

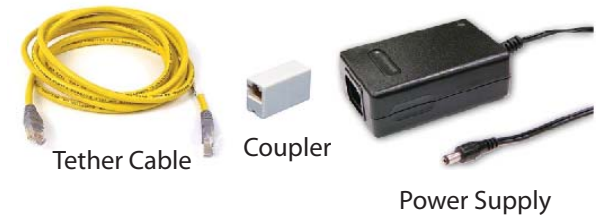
Total Controller 2.0 User Manual



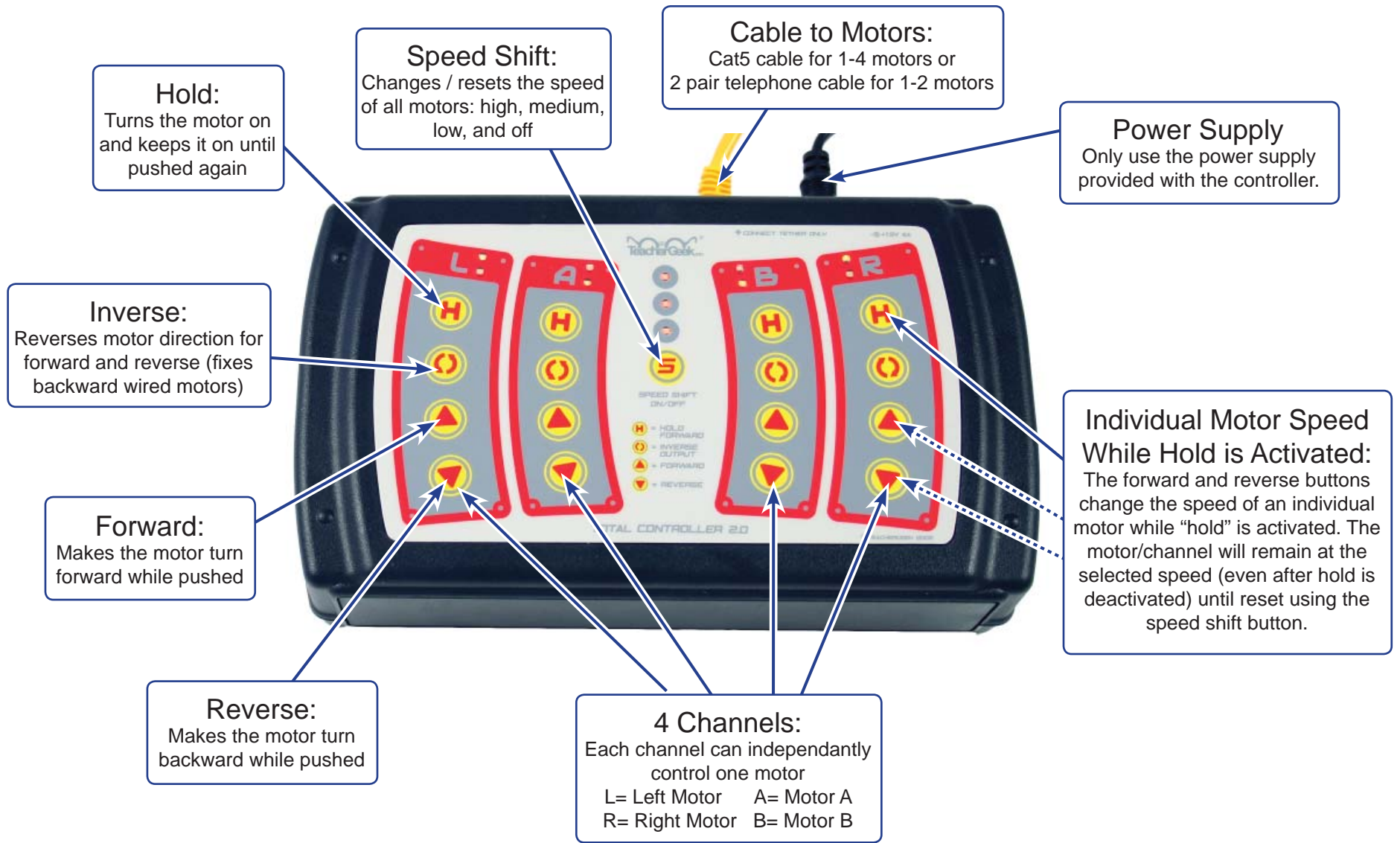
Controller Features:

- Independently control 4 motors (forwards and reverse)
- Inverse output polarity to fix backwards wired motors
- “Hold” any motor on (keep it going forwards or in reverse)
- Membrane switch keypad with integrated L.E.D output. Lifespan: millions of cycles
- Microcontroller driven, advanced H-bridge design with thermal overload protection (if overloaded, it will gradually reduce power to protect its circuitry)
- Variable pulse-width-modulation (allowing variable and independent motor speeds)
- Output: 4A at 7.5V

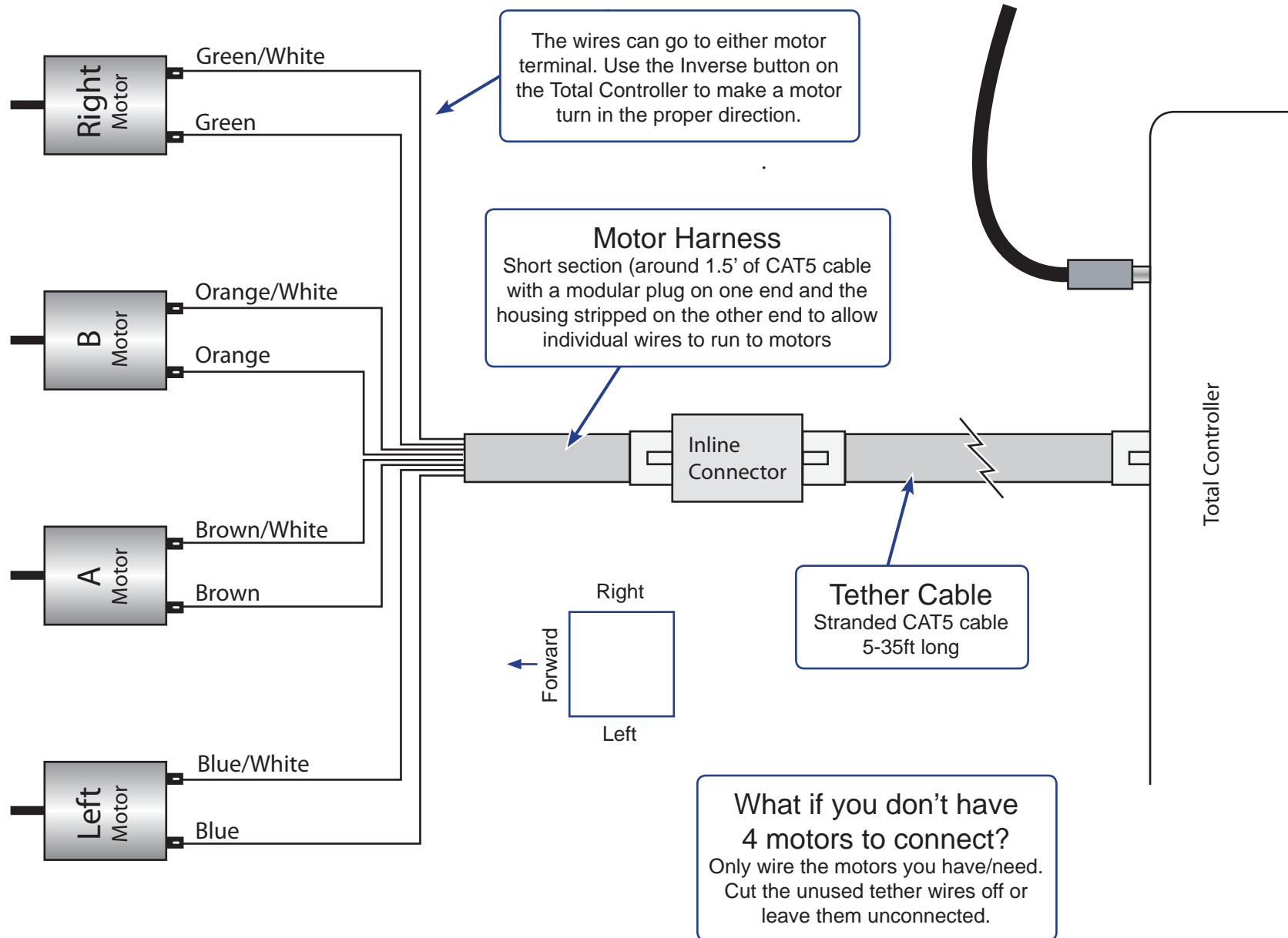
Included Components:



Controller Overview

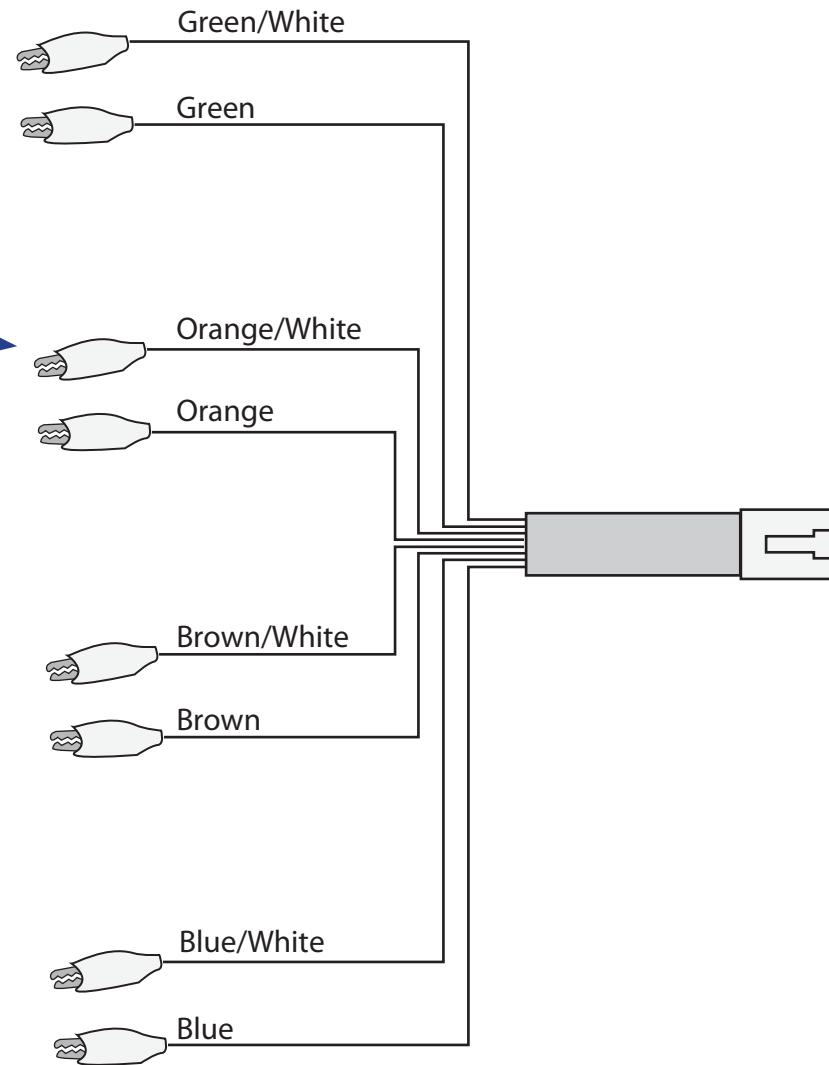


Connecting 1-4 Motors Using CAT5 Wire

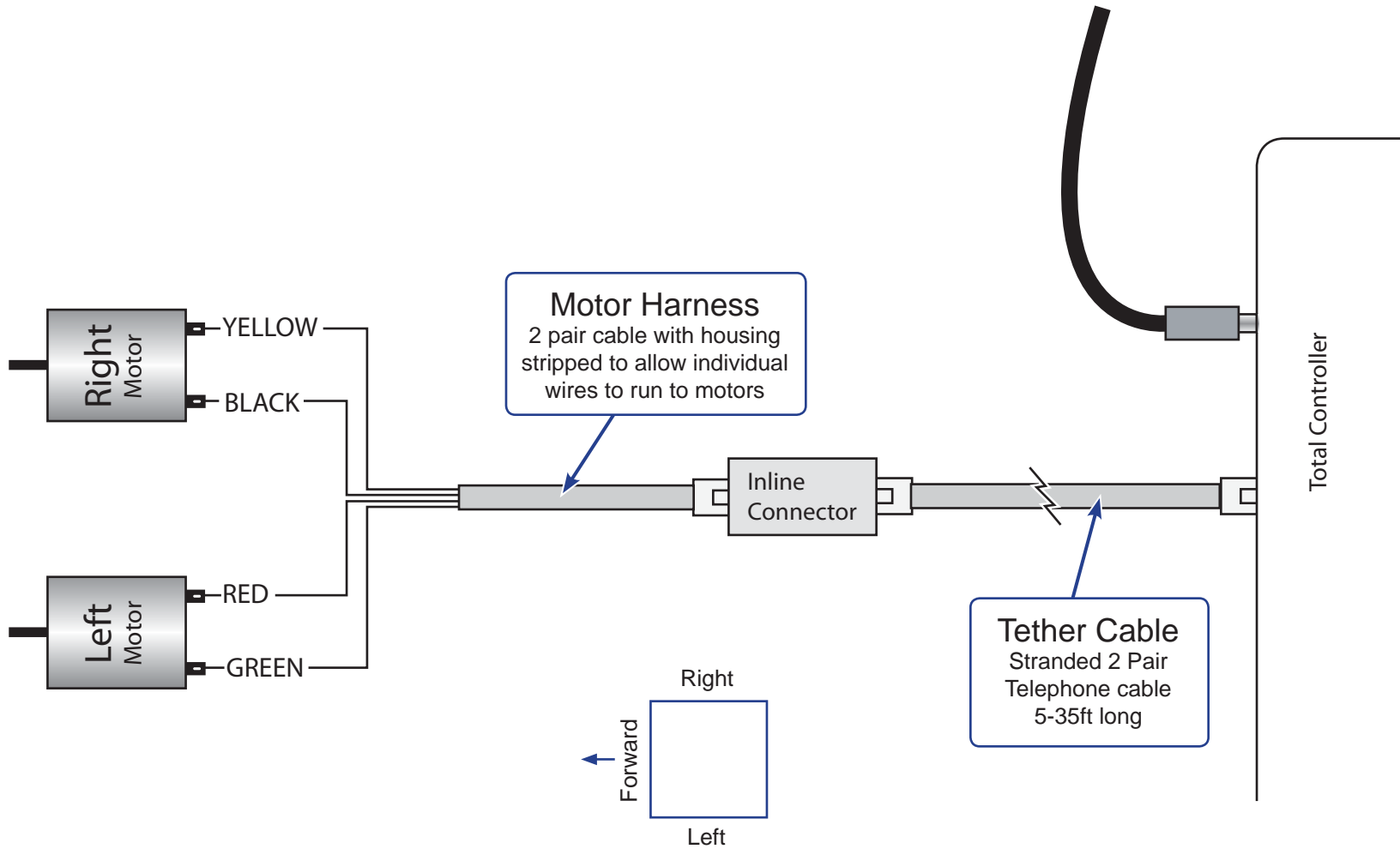


Creating a Quick-Connect Harness

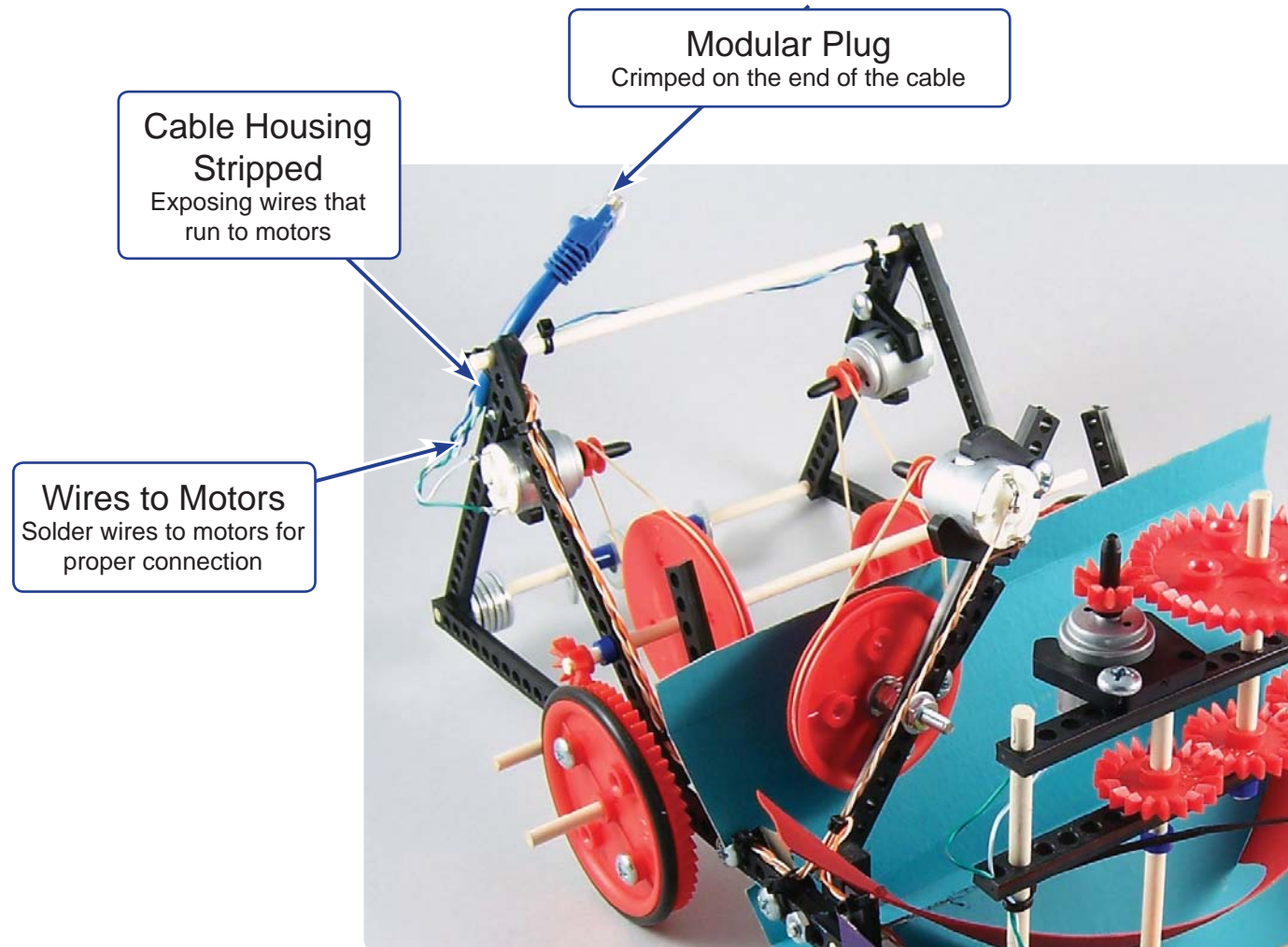
Tip: Soldering alligator clips to a harness allows it to quickly and easily be transferred between projects and motors.



Connecting 1-2 Motors to 2Pair Telephone Cable



Connecting The Motor Harness to Projects



Attaching a Modular Plug to a CAT5 Cable to Create a Harness

