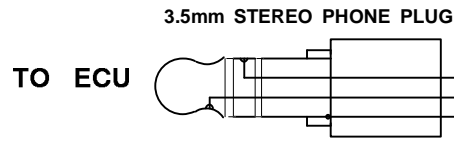
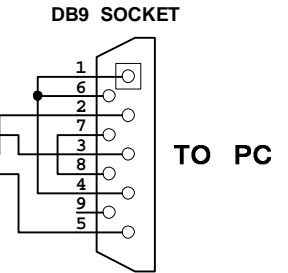
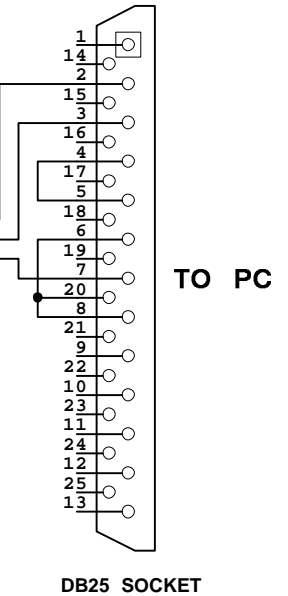


CABLE ASSEMBLY FOR
ECU TO 9 PIN PC RS232 PORT



CABLE ASSEMBLY FOR
ECU TO 25 PIN PC RS232 PORT



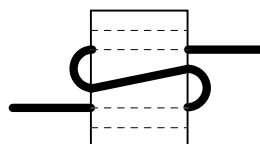
NOTES:- 1. RS232 Serial connection cable for connection from the ECU to a Personal Computer (PC). All ECUs connect via 3.5mm stereo socket. The ECU connection socket is located on the end of the ECU near the main connection for most models (including SM2, SM3, SM4 & EVO9 Plug-in). Plug-in ECU models EVO 4 thru 8 & WRX99-00, connect to an internal in-line fly-lead socket. The SMC ECU model has a fly-lead socket connection in the wiring loom, approximately 200mm from the main ECU connector.

2. PC RS232 Serial port connectors are either DB9 or DB25 types. Most common PCs have the DB9 type and require the DB9 cable assembly (standard lead supplied with ECU kits). Only very early model PCs require the cable with a DB25 connector (available on request). Desktop PCs without a RS232 Serial port can be updated by fitting an internal expansion card or an external USB to Serial adaptor. Some notebook computers that are without a port can be fitted with a PCMCIA card or Express port card. Otherwise use an external USB to RS232 Serial adaptor. Almost all of these adaptor types require a DB9 connector cable.

3. Standard cable length is 5 metres. Cable can be extended to more than 500 metres. Extended cables will reduce the maximum achievable communication data speed. Full speed capability of each ECU model can usually be achieved with a length of up to 50 metres.

4. If data communication disturbance occurs in electrically noisy environments, fit Ferrite split sleeve cores close to each end of cable. Use cores with sufficient internal hole diameter to allow cable to be passed through each core twice (ie: 2 turns per core). See diagram opposite.
Recommended Core specification: 1 turn core Impedance >100Ω @ 25MHz, >200Ω @ 100MHz.

Ferrite Split Sleeve
Core installation at
each end of cable



© Copyright

Aubert Electronics Pty. Ltd.
Victoria Australia



Title: RS232 Serial Data Cables

Approved by: RWA

Date: 25-Jun-14

Size: A4

Document No:

Sheet 1 of 1

Revision: 2.0