

Telephone:  
Fax:  
VAT Registration No.:

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**NOTE: Trouble codes must be erased after completion of ECM tests. Refer to Self-diagnosis section.  
Due to small size of ECM harness multi-plug pins it is advisable to use a breakout box.**

|            |                 |                 |
|------------|-----------------|-----------------|
|            |                 |                 |
| 8 & earth  | Ignition ON     | 9 V min.        |
| 23 & earth | Ignition ON     | Battery voltage |
| 38 & earth | Ignition ON     | Battery voltage |
| 32 & earth | Engine cranking | 8 V min.        |

**NOTE: Engine control relay must be fitted and working correctly in order to carry out supply voltage checks.**

- Ensure ignition switched OFF.
- Disconnect ECM multi-plug.
- Connect breakout box to ECM harness multi-plug.
- Switch ignition ON.
- Check voltage between breakout box terminals and earth.
- Briefly crank engine.
- Check voltage between breakout box terminal and earth.
- If voltage not as specified: Check wiring, fuses and relays.

|           |      |
|-----------|------|
|           |      |
| 1 & earth | Zero |

- Ensure ignition switched OFF.
- Disconnect ECM multi-plug.
- Connect breakout box to ECM harness multi-plug.
- Check resistance between breakout box terminal and earth.
- If resistance not as specified: Check wiring.

