1M23N29901

Futaba

Electronic Switch Harness

ESW-1J/ESW-1D

Instruction Manual

Thank you for purchasing the Electronic Switch Harness. This switch connects a Futaba receiver to a battery and is turned on and off in an FET circuit. Compared to using a mechanical switch, it allows more current to be sent with less loss. After reading this manual, store it in a safe place for future reference.

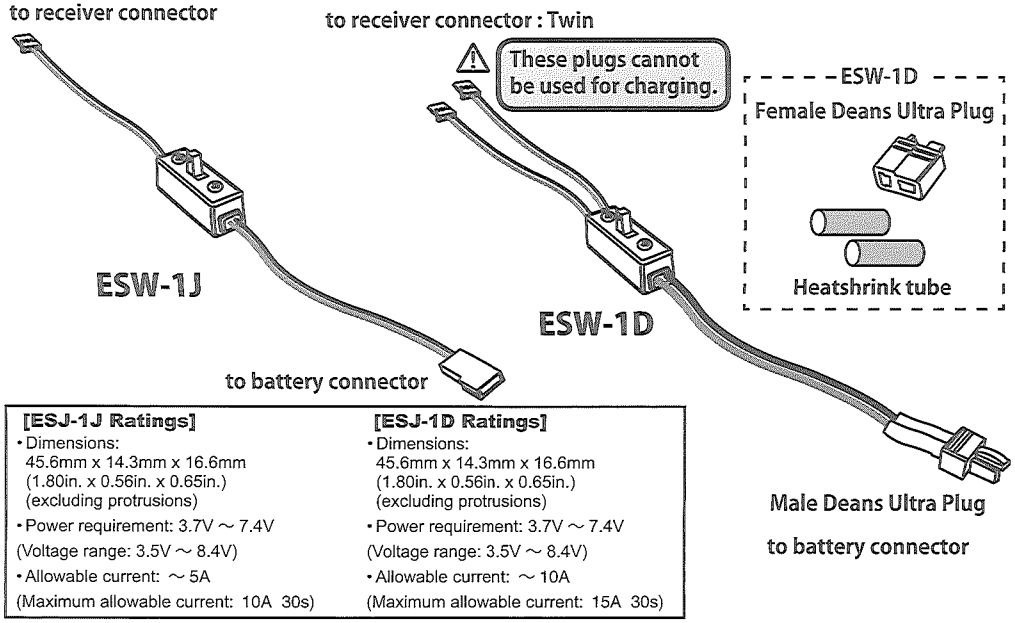
Precautions

⚠ WARNNG

- **When the model is not being used, always remove or disconnect the battery.**
  - When the switch is off, a slight amount of current still flows. Unless the switch and battery are disconnected, the battery will be damaged from excessive discharge.
- **Always make sure that the switch harness is firmly attached to the fuselage of the model.**
  - There is the danger of loss of control and crashing if the connector is disconnected by vibration and shock.
- **Do not charge the receiver battery through the switch harness. Disconnect the receiver battery and charge to the manufactures instructions.**
  - There is no charge connector in this switch.
- **Never reverse the battery polarity.**
  - Reverse connection will immediately destroy the receiver, servo, etc.
- **Ensure that the unit is mounted in an area that will eliminate exposure to fuel, water and vibration.**
  - As with any electronic components, proper precautions are urged to prolong the life and increase the performance of the ESW-1J/ESW-1D.
- **Allow a slight amount of slack in the cables and fasten them at a suitable location to prevent any damage from vibration during flight.**
- **Never solder the ESW-1J/ESW-1D or attempt to repair, deform, modify or disassemble them.**
- **Do not use the ESW-1J/ESW-1D with anything other than an R/C model.**

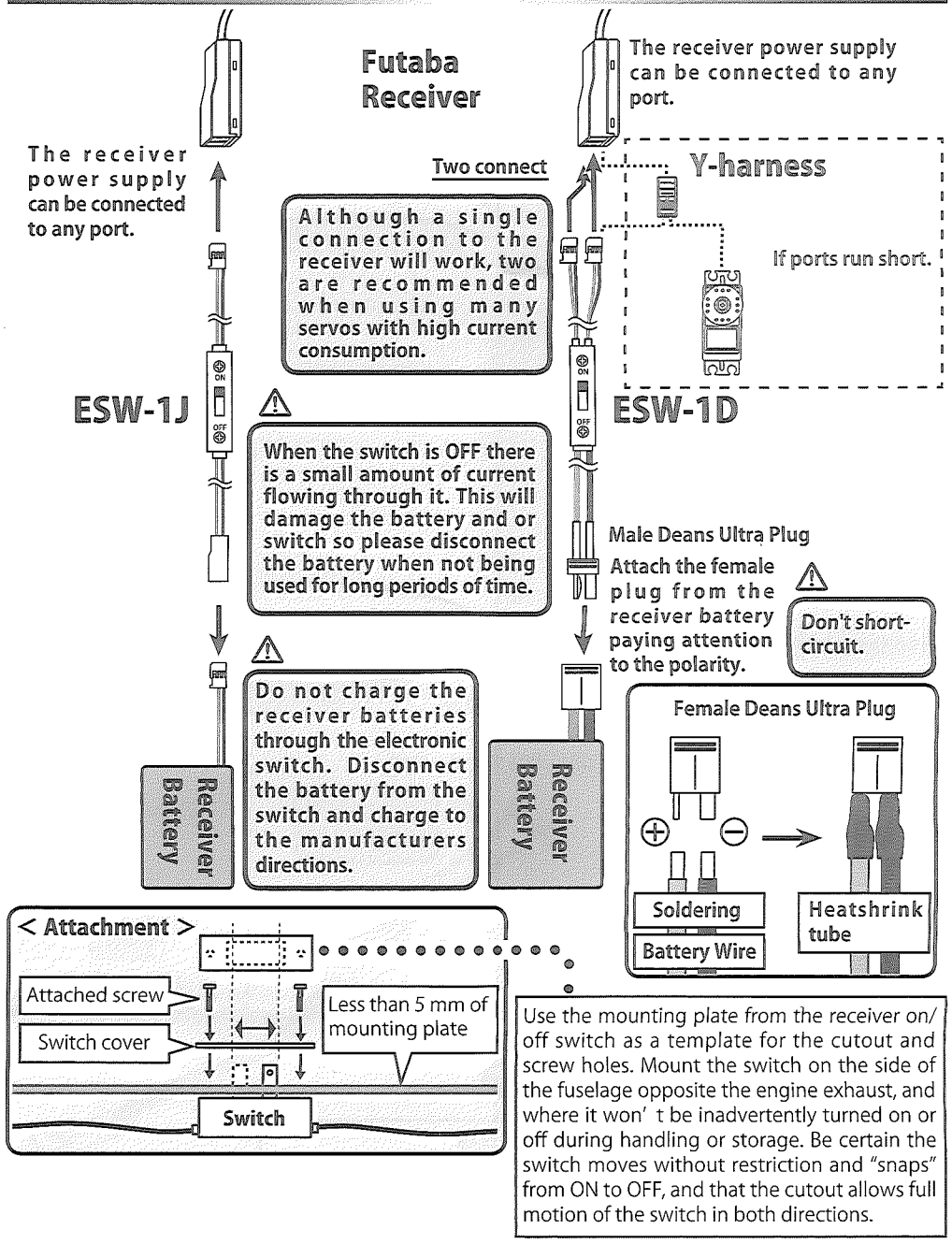
Futaba Corp. will not be responsible for damage caused by combination with other than genuine Futaba parts.

Name of Each Part



[ESJ-1J Ratings]	[ESJ-1D Ratings]
• Dimensions: 45.6mm x 14.3mm x 16.6mm (1.80in. x 0.56in. x 0.65in.) (excluding protrusions)	• Dimensions: 45.6mm x 14.3mm x 16.6mm (1.80in. x 0.56in. x 0.65in.) (excluding protrusions)
• Power requirement: 3.7V ~ 7.4V (Voltage range: 3.5V ~ 8.4V)	• Power requirement: 3.7V ~ 7.4V (Voltage range: 3.5V ~ 8.4V)
• Allowable current: ~ 5A (Maximum allowable current: 10A 30s)	• Allowable current: ~ 10A (Maximum allowable current: 15A 30s)

Connections



Use the mounting plate from the receiver on/off switch as a template for the cutout and screw holes. Mount the switch on the side of the fuselage opposite the engine exhaust, and where it won' t be inadvertently turned on or off during handling or storage. Be certain the switch moves without restriction and "snaps" from ON to OFF, and that the cutout allows full motion of the switch in both directions.

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