

How To: Replace the head unit - JBL system

Peugeot 406 D9 (pre-2002) JBL Audio Headunit Replacement

NOTE : 99% of this guide will suit the earlier D8 cars too. For example : If you don't have the brown Remote Stalk Connector under the steering wheel, then you need Autoleads PC99-X15 instead of PC99-X24.

Before we start, Autoleads Catalogue lives at <http://www.autoleads.co.uk/downloads/00WholeCat.pdf> - go grab it.

I'm using a Kenwood Headunit, so I got myself an Autoleads PC99-X24 / PC99-KEN combo to adapt the Steering Wheel Stalk controls. If you had an Alpine Headunit, you'd replace the PC99-KEN with a PC99-ALP, or a PC99-SON for a Sony etc. (the PC99-X24 is the car-specific part for the D9 semi-multiplex 406 and so remains constant).

You also need a Fascia Adaptor, to make a DIN-sized hole in the dashboard for your new Headunit to fit into. I used the Autoleads FP-04-02.

I can recommend <http://www.nexxia.co.uk/> as a supplier of Autoleads – they're cheap, and very helpful !

The 406-specific Autoleads parts can be obtained from http://www.nexxia.co.uk/head_unit_fitting_kits/Peugeot/406.htm

and the Headunit-specific Autoleads parts can be obtained from http://www.nexxia.co.uk/head_unit_fitting_kits/steering_control_adaptors.htm

NOTE : You don't need the Autoleads PC2-74-4 Harness Adapter, cos it's included within the PC99-X24. In addition to this, all the parts mentioned so far work perfectly with the 406 Coupe.

First thing you need to do, is remove the stock Clarion Headunit. There's a single hole on each side of the front panel – jam a thin screwdriver/needle/whatever into the holes, and jiggle around whilst pulling the Headunit out via the tape slot – it's easier if you free one side at a time.

Once it's loose, pull the unit out, and disconnect the Aerial plug, the two ISO blocks, and the third Screen/CDChanger/RemoteStalk connector (you'll never use this third connector again within this guide, so just forget about it.)

Now the standard Headunit is out, you can install your fascia adaptor.

The two side panels on the centre console need to come off, so you can get behind the Headunit to sort out the wiring.

Take out the screw right at the front of the panel, in the passenger footwell. Do the same in the driver's footwell.



The other screws are under the ashtray. Open the lid, and pull the whole assembly out. Carefully disconnect the bulb holder, and unclip the gear gator so you can move it out of the way. Take out the two side panel screws.



Now you can remove the two side panels. They just unclip, and need to be wiggled free. Once the panels have been removed, you need to remove the airduct pipes – again, they just unclip and pull off.



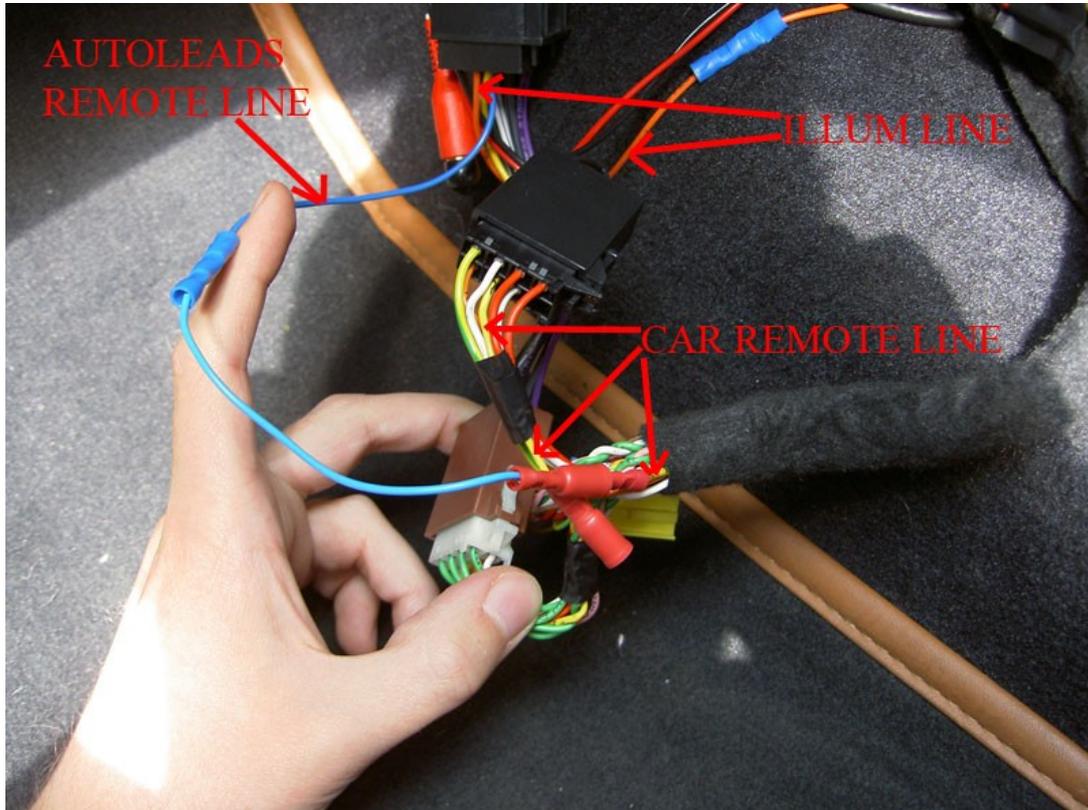
Drop the fuse box panel under the steering wheel (undo the three plastic clips with a coin), disconnect the brown Remote Stalk Connector, and plug the PC99-X24 into the plug you just disconnected.



Connect together all the parts of the PC99-X24, and you'll see the Headunit-end of the unit is simply an ISO male to female. So you'd think you could plug one end into the car, and the other end into your Headunit. But when you do this, you won't get any sound !

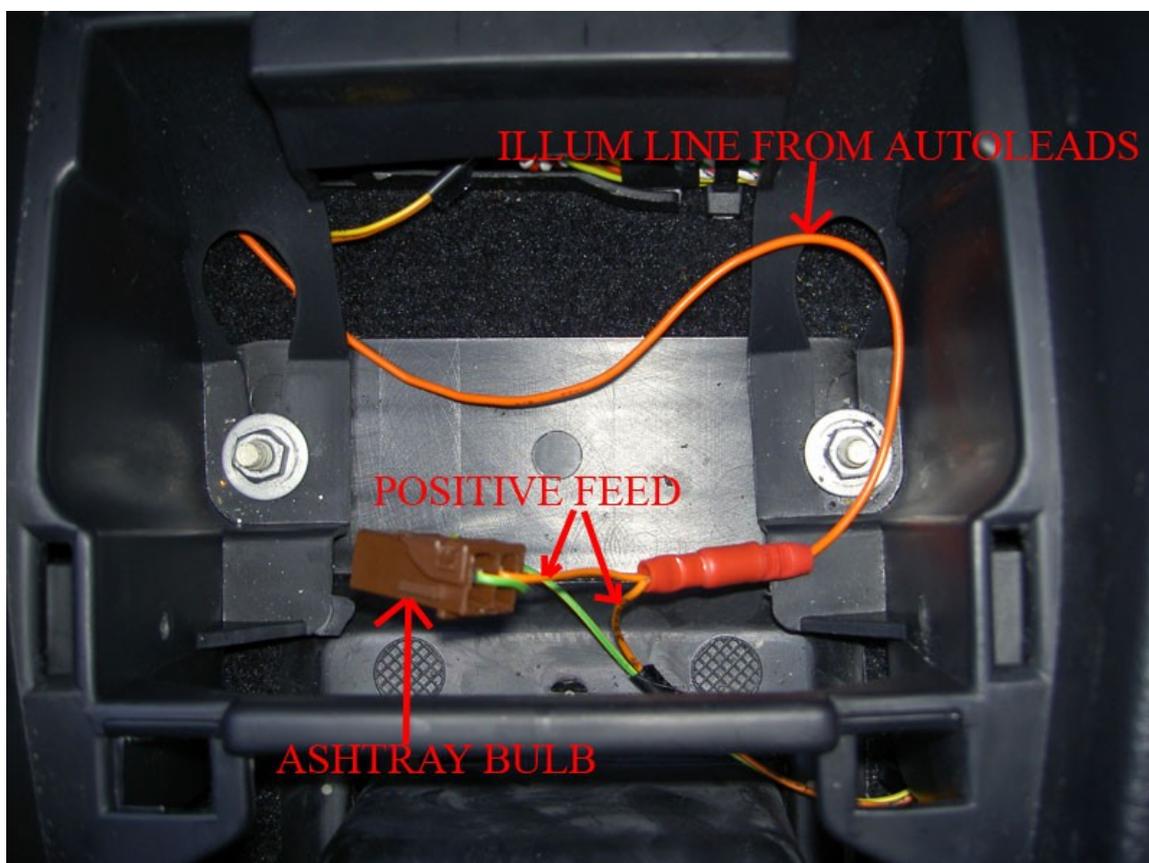
For reasons unknown, the Autoleads adaptor doesn't adapt either the REMOTE line (+12v when the Headunit is on, which turns on the boot-mounted amp) or the ILLUMINATION line (+12v when the lights are on, which switches your Headunit's display to Dim mode). So you'll need to connect these manually – the REMOTE line is the BLUE wire dangling from the Autoleads ISO block, and the ILLUM line is the dangling ORANGE wire.

Connect the Blue REMOTE line from the Autoleads ISO to the corresponding Yellow wire in the Car's ISO loom, as below



NOTE : There is more than one Yellow wire in the car's ISO loom ! As per the picture above, it's the second wire in, on the bottom row, looking at the wire-end of the car's ISO with the connecting latch on the right. If you look at the Headunit end of the Autoleads ISO, you can see which pin it should be connecting to. The spare red connector, underneath my Blue to Yellow join, isn't connected to anything – I put it on the bare end of the yellow wire, so I can easily reconnect it to the car's loom when I come to sell the car on.

You also need to connect up the Orange Illumination wire from the Autoleads ISO, so that your Headunit dims when the car's lights are on. I used the Orange positive feed from the Ashtray's bulb – it's easily accessible, and comes on with the lights.



So once you've got this far, you can sit your new Headunit into the fascia adaptor, and connect the two ISO blocks to it, along with the Aerial, and the Autoleads Remote connector.

Provided by 406 Coupe Club

<http://www.406coupeclub.org>

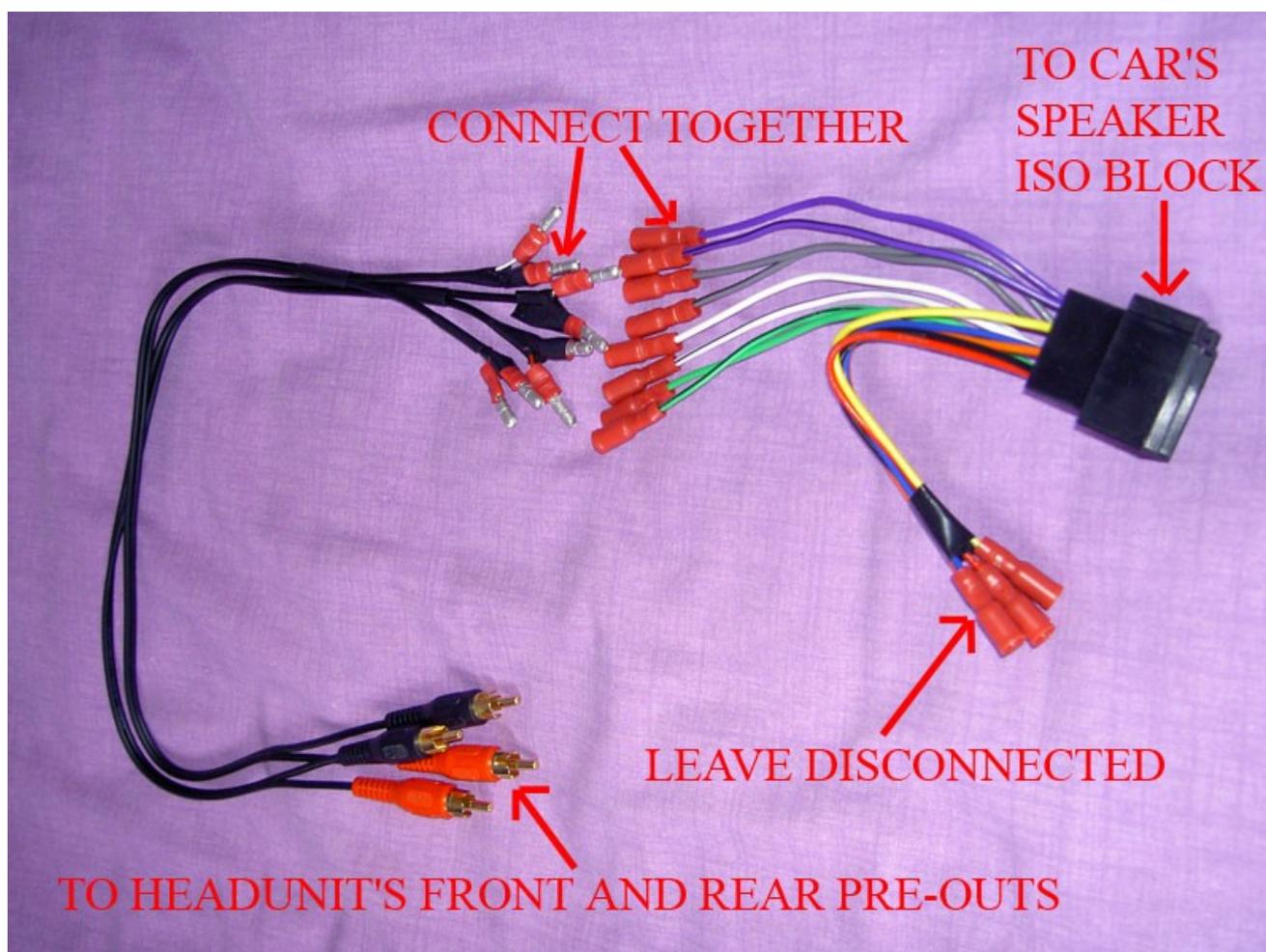
You should have the following done :

1. Brown stalk connector under steering wheel, disconnected, and plugged into Autoleads cable.
2. One end of the Autoleads ISO adaptor plugged into the back of your Headunit, and one end plugged into the car, leaving the car's Display/RemoteStalk/CDChanger connector disconnected. This also leaves you with spare Blue and Orange wires coming from the Autoleads ISO – the Orange should be connected to the Orange wire of the Ashtray bulb (so the Headunit dims when the lights are on), and the Blue wire should be connected to it's counterpart Yellow wire within the car's ISO block (so the amp in the boot, turns on when the Headunit does).
3. You should also have connected both the car's Aerial connector and the Autoleads Remote connector to your Headunit.

Turn the ignition key to position 1, and switch on your headunit. Everything should work ok. But, you'll notice at low volumes, there's a fair amount of hiss from the speakers. This is because your sound is being amplified twice – once by the Headunit, and once by the JBL amp in the boot.

I got round this, by making a simple Phono to ISO adaptor, so that I could connect my Headunit's Front and Rear Phono Pre-Outs to the car's ISO block (instead of having the headunit's speaker outputs connected to it). I bought an Autoleads PC2-36-0 (Female ISO connector to Bare Ends – and the bare ends are all labelled, so you know which is which !), and a couple of Phono cables, and stuck bullet connectors on each.

It looks like this :



Once the bullet connectors are plugged in, then I can connect the Headunit's Phono Pre-Outs to the Phono cables. Then once connected to the car's Speaker ISO, the JBL amp will receive line-level sound instead of speaker-level sound. It works great !

NOTE : The above adaptor is ONLY connected to the car's SPEAKER ISO. The car's second POWER ISO is left alone with the Autoleads adaptor plugged into it !

There's a forum thread about this guide at <http://www.peugeot406coupe.com/phpBB2/viewtopic.php?t=895> - you'll need to register with the forum (free) to see the thread !

If you get stuck, feel free to ask for help within the above thread.