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🏠 Forum   VW Model-Specific Forums   Golf V & Jetta V   Installing Volk-L bluetooth kit (long, lotsa pics)

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Thread: Installing Volk-L bluetooth kit (long, lotsa pics)

Thread Tools   Display

lamune ○

Member

Join Date:	Dec 7th, 2003
Location:	Monroe WA
Posts:	141
Vehicles:	MKV R32 #4835

Installing Volk-L bluetooth kit (long, lotsa pics)   10-22-2008 02:53 AM   Reply   #1

I wanted to share the installation process of the VW Bluetooth accessory in my Mk5 R32. The process should be similar in any recent Mk5 VW. As usual the standard disclaimers apply- this worked for me but may or may not work for you, so use caution.
After installing this I want to first say that IMO the Parrot Bluetooth offering is much more feature-rich than this thing is. Pricewise they seem about the same, so do compare the Parrot offering before you commit to this. Also the installation process is fairly complex. Read through this before beginning.
So far here's what the Volk-L kit can do:
Will mute/pause the radio/cd when the phone is active
Will announce via a voice the name of the contact when a call comes in ("Call from Otto Bahn at home")
Will announce via a voice when a reminder pops up (for smartphone calendar reminders)
stuff it can't do:
Cannot initiate a call from the steering wheel button (Parrot can do that)
Cannot mute the mic. The * button mutes the audio (why?)
Display caller-id in the MFD or radio on incoming calls
Tools needed:
A plastic tool to pop the interior panels off without scratching anything. I used an ancient plastic TV alignment tool. (it didn't survive the install, but worked nicely)
T15 & T20 torx screwdrivers
tweezers
Wiring repair tool or some thin wires/needles used to remove pins from wiring harness plugs
VAG-COM or equivalent to recode the ECU & bluetooth modules
The kit comes with pretty detailed instructions on installation, so I won't go into too much depth, except for the parts where it refers you to the service manual which I don't have or is ambiguous. The install took about 3 hours, most of which was spent trying to figure out how to take the car apart without breaking anything.
So, let's begin. The box:

What's in the box...

...installation instructions, supplement to the car manual, and the Bluetooth box itself.

Microphone, wiring harness, and a bag with connectors, zip ties, a chunk of foam tape and a nylon mesh bag.
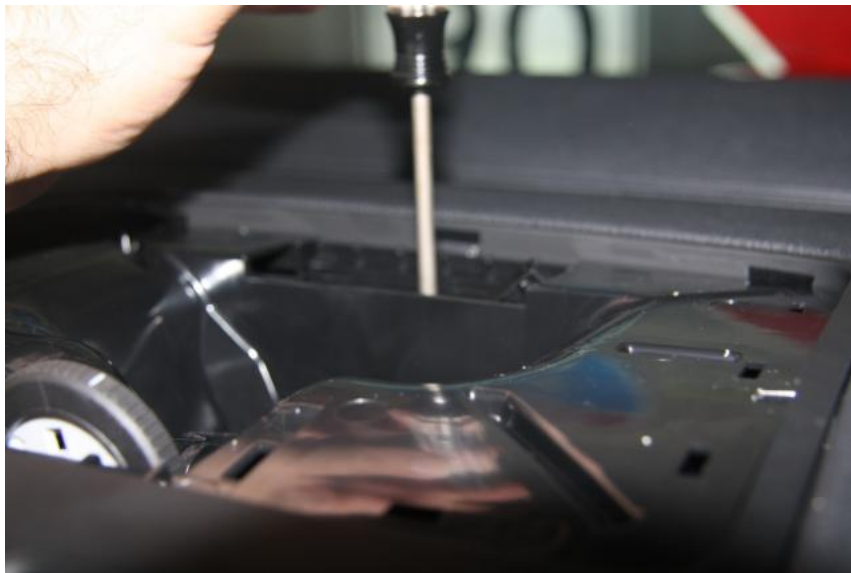

Here's what you're about to take apart!

Begin by carefully prying off the air diffuser. This was a lot harder than it looks, but be persistent and patient and eventually it will pop out:

The daylight sensor is circled. Carefully unplug it and set the air diffuser aside.

There will be one Torx screw to remove on the base of the diffuser. Be careful not to drop the thing into the vent.

Pull up on the rear of it and work the base of the diffuser out. Note the locking tabs in the front, which is why you need to lift it from the back.

With that part removed, you will see two more Torx screws (circled) and note the three locking tabs in the rear (arrowed)

After removing the screws, I used the tool to release the locking tabs and lift the trim piece up slightly.

I used the tool to push in on the seam between the upper and lower trim panels. This was also a lot more difficult than it seemed like it should be, but once the locking tabs were released, it was possible to lift the entire assembly up and out:

Note the locking tab on the right side of the dash assembly, it may help in understanding how the pieces lock together.

The lower trim assembly is held in by two Torx screws (circled) and is fed between two tabs (arrowed) - remove the screws and lift the trim out of the locking tabs.

I then used the plastic tool and worked my way down the trim, popping the clips out one by one and eventually removing the whole piece.

With that lower trim removed, the four Torx screws that hold the radio in are exposed. Remove the screws and then you can carefully slide the radio out.

The antenna connectors are color coded, so don't worry about labeling them. Disconnect the two antenna inputs by releasing their small white locking tabs and pulling them off. The main connector for the radio has a locking lever on the bottom. Release the lever and the connector will come off.
The dash removal part is done. Now you'll need to remove the AIRBAG cover on the passenger side A-pillar trim.

The cover pops off pretty easily. Extract the screw behind it (careful- don't drop it inside!) You can then work the trim off by "uncurling" the part that goes under the door weatherstripping. I didn't take it completely off, just moved it far enough to be able to get inside:

The white thing inside there is the airbag. Also at this point, remove the panel from the side of the dashboard and then the small panel that goes between the dashboard and the weatherstripping where the A-pillar's base is.

Remove the screws that hold the sun visors in. There's a small cover to pop off to reveal the screw inside. I recommend removing both sides. I let the visors hang by their wires, but the clips needed to be completely removed:

Now you need to work on removing the roof console. Pry on the plastic grille, on the side facing away from the windshield, and it'll pop downward on some tabs:

There are two screws to remove (circled) and note the black chunk of foam that's arrowed. This is where the microphone will go.
Extract the console at this point.
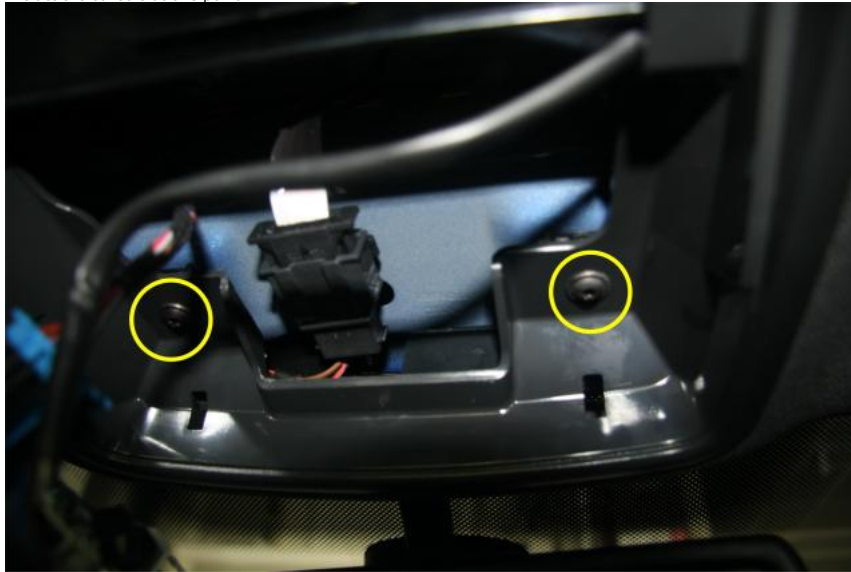
You now need to release the console frame- two screws inside are circled. Remove the screws and you should be able to pull down on the frame, giving you enough clearance in the headliner so you can snake the microphone wire up into that space.
Now, at this point, you are supposed to remove the glovebox. I couldn't figure out how to do that, but I did notice that you could see all the way through the dash, so I used an electrician's fish tape and pushed it though into the middle of the dash.

Here's the passenger side, showing the end of the fish tape, (and the cover I previously spoke about still installed)
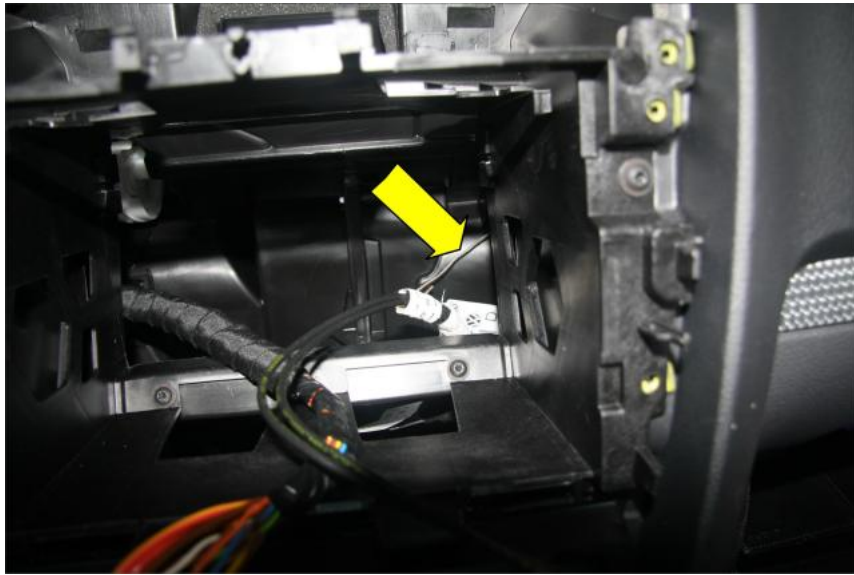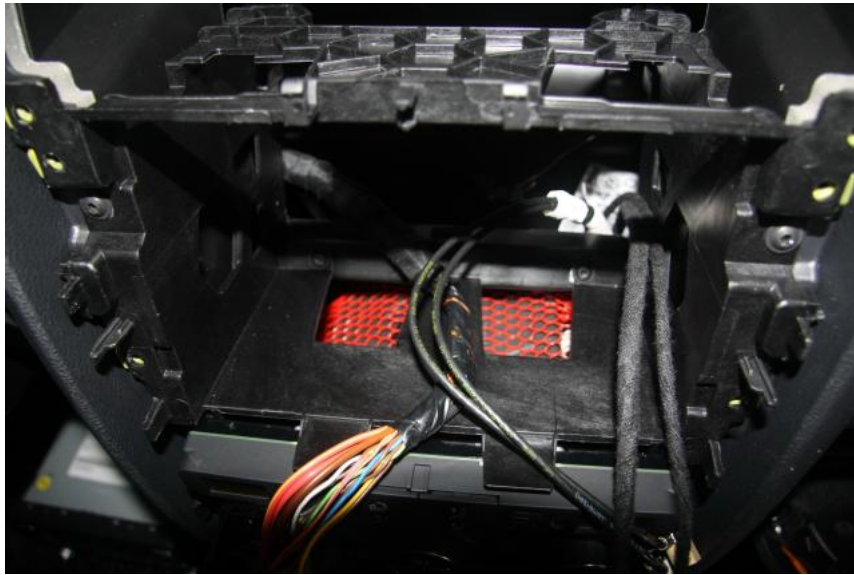
Here's the hook end of the fish tape ready for use
Now we can work on the Volk-L unit itself.

Lock on the supplied wiring harness to the connector

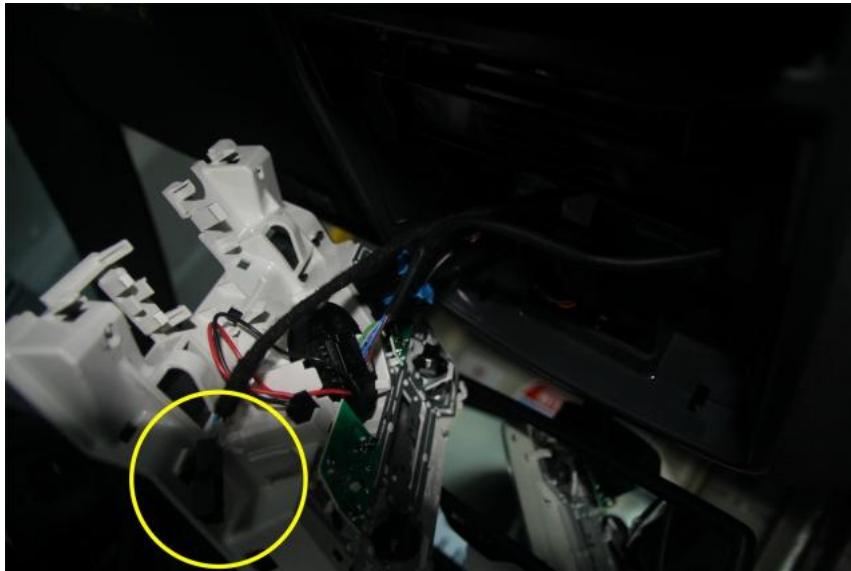Use the supplies included to zip tie the nylon bag onto the unit. This is used to prevent rattles.

There was plenty of space under the radio cavity to fit the unit itself.

At this point I was able to attach the mic connector to the hook of the fish tape...

...and then pull it carefully though the dash behind the airbag and glove box.

Then I fed the wire up through the A-pillar (above and behind the airbag) and through the headliner, and into the ceiling console. (circled- and yes, it was a real pain)
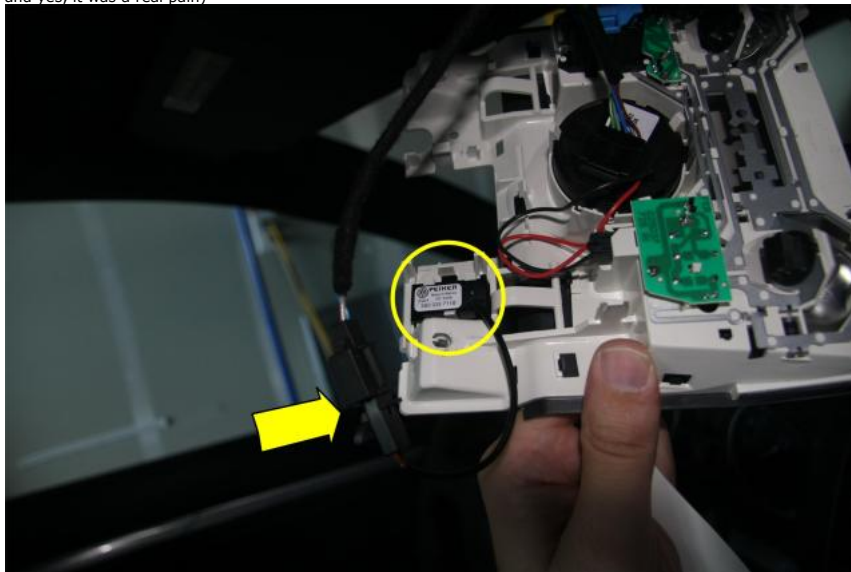
Install the microphone into the ceiling console. (circled) and attach it to the microphone cable (arrowed) - use the sticky foam tape to wrap the connector so it doesn't rattle around inside.
You can now reassemble the console!

Now it's time to work on the wiring- here's where things get kind of nasty. Let me explain the basic process:
You will remove some pins from the radio connector and insert them into supplied connectors
You will insert the pins from the supplied harness into the radio connector
You will reconnect the assemblies
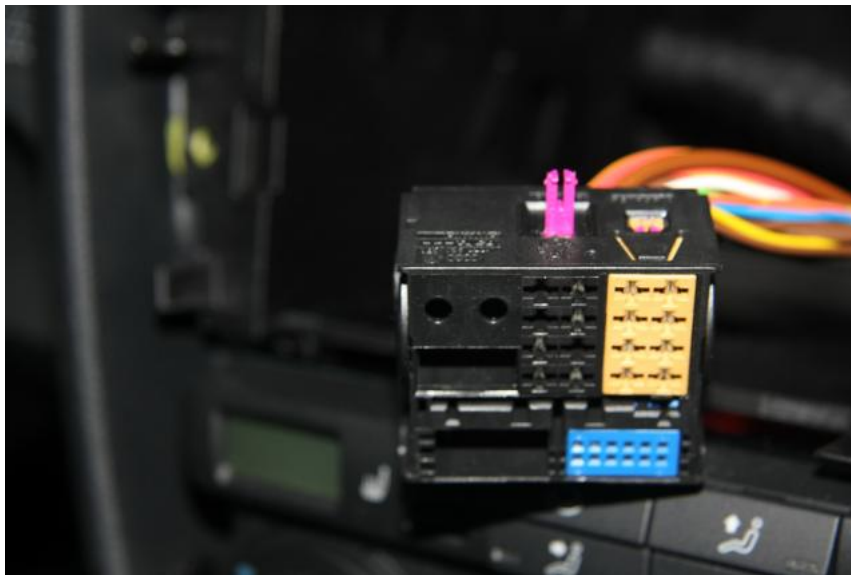
Using a tweezer, squeeze the top locking tabs of the magenta connector lock, lift it out of the radio connector.

I used the leads of a capacitor to unlock the pins from the connector, as shown above. Once the locking tabs are pushed in, you can pull the wire out from behind. The wires you extract from this connector will be reinserted into the white and black headers that are supplied with the kit. Note that there are pin numbers on the locking tabs if you look carefully- assemble as the instructions detail.
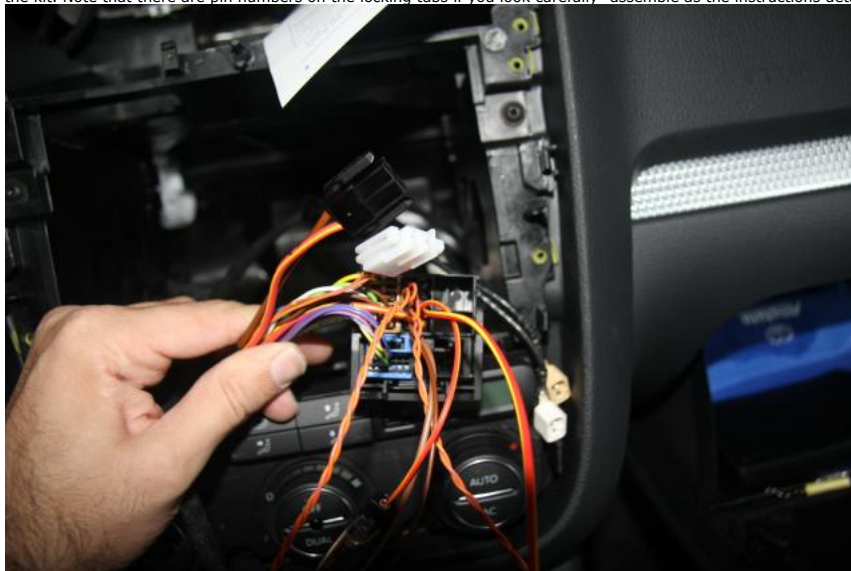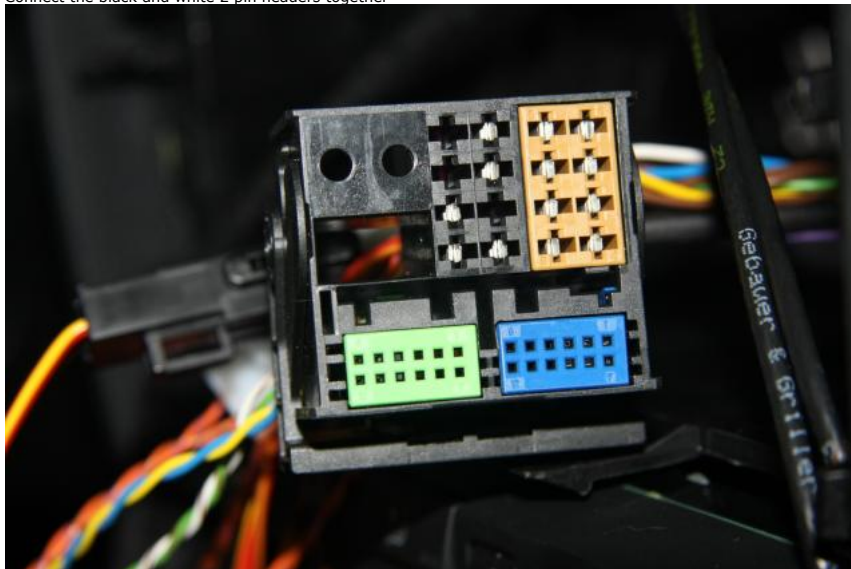
Assemble the rectangular black connector to hold the small pins. and insert the black header into the green housing. Then the green housing is snapped into the radio connector.

Connect the black and white 2 pin headers together

The completed radio connector!
Now you can reassemble the radio. If you disconnected anything (airbag light, switches, sensor) reassemble them so you don't throw any codes when you switch the ignition on later for testing.
To code the radio with the VAG-COM, I first logged into module 19 (hub) and coded it to enable module 77 (phone). Then I logged into module 77 and set coding to the 3 bytes listed in the instructions.
You can then turn the ignition on and pair the unit with your phone. Initiate a call, and hopefully you should see:

If everything is good, put everything back together, and go hands-free.

svander ○
Member

Join Date: Oct 31st, 2003
Location: Seattle Metro
Posts: 12,252
Vehicles: '11 S4

Re: Installing Volk-L bluetooth kit (lamune)   10-22-2008 03:34 AM   **Reply**   #2

Awesome DIY - thanks for the contribution!
It's been added to the Car Audio and Electronics section of the MkV forum FAQ.
[IMG]http://****************.com/smile/emthup.gif[/IMG]

»|möbius-one|Forum FAQ

thisbenguy ○
Junior Member

Join Date: Jan 19th, 2008
Posts: 43

10-22-2008 10:04 AM   **Reply**   #3

How is the mic's sound quality and is it a 2 wire or 3 wire?

Modified by thisbenguy at 9:10 AM 10-22-2008

xylene ○
Junior Member
Join Date: Apr 26th, 2007
Posts: 26

10-22-2008 10:14 AM Reply #4

Wow!! Great write up 🙂
Now if I could just get the pins out of the connector...

lamune ○
Member

Join Date: Dec 7th, 2003
Location: Monroe WA
Posts: 141
Vehicles: MKV R32 #4835

Re: (thisbenguy) 10-23-2008 12:53 AM Reply #5

Quote, originally posted by **thisbenguy** »

How is the mic's sound quality and is it a 2 wire or 3 wire?
Modified by thisbenguy at 9:10 AM 10-22-2008

The Mic uses a 2 pin cable, and so far everyone says the audio quality is pretty good.

xylene ○
Junior Member
Join Date: Apr 26th, 2007
Posts: 26

10-23-2008 08:36 AM Reply #6

I finally managed to get the pins out last night. Ending up using one paperclip on either side of the pin instead of just one paperclip. I used a few different sized clips as well.
Haven't made too many calls but so far very happy with the audio quality. I found that people could not hear me on bluetooth headset but they can hear well the volk-l. There is increased road noise for them though.
Overall, I am super pleased!! No more shifting and holding the phone with my shoulder.
Thanks for the DIY! 🙂

83Caddy16v ○
Member

Join Date: Jul 31st, 2000
Location: NoVA
Posts: 4,703
Vehicles: '13 JKU Sahara

Re: Installing Volk-L bluetooth kit (lamune) 10-23-2008 09:25 PM Reply #7

I did my GTI last weekend. Only difference I see is that I used Torx 20 only.
Excellent picts that will be very helpful when installing the Volk-L kit.
Mine is working well with my iPhone and RNS-510. I am told I sound clear. I need to remember to have the volume turned up on my iPhone.
This is a decent solution, essentially eliminates the need to have a headset in the car.
This kit has been well worth the $69 when doing some of the electrical mods to my GTI, and was helpful with the Volk-L install:

ECS TUNING

chris@swedespeed.com
2012 XC90 R-Design | Ice White | 20" Cratus wheels | RSE
2015.5 V60 R-Design | Rebel Blue | Platinum | BLIS | Climate | KW V3s | KPAX exhaust
Previous: '10 Touraeg TDI : '07 GTI : '98 Jetta TDI : '83 Caddy 16v : '84 GTI 16v : '91 GLI : '01 S4 Avant : '00 S4

xylene ○
Junior Member
Join Date: Apr 26th, 2007
Posts: 26

10-30-2008 01:42 PM Reply #8

Here is another tool to modify the electrical adapter, this one runs 39 bucks.
http://www.metalnerd.com/electricaltools.htm

Naokuphilip ○
Member

Join Date: Apr 18th, 2008
Location: Tokyo, Japan
Posts: 341
Vehicles: 2008 vw Rabbit

Re: (xylene) 10-30-2008 11:09 PM Reply #9

Wow very cool thanks for the write up! I always wanted to have Volk-L.
This page is saved on my "My Documents - MKV DIY" folder 😁
nOw where everyone else purchased this item from? and how much?

Dan GSR ○
Member
Join Date: Dec 10th, 2004
Posts: 2,328

Re: Installing Volk-L bluetooth kit (lamune) 11-05-2008 11:49 PM Reply #10

for anyone using the volk-l kit
you can splice the wires instead of pulling the pins

ChrisM ○
Member
Join Date: Sep 13th, 1999
Location: NJ
Posts: 2,747
Vehicles: 2010 JSW 2.5 S 6sp

Re: Installing Volk-L bluetooth kit (Dan GSR)   11-06-2008 01:12 AM   **Reply**   #11

I guess you could splice the wires, but I didn't think it was too difficult to remove the terminals from the housings (I used unbent paperclips as my extractor tools). The directions included with the kit have checkboxes to help guide you wire by wire.

Reply With Quote

---

boaz ○
Member

Join Date: Jan 31st, 2007
Posts: 722

Re: Installing Volk-L bluetooth kit (ChrisM)   11-06-2008 01:10 PM   **Reply**   #12

i love u

Reply With Quote

P.Bolsters ○
Member

Join Date: Dec 20th, 2001
Location: PDX
Posts: 8,791
Vehicles: 2013 Audi S4

FV-QR   11-06-2008 01:20 PM   **Reply**   #13

is there a list of phones that this module is compatible with?

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Naokuphilip ○
Member

Join Date: Apr 18th, 2008
Location: Tokyo, Japan
Posts: 341
Vehicles: 2008 vw Rabbit

Re: FV-QR (KumaR32)   11-11-2008 06:18 PM   **Reply**   #14

Where did you buy this Volk-L and how much was it?

Reply With Quote

---

ny_vdub ○
Junior Member
Join Date: Jan 10th, 2007
Posts: 40

                                                            11-11-2008 06:38 PM   **Reply**   #15

> Quote »
> Is there a list of phones that this module is compatible with?

http://www.govolkl.com/docs/Vo...s.pdf
--
Does it have the ability to play music via bluetooth? I know on their site it says it cannot stream music with the iPhone - what phone are you pairing with?

Modified by ny_vdub at 2:41 PM 11-11-2008

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---

sr3051 ○
Junior Member

Join Date: May 11th, 2008
Posts: 20

Re: Installing Volk-L bluetooth kit (lamune)   11-12-2008 12:51 AM   **Reply**   #16

I recently walked into my VW dealer and was told there is now a kit available for my 08 EOS VR6, is this the Volk-L you are talking about? also, you mentioned this parrot bluetooth offering, I went to their page and was unable to locate the kit, the only thing I see are things that plug into the cig-lighter, I am looking for something that is completly invisable, not extra stick on buttons.. is that what the parrot product is?

Reply With Quote

Naokuphilip ○
Member

Re: Installing Volk-L bluetooth kit (sr3051)   11-12-2008 01:16 PM   **Reply**   #17

ummm since nobody answers my question, let me ask in different way... hehe
Is $275plus tax is a reasonable price for volk-l from a local dealer?

Reply With Quote

---

silverA4quattro
Member

Join Date: Jun 22nd, 2004
Location: Conshohocken, PA
Posts: 12,732
Vehicles: 2016 RS GTI autobahn
PP/LP/DCC 6MT, 2013 Tiguan SEL 4Mo

Re: Installing Volk-L bluetooth kit (Naokuphilip)   11-12-2008 01:23 PM   Reply   #18

> Quote, originally posted by **Naokuphilip** »
>
> ummm since nobody answers my question, let me ask in different way... hehe
> Is $275plus tax is a reasonable price for volk-l from a local dealer?

It's $323 from Impex so yeah, I would say it's decent.

Reply With Quote

Naokuphilip
Member

Join Date: Apr 18th, 2008
Location: Tokyo, Japan
Posts: 341
Vehicles: 2008 vw Rabbit

Re: Installing Volk-L bluetooth kit (silverA4quattro)   11-12-2008 09:24 PM   Reply   #19

cool thanks 🙂 then I'll probably purchase it 😁

Reply With Quote

---

pho1982
Junior Member

Join Date: Aug 16th, 2006
Posts: 64

11-12-2008 09:45 PM   Reply   #20

Will this work with aftermarket headunit if I splice the wire to exact pin position?
my aftermarket unit uses factory connector to be hooked up.
Does the phone has to be set up through the head unit? or can be done through MFD?
I really like to know.

Reply With Quote

---

vrsechslvr
Member

Join Date: Oct 21st, 2002
Location: Bay Area, CA
Posts: 450
Vehicles: Current: '08 MKV, '90
MKII WE, '64 Bug, '60 Bug

Re: (pho1982)   11-12-2008 10:54 PM   Reply   #21

A bit confused as to why VW would sell the Volk-L without the ability to use the MFSW buttons?
Is there an upgrade to this kit that allows this?

Reply With Quote

---

cb1111
Member

Join Date: Jun 4th, 2006
Posts: 8,243

uhhh....   11-12-2008 11:20 PM   Reply   #22

> Quote, originally posted by **vrsechslvr** »
>
> A bit confused as to why VW would sell the Volk-L without the ability to use the MFSW buttons?
> Is there an upgrade to this kit that allows this?

...it uses the steering wheel button....

Reply With Quote

Naokuphilip
Member

Join Date: Apr 18th, 2008
Location: Tokyo, Japan
Posts: 341
Vehicles: 2008 vw Rabbit

Re: Installing Volk-L bluetooth kit (lamune)   11-23-2008 12:53 AM   Reply   #23

ok so I've installed volk-l and was doing vag-com... and not working.. instead, got bunch of errors.. can anyone help me how to fix these problems? Only thing I've activated was 77 telefone.

Sunday,23,November,2008,13:53:18:48447
VCDS Version: Release 805.1
Address 19: CAN Gateway
Control Module Part Number: 1K0 907 530 K
Component and/or Version: J533__Gateway H04 0021
Software Coding: 3D8F034007000000
Work Shop Code: WSC 01279
4 Faults Found:
01305 - Databus for Infotainment
004 - No Signal/Communication - Intermittent
Freeze Frame:

Fault Status: 00100100
Fault Priority: 1
Fault Frequency: 42
Reset counter: 121
Mileage: 28897 km
Time Indication: 0
Date: 2000.00.00
Time: 22:33:28
00469 - Infotainment Databus in Single Wire Operation
012 - Electrical Fault in Circuit - Intermittent
Freeze Frame:
Fault Status: 00101100
Fault Priority: 3
Fault Frequency: 3
Reset counter: 121
Mileage: 28897 km
Time Indication: 0
Date: 2000.00.00
Time: 01:07:31
01304 - Radio
004 - No Signal/Communication - Intermittent
Freeze Frame:
Fault Status: 00110100
Fault Priority: 2
Fault Frequency: 2
Reset counter: 121
Mileage: 28897 km
Time Indication: 0
Date: 2000.00.00
Time: 01:06:13
01044 - Control Module Incorrectly Coded
000 - -
Freeze Frame:
Fault Status: 01100000
Fault Priority: 1
Fault Frequency: 10
Mileage: 28897 km
Time Indication: 0
Date: 2000.00.00
Time: 01:06:09
Thank you!

Reply With Quote

---

corradokidg60 ○

Member

Join Date: May 13th, 2002
Location: San Francisco, CA
Posts: 1,845
Vehicles: '90 Corrado G60, '06 GTI

Re: Installing Volk-L bluetooth kit (Naokuphilip)   11-28-2008 06:13 PM   **Reply**   #24

I had to code my radio to include CAN-Phone control, code the telephone module and the CAN-bus. Then turn off the car, turn back on, clear all codes, turn off, then BACK on.... and all worked fine.
Give it a shot, might fix everything up! [IMG]http://****************.com/smile/emthup.gif[/IMG]

Reply With Quote

---

skateboy918 ○

Banned

GLI

Join Date: Apr 26th, 2008
Location: Boston, MA
Posts: 1,745
Vehicles: 07 Fahrenheit GLI
               (REVO K04)

Re: Installing Volk-L bluetooth kit (lamune)   11-28-2008 06:17 PM   **Reply**   #25

can you please detail what you put into mudule 77? I tried many things, none of which worked for me ($40/$21/$20) thanks!

Reply With Quote

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