

# **T01-P1 V2 Harness**

## **Products that can use this harness**

- Mercury and Mercury2

## **History**

- This old style Level 1 harness was part of the economy series for Mercury and some people still prefer them today to save on expenses. The harness contains most TCU connections from the 12 Way Connector for most transmission combinations.

## **Design Points to take Notice of.**

- This harness is used with ECU applications where the RPM and TPS wires is spliced into the ECU inputs. They are not shielded and must be connected close to the ECU.
- 2 Oil temperature sensor wires are enclosed in one shield. They share a common earth wire. Some firmware will use one wire and some firmware will use the other. This is determined by the sensor value for each firmware to read as accurate as possible. On each transmission connection drawing is specified which harness and sensor connection is required. Consult the manual for more information.
- All the input wires are shielded and is earthed on the TCU side with the small black lead that must be connected to the TCU earth. Never connect a shield on the transmission or chassis of the car.

## **Wire Names and connections on this harness:**

**Speed** (Shielded) contains:

- Speed Sensor (Blue)
- +12V Ignition (Red)
- Earth (Black)

**Oil** (Shielded)

- Oil Temperature Sensor 2K (Blue)
- Oil Temperature Sensor 10K (Red)
- Earth (Black)

RPM Input (Green)

TPS Input (Yellow)

Shifter Sensor (White)

Optional Input (Blue)

Ignition Power (Orange)

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.