Re: Car stereo output stage blown

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- *From*: JR North <junkjasonrnorth@xxxxxxxxxxx>
- *Date*: Sat, 26 Apr 2008 06:58:35 −0700

I'm no car stereo expert, but−
Common failures in car stereos (besides shorted outputs) are vibration induced opens in solder joints, particularly through boards connected at 90° . These are easy to find with simple tools. Thats what I was doing initially, hoping for a quicky. This isn't the sort of radio one invests too much time in.
JR

On Sat, 26 Apr 2008 08:55:53 GMT, "dBc" <not_necessary@xxxxxxxxxx> wrote:

> Greetings..
>
> Just a crazy question but, WHY were you in there with a "logic probe" in the first place?
>
> Granted, after repairing HF, VHF and UHF radios for years in the amateur service I realize the computerization of radios these days, but I'm just curious.
>
> Do you have electrical schematics for this unit? Ultimately a service manual for this type of situation?
>
> No?
>
> Simple solution, IF you want to pay for correcting the issue − back to the certified manufacturer repair depot. Otherwise, scrap or shotgun guesswork (and associated expense) without schematics, voltage levels, waveform diagrams and alignment procedures.
>
> Cheers,
> Mr. Mentor
>
> "Meat Plow" <meat@xxxxxxxxxxxxxx> wrote in message news:1qrd4q.p9q.19.1@xxxxxxxxxxxxxxx

| On Fri, 25 Apr 2008 15:32:05 −0700, JR North wrote:
|
| > Pyle PLRG23
| > I had the unit out, on the bench, troubleshooting no FM lock. AM was
| > fine. I had power/ground connected to the plug, which also carries the
| > speaker circuits. These are female connectors.The radio was on, at min
| > volume. I did not have speakers connected. During initial testing with a
| > logic probe in the tuner section, the radio shut off. I found high
| > current draw in the power supply, and turned it off immediately. On
| > checking, the radio would not power up, and drew 10A from the supply. I
| > determined the monolithic stereo output chip (TDA−burn) was dead short
| > to ground. The heatsink was quite hot.
| > Q:
| > Could the chip fry from no load connected? I'm certain I didn't short it
| > at the plug, and wasn't even in the output stage with my tests.
| > JR
|
| Getting my start in mobile audio some seeming centuries ago, I would say
| yes it is possible. I was taught to always load the outputs regardless.
| I feel for you. I've spent many hours righting accidental wrongs and
| wrongs that in your case appeared secondary to the cause for repair and
| weren't justified as billable.

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