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TRAIL CAR BATTERY R/C
 DIY INSTALLATION KIT FOR TRAIL CAR USE.

RCS has three trail car battery R/C installation kits.

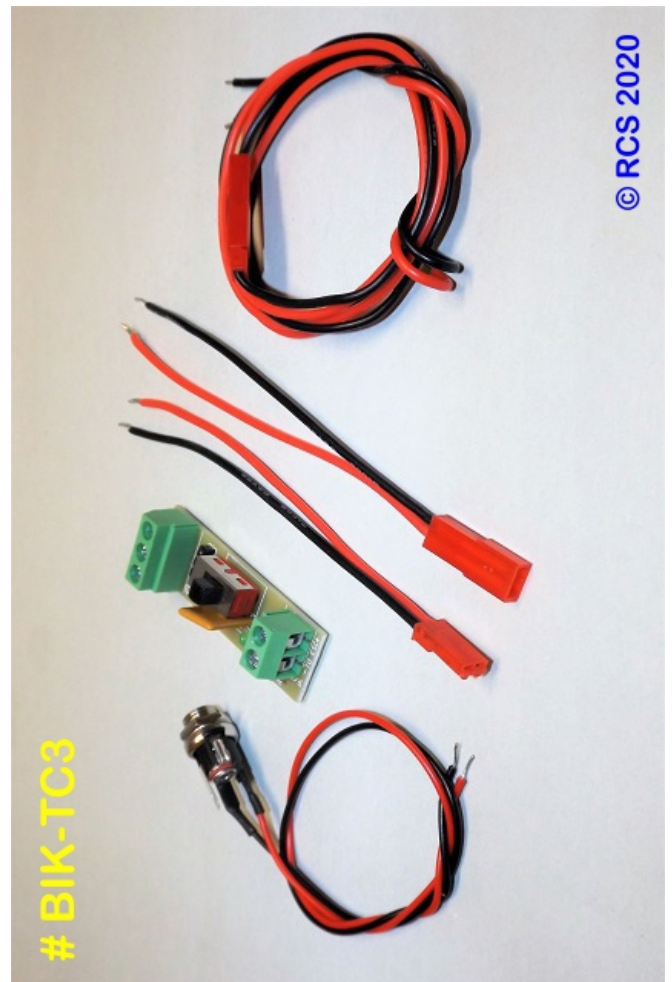
BIK-TC-2, # BIK-TC-3 & # HD-SWITCH.

The first two output JST compatible wiring.

They are rated at 3 amps. They have a Pre-wired 2.5 x 5 mm socket for charging. This accepts most plugs fitted to smart chargers.

Each loom has a pre-wired slide ON - OFF switch.

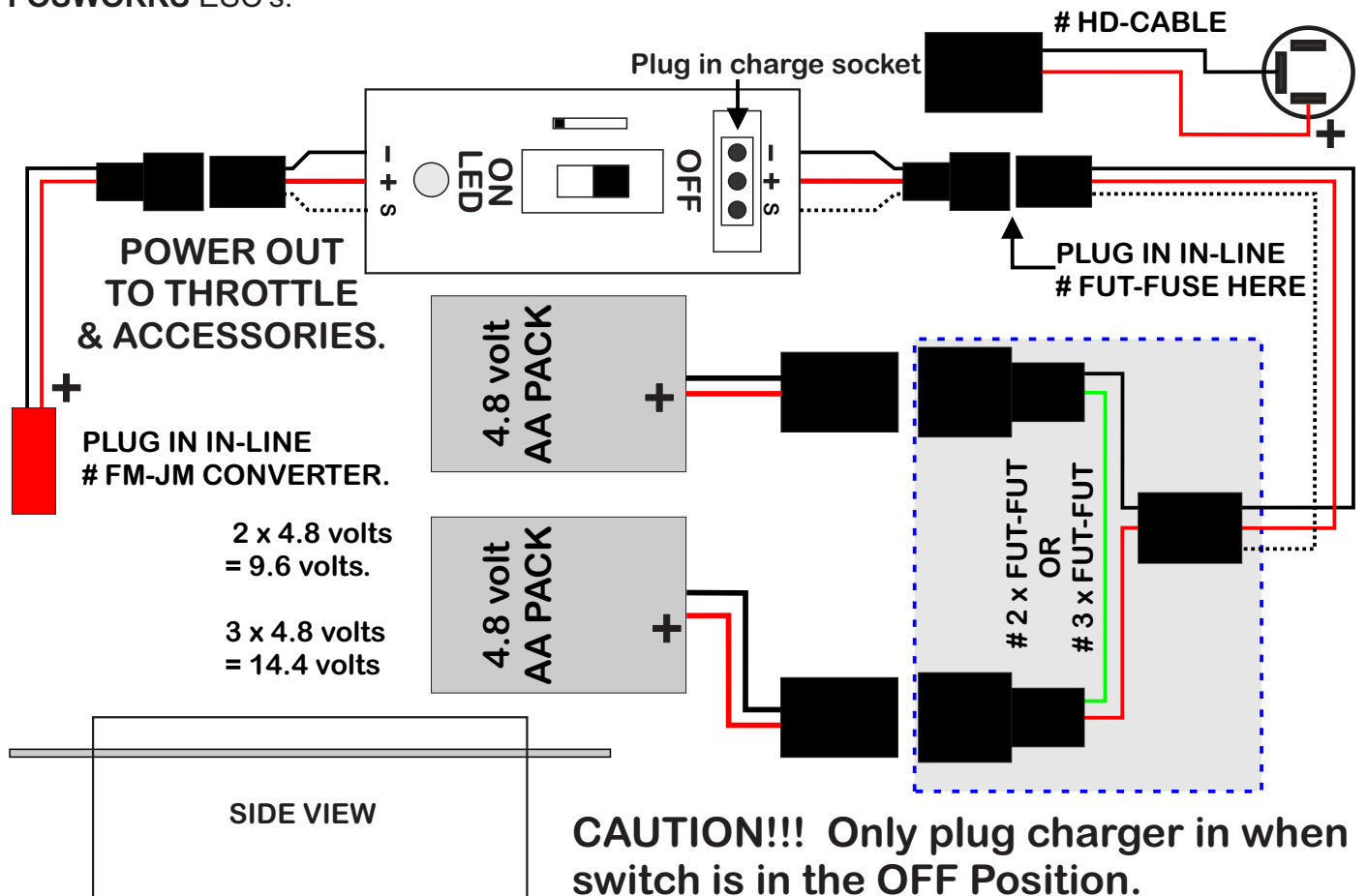
The # HD-SWITCH has FUTABA both IN & OUT, We strongly recommend using the RCS # FUT-FUSE or # JST-FUSE. They have a Polyswitch® 3 amp auto reset fuse & an in line plug and socket connector for Battery & ESC connections. These kits simplify the installation of battery R/C ESC's. Use with any brand of R/C or battery type. See following pages for suggested wiring plans.



WIRING THE # HD-SWITCH.



This RCS # HD-SWITCH R/C battery installation kit can handle a maximum of 3 amps. There is a built in FUTABA type charge socket for charging. We supply a cable with a # HD-CABLE connector plug on one end and a 2.5 mm DC Co-AX socket for a plug from a charger that can handle suitable batteries. The switch contains an LED which illuminates when the power is switched on. You will need to insert a 3 amp fuse/circuit breaker on the battery leads. We recommend the plug in in-line RCS # FUT-FUSE. This has an auto reset 3 amp Polyswitch®. RCS can supply FUTABA - JST connectors to mate with other JST equipped components such as FOSWORKS ESC's.





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RCS # BIK-TC1-2. DIY INSTALLATION KIT FOR TRAIL CARS

Use this battery installation kit with any R/C. It comes rated at 1 or 2 amps.

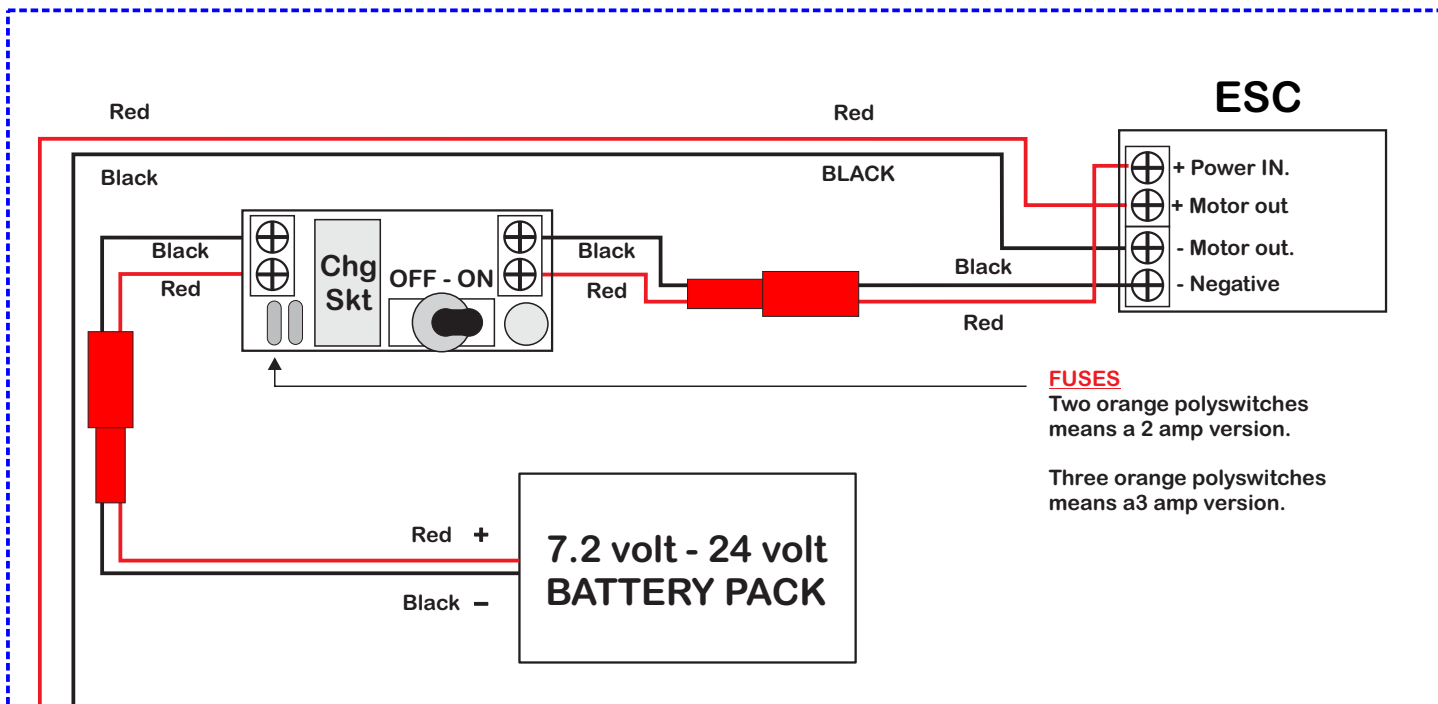
It comprises the following components:
 1 x PCB with ON-OFF switch, charge jack, polyswitch fuses, screw terminals and an LED power ON indicator.

1 x pr of in line JST connectors. These are also often fitted to various brands of ESC's to enable a Plug'n'Play installation. It is designed to be used with the RCS components but can be used with any brand of radio control.

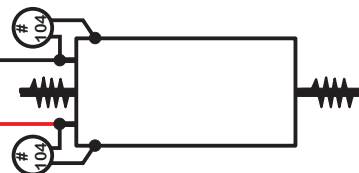
You may need a small soldering iron, resin core solder and some heatshrink tubing to insulate solder joints.

You can use any type of battery pack. If you anticipate using regular twin stick NiCd or NiMh battery packs with Tamiya type connectors on each pack you can also purchase the # Y-CABLE which will put 2 x Twin Stick battery packs in series.

- INSTALLATION.**
1. Place the BIK-TC1-2 in any suitable location such as a box car door. You can mount with double stick tape or a good quality silicone adhesive. Do not allow metal objects to touch the rear of the PCB. Damage to PCB may result.
 2. Follow the wiring diagram carefully. As various brands of locos are wired differently we cannot offer "One Size Fits All" instructions. It is essential the loco track pick ups be disabled otherwise throttle output voltage will be transferred to the track & cause all sorts of problems. The antenna wire should be kept as high as possible.



IF SHORT RANGE IS A PROBLEM SOLDERING "NOISE" SUPPRESSION COMPONENTS SOMETIMES SUPPLIED WITH YOUR THROTTLE, WHEN APPLIED TO MOTOR TERMINALS & MOTOR CASE AS SHOWN, MAY ASSIST.

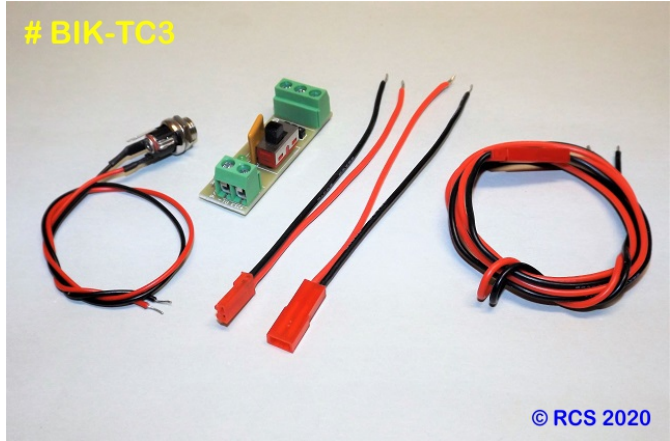




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RCS # BIK-TC3. DIY BATTERY INSTALLATION KIT



This RCS # **BIK-TC3** R/C battery installation kit is rated at 3 amps.

BIK-TC3 is fitted with a **Slide Switch**. Designed for a trail car door mounting. With a Pre-wired 2.5 x 5 mm socket for charging. The latter accepts most charger plugs fitted to smart chargers.

Each PCB has a pre-mounted SPDT slide switch, 1 x Polyswitch® 3 amp auto reset fuse & screw terminals for Battery & ESC connections.

A Green LED indicates power ON or OFF. insulate the wire joints.

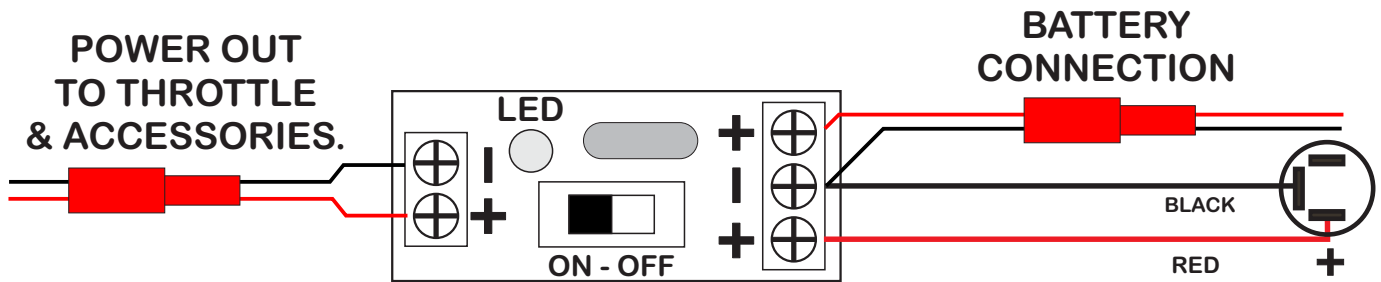
USING THE BIK-TC3 KITS.

This kit will simplify the installation of battery R/C throttles.

It can be used with any brand of R/C or battery type.

The screw terminals accept the supplied cables with standard 100 mm JST connectors to match those supplied with **certain ESC's**. A pair of 300 mm JST connectors are supplied for trail car - loco installations.

Use small soldering iron, resin core solder & some heatshrink tubing to insulate wire joints.



FUSES

One Orange Polyswitch mean a 3 amp version
 Two orange Polyswitches means a 6 amp version.

CAUTION!!! Only plug the charger in when the switch is in the OFF Position.