Chrome Exchange
Your Warrior Parts

Replacing or Modding the Flasher (with pictures)

Last post Mon, May 14 2007 6:11 AM by mdfdwarrior. 9 replies.

Sun, May 13 2007 12:31 AM

Arizona Warrior

Joined on Thu, Jan 27 2005
Gresham OR USA
Posts 9,275

GOLD SUPPORTER

Replacing or Modding the Flasher (with pictures)

[🤪]

I've been dutifully working on the problem of fast-flashing turn signals after replacing incandescent's with LED's. I promised to document how to remove the pesky turn signal relay next time I'm in there, so the purpose of this post is just to illustrate how to get to the flasher. This post is NOT meant to discuss the current quest for electronic timers to control flash rate independent of load (see separate topic).

Getting to the Flasher Relay:
First, remove the seat and any under-seat dust cover, and then the tool bag from under its rubber band. Remove the ECU from its rubber band and connect that rubber band to the same clip holding the tool bag rubber band (to keep them out of the way). Set the ECU and any power commander (etc) gently aside.

Insert Image:

Seat & Dust Cover Removed - (View from Right Side)

39.79 KB

Lift up the mass of wires on top of the battery and push them gently aside to remove the plastic tray, then remove the battery (negative post first of course). Remember to be careful not to misplace or drop the rectangular metal slug-battery-nuts from under the battery posts. Also there is a nylon sling around the battery to make it easier to lift out, but that sling is NOT attached to the battery so remember to keep a hand on the battery too! Set the battery/sling and screws/nut-slugs aside.

Now stand on the right side of the bike next to the relays and fuse box in the battery box. With your left hand gently lift UP on the top relay on the far left side (the relay toward the back of the bike).

Remove This To See Push Pins:

Remove This Relay to Access Push Pins

26.19 KB

Remove This To See Push Pins:

24.09 KB

The plug-and-relay pack will pull UP and come loose easily. With that relay out of the way you will be able to see the two black round plastic push pins (see pics below). With a small screw driver gently push the button in the center of these two push pins until the button clicks in. Then gently pry it out with a thin screwdriver blade. Be gentle you want to re-use these.

Now the relay rack is loose and can be gently lifted up. Be careful not to pull any wires too hard.

See the pics below for the flasher relay and other details.

Insert Image:

37.31 KB

Insert Image:

23.45 KB

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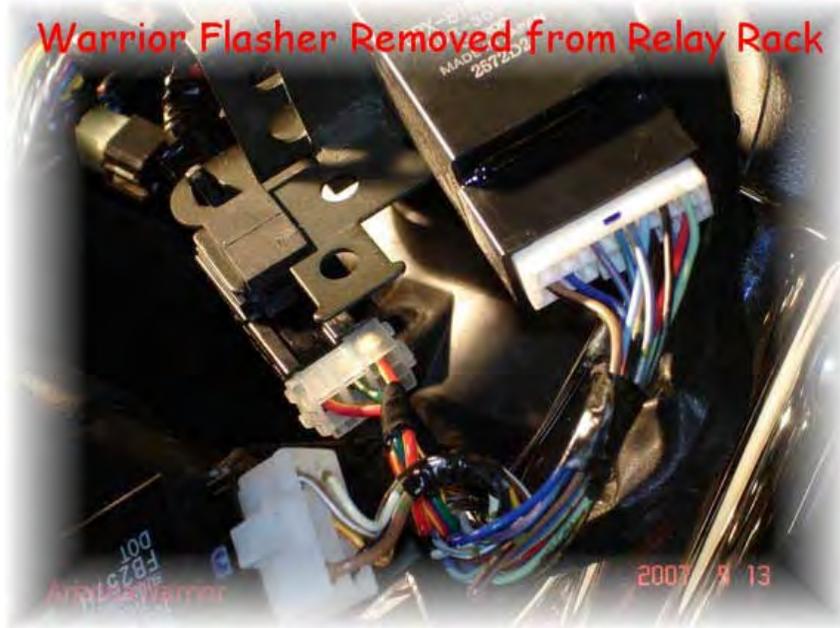
37.76 KB

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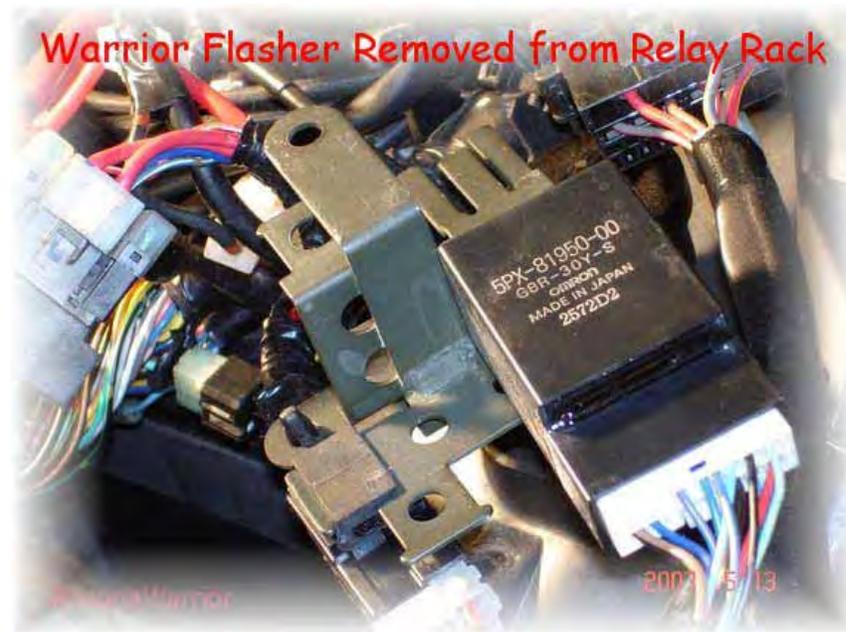
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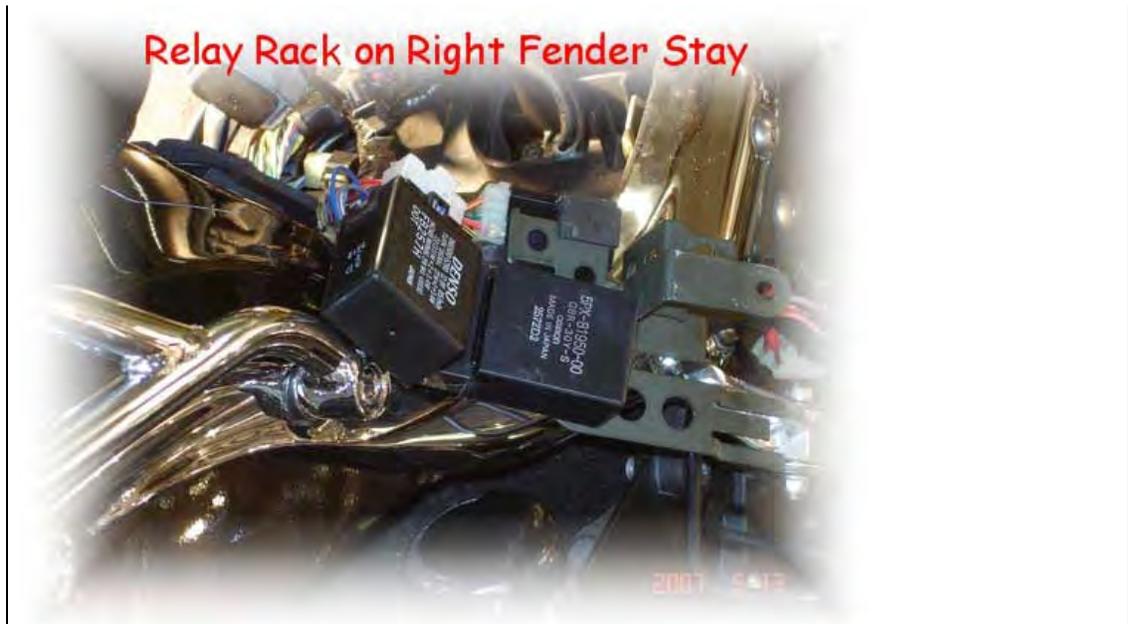
Relay Rack on Right Fender Stay

36.85 KB

Insert Image:

Warrior Flasher Relay Plug (unplugged)

25.17 KB

Insert Image:

Warrior Flasher Relay Plug (unplugged)

2007 5 13

20.42 KB

Insert Image:

Plastic Push Pin Removed (to remove gently push center "in" until clicks then pry out of hole with small screwdriver blade)
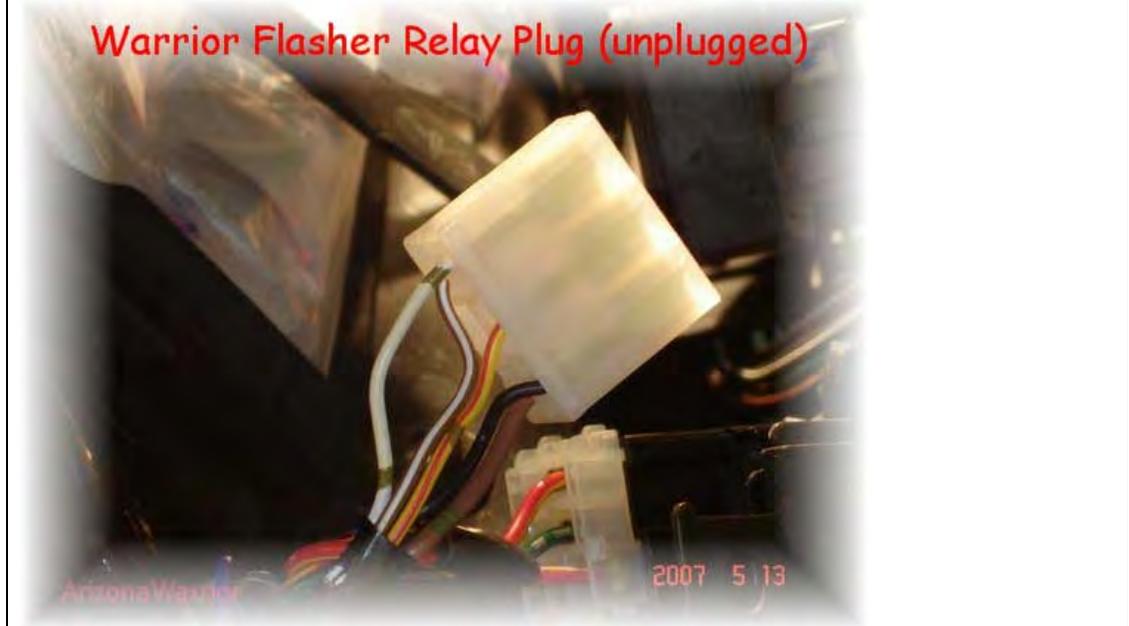
23.19 KB

Insert Image:

Plastic Push Pin Ready for Re-Install in Hole

21.15 KB

Hope this helps. It takes about 30 minutes to disassemble the first time, but later it'll only take 10-15 minutes to do since you'll know what's what.

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Sun, May 13 2007 6:29 AM   **In reply to**

Ken (A.K.A. Big Shasta)

Joined on Sat, Jul 17 2004
Panama City Beach FL
USA
Posts 5,458

Re: Replacing or Modding the Flasher (with pictures)

Why does it look like you have a bag of "columbian dynamite" or "Alcupulco Bam-Bam" or "Paris Hilton's snack" under your seat (If you get my drift?)

Seems like a strange place to keep it.

Rides:
2003 Suzuki Volusia 800 (too small, sold)
2005 Yamaha Road Star Warrior 1700 (Awesome - medical reason forced sale
*(Unfortunate, Unscheduled, Car Induced, Violent Bicycle Dismount)**clicky details**)*
2006 Suzuki VStrom 1000 (GREAT deal forced trade)
2007 Yamaha FJR AE 1300 (FJR: Freakin Japanese Rocket)

If talking politics is out, how am I going to find out who the Idiots are?

So many beers.....so little human blood volume.

Just because you aren't paranoid doesn't mean they're not out to get you.

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Sun, May 13 2007 6:48 AM

Chris

Joined on Sun, Apr 8 2007
Hastings, MN
Posts 413

Re: Replacing or Modding the Flasher (with pictures)

I think that's his manual.

The 3 best resources on this site:

1. The search function.
2. Moderators - giving you a link to the search funtion.
3. Members who like to help out newbies.

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Sun, May 13 2007 6:51 AM

vector18

Joined on Tue, Jul 22 2003
Queens NY USA
Posts 10,233

Re: Replacing or Modding the Flasher (with pictures)

Those are the best looking instructions I have ever seen on this site so far!

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Sun, May 13 2007 7:07 AM

gman

Joined on Mon, Oct 9 2006
Kalispell MT
Posts 4,384

Re: Replacing or Modding the Flasher (with pictures)

Thanks for yur documentation. Clear instructions on removal, but once the relays are removed what do you replace them with?
Oops, I asked the question before I read your second post.
I for one would like to implement a solution and appreciate your efforts. Your documentation is the quality of Redhorse's. Thanks again.

GOLD SUPPORTER

I used to care more!!

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Sun, May 13 2007 7:25 AM   **In reply to**

Arizona Warrior

Joined on Thu, Jan 27 2005
Gresham OR USA
Posts 9,275

GOLD SUPPORTER
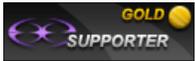
Re: Replacing or Modding the Flasher (with pictures)

[😊] Thanks Gregg.

[^] Gman, so far the Denso is the only part but [search] for "relay" there's other people saying other things but no documentation. As of last night I'm no longer working on an alternative relay but I am still working on flash rate correction by other means (see other posts).

[:l] Nah Ken, I have the Mustang Vintage seat and the tools go under the seat so there's a hint of spare space for flat things like registration and insurance papers and a few special allen wrenches.

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ARIZONA   WARRIOR

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Sun, May 13 2007 9:34 AM   **In reply to**

RaySDF250

Joined on Sun, Sep 18 2005
Fremont CA USA
Posts 5,809

Re: Replacing or Modding the Flasher (with pictures)

Mike, why did you give up on an alternative relay?

"McLovin... sounds like a sexy hamburger. 😊

120mph club

240 CLUB

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Sun, May 13 2007 10:31 AM   **In reply to**

Arizona Warrior

Joined on Thu, Jan 27 2005
Gresham OR USA

Re: Replacing or Modding the Flasher (with pictures)

Hi Ray,

Funny you should ask Bro! I'm moving forward to electronic relays that attach to the Denso relay and modify its output. I would like to avoid LEQ's and dummy bulbs if I can simply due to heat in an enclosed area being not ideal circumstance.

The thing is, the Denso is a five-wire relay - not 2 wire as had been posted someplace on another forum. This relay actually receives a signal from the speed sensor ~~sends a signal to the ECU~~ to compare time against forward motion and determine when to auto-cancel the signals if the rider does not manually turn them off. This is a huge safety

Posts 9,275

feature IMO and I want to keep it.

If the Denso was a 2 or 3 wire relay then these other features could reside in the ECU or in a companion relay probably near the flasher relay. No such luck, they are inside the flasher relay so we need to keep it installed.

I'm certain other members already discovered this - and before it was a minor thing not worth mentioning and now with so many of us going all-LED I thought I'd post my findings to help other members save that step, giving them more time to move forward too.

BADLANDS has sent me one companion-relay to test and they are sending me another companion-relay with additional capabilities in case the first does not work. I'll know more after we Rumble in the Redwoods. BADLANDS has lots of other parts too.

> quote:
>
> *Originally posted by RaySDF250*
>
> Mike, why did you give up on an alternative relay?

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**Sun, May 13 2007 9:26 PM**

In reply to

RobRiguez

Joined on Tue, Jul 11 2006
Edison NJ USA
Posts 3,887

Re: Replacing or Modding the Flasher (with pictures)

Why not just replace the Denso iwith a 2 wire and not worry about the self cancelling feature??

Can you dig it? ...CAN You Dig it? ... CAAAAN YOOUU DIIIIG IIIIIITT!?!?!?!??!?!

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Mon, May 14 2007 6:11 AM

In reply to

mdfdwarrior

Joined on Sat, Aug 23
2003
Naperville IL USA
Posts 3,865

Re: Replacing or Modding the Flasher (with pictures)

Great job - thanx!

Welcome to Chicago!
www.chicagolandcruisers.com
"You can say it can't be done, just don't interrupt me while I'm doing it...."

SUPPORTER

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Site created and maintained by Sean Kearney