
**EXAMPLE OF A
DOUBLE DIN (MONSOON)
INSTALLATION INTO A SINGLE DIN**

In this case, I used a 2003 double-din OEM Monsoon radio, and installed it in my 2000 Jetta, which originally had a single-din OEM radio. Please use this guide as an example, I am not responsible for any wrong wiring, nor for differences in the wiring harnesses. YOU should make sure that YOUR connectors match my example. If not, I would recommend downloading the wiring diagram of the radio that does not match and figuring out which connectors match the original ones. Use this guide at your own risk.

Please note that after following this installation (ten steps), the radio will work fine, but it will NOT turn on/off with the ignition key. You will need to manually turn on/off the radio each time. Also, the display will NOT dim with the rest of the instrument panel. It will be lit at a constant intensity, as will the instrument panel as long as the radio is on. If you know of a better way, please write me and I'll update this example and post it again.

Also, I would like to say that I am NOT a technician or professional installer, I'm just an enthusiast that got tired of looking for an online tutorial without success, and after researching on my own decided to put this guide myself so others could benefit from my experience.

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Step 1.

1.1 You will need to buy the "kit" for installing the double din into the single din. You can find all the necessary parts and tools in <http://www.enfig.com>, you will need:

- a. (2) sets of radio removal tools. (for future double din-removal)
- b. (1) Wire Harness for 1987-2003 Volkswagens (single-din radios)
- c. (1) Radio Wiring Harness VW 2003+ DD To install OEM Radio
- d. (1) Antenna Adapter For 1995-2002 Volkswagens Small (single-din radios)
- e. (1) Antenna Adapter VW 2003+ For DD OEM Radio.
- f. The new radio unlocking code. You can obtain this at your local dealer with your VIN and the new radio serial number (found on the side of the radio, it starts with "VW").

Step 2.

Insert two of the radio removal keys (a) on both sides of the single-din radio, as it is indicated in the instructions included with the keys. Once they "click" you can firmly pull them both and the radio will come out.



radio being pulled out with the removal keys



wiring and antenna connectors

Step 3.

Disconnect the radio and pull out the cables. Be very careful not to break or tear any cable.



wires and antenna cable

Step 4.

To remove the upper tray, firmly pull on it, and it will come out, it does not have any screws, only a clip in the back that unhooks with the right pressure.



removal of tray

Step 5.

Since I do not have a CD-Changer, I did not need any of these connectors. (single-din Connector I, see diagram). I removed the extra connectors to save space.



Step 6.

Insert the small single-din antenna adapter (d) into the end of the double-din antenna adapter (e).



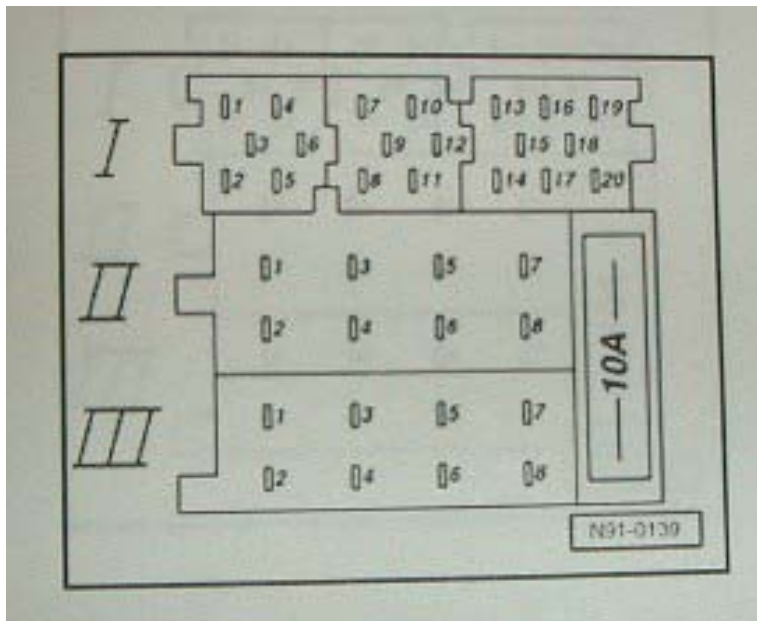
Step 7.

Plug the antenna cable to the end of adapters as shown.

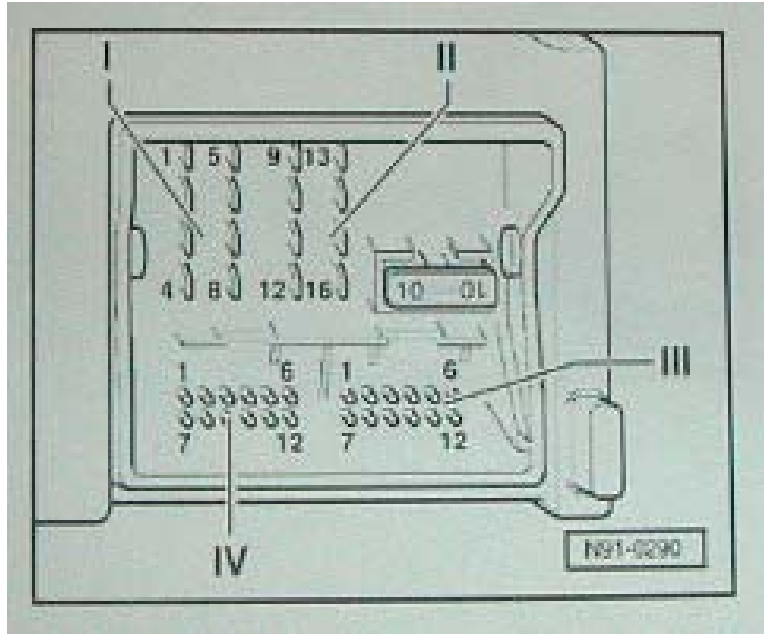


Step 8.

Use the chart below to connect the cables from the single-din wiring harness (b) to the double-din wiring harness (c). I'm also including copies of the original wiring diagrams of each model for reference (see appendixes). Please be careful when determining which side are you looking at of the harnesses.



single din RECEIVING connector (at radio)
wiring diagram



double din RECEIVING connector (at radio)
wiring diagram

Cross Wiring Diagram:

Please note that the single-din connector I, double-din connector III and double-din connector IV are not being used in this example.

Single Din	Description	Double Din (Monsoon)
Connector II (brown)		Connector I
1	Amp + right rear spk	1
2	Amp – right rear spk	5
3	Amp + right front spk	2
4	Amp – right front spk	6
5	Amp + left front spk	3
6	Amp – left front spk	7
7	Amp + left rear spk	4
8	Amp – left rear spk	8
Connector III (black)		Connector II
1	Anti-theft alarm system	16
2	NOT USED	X
3	NOT USED	X
4	Ignition Switch – S contact	14
5	NO USED	X
6	Illumination, terminal 58b	13
7	Battery, positive (B+) supply, terminal 30	15
8	Battery, negative (B-), ground supply, terminal 31	12



All wires and cables connected

Step 9.

Organize your cables (I used electrical tape) and push the harnesses and the extra cable back and out of the way, then push the radio until it clicks in place.



Radio installed.

Step 10.

When you turn the radio on, "SAFE" will appear in the screen and, after 3 seconds, "1000" will be displayed. Using the radio pre-set buttons 1 through 4, insert the unlocking code (f). Button 1 sets the first digit, button 2 the second, and so forth. Once the code is displayed, press the seek up button (^) until a beep sounds, and a radio station is displayed in the screen.

NOTE: If you don't hear the beep in over a minute, it means that you entered the wrong code or you made a mistake. You can repeat the procedure again ONE more time. If you don't enter the correct code in the second try, it will lock itself for one hour. You need to leave the radio ON for that hour and then try again. The process will start again and you will have two more tries, and a pause of one hour if you miss again. (this is what the VW manual says, I did not experience this)

If everything went well...

YOU HAVE SUCCESSFULLY COMPLETED THE INSTALLATION OF THE DOUBLE-DIN RADIO IN YOUR CAR. ENJOY!

(APPENDIXES REMOVED FOR FASTER DOWNLOAD)