

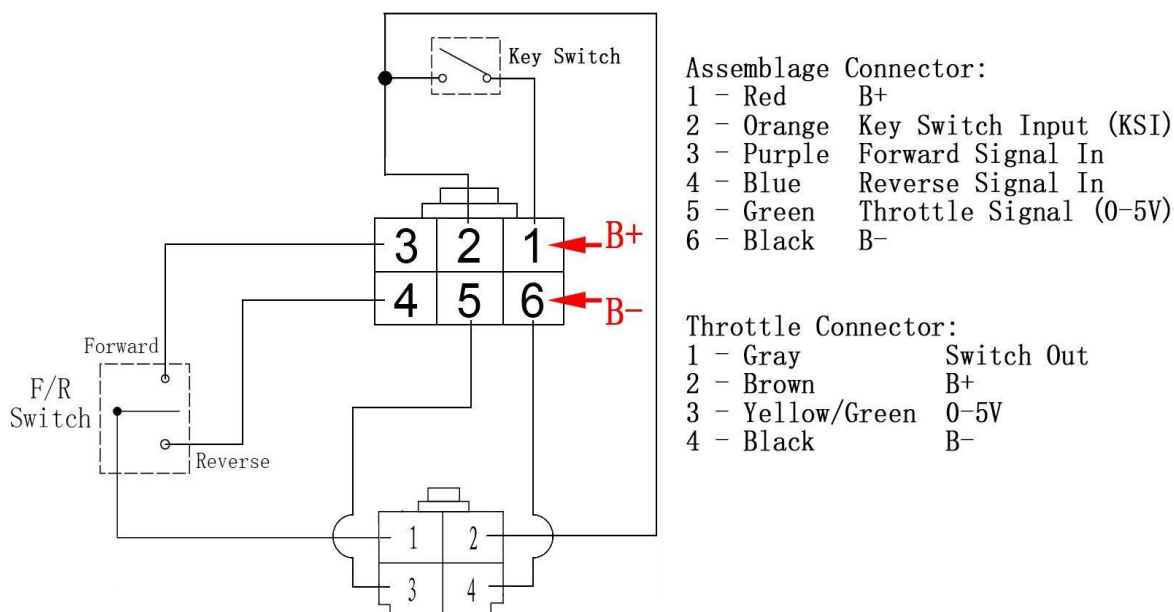
Installation Instruction

DC SepEx Motor Controller Assembly CURTIS 1244 Series

1. Checking the controller assembly, battery system and motor:

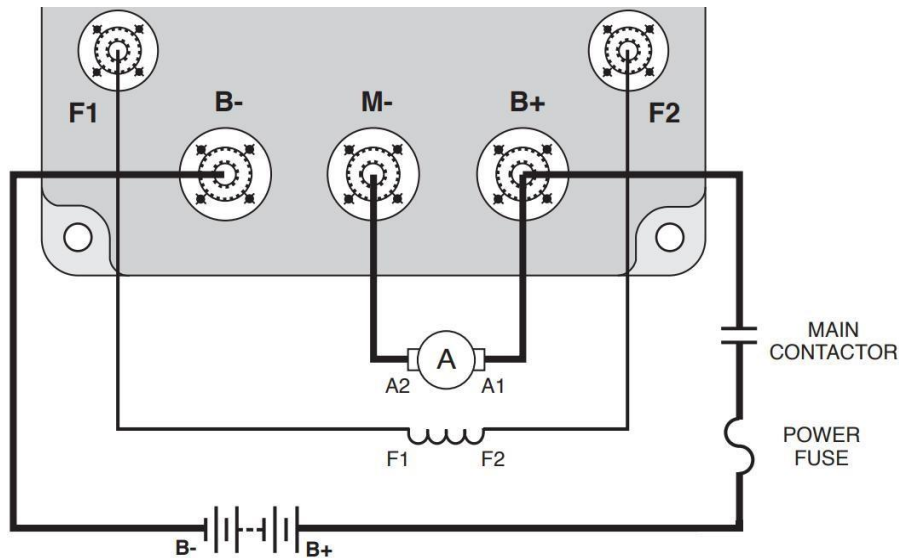
- a) The whole assembly status
- b) Installation kit & mating connectors
- c) Battery charging status
- d) Motor status (turning manually 2-3 rounds)
- e) The cables' length and insulation conditions

Preparing the mating connectors, trying to connect and disconnect the connectors, making sure the all terminals are well contacted. Please identify the wire number corresponding to the connectors on assembly and throttle, as shown in the diagram below:

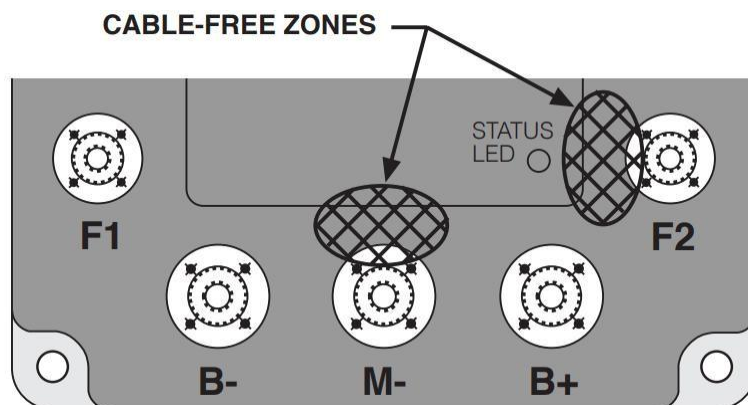


2. Mounting the assembly and throttle on board. If there is an earth line, connect it to the assembly aluminum installation plate.
3. Connecting all cables of battery and motor to the assembly.
 - a) Do not supply power to assembly till confirming that the "B+" and "B-" connections are not reversed. The reversed power poles could cause an immediate system damage.
 - b) Keep the F / R switch at neutral position, and the throttle at low end without output. Keep the vehicle braked.
 - c) There are small round labels "B+" and "B-" on the assembly, indicating the connecting positions of positive and negative poles of DC power source.

d) Connect motor and battery cables to the assembly, as shown in the diagram below:



Caution: Power cables must not be routed over the indicated areas. Otherwise, they may interfere with the proper operation of sensitive electromagnetic components located underneath.



4. Deliver power to the assembly. Normally there should be a “click” sound of main contactor at the moment of power arriving.
5. Turn on the key switch and keep the throttle at low end without output.
6. Release the vehicle brakes, put the F / R switch at “forward” position, step down a little the foot pedal (throttle) to start the motor. If the motor works, stop the motor, and try the same to reverse the motor.
7. Increasing slowly the motor speed till its max limit, run the vehicle for 5 minutes. Stop the vehicle, turn off the power, check the situation of motor (if there is any overheating) and the assembly (overheating or over-current).
8. By identifying there is no abnormal noise or smell, then the system is installed correctly.