

Re: Yamaha R3 losing stored channels

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From: Rob Haughey (*peng001_at_hotmail.com*)

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I've now replaced the backup capacitor (super cap) and the unit is working a treat.
Thanks for your advice Mark,
Rob

"Mark D. Zacharias" wrote:

> *The backup capacitor is bad. It looks like a "button" and is near the main
> micro IC on the main board, if memory serves. Yamaha still stocks a
> replacement.*
>
> *This model takes rather more effort to get into than many receivers. The
> average DIY type or non-tech would likely have a problem with this one.*
>
> *Mark Z.*
>
> --
> *Please reply only to Group. I regret this is necessary. Viruses and spam
> have rendered my regular e-mail address useless.*
>
> *"Rob" <peng001@hotmail.com> wrote in message
> news:40D0E48F.1E1468C6@hotmail.com...*
> > *My Yamaha R3 receiver loses it's stored AM/FM channels when power switch
> is off for
> more than a few minutes.
> > The power switch directly switches all mains power in the unit, i.e.,
> there is no
> standby supply to any circuits.
> > I cannot see any internal battery.
> > I therefore think the problem is a faulty memory device LC7030 or a faulty
> > capacitor.*
> >
> > *Do they use caps (electro) for memory retention?*
> >
> > *The user manual states that the Receiver may lose it's stored channels
> when
> > *unplugged* for a long time. As far as I can tell being switched off is
> equivalent
> > to being unplugged.*

sci.electronics.repair: Re: Yamaha R3 losing stored channels

> >

> > *I would like to understand the circuit around this LC7030 device which*

> *appears to be*

> > *where the channels get stored. Does anyone have a R3 circuit diagram or*

> *datasheet*

> > *for Sanyo LC7030.*

> >

> > *Thanks for any advice.*

> >