



SPECIFICATION

- * Cores manufactured to ISO 6722-1:2011 (Class 105°C).
- * Plain Copper Conductors to BS EN 60228:2005 - PVC Insulated.
- * Single core suitable for use at temperatures from -40°C to 105°C with excursions up to 120°C.
- * UL Approved Adhesive lined heat shrink UL 224 VW-1.
- * Harnesses with anti-abrasion braided sleeve Operating Temperature Range: -50°C to 150°C, Melt Point: 250°C +/-5 Tensile Strength: 100,000 PSI Flammability rating VW-1 Flame retardant and halogen Free.
- *Shielded cables Operating temp. 0 deg.C to +70 deg.C. Manufactured to MOD Def Stan 61-12 Part 4.
- *Shielded STAGE 2 AND TD5 TE/RAYCHEM AEROSPACE M/ML SERIES

All our wiring harnesses are hand made in the UK all our cable is UK made and all components where possible are UK sourced.

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Thank you for purchasing our TD5 standalone wiring solution.

With a few simple steps and a little care and attention these harnesses will offer a long reliable service life and are covered by a 2-year return to base warranty.

These harnesses will run a Td5 engine with 3 wires however more are included for a more complete installation you can find below some helpful information.

Wire abbreviations.

- WHITE/GREEN CABLE LABELED IGN-POS2 TO BE CONNECTED TO THE POSITION 2 IGNITION CURCUIT (ADVISED TO BE FUSED WITH A 10A FUSE). THIS CABLE POWERS UP THE ECU AND ALSO STOPS THE ENGINE WHEN 12V IS REMOVED FROM IT.
- WHITE/GREEN CABLE LABELED IGN-POS2 ALT TO BE CONNECTED TO THE IGNITION POSITION 2 CURCUIT TO EXCITE THE ALTERNATOR CHARGING CURCUIT. (ADVISED TO BE FUSED WITH 10A FUSE).
- BROWN/YELLOW CABLE LABELED BATT LAMP PROVIDES A GROUND TO A BULB OR LED TO INDICATE CHARGING STATUS OF THE ALTERNATOR.
- GREEN/BLUE CABLE LABELED TEMP PROVIDES ENGINE COOLANT TEMP FROM THE ENGINE ECU TO A DEFENDER TD5 COOLANT TEMP GUAGE, (NOTE ECU MUST BE PROGRAMMED WITH DEFENDER SOFTWARE VARIANT WITH NANOCOM OR SIMILAR).
- RED/SLATE CABLE LABELED MIL LAMP ENGINE MALFUNCTION INDIACATOR LAMP PROVIDES A GROUND TO A BULB OR LED.
- BROWN/WHITE CABLE LABELED OIL LAMP, OIL PRESSURE WARNING LAMP PROVIDES A GROUND TO A BULB OR LED WHEN LOW OIL PRESSURE IS PRESENT
- BLACK/YELLOW CABLE LABELED GLOW LAMP, ENGINE PRE HEATER PLUGS PROVIDES A GROUND TO A BULB OR LED WHEN HEATER PLUGS ARE OPERATING
- BROWN/ORANGE PAIR OF CABLES LABELED BATT+ CONNECT DIRECTLY TO 12V VEHICLE BATTERY POWER, ALTHOUGH THESE CURCUITS ARE FUSED AT THE RELAY HOLDERS ON LONG CABLE RUNS IT IS ADVISED EACH OF THESE CABLES ARE FUSED WITH A 30A FUSE PER CABLE.
- BLACK CABLE LABELED BATT- CONNECT DIRECTLY TO BATTERY NEGATIVE OR GOOD CHASSIS GROUND
- TPS- THROTTLE PEDAL
- OBD- DIAGNOSTIC CONNECTOR
- CLUTCH SW- CLUTCH SWITCH

- WHITE/PURPLE CABLE EXITING RELAY HOLDER POWER TO FUEL PUMP

Engine harness

TEMP- COOLANT TEMP SENSOR
INJ 1-5- FUEL INJECTORS
ALT- ALTERNATOR
MAP- MANIFOLD ABSOLUTE PRESSURE
F-TEMP- FUEL TEMP
CKP- CRANK POSITION SENSOR
OIL P- OIL PRESSURE SWITCH
AAP- AMBIENT AIR PRESSURE
MAF- MASS AIR FLOW

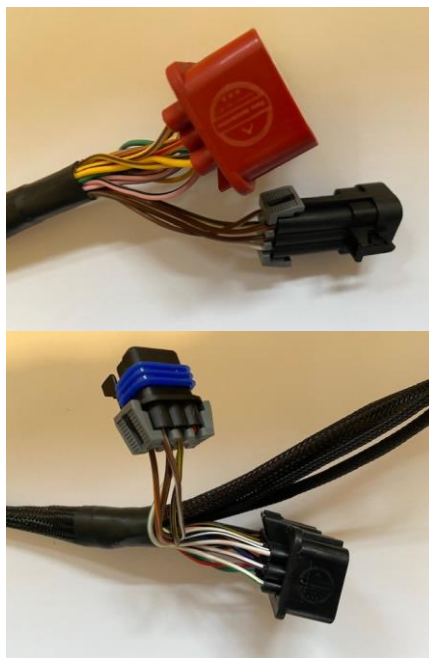
OPTIONAL GLOW PLUG HARNESS

Should you have chosen to include additional glow plug wiring the 4 way glow plug manifold connects directly to the glow plugs this is a tight fit and a little grease may be beneficial to aid installation.

Glow plug relay power cables the RED/BLACK AND BLACK cables exiting the relay holder both of these cables are to be connected directly to 12v battery power it is advised to fuse these cables with 1 60a fuse.

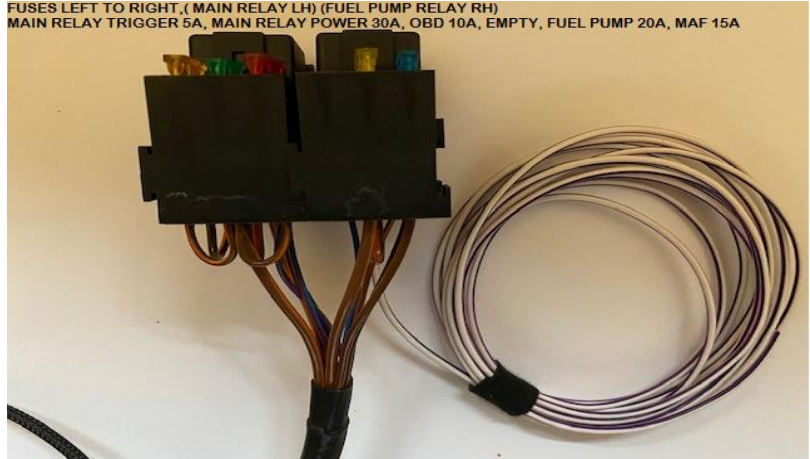
ENGINE AND BODY HARNESS COMBINED

Exiting the harness at the Black and Red ECU connectors you will find either a 6 or 4 way connector depending on application these are to be connected together shown below. If you have purchased only a TD5 STANDALONE body harness these cables are not fitted.



RELAY HOLDERS AND FUSES.

FUSES LEFT TO RIGHT, (MAIN RELAY LH) (FUEL PUMP RELAY RH)
MAIN RELAY TRIGGER 5A, MAIN RELAY POWER 30A, OBD 10A, EMPTY, FUEL PUMP 20A, MAF 15A



PLEASE BE AWARE FOR A RELIABLE LONG LASTING TROUBLE FREE INSTALLATION IT IS PARAMOUNT THAT WIRING IS SECURLY ATTACHED TO AVOID UNDUE ABRAISION AND IS ROUTED AWAY FROM DIRECT HEAT SORCES SUCH AS TURBO CHARGERS AND EXHAUSTS.

THESE WIRING HARNESS ARE DESIGNED TO RUN WITH IMMOBILISER FREE ENGINE ECUS OR USING OUR IMMOBILISER CODE GENERATOR.

PACE AUTOMOTIVE