NEWS | ARTICLES | GALLERIES | MARKETPLACE | COMMUNITY FORUMS ♠ Forum Volkswagen Golf V & Jetta V DIY: MKV Premium 8/RCD510 Swap User Name Password Log in Register If this is your first visit, be sure to check out the **FAQ** by clicking the link above. You may have to **register** before you can post: click the register link above to proceed. To start viewing messages, select the forum that you want to visit from the selection below. + Reply to Thread Thread: DIY: MKV Premium 8/RCD510 Swap View First Unread Thread Tools Search Thread Display scenturion o DIY: MKV Premium 8/RCD510 Swap #1 05-07-2010 11:40 PM Reply Member I swapped my Premium7 for a Premium8/RCD510 today. The RCD510 is the touchscreen non-Nav 6CD+Sat radio that comes in the MKV. I didnt find a good guide anywhere online (only found a lot of RNS510 guides...), so I decided to make one. Join Date: Apr 11th, 2009 Location: Norcal - Bay Area Posts: 1,273 The process was *very* simple. Swapping everything probably only took me about an hour, and I think anyone with a bit of do-it-yourself inclination could swap radios with no problem. The entire thing is plug and play - no VAGCOM necessary (unless your radio comes with weird coding...). 09 TR GTI, 99 18J Vehicles: Miata This would also be a good time to install an AUX-in. See my other DIY. Cost The cables and adapters cost about 50-70 dollars, depending on whether you get a sat radio extension with the FAKRA connectors or not. Considering the street price of an RCD510 is 450-500, the total upgrade will run you somewhere around 525 dollars. To be fair, you can sell the old radio equipment you remove to help lessen the blow.

You need the following parts:
-RCD510 radio (P/N 3C8 035 195 AC)
-A CAN module of revision 'L' or newer.

If you have an older version, the radio will not enter 'sleep' mode, and your car will need a jump every morning. I believe MY2008+ already have this module or better, but you should double check just in case. You can check by using VAGCOM or by finding the module itself and reading the part number. The latest version of the module is 1K0907530AD and will add around 240 dollars to the total cost of the upgrade. Though the install of the CAN module itself is very easy, you need a VAGCOM to code it.

Update: According to Sebastian@RossTech, you may only need to have your CAN module software updated rather than completely replace the module. It looks like you should just be able to ask your dealer to update your can gateway software. The issue is described in TPI 2017949. Find more information here

-One-piece AM/FM antenna adapter: P/N 7L6 051 551

-Sirius/XM antenna extension. If you are upgrading from a Premium 7 and want to keep your sat radio.

You can find a basic one here, or you can find one with the proper FAKRA connector on the end at oemplus or MFD3

I bought mine from MFD3 because oemplus was out of stock at the time. Any, even without the FAKRA connector, will do.

Thought finite for Bridge because certifieds was out of stock at the time. Any, even without the PARKA connector, will do. You can also buy the OEM 2.5m F-F extension, and the .3m M-M adapter.

The part numbers are 000098653 (2.5m extension) and 000098692 (.3m adapter).

Total cost should be ~35 dollars plus shipping. This length only works for the Rabbit/GTI. If you have a Jetta/GLI, you need a longer extension!

You can get the parts from any dealership or VW parts retailer (I use genuineywaudiparts.com)

Tools



- -Soft plastic trim removal tool (1000x better than a screwdriver)

- -Solic plastic time relieval tool (1900x better than a screwdiver)
 -Electrical tape
 -magnet rod (not really necessary but useful)
 -[torque] wrench and 10mm triple square for removing the seat
 -T15 torx screwdriver

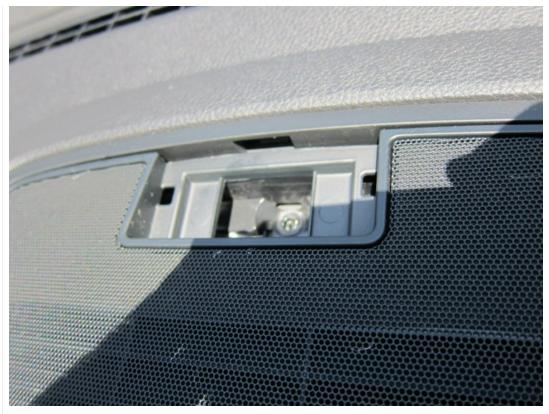
- -ye olde abortion stick (unraveled hanger) -sticky tape -small pliers/scissors (makes things easier)

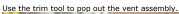
okay! lets do this!

First, make sure to remove all of the CD's from your existing player.

Next, put your cooling system on defrost, which will close the vent going to the dash and help prevent you from dropping stuff into it while working.

At the top center of the dash, use the trim tools to pop out the plastic sensor cover. If you have a climatronic, this will have a cable connected to it which you must disconnect. There is a screw in the bottom once the cover is removed. Remove it.





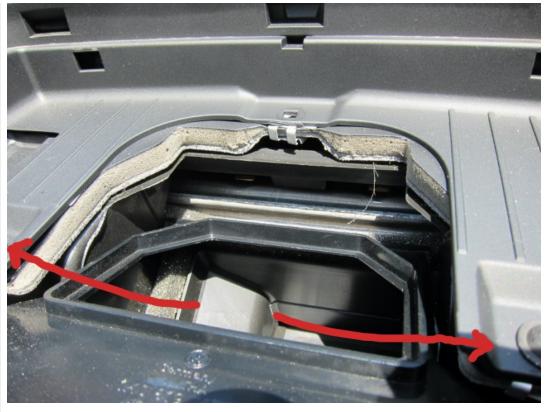


This will reveal yet another plastic tray underneath.

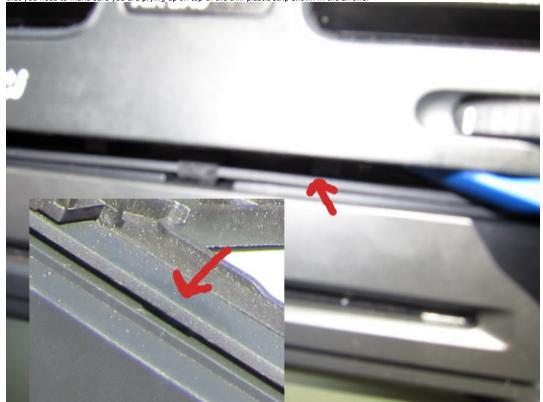




Surprise! More plastic bits. Remove the two screws indicated by the arrows.



Use the trim tool to pry the vent assembly straight up. I found it easiest to use two tools and put them underneath each of the front vents. Note that you need to make sure you are prying up on top of the thin plastic strip shown in the arrows.



After you have pried the vent assembly up enough, it will pop out around 1/4". Lift the vent assembly straight up until it is free, then place it off to the side.



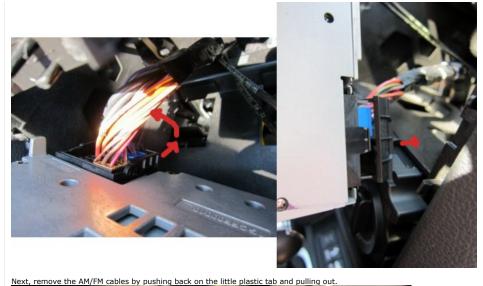


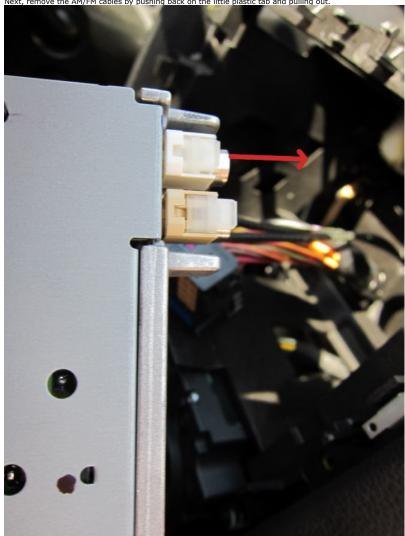
Pry the trim piece towards the back of the car. It was easiest to pry around the entire piece in a circular fashion.





At this point, the radio will slide straight out. There is a fair amount of slack in the cabling, so dont worry too much about pulling it all the way out. Then, remove the big honkin connector ("quadlock"). push down on the tab on the bottom, then push the tab to the back, releasing it. Pull the plug out. If you want to install Aux-in, see my other DIY for how to swap the pins around.





Both radios together.



The next part of the DIY involves running the satellite extension cable. If your car didnt come with sat radio, you'll have to buy a separate antenna (pretty cheap) and install it wherever you want. If you dont care about sat radio, skip these steps.



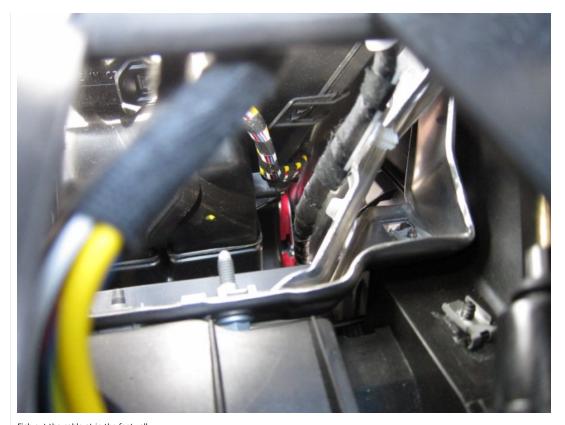
Once the panel is removed, it will reveal access to the space behind the radio.





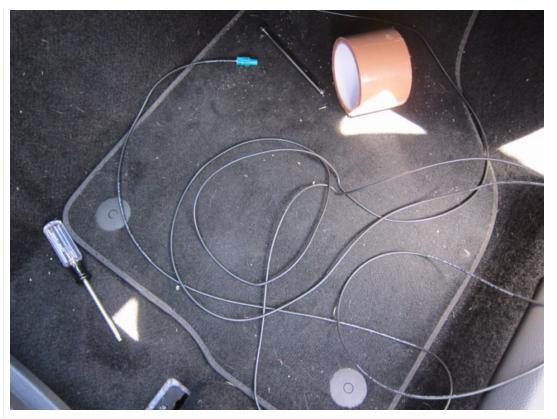


Drop it down into the hole behind the radio in the general direction of the removed panel.





And pull the slack through.



Leave enough slack at the top that you can still plug it in. I taped the sat extension to the AM/FM cables to make sure it didnt fall into the dash on accident

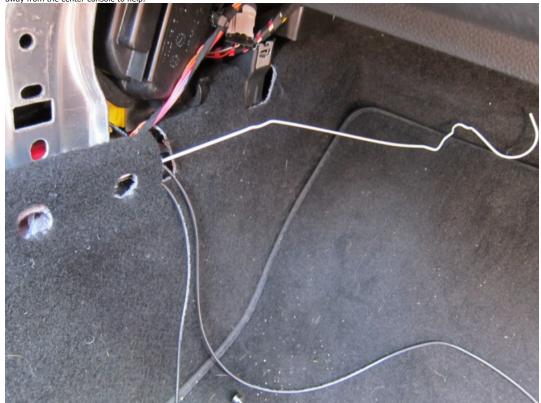


Remove the front passenger seat by undoing the 4 bolts on the seat rails. You dont need to take it out of the car, just lean it back when it is unscrewed so that the space under the seat can be easily accessed. I had previously removed my sat radio, so there arent any pictures. In short, pull the plastic fairing forward off the radio unit, and undo the screws holding the radio bracket on. Remove the entire assembly and cry as you sell it in the classifieds for pennies on the dollar. If you ever want to install bluetooth in the future, save the bracket and fairing though, because the bluetooth adapter installs there.

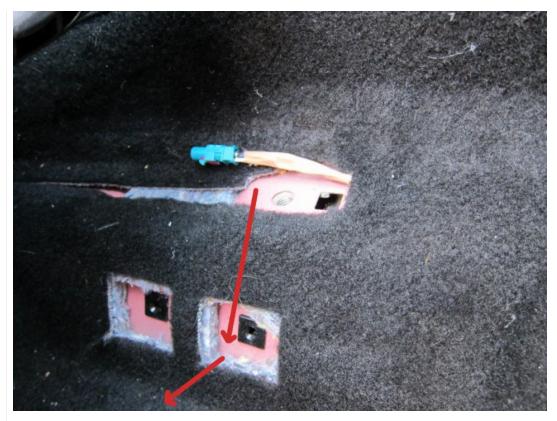
Having moved the seat out of the way, tape the end of the cable to the clothes hanger.



Plumb the cable behind the carpet and insulation, pushing it towards the opening under the seat. You can gently pull the carpet and insulation away from the center console to help.



Eventually, you'll be able to pull the cable out.

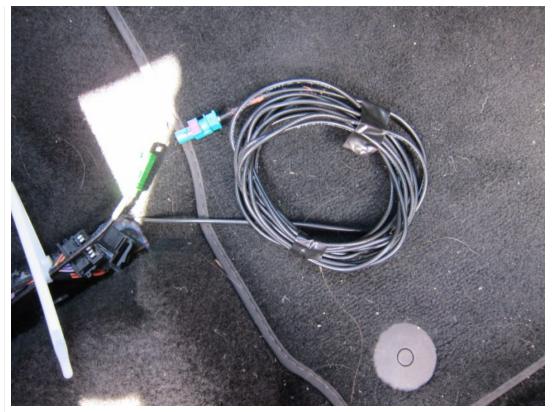


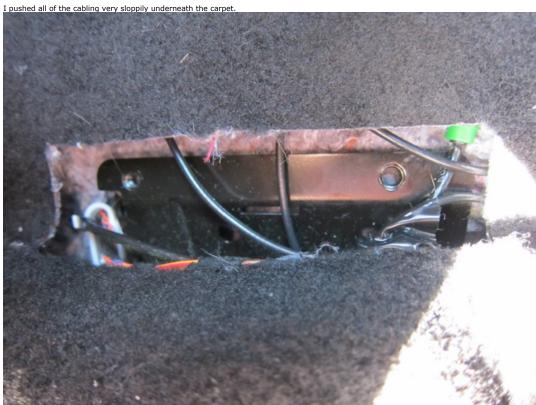
Then, I pulled all of the slack through, and routed it under the carpet (though not under the insulation, to the other side of the seat where the existing satellite antenna cable was poking through.



I then coiled up all of the slack, taped it together, and connected the sat antennas.

NOTE: IF YOU ARE REPLACING AN XM RADIO OR OLDER SIRIUS RADIO, THERE MAY BE TWO ANTENNA PLUGS. Just plug the extension into either, no adapter is necessary.





And reinstalled the seat. The torque for the seat bolts is 29.5 ft-lbs/40 N-m $\,$



Have a beer.



Last edited by scenturion; 12-20-2010 at 05:26 PM.

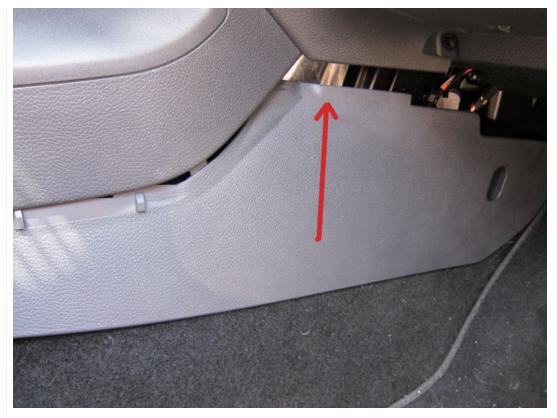
Reply With Quote

scenturion \circ

Member Join Date: Location:

Posts: Vehicles: Miata Apr 11th, 2009 Norcal - Bay Area 1,273 09 TR GTI, 99 18J 05-07-2010 11:41 PM Reply #2

Reinstall the kick panel by pushing straight up, and reinstalling the screw. When you push it up, it should click into place.



Take your AM/FM antenna adapters, and slide the metal ends into the dual-adapter. they should click into place. Then, secure them by pushing the purple part so it clicks against the plastic plug body.

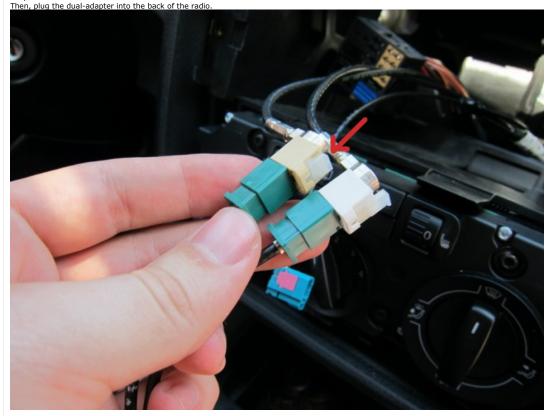


Next, the RCD510 gets installed. Take your RCD510 and insert the quadlock plug. Insert the plug, and rotate the latch closed.



Plug the AM/FM antenna into the adapter. I dont think it matters which goes into which. Slide the plastic parts closed to lock them into the adapter.

Then, plug the dual-adapter into the back of the radio.



Finally, plug the sat radio cable into the RCD510, and slide it into place.





Make sure everything on the radio works (sat, AMFM reception, AUX if you have it) to make sure everything was wired up right.





There you have it!....

Or not...
For some reason, my MFD wouldnt display the Audio screen anymore.
After 3 hours spent searching the internet and fussing about with VAGCOM, I found out that it magically fixed itself after I power cycled by pulling the fuse and reinserting it...

The fuse diagram in the manual was wrong, so I pulled every 15amp fuse until the radio went off. This threw a nightmarish number of error codes - if I didn't have a VAGCOM I would have been in serious trouble. I have circled the appropriate fuse for my vehicle (MY09), so you can avoid this



Last edited by scenturion; 05-07-2010 at 11:46 PM.

Reply With Quote

oidoglr o

Member



Jan 26th, 2009 Location: Minneapolis, MN Posts: 829 Vehicles 2008 R32

05-08-2010 12:17 AM



Great DIY. I'd love to do this on my 2007 GTI, but not really sure if it's worth it after having to purchase a new CAN cable which seems to go for around \$300 on top of an RCD. Starting to resign myself to the idea of the Satellite iPod adapter. (I still have the old 6-disk emulator adapter. boo. (2)

Reply With Quote

05-08-2010 12:21 AM Reply

scenturion o

Member

Join Date: Apr 11th, 2009 Location: Norcal - Bay Area Posts: 1,273 Vehicles: Miata 09 TR GTI, 99 18J

R Originally Posted by oidoglr

Great DIY. I'd love to do this on my 2007 GTI, but not really sure if it's worth it after having to purchase a new CAN cable which seems to go for around \$300 on top of an RCD. Starting to resign myself to the idea of the Satellite iPod adapter. (I still have the old 6-disk emulator adapter. boo. (2)

You can get the latest version of the CAN module, 1K0907530AD, for around 240. But, yeah, its a tough call to make at that price point.

Reply With Quote

maloosheck o

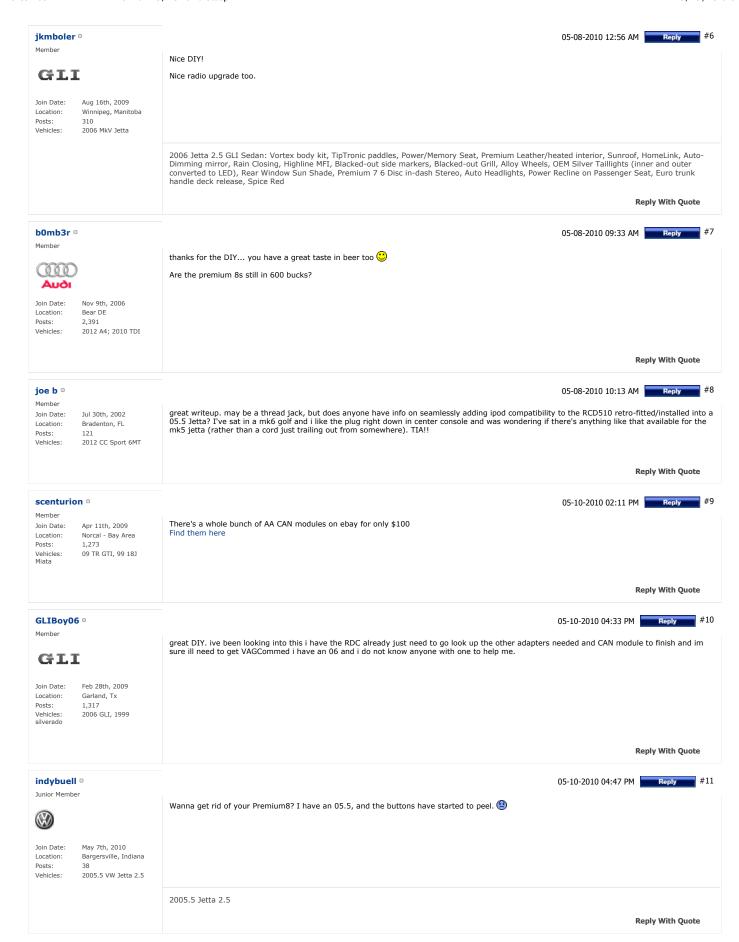
Member

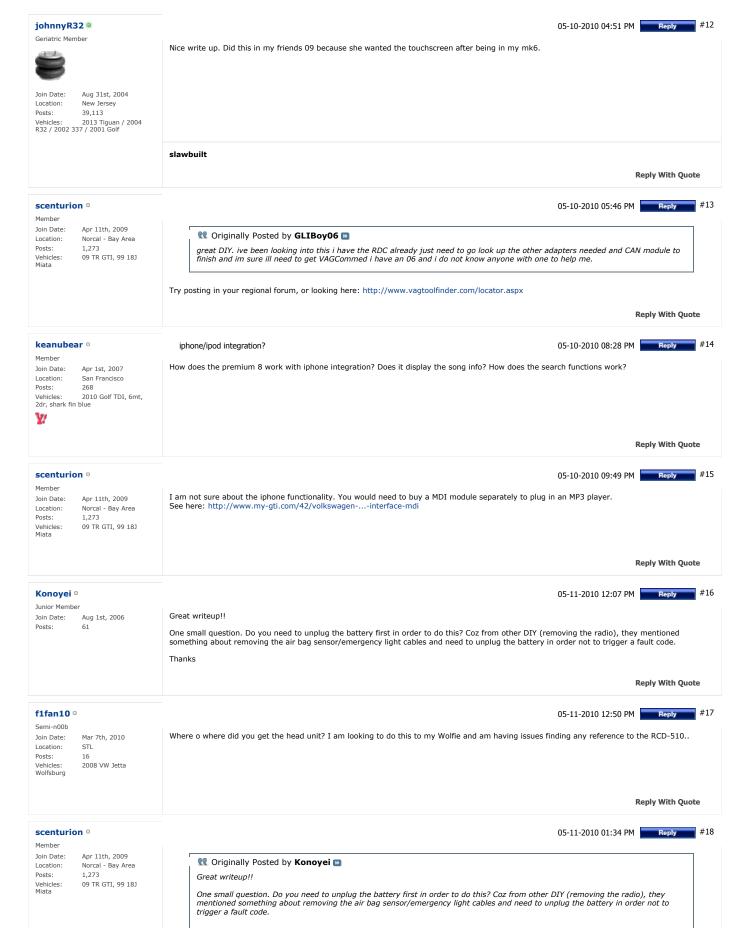
Join Date: Oct 5th, 2004 Location: Sterling, VA Posts: 5,876 Vehicles: 2K6 1K2 BRM / 2K8 7L6 BWF / 85 19 MF

Looks good!



Reply With Quote





Thanks

I didnt unplug those cables, I just set the entire unit to the side. If you were to unplug the cables (I'm not sure why you would...), you need to unplug the battery.

R Originally Posted by f1fan10

Where o where did you get the head unit? I am looking to do this to my Wolfie and am having issues finding any reference to the RCD-510..

They go up for sale in the MKV and MKVI classifieds section every once in a while (I got mine from the MKV section). If you are patient, you can find one for around 500 dollars.

Reply With Ouote

05-11-2010 02:10 PM Reply #19

07-01-2010 02:08 PM

07-04-2010 01:30 PM

07-06-2010 07:42 PM

hammerfang o

Member

GTI

Jan 6th, 2010 Location: Long Island NY 498 Posts: 2008 GTI 2-door stick Vehicles

Nice write and excellent choice of beer.

Reply With Quote

Reply

#20

scottydanger o

Junior Member

Join Date: Sep 1st, 2009 45 Posts:

Exactly where is the CAN so I can check the version I have. I have a 2006 GLI so I'm figuring I would need to replace mine (though the dealer did replace my radio in '09 I doubt they wouldve changed that as well).

Reply With Quote

07-01-2010 02:20 PM Reply #21

maloosheck o

Join Date: Oct 5th, 2004 Location: Sterling, VA 5,876 Posts:

Vehicles: : BWF / 85 19 MF 2K6 1K2 BRM / 2K8 7L6

Originally Posted by scottydanger

Exactly where is the CAN so I can check the version I have.

Over the acceleration pedal: http://furmanka.blogspot.com/2010/03...eway-j533.html

18 cylinders of torque | For sale bucket | 4Motion Swap Project | DubHaus GTG

Reply With Quote

Reply

scenturion o

Member

Join Date: Apr 11th, 2009 Location: Norcal - Bay Area Posts: 1.273 09 TR GTI, 99 18J

Vehicles: Miata

Has anyone done this swap on a Jetta?

Will VAGCOM for beer, NorCal 94043

Reply With Quote

#23

Whataguy o

Memher



Join Date: Sep 5th, 2003 Location: Far East of the Western world - St. John's Newfoundland CAN A1B1C2

Vehicles: 10 Golf wagon highline (lowered 1" with GTI suspension, 17" Goal wheels, RNS-510)

Scenturion:

Nice DYI. Looks like you have two male (plug) Sat connectors under the seat - a green (E) one and a blue one? You did not say how you connected them? Just disconnected and spliced them?

Although I understand they can be cut-off, why did you use blue? Lack of availability for green? I thought the blue one was mated to lock in on GPS connector, and the green one is mated for Sat.

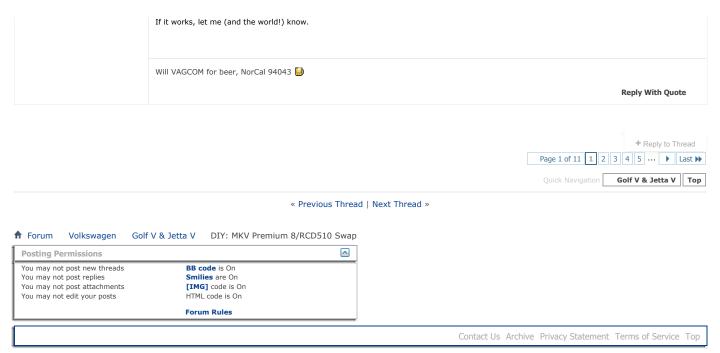
Reason I am asking is because I am doing a custom OEM install, and I am tying to grab the information I need form little pieces here and there. I have no pre-existying wiring - have the Premium 7 without sat. From what I undertand, I need to install a fresh (estimated 16') run from the headunit to the back top of car. Green female goes into the back of the unit, and a male goes into the satellite sharkfin antenna connection, I understand. Can you comment and confirm anything?

Thanks.

Rob

Reply With Quote Michael A o 07-13-2010 08:11 AM Reply #24 Member I have a 2009 CC that I replaced the Prem 7 with a RCD510. The quadlock while plugged into the Prem 7 provides the sat antenna connection to Join Date: Aug 13th, 2002 the OEM sharkfin (AM/FM Fakras where unplugged at this point) however when I plug the quadlock into the RCD510 I get NO SAT antenna. Posts: 151 On the back of the RCD510 there is an additional GREEN Fakra connection, Is this for the sat antenna? If so how do I integrate this connection with the OEM sharkfin in my car? **Reply With Quote** 07-13-2010 08:25 AM Reply #25 johnnyR32 @ Geriatric Member 🔐 Originally Posted by Michael A 🔟 On the back of the RCD510 there is an additional GREEN Fakra connection, Is this for the sat antenna? If so how do I integrate this connection with the OEM sharkfin in my car? Aug 31st, 2004 Location: New Jersev 39,113 Posts: yes that is for sat. in a cc you need to run a sat extension cable from the back of the radio to the trunk where the sirius box is. just like the op did Vehicles: 2013 Tiguan / 2004 R32 / 2002 337 / 2001 Golf but instead of being under the passenger seat it's in the back. slawbuilt Reply With Quote Michael A o 07-13-2010 08:42 AM #26 Memhei I thought Sirius was integrated into these newer units? Join Date: Aug 13th, 2002 Posts: 151 Or perhaps is the box in the rear of the car just some sort of gateway/connection to the sharkfin antenna? Do you know what kind of extension cable I need to buy? **Reply With Quote** Reply #27 johnnyR32 @ 07-13-2010 08:56 AM Geriatric Member R Originally Posted by Michael A 🔟 I thought Sirius was integrated into these newer units? Or perhaps is the box in the rear of the car just some sort of gateway/connection to the sharkfin antenna? Aug 31st, 2004 New Jersey Location: Do you know what kind of extension cable I need to buy? Posts: 39.113 Vehicles: 2013 Tiguan / 2004 R32 / 2002 337 / 2001 Golf the sat is integrated into the rcd-510. the box in the trunk will not be used anymore but you need to run an extension from the rear....which is where the shark fin gets connected....to the back of the new radio. so you will disconnect the antenna wire from the old box and connect it to the extension cable that you will be running up front. The first post has links to oemplus and mfd3 that sell the sat extension cables. I am not sure how long the cable needs to be for a cc but I used a 5' cable in my friends gti just going from under the seat to the radio with a little slack. slawbuilt Reply With Quote Michael A o 07-13-2010 09:12 AM Reply Member Aug 13th, 2002 I see do you know if the box is in the floor by the spare tire? Join Date: Posts: 151 **Reply With Quote** iohnnvR32 @ #29 07-13-2010 10:03 AM Geriatric Member 🔐 Originally Posted by Michael A 🔟 I see do you know if the box is in the floor by the spare tire? Aug 31st, 2004 not sure. it should say sirius on it though. Location: New Jersey 39,113 Posts: Vehicles: 2013 Tiguan / 2004 R32 / 2002 337 / 2001 Golf

slawbuilt Reply With Quote jetta-boy82 o 07-13-2010 11:21 AM Reply #30 Junior Member In my '06 Jetta, the sat reciever is bolted to the top of the inside of the trunk, just past the trunk lid, surrounded by a metal/aluminum case. Feb 23rd, 2004 loin Date: Location: Richmond, VA Posts: 39 Vehicles 2006 letta, Pkg 1 **Reply With Quote** Hwy_DemonTDI o 07-13-2010 02:48 PM Reply #31 Junior Member I have a touchscreen I'm willing to part from a 2010 jetta? o o o o o Aug 7th, 2008 Join Date: Posts: Reply With Quote Michael A o 07-13-2010 07:04 PM Reply #32 Member I found the sat box on a 2009 CC it is on the right side of the trunk through a small access panel. It is barely accessible so just for the heck of loin Date: Aug 13th, 2002 it I went to Best Buy and bought a small \$30 magnetic mount Sirius antenna which after plugging into the green connector and fishing around the dash worked PERFECTLY. At some point I will get the extension cable for the shark fin however for right now this magnetic surface mount is Posts: 151 almost seamless. Reply With Ouote FL PASSAT DRIVER • 07-18-2010 11:08 AM Reply #33 Member I was ready to pull the trigger to upgrade my radio until I read about the battery issue. I have a Vag-com, can someone point me to the correct screen for the controller screen? My car is an 06 Passat. Thanks a lot Join Date Aug 24th, 2005 Location: Voorhees, NJ 1,572 Posts: Vehicles 2006 Passat Sport VR6 Reply With Quote LTronHubbard o 07-23-2010 12:03 AM Reply #34 Member Did you ever do the DIY Aux input? I've got the Premium 7 I'm wondering if there's any DIY for it. Join Date: Jul 18th, 2010 Posts: 134 Reply With Quote 07-23-2010 04:11 PM #35 scenturion o Memher Join Date Apr 11th, 2009 R Originally Posted by FL PASSAT DRIVER D Location: Norcal - Bay Area Posts: 1,273 I was ready to pull the trigger to upgrade my radio until I read about the battery issue. I have a Vag-com, can someone point me to the correct screen for the controller screen? My car is an 06 Passat. Vehicles: Miata 09 TR GTI, 99 18J Thanks a lot Just open up your Module 19- CAN and see what revision of the part it is. I think the Passat uses the same general part, so if the part number is "### ### ## X", and X is L or greater, it should be fine. If youve got a 2006, you probably have an older revision though 🐻 Originally Posted by LTronHubbard Did you ever do the DIY Aux input? I've got the Premium 7 I'm wondering if there's any DIY for it. I tried it out, but it didnt work on my car. It may work on a Premium 7, but I never found out for sure. Here's what I tried: http://www.golfmkv.com/forums/showthread.php?t=121985



All times are GMT -4. The time now is 09:29 PM.

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Digital Point modules: Sphinx-based search