

PTCarPhone 3

Modifying the cable set, to get older PTCarPhone 3 systems ready for the headset solution

Under unfavorable circumstances, when using the headset solution with PTCarPhone 3 systems (PTCarPhone 3c systems are not affected), acoustic disturbances caused by the vehicle's electrical system might be perceivable as humming noises in the headset. A simple technical modification at the VDA connector of the

PTCarPhone cable set is necessary. This involves removing the thin black wire (GND of the second interface) from PIN 1 (vehicle ground) and adding it to PIN 7 (brown wire / speaker GND) of the VDA connector.

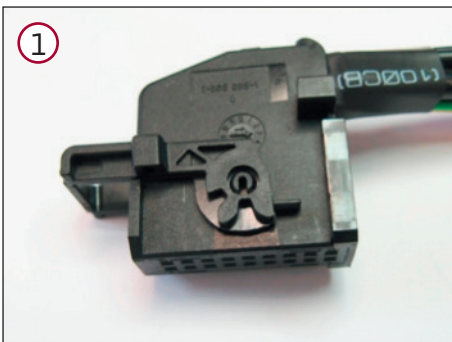
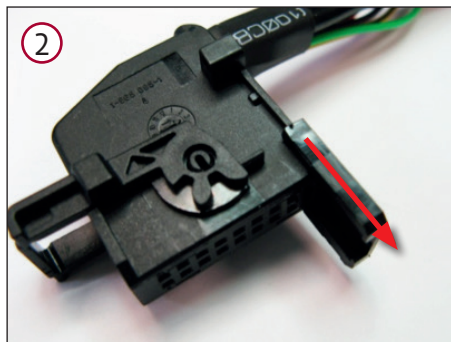
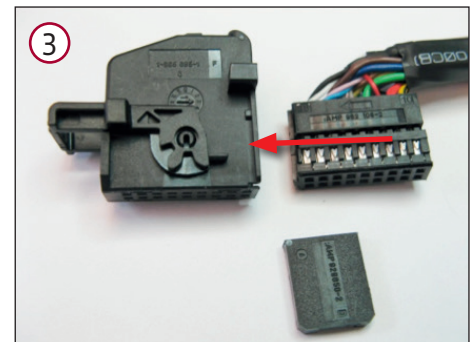


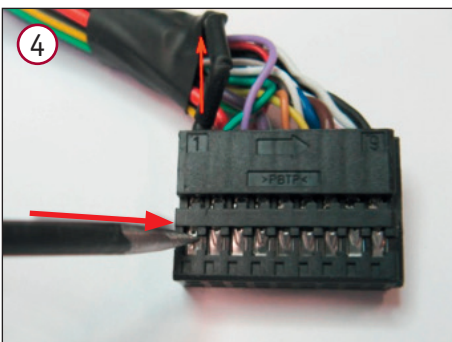
Figure: VDA connector of the cable set



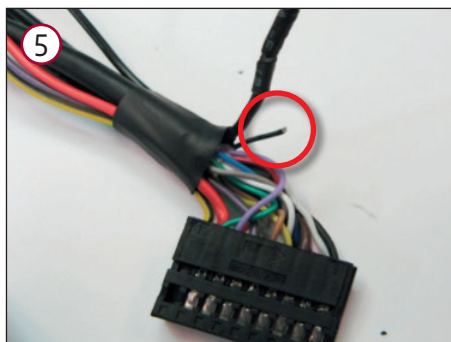
Slide the locking plate from the connector, like pictured above (careful, very tight!).



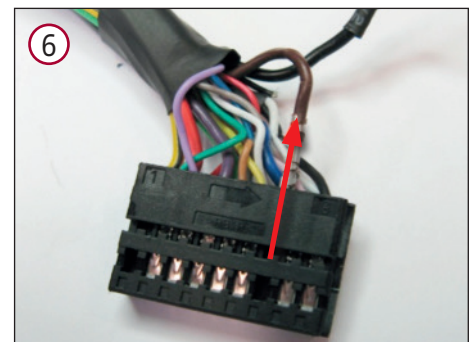
Remove the VDA connector housing.



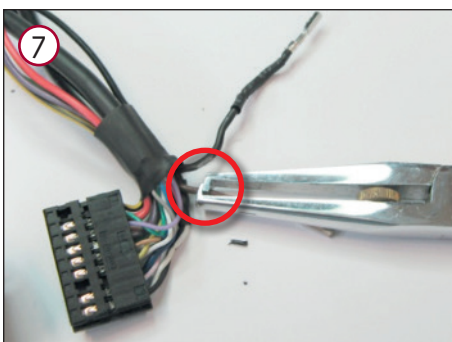
Press the locking spring at PIN 1 slightly and simultaneously pull out the thick black wire.



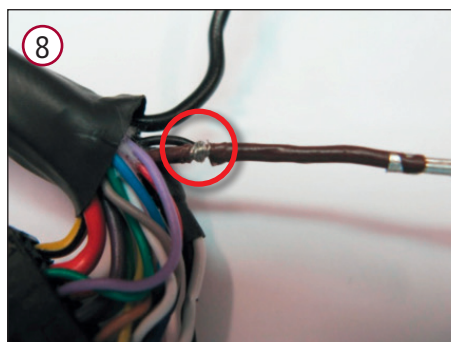
Cut off the thin black wire from the thick back wire using a wire cutter.



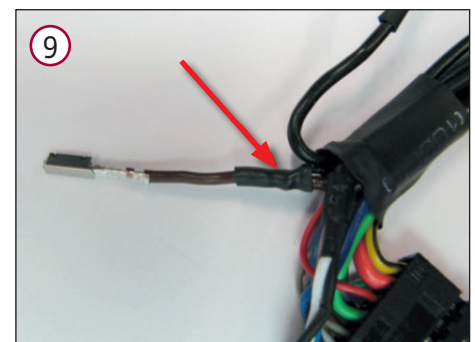
Remove the brown wire, as described in item 4, from PIN 7.



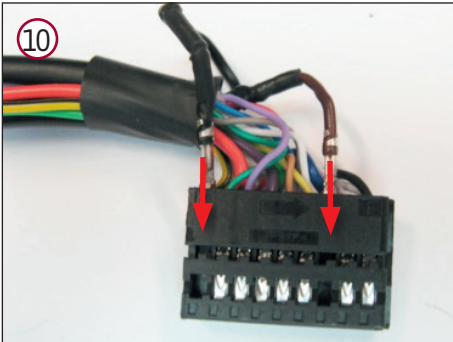
Strip off the insulation from the thin black wire and the brown wire at same height.



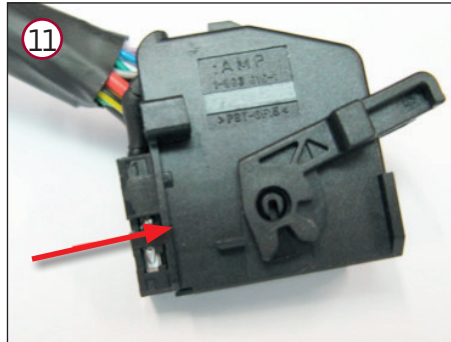
Join and solder the thin black wire up to the brown wire.



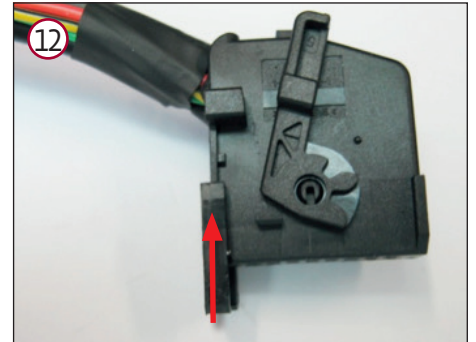
Insulate the solder joint thoroughly, for example, using a heat shrink tube.



10 Insert both wires back into the connector. Notice, that the thick black wire is inserted at PIN 1 and the brown wire is inserted at PIN 7.



11 Now push the VDA connector back into its housing.



12 Finally, slide the locking plate back onto the housing, until it clicks into place.