

Step by Step on how to repair broken REC Nav unit Joystick

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1 (permlink)

Mr.
iNCREdIBLE
Premium Member



Car: 2005 Chrysler 300C
Join Date: Apr 2006
Member Number: 5683
Location: Southern California
Trader Rating: (21)
Posts: 4,147

How-To---Step by Step on how to repair broken REC Nav unit Joystick

Ok.. first sorry the pictures are bad, all I had was my phone when I did this:

*******EDIT*******

Alpine has discontinued the joystick

This company: [ALPS ELECTRIC RKJXT1E12001](#) | [Buy RKJXT1E12001](#) | [Onlinecomponents.com](#)

will have 1000 in stock by 2/2009

the part number (Alpine's) is RKJXT1E12001 if you find it online somewhere else please advise me.. thanks

order the Joystick here: http://www.mouser.com/Search/Refine.aspx?Ntt=*RKJXT1E12001*&N=1323038&Ntx=mode%2bmatchall&Ns=P_SField&OriginalKeyword=RKJXT1E12001&Ntk=Mouser_Wildcards
Thank You Jaak for finding that...

also you can order a new plastic knob thing here:
[1-800-373-3539](tel:1-800-373-3539) ...ext262...ask for katie

Tools needed:

- Desolder iron
- empty can of some kind..
- Solder iron
- Solder
- Jewelers Flat Blade Screw Driver
- Jewelers Phillips Head Screw Driver

****basic soldering skills****

*******eject all your CD's first (nav DVD doesn't matter)
eject them 1,2,3,4,5,6 and DON'T turn the unit upside down, or your CD changer will jam...

Step 1.

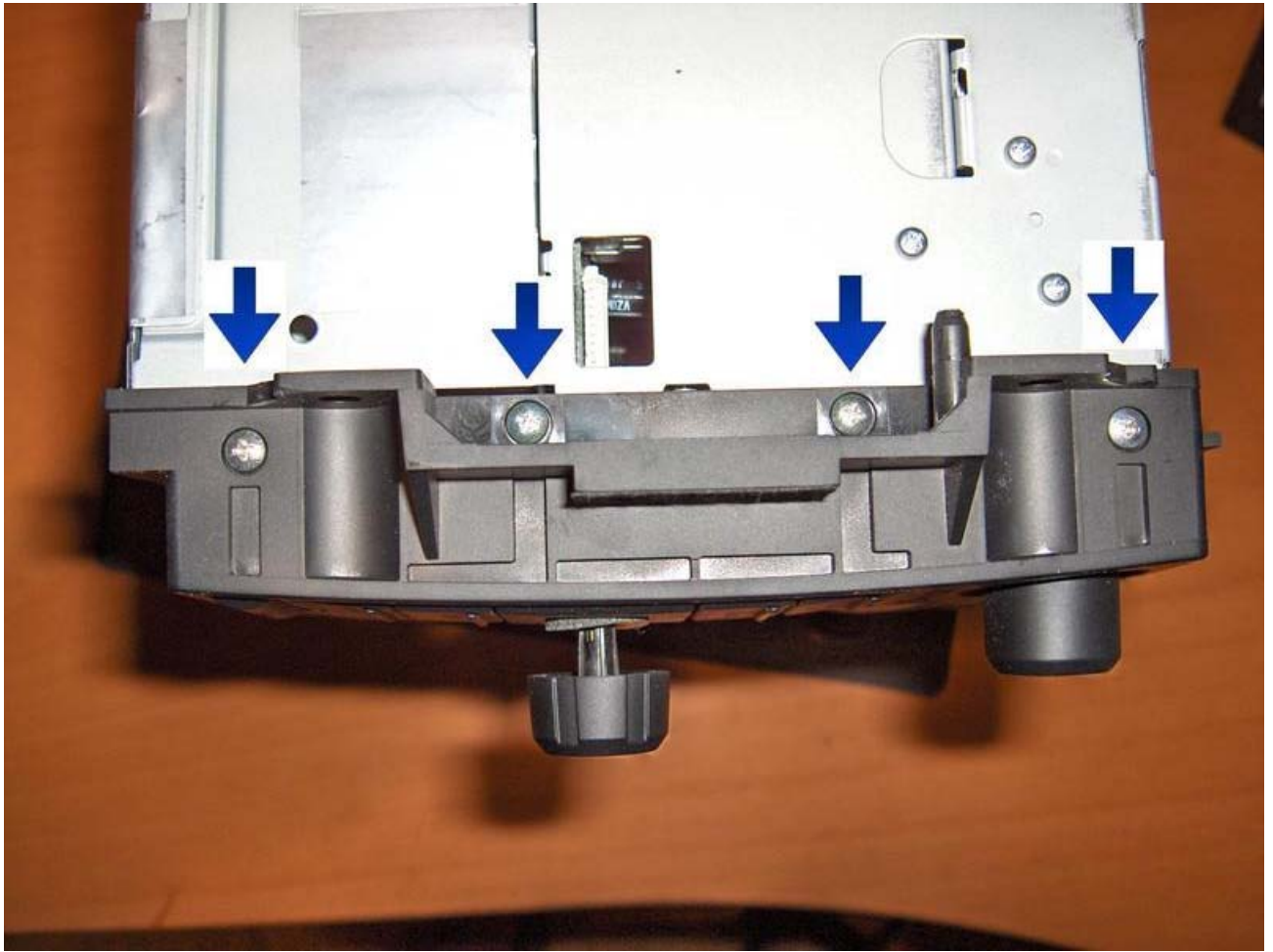
remove Nav unit from car. (if you struggle with this, then stops here DO NOT go further)

Step 2.

there are 4 screws on each side and 2 on the top and bottom of the face plate, remove these and pull off the Knobs (volume, tuning, Joystick)

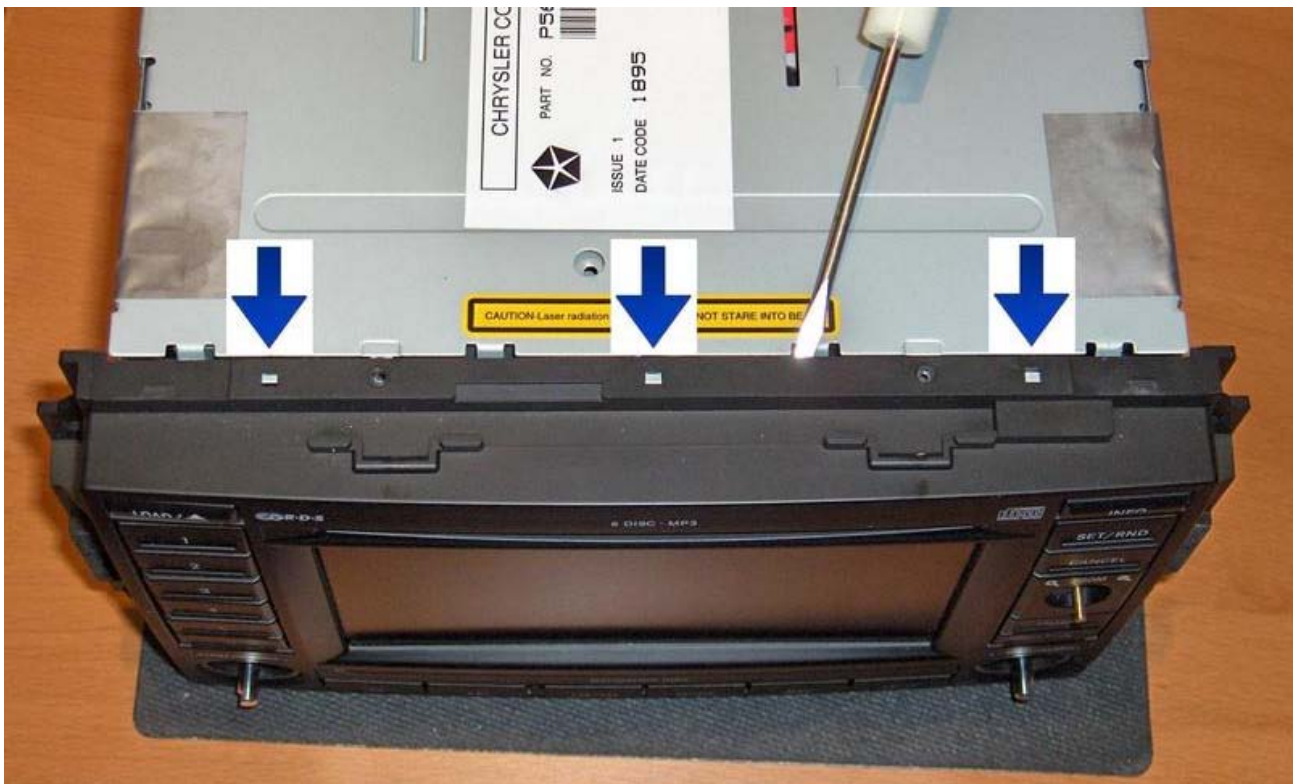
(thank you Jaak for providing these pictures)





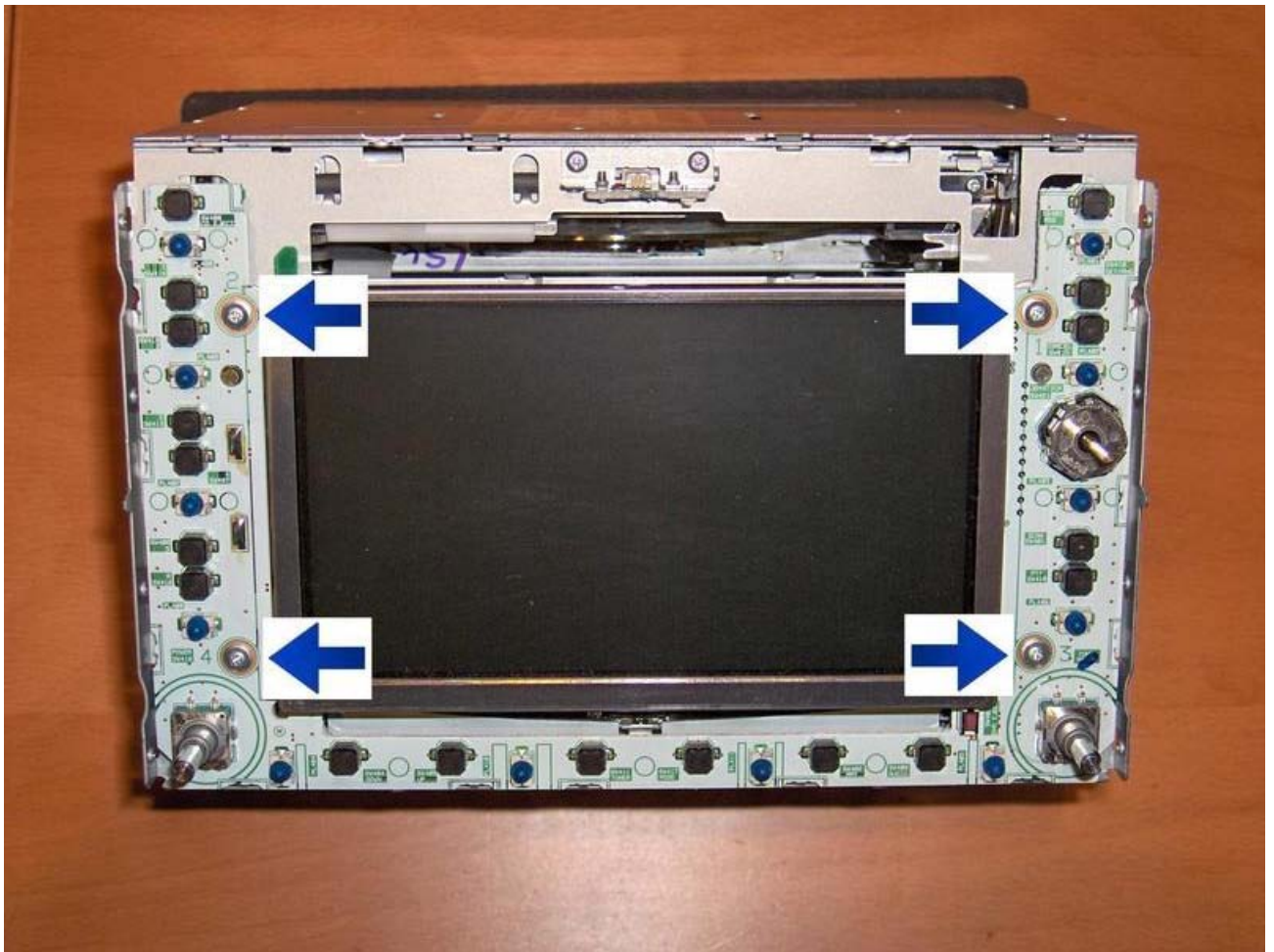


use small screw driver to top pop the tabs that hold the face plate on.



Step 3.

Remove the PCB board:
4 screws hold it in place:



remove the connector on the left side



Step 4.

place the unit on a mouse pad or some other type of anti-static pad.

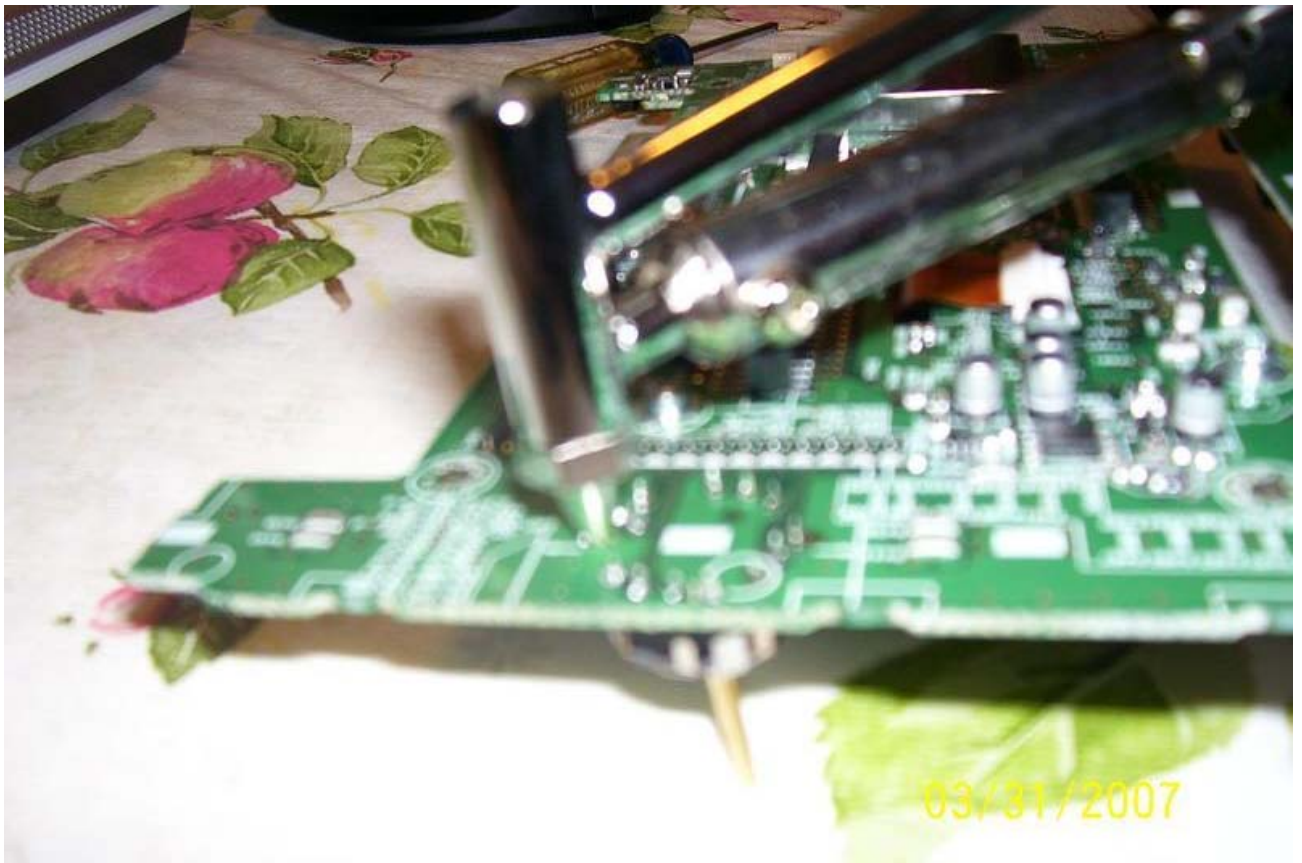
I personally use an empty tissue box, because I can set the unit on it with the knobs inside the opening to prevent damage to them.

Step 5.

Desolder the old joystick, make sure you EMPTY the desolder iron after each pass (empty into the can) or you could spit hot solder onto the pcb board and Bye Bye Navi Unit.

this is a desoldering iron \$25 at Radio Shack:





Step 5A

look at the difference in the 2 joysticks.. if the new one (shorter shaft) bugs you then you can do the following and swap out the shaft:



A. disassemble the old joystick:

use the flat blade screw driver to lift these four tabs:



open joystick:



remove the shaft:



repeat the steps for the new joystick and swap the shafts.

Step 6.

Now resolder the new stick in place:



If I recall there are 15 points to solder, the stick only goes in one way so you can't mess that up,, but BE CAREFUL not to bend the ends as you insert it, they break kinda easy.

Step 7.

finished:



Disclaimer

YOU DO THIS AT YOUR OWN RISK.. DON'T BLAME ME IF YOU SCREW UP YOUR UNIT.