Re: Yamaha cd player spindle problem??

Source: http://sci.tech−archive.net/Archive/sci.electronics.repair/2007−03/msg00431.html

- *From*: TJB <2lazyToGet@one>
- *Date*: Thu, 08 Mar 2007 08:46:18 −0000

"Mark D. Zacharias" <spammenot@xxxxxxxxxxxx> wrote in
news:3BxHh.5755$P47.742@xxxxxxxxxxxxxxxxxxxxxxxxxx:

> TJB wrote:
>
> > "Mark D. Zacharias" <spammenot@xxxxxxxxxxxx> wrote in
> > news:IQcHh.5628$P47.5038@xxxxxxxxxxxxxxxxxxxxxxxxxx:
> >
> > > TJB wrote:
> > >
> > > > "N Cook" <diverse8@xxxxxxxxx> wrote in
> > > > news:esjet1dgr1@xxxxxxxxxxxxxxx:
> > > >
> > > > > TJB <2lazyToGet@one>
> > > > > wrote in message
> > > > > news:Xns98EBC7D89C9A9IDWhatID@xxxxxxxxxxxxxxxxx
> > > > >
> > > > > > Need some help please, please, on a Yamaha CD Player model cdc−60.
> > > > > >
> > > > > > Just replaced the laser unit and it detects the CD and the spindle motor starts up ok. Hit the play button and

the unit
plays okay
for about 15
minutes
then starts
to slow
down, speed
generally
wanders
around and
eventually
stops and
indicates
there
is no CD
present.

Is this likely
to be a
motor
problem? If
not any
hints? This
unit
is not the
best to try
and work on
as you can't
get to
anything
while the it
is playing

Thanks for
any help
TJB

Try electrically
disconnecting the motor (cut
trace maybe) and
running it, the motor in
isolation, from a bench
power supply to
see if its a bearing problem.
Only low voltage, 1 to
2volts at most usually

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Diverse Devices,

Southampton, England
electronic hints and repair
briefs , schematics/manuals
list on
http://home.graffiti.net/diverse:graffiti.net/

I did try running the motor from a low
voltage and it ran okay but
maybe I should let it run for 30min or so and
see what happens???

TJB

They had problems with shorted brushes on those motors...

Mark Z.

Is the problem I described above a symptom of shorted brushes. I originally though it may be an overheating problem. Are there any other faults which could manifest themselves as described?

Is it possible to clean/repair these motors or do you simply just go and buy another one?

Thanks for the help so far
TJB

The motor can be checked with an ohmmeter at a low ohms range setting, while SLOWLY rotating the motor. It should normally read 10 to 12 ohms or so. The reading will vary while turning, but should not be short−circuit or open at any one spot in it's rotation.

It is often possible to clear the short using an aerosol cleaner / lubricant with a pinpoint applicator, sprayed through the slits at the bottom, aimed at the brushes, while rotating manually, alternating with blowing it out with a compressor. It's usually necessary to repeat several times before the short clears. Blow out the excess cleaner with the compressor. You really need to understand the construction of small motors so you can "aim" the cleaner at the brushes.

Mark Z.

Thanks, I will try the motor rotation test and see what happens.
Any thing else worth checking??

Thanks
TJB
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