

E24-P1 Harness

Products that can use this harness

- Orion2, Orion, Saturn, Pluto, Venus, Titan

History

- This old style Level 1 harness was part of the economy series and some people still prefer them today to save on expenses. The harness contains most ECU connections from the 12 Way Connector for most engine combinations. It does not have the Cam Home signal wires. The manual is not based on this colours. Look at the GP Priority layout for the correct wire colours.

Design Points to take Notice of.

- It has only the Crank TDC signal and not the CAM Home which is required for Full Sequential features or certain types of sensors like 24+TDC firmware. Make sure on the engine setup and firmware before you buy this harness.
- TPS, Air and Water sensors also share a shielded wire. Take the shielded part as close to the sensors as possible. They share common earth wires. Solder these connections and insulate them properly.
- All the input wires are shielded and is earthed on the ECU side with the small black lead that must be connected to the ECU earth. Never connect a shield on the engine or chassis of the car.

Wire Names and connections on this harness:

Crank (Shielded) contains:

- Crank Sensor (Blue)
- Crank Sensor Reference Power (Red)
- Earth (Black)

Map (Shielded)

- Map Sensor (Blue)
- +5V (Red)
- Earth (Black)

Engine (Shielded)

- Water Temperature Sensor (Green)
- Air Temperature Sensor (Yellow)
- TPS Sensor (Blue)
- +5V (Red)
- Earth (Black)
- Earth (White)

Lambda (Shielded)

- Lambda Sensor (Red)
- Earth (Blue)

Ignition Power (Red)

TPS Output signal for TCU or other systems (Yellow)

Earth Wire for Screens and sensors (Black)

See the design drawing for thickness and lengths of wires. See the connection drawings in the specific product manual on how to connect the harness to each item it was designed for.

NB! Wires that are not connected must be isolated to prevent shorts or interference.