

TROUBLESHOOTING

Before removing your amplifier, refer to the list below and follow the suggested procedures. Always test the speakers and their wires first.

AMPLIFIER WILL NOT POWER UP.

- Check for good ground connection.
- Check that remote DC terminal has at least 10 V DC.
- Check that there is battery power on the + terminal.
- Check all FUSES.
- Check that Protection LED is not lit. If it is lit, shut off amplifier briefly and then repower it.

HIGH HISS OR ENGINE NOISE (ALTERNATOR WHINE) IN SPEAKERS.

Disconnect all RCA inputs to the amplifier, if hiss/ noise disappears, then plug in the component driving the amplifier and unplug its inputs. If hiss/ noise disappears, go on until the faulty/ noisy component is found. It is best to set the amplifier input level as insensitive as possible. The best subjective S/N ratio is obtainable this way. Try to drive as high a signal level from the head unit as possible.

AMPLIFIER'S GETS VERY HOT.

- Check that the minimum speaker impedance for that model is correct.
- Check for speaker shorts.
- Check that there is good airflow around the amplifier. In some applications, an external cooling fan may be required.

DISTORTED SOUND.

- Check that the Level control's is set to match the signal level of the head unit.
- Check that all crossover frequencies have been properly set.
- Check for shorts on the speaker leads.

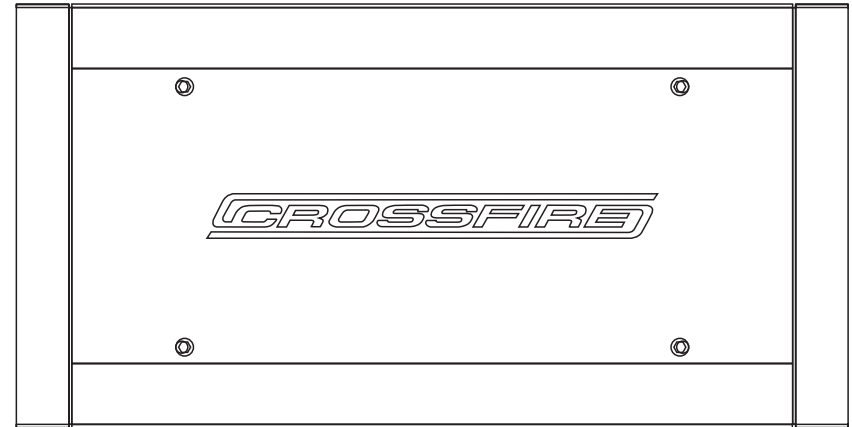
HIGH SQUEAL NOISE FROM SPEAKERS.

This is always caused by a poorly grounded RCA patch cord.

WARNING!

1. Over high volume will damage your speakers.
2. Be cautious when you use the amplifier near gasoline tank and electric wires.
3. Protect the connecting wires and parts to avoid any damage or short circuit.
4. The power must connect to the anode of the battery via fuse.
5. The sound system must be in turning-off situation when you check the amplifier.
6. Be sure that you use the same type of FUSE when you need to replace it.

* We reserve the right to make needed change or improvement to the product, without informing customer about this in advance.



C3 501

INSTALLATION MANUAL

www.crossfirecaraudio.com



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ELECTRICAL CONNECTION

+12V

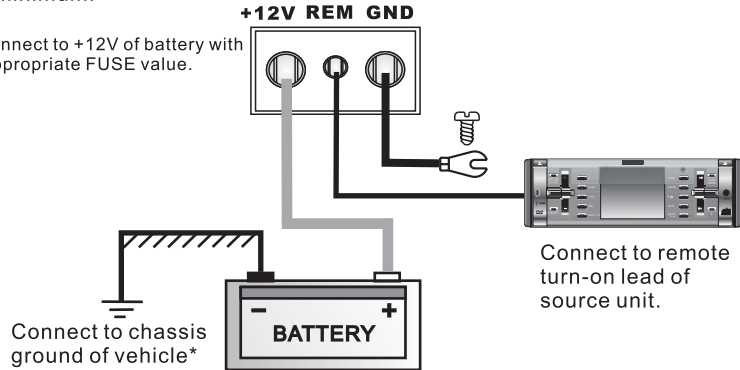
Anode of power connection terminals. Connect to the anode of car battery.

REM

Terminal to be connected with Remote cable, which comes from the source and which controls the amplifier switching on. Applied voltage must be between 10 and 15 VDC.

GND

Ground terminal. Connect to the car chassis.. Keep the length of the ground cable to a minimum.



SPECIFICATIONS

Model	C3 501
RMS Power@13.8VDC	
Power@4 ohms	200W x 1
Power@2 ohms	340W x 1
Power@1 ohms	500W x 1
Minimum Speaker Impedance	1 ohm
THD Distortion	0.1%
IMD Distortion	0.1%
Input Sensitivity	0.1V ~ +2V
Input Impedance	20K
Signal-to-Noise Ratio	85dB
Remote gain Control	0.1V~ +2V
Crossover Network	
Low Pass Filter	40Hz~180Hz
Bass Boost	0dB ~ +9dB
Size LxWxH	10x4.82x1.78

SYSTEM WIRING 1 CHANNEL CONFIGURATION

