X05 TxW Harness Overview

Products that can use this harness

- Mercury2

History

- This new style Level 2 harness was developed for Mercury2 to save install time and minimise fault-finding afterwards. The harness contains all TxW connections from all of the Connectors and will serve most TxW combinations.
- This harness is designed to use with ECU systems. It has the RPM and TPS wires un-shielded to connect directly to the ECU signals. On Spitronics ECU's there is already wires included in the loom with the same colours where it must be connected. On OEM ECU's you may need to splice into their signal wires.
- It is the recommended Wire and Play loom that has the relay and fuse pre-wired in the loom. No need for extra power wires etc. It is designed to contain all the TxW connection wires so that all connection options on any throttle and pedal are possible. The manual is also based on this harness structure for wire colours and placement.
- Diodes and resistors for decoupling and pull-ups are already built into this harness.

Design Points to take Notice of.

- It comes with PVC sleeving and heat shrink to dress up upon final installation. You will still need the connectors of the throttle and pedal as this is an universal harness. It is not Plug and Play.
- This harness comes with a Mechanical relay that are wired according to TxW requirements. The Relay has a Inline Fuse for protection.
- All the input wires are shielded and is earthed on the TxW side with the small black lead that must be connected to the TxW earth. Never connect a shield on the Engine or chassis of the car.

Wire Names and connections on this harness:

Pedal TPS (Shielded) contains:

- TPS Signal (Blue)
- +5V (Red)
- Earth (Black)

Throttle (Shielded)

- Throttle Motor Positive (Red)
- Throttle Motor Negative (Black)

Ignition Power (Orange)
TPS input signal (Yellow)
RPM input signal (Green)
Water Temperature Sensor (Blue)
BAT+ 1xRed
Earth Wire for Screens and sensors (Black)
1x Relay Set of wires (4)

See the design drawing for thickness and lengths or wires.

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