the capacitor's remote terminal to amplifier's remote the remote control type 으 digital voltage display, the

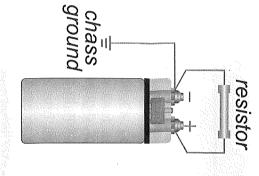


For applicable. connection from the capacitor to amplifier's remote the automatic type of digital voltage display, is no longer the remote



discharging if it is necessary to discharge the capacitor. The current limiting resistor should be used to prevent rapid

connected positive terminals of the capacitor, still leave the negative terminals Use pliers to hold the resistor. Discharging will take several minutes and the resistor will get hot To discharge the capacitor, disconnect the power cable from the Q ground, and bridge the supplied resistor.



directly. Do not discharge the capacitor rapidly by shorting the terminals

damage the capacitor. Note: Rapidly discharge the capacitor is dangerous and could

Specification & design subject to change without notice

0.5 farad

Capacitance: 0.5 Farad

Rated Working Voltage: Surge Voltage: 16VDC 20VDC max

E.S.R.: Working temperature: <95°C

76 x 180 mm <0.00195Ω, at 120Hz 25°C

Overall Dimension:

1.0 farad

Surge Voltage Capacitance 20VDC max 1.0 Farad

Rated Working Voltage:

16VDC

<95°C

Working temperature: E.S.R.:

Overall Dimension:

76 x 260 mm

<0.00195Ω,

at 120Hz 25°C

1.5 farad Capacitance:

Surge Voltage: 16VDC 20VDC max

1.5 Farad

Working temperature: Rated Working Voltage: <95°C

E.S.R.

Overall Dimension:

76 x 260 mm

<0.00195Ω, at 120Hz 25 °C

2.0 farad Capacitance 2.0 Farad 2.0 farad

Surge Voltage: 20VDC max

Working temperature: Rated Working Voltage: <95°C 16VDC

Overall Dimension: 76 x 305 mm <0.00195Ω, at 120Hz 25°C

E.S.R.:

Your capacitor should include:

1 x digital display power capacitor, 2 x mounting brackets, 1 x owner's manual, 1 x charging/discharging resistor.