

CADENCE AMPS – TROUBLESHOOTING

AMPLIFIER IS NOT POWERING ON

1. Check the remote turn on wire and power wires voltage.
2. Check continuity on ground wire.
3. Remote wire needs at least 5 volts to trigger the amp.
4. Power wire should be at around 12 volts with the car off, 14.4 volts with the car on.
5. If these are all correct, check the fuses on the amp and the in-line fuse. Check to see if they are blown. You can also check them with a volt meter, each side should read 12 volts.
6. If all of these have been followed and there is still no power, the amp is defective, only if unit has not yet been installed.

PROTECT LIGHT IS TURNING ON

1. Follow the steps above regarding a loss of power. If the protection light is on, unplug your speaker wires. If the light turns off, check your speakers and subwoofers for defects. Check to make sure the speakers or subwoofers are not blown, and check to make sure they are not grounding out. Sometimes when mounting a speaker, one of your wires will become loose and may touch metal causing the speaker to short out.
2. If these have been followed and the light is still on, the problem could be with the RCA cables or source unit. The RCA's are most likely pinched, grounded or burnt. To trouble shoot your RCA cables grab an extra pair and connect them from your source to the amp. If the light goes away, the problem is with your cables.

PROTECT LIGHT ON

1. If the protection light is on, unplug your speaker wires. If the light turns off, check your speakers and subwoofers for defects. Check to make sure the speakers or subwoofers are not blown, and check to make sure they are not grounding out.
2. If these have been followed and the light is still on, the problem could be with the RCA cables or source unit. To trouble shoot your RCA cables grab an extra pair and connect them from your source to the amp. If the light goes away, the problem is with your cables.

NO OUTPUT

1. Check to make sure the amp is turning on.
2. If the amp is turned on but still has no output, check your source unit.
3. To trouble shoot your source, grab an extra pair of RCAs, connect them from your source to the amp.

4. If your amp has output, you may have a bad RCA or a bad channel on your source.
5. If you still have no output, try using an external speaker, one that is not installed in your car.
6. If you have output from the external speaker, then the problem is with your speakers.
7. Make sure that the amp's setting and crossovers are tuned properly. For example: make sure that the low-pass filter and the subsonic filter do not conflict with each other, otherwise they will cancel out all audio signals coming from the source.

DISTORTION, SOUND ISSUES

1. First check to see how your wires are ran. If your RCA cables and speaker wire are ran alongside your power and ground cables they will pick up feedback and distortion.
2. If this isn't the case, unplug the speaker wire and see if the noise goes away. If you are still hearing a noise, check your ground and make sure you have good continuity.
3. If after following these steps your problem is fixed until you plug everything back in, you're going to want to check your source. If your source is picking up distortion and sending it to the amp, the amp will make the distortion worse.
4. if you still have the distortion this could be a result of poor installation

AMP OVERHEATING

1. Is your amp in a place where it has good air flow? This is a major cause of overheating.
2. Check your wiring. If that is not the cause, then while the system is playing check your voltage at the amplifier. If the voltage is dipping below 12 volts your amplifier is being starved for power causing it to work much harder.
3. Check your ground with a volt meter. Do you have a clean connection and great contact with the grounding site?