

How to Make & Fit Your Own PDA Data Logging Cable

Mitsubishi MPI/ECU Diagnostic Cable

These instructions are for the construction and use of a simple PDA serial to MPI/ECU data cable.

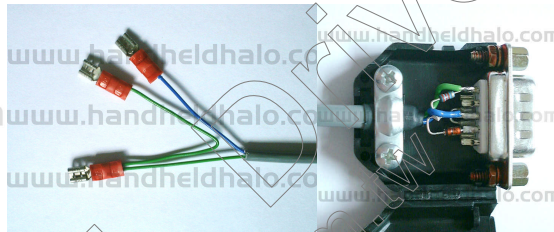
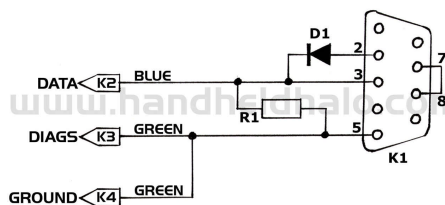
Tools

Soldering iron
Screwdriver
Wire Cutters
Crimping tool or pliers

Parts List

Reference	Qty	Description	Sample Order Code
D1	1	1N4148, Signal Diode	QL80B
R1	1	2K2 0.25W 5%, Metal Film Resistor	G2K2 or M2K2
K1	1	9 Way D-Type Plug	RK60Q
	1	9 Way D-Type Hood	KE94C or FP27E
	1	D-Type Jack Posts	FP31J
K2,3,4	3	Miniature Spade Connector	AS34M
	1	Multi-Core Cable (1 to 2m)	XR25C

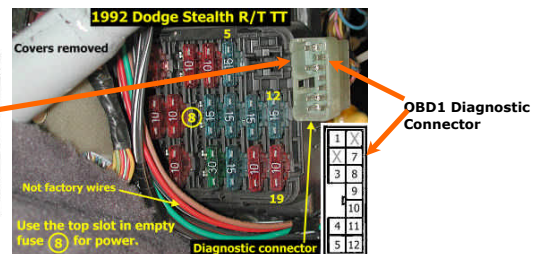
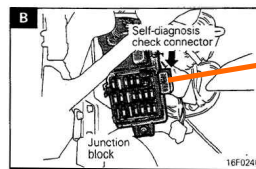
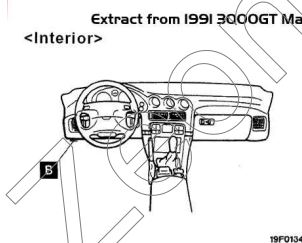
[① The sample order codes above from www.maplin.co.uk are for guidance only.]



Build Instructions

Using the reference diagrams above;

- 1) Solder D1 between pins 2 and 3 of K1, with the striped end on pin 3.
- 2) Solder R1 between pin 5 of K1 and the striped end of D1.
- 3) Solder wire link between pins 7 and 8 of K1.
- 4) Solder Blue wire to pin 3 of K1.
- 5) Solder Green wire to pin 5 of K1.
- 6) Fit Jack Posts to K1.
- 7) Fit D-Type Hood to K1.
- 8) Fit crimp K2 to Blue wire.
- 9) Fit crimp K3 to a short length (50 - 80mm) of Green wire.
- 10) Fit crimp K4 to both Green wires



Fitting Instructions

Using the location and layout diagrams above (ignore fuse box annotation);

- 1) Connect K2 (BLUE) to pin 1 of the diagnostics connector.
- 2) Connect K3 (GREEN) to pin 10 of the diagnostics connector.
- 3) Connect K4 (GREEN) to pin 12 of the diagnostics connector.

[① The link wire between K3 and K4 puts ALL the ECUs into diagnostic mode. Most ECUs will happily run in this mode, with the exception of the ABS. The ABS light will stay lit on the dash to show it is disabled while in diagnostic mode. For safety reasons bear this in mind if you drive the vehicle when the cable is

Disclaimer

A cable made, fitted and used in accordance with the supplied instructions has successfully been used to diagnose faults on a 1991 Mitsubishi GTO Non-Turbo. However, please note you make and use this cable at your own risk. We accept no liability for loss, damage or injury as a consequence of using this cable and/or software. We consider the instructions as provided to be self-explanatory, therefore no additional technical support is provided.