

Servo Sub Installation Instructions

The Servo Sub can be connected into the motorcycle wire harness in one of two ways.

- Utilizing connectors that connect and disconnect easily.
- “Permanently” connecting the Servo Sub to the motorcycle wire harness.

Utilizing connectors that connect and disconnect easily:

- Use existing servo & wire harness connectors (Example 1), or
- User-supplied mating connectors (Examples 2 & 3).

To “permanently” connect the Servo Sub to the motorcycle wire harness:

- The wire harness connector is removed and the Servo Sub is then directly wired to the harness (Example 4).

Connection Utilizing Existing Servo & Harness Connectors (Example 1)

1. Using wire cutters, cut the five wires coming from the servomotor assembly 6 to 8 inches (15 to 20 cm) back from the connector(s) end.
2. Using the enclosed ‘wire-taps’ or user-supplied solder connections with heat shrinkable tubing, connect the Servo Sub wires to the servomotor connector(s) wires as depicted in Example 1.
3. See ***Wire Tap or Solder/Heat Shrink Instructions***.

Connection Utilizing User-supplied Mating Connectors (Examples 2 & 3)

1. Using wire cutters, remove the two wire harness connectors shown in figure 1, cutting the wires as close as possible to the connectors, thus providing you with the maximum available wire length to work with.
2. Following connector *manufacturer instructions, configure wire interconnection per Example 2 if all five wires are used in one connector pair or per Example 3 if individual connector pairs are used for each wire.
3. Inject silicone dielectric grease (available at most auto parts retailers) into connectors before final assembly. Doing so will then provide a moisture barrier for the connector contacts.

*Sealed automotive/motorcycle type connectors are recommended.

“Permanent” Connection (Example 4)

1. Using wire cutters, remove the two wire harness connectors shown in figure 1, cutting the wires as close as possible to the connectors, thus providing you with the maximum available wire length to work with.
2. Using the enclosed ‘wire-taps’ or user-supplied solder connections with heat shrinkable tubing, connect the Servo Sub wires to the servomotor connector(s) wires as depicted in Example 4.
3. See ***Wire Tap or Solder/Heat Shrink Instructions***.

Wire Tap Instructions



Insert wires into any two open positions. Insert wires until visible through plastic at back of connector. Squeeze with pliers.

DONE!

Solder/Heat Shrink Instructions

Slip the heat shrink tubing onto the Servo Sub wires and slide them up next to the Servo Sub body (this is done to prevent premature shrinking due to solder iron heat).

Strip wire ends and solder/configure wires per applicable Example (1-4). Slide heat shrink tubing over the soldered connection and heat tubing to cause tube to 'shrink to fit'.

Motorcycle Harness Connectors

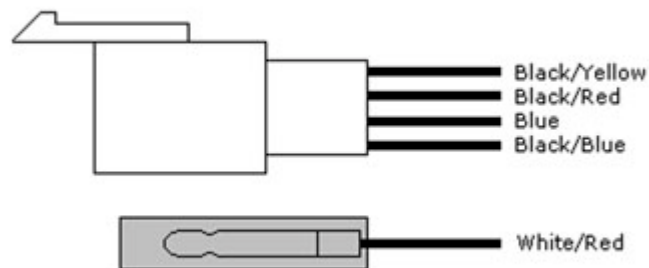


Figure. 1

