

E46 Audio Information - This is a god-send.

It took me over a week of hands-on work to compile this list and information. I hope it serves some use to others as I would have killed to have this when I was working on my system. Here goes ..

The setup is (on an E46 4 door with non-HK) -

Left and Right 1.5" Tweeters in the doorframe, on the inside of the car pretty much next to your mirrors.

Left and Right 3.5" Mid-Range centered in the middle of the doorpanel

Left and Right .. now this gets weird. They are 120mm speakers which is roughly 6.7", and they are 3 screw'd with weird angles, so your option is to custom fit the panel or do what I did. Buy 5.25" speakers and clip out the plastic ring that held the original speaker in and secure it that way, it fits the whole speaker perfectly in the ring that was to hold the stock speakers in.

Left and Right 1.5" rear tweeters right behind each front seat, in the rear doors..

The front tweeter and the mid-range are on a crossover ..

Left and Right 120mm rear deck speakers, I didn't change these, so im not sure how to swap for aftermarket. I'm assuming 5.25" will be able to fit into the recess there securley without much modding.

The stock speakers held up nicelywith the power I was running to the from my JL 500/5 amp. They're not fragile.

Here is the best part now - It's a WIRING GUIDE for the factory head unit and amps. =0

my formatting got cleared to you can't read this as easily as before. =(

it's still useful though. and i hope it helps.

Radio Connector --

- 1 - yellow/red - left front +
- 2 - blue red - right front +
- 3 - yellow/black - left rear +
- 4 - black (not used)
- 5 - violet/white 12 volt switched (HU power line)
- 6 - blue/black - right rear +
- 7 - white / red - Not Used
- 8 - brown/orange - left front -
- 9 - red/green positive terminal battery connection
- 10 - white Not Used
- 11 - brown/orange - right front -
- 12 - brown/orange - left rear -
- 13 - grey/red illumination
- 14 - brown/orange - right rear -
- 15 - brown - ground
- 16 - white - remote amp turn on

Amp Connector -- The Connector is laid out as follows

13_21	__	34_42
12_20	__	33_41
11_19	__	32_40
10_18	__	31_39
09_17	__	30_38
08_16	__	29_37
07_15	__	28_36
06_14	__	27_35
_ 05	_____	26
_ 04	_____	25
_ 03	_____	24
_ 02	_____	23
_ 01	_____	22

- 1 - brown - rear left speaker -
- 2 - yellow - rear left speaker +
- 3 - blue/brown - front left woofer -
- 4 - blue/white - front left woofer +
- 5 - red/green - terminal 30 from fuse F41
- 6 - green - positive activation for subwoofer from HU
- 7 - white - subwoofer switched to sub amp pin 2
- 8 - blue/black - rear right + AF radio from HU
- 9 - blue - rear right - AF radio from HU
- 10 - white - antenna switching signal from HU

11 - blue/black - front right tweeter +
 12 - blue/brown - front right tweeter -
 13 - yellow - rear right tweeter +
 14 - blue/green - negative activation for subwoofer to sub
 amp pin 6
 15 - yellow/black - from spatial sound button on dash
 16 - brown/orange - rear right - AF radio from HU
 17 - brown/orange - front right - AF radio from HU
 18 - Not Used
 19 - black/green - speedometer signal to sub pin 7
 20 - black/white - speedometer output from instrument
 cluster control module
 21 - blue/yellow - rear right tweeter -
 22 - blue/brown - front right woofer -
 23 - blue/red - front right woofer +
 24 - brown rear - right speaker -
 25 - blue rear right speaker +
 26 - brown - ground to chassis
 27 - Not Used
 28 - Not Used
 29 - brown/orange - rear left - AF radio from HU
 30 - brown/orange - front left - AF radio from HU
 31 - yellow/black - rear left tweeter +
 32 - yellow/brown - rear left tweeter -
 33 - yellow/red - front left tweeter +
 34 - yellow/brown - front left tweeter -
 35 - Not Used
 36 - Not Used
 37 - yellow/black - rear left + AF radio from HU
 38 - yellow/red - front left + AF radio from HU
 39 - blue/white - front left mid-range -
 40 - white - front left mid-range +
 41 - blue/green - front right mid-range -
 42 - green - front right mid-range +

Subwoofer Amp --

6_7_8_9_10

1_2_3_4_5

1 - green - positive activation from amp pin 6
 2 - white - subwoofer switched from amp pin 7
 3 - Not Used
 4 - brown - ground to chassis
 5 - red/green - Terminal 30; power from fuse F41

- 6 - blue/green - negative activation from apm pin 14
- 7 - black/green - Speedometer output from amp pin 19
- 8 - Not Used
- 9 - Not Used
- 10 - Not Used

E39 2000 DSP Premium Sound connector information

The pinouts for the **15** pin connector are:

PIN - CONNECTION

- 1- Sub 1 +
- 2- Sub 2 +
- 3- LH Rear loudspeaker + (Touring LH rear speaker ground)
- 4- Radio on/antenna signal
- 5- RH rear loudspeaker + (Touring RH rear +)
- 6- Sub 4 -
- 7- Sub 3 -
- 8- Terminal 30 connects to Fuse 56
- 9- Sub 1 -
- 10- Sub 2 -
- 11- Touring LH rear +
- 12- Touring RH rear -
- 13- Sub 4 +
- 14- Sub 3 +
- 15- Terminal 31 connects to Ground Point

The pinouts for the **18** pin connector are:

PIN - CONNECTION

- 1- Not used
- 2- Low freq. negative (-) signal - Transceiver/charging electronics
- 3- Not used
- 4- Not used
- 5- I-bus Signal Line - Splice X18344
- 6- Not used
- 7- Not used
- 8- RH front speaker - Connects to Radio
- 9- LH front speaker - Connects to Radio
- 10-Not used
- 11 Low freq. voltage (+) signal - Transceiver/charging electronics
- 12-Not used
- 13-Telephone mute signal - Transceiver/charging electronics
- 14-Not used
- 15-Telephone ON signal - Transceiver/charging electronics
- 16-Not used
- 17-RH front speaker + - Connects to Radio
- 18-LH front speaker + - Connects to Radio

The pinouts for the **26** pin connector are:

PIN - CONNECTION

- 1- LH front woofer +

- 2- LH front woofer -
- 3- Not used
- 4- RH front mid-range -
- 5- LH front mid-range +
- 6- Not used
- 7- Not used
- 8- Not used
- 9- RH front mid-range +
- 10-LH front mid-range -
- 11-Right rear mid-range speaker/tweeter +
- 12-RH front tweeter +
- 13-RH front woofer +
- 14-LH front tweeter +
- 15 LH front tweeter -
- 16-Left rear mid-range speaker/tweeter -
- 17-Not used
- 18-Not used
- 19-Left rear mid-range speaker/tweeter +
- 20-Not used
- 21-Not used
- 22-Not used
- 23-Not used
- 24-Right rear mid-range speaker/tweeter -
- 25-RH front tweeter -
- 26 RH front woofer -