1. **How to install the Speed Dependent Volume Control (SDVC)**
2. **How to enable stereo use without the car keys**
3. **How to install the VDO temperature sensor**

NOTE: It is always advisable to disconnect the battery before performing any maintenance that involves the cars electronics. Take car of hot hoses and the radiator when working in the front of the car! If in doubt please consult a professional. I take no responsibility for any damage that may happen to you or your car. This guide has been compiled for the 2.2 VX220.

Tools required:

- Stereo release tool
- Wire cutters or a sharp knife
- Cable (approx 1-2m)
- Insulating tape and/or wire splices
- VDO Dayton part # CA1301 - Temperature sensor £15
- VDO Dayton part # AC1101 - C2 feature adaptor cable (Required for temp sensor, parking distance and steering wheel remote) £5

Parts available from all VDO Dayton dealerships (there is a list of them on http://www.vdodayton.com)


Fig 1.

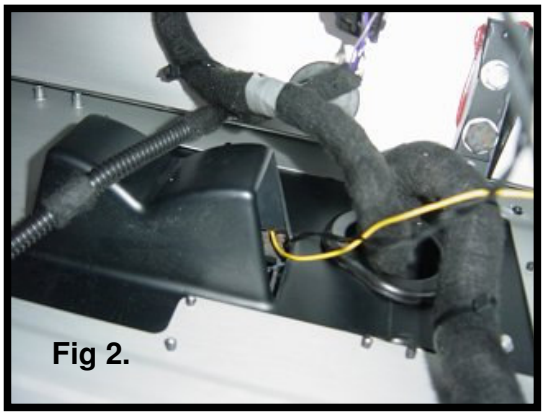
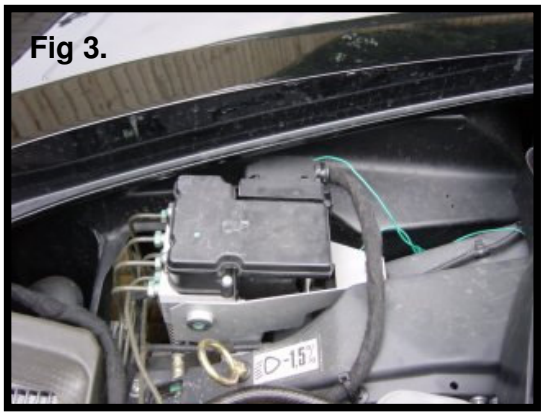


Fig 2.

1.1 Threading the wire through to the front of the car.
Using the stereo release tool ease the stereo from the dash. If you look into the hole in the dash and look down and to the left you should notice a small round hole in the metal under dash. Take the long piece of cable and pass it through the hole in the dash and thread it into the round hole. This may take a little time so you may prefer to attach the cable to a wire coat hanger so you can guide the cable to the hole. Now reach under the dash and pull some of the wire through. From inside the front bay under the bonnet you should see a black plastic covering. Take a thin strip of plastic are other material that can be used to wedge a gap under this and you should see it appear under the dash inside the car. (Fig1) Tape the wire securely to the object you inserted from the front and then

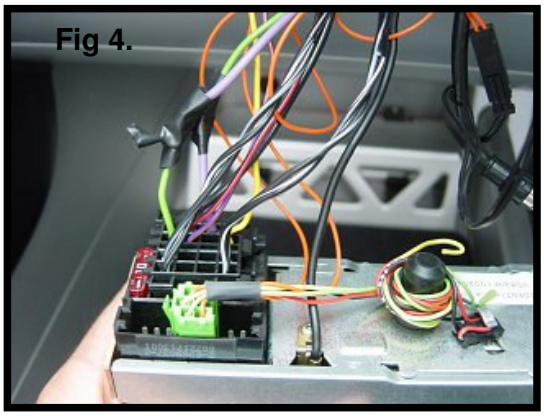
pull it through from the front of the car. Fig 2. shows the yellow cable as viewed under the dash. (Please note this becomes green once under the bonnet due to lack of cable length ;-)



1.2 Connection to the speed pulse wire.
On the front offside of the car you will find the electrics for the ABS system. Unplug this connector by pulling the release bar out. You will see lots of different cables, the cable numbers are written on the plug and on number 3 you will find the ABS out signal (tacho pulse) which goes to your dashboard speedometer. The cable is mostly yellow with some grey. As this is the output that goes to the speedometer it has no ill effects with the ABS or the speedometer.

1.3 Connection to stereo.
On the stereo end take you wire and insert it into the ISO plug at the back of the stereo on pin number 1. It is possible to wedge the wire into place so it should hold securely by itself.

1.4 Calibrate the speed setting. (Also available in full in the VDO manual)
Strictly speaking this takes two people! Reinsert the stereo in the dash and start the engine. Before switching the stereo on hold down the speed button and then press the power button at the same time. The stereo should now read CALIBRATION. Drive to 30mph and then hit the speed button, the display should now say CALIBRATE OK and then SDVC ON. You can then change the “INITIAL SETTINGS” to change the display to MPH or KPH and set the SDVC level, ie; how loud it gets (OFF, 1, 2, 3, and 4)



2.1 How to swap the two positive connectors on the stereo. (Fig 4)
This will allow your stereo to be used when the ignition is off and you can have it auto power off after one hour. There is a green wire next to the black earth wire which should provide a permanent 12 volts current, in the VX it is only live when the ignition is on. There is also a purple wire two holes along from the black wire that should be 12 volts from the ignition switch but this provides the permanent 12 volts. Simply swap over the green and purple connections by cutting and reconnecting using wire splices.

3.1 How to install the VDO temperature sensor
The cabling takes the same route as the speedpulse wire but the hole under the dash isn't big enough to take the sensor (Fig 5.) and the fixing with the screw hole. I just snapped off the fixing as I intended to tape the sensor in the front compartment rather than screw it. Fig 6 shows the front compartment circled yellow where the cable come in from under the dash and red where I fixed the temperature sensor. It's not the best place to put but it's quite far from any hot hoses or the radiator.