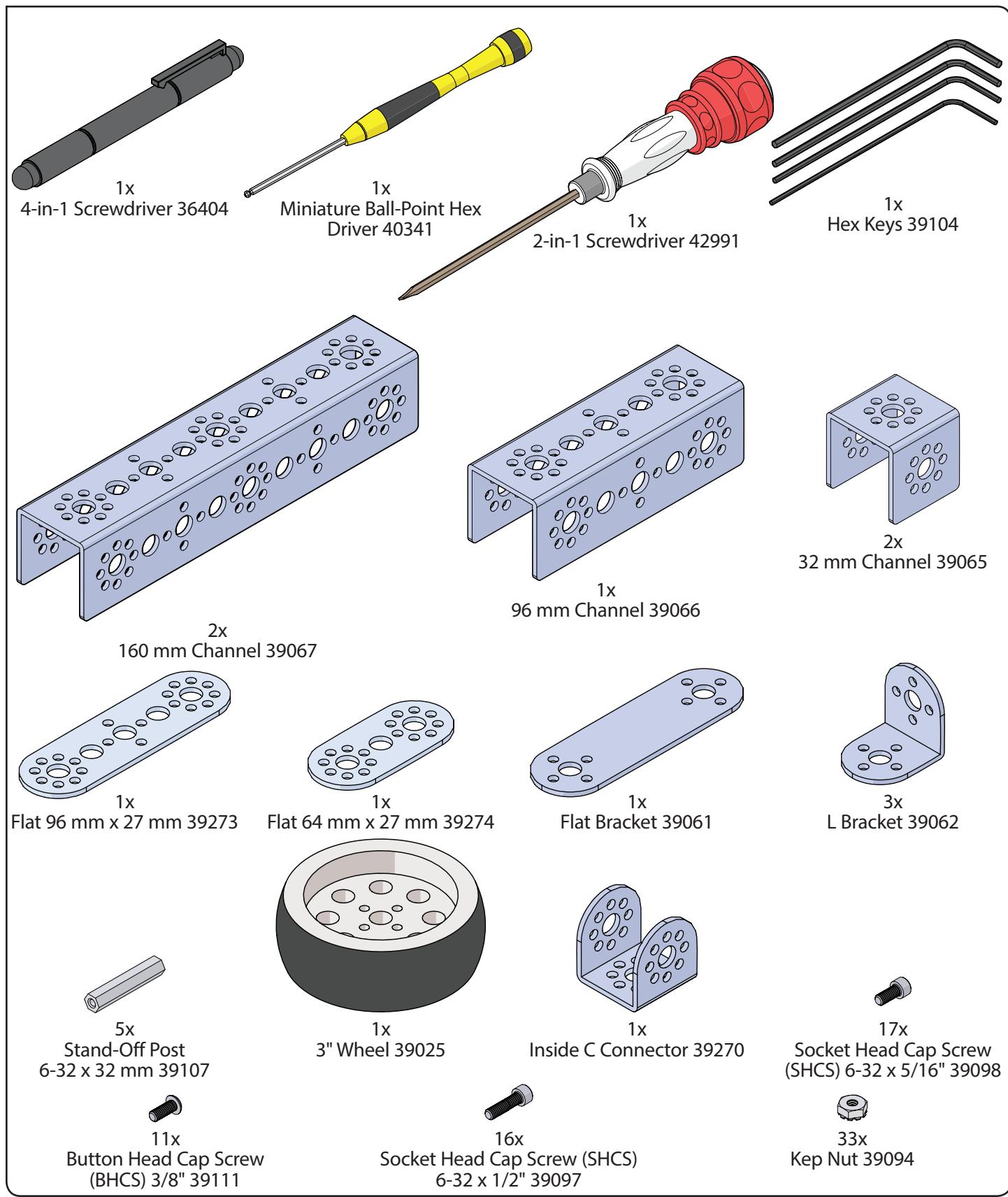


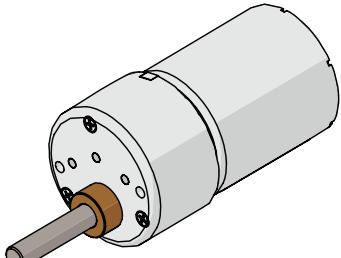
TETRIX® PRIZM™ Test Bed Building Instructions

Step 1

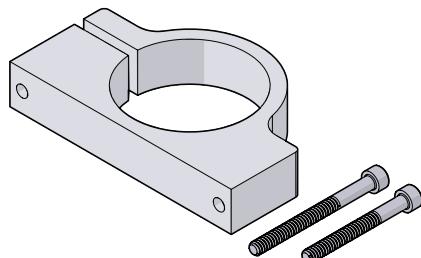
Parts Needed



Parts Needed (continued)



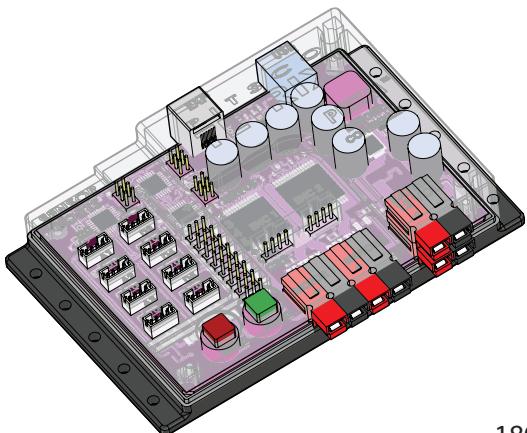
1x
DC Motor 39530



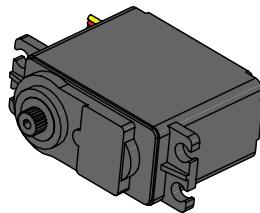
1x
Motor Mount 39089



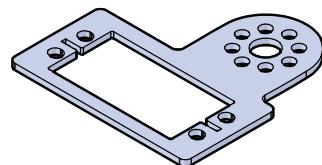
1x
Motor Shaft Hub 39079



1x
PRIZM™ Controller 43000



1x
180° Standard-Scale HS-485HB Servo Motor 39197



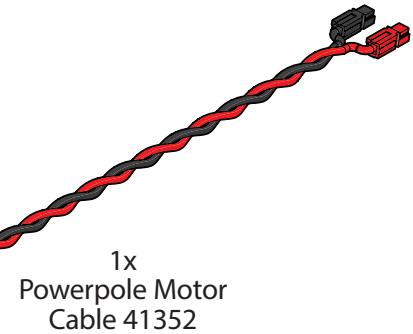
1x
Standard Servo Mounting Plate



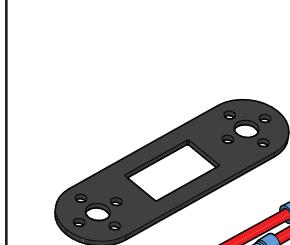
1x
Servo Horn 39020



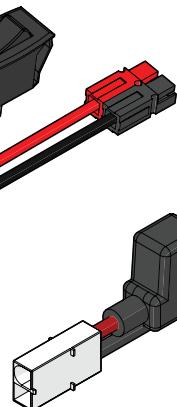
1x
Servo Horn Attachment Screw



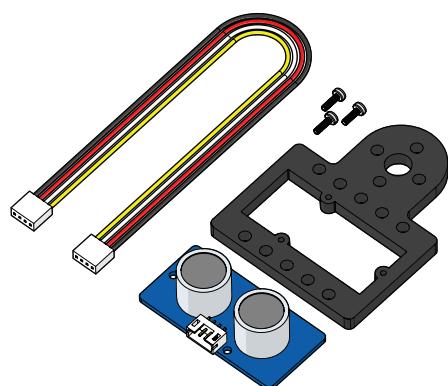
1x
Powerpole Motor Cable 41352



1x
PRIZM On/Off Switch Kit 43169

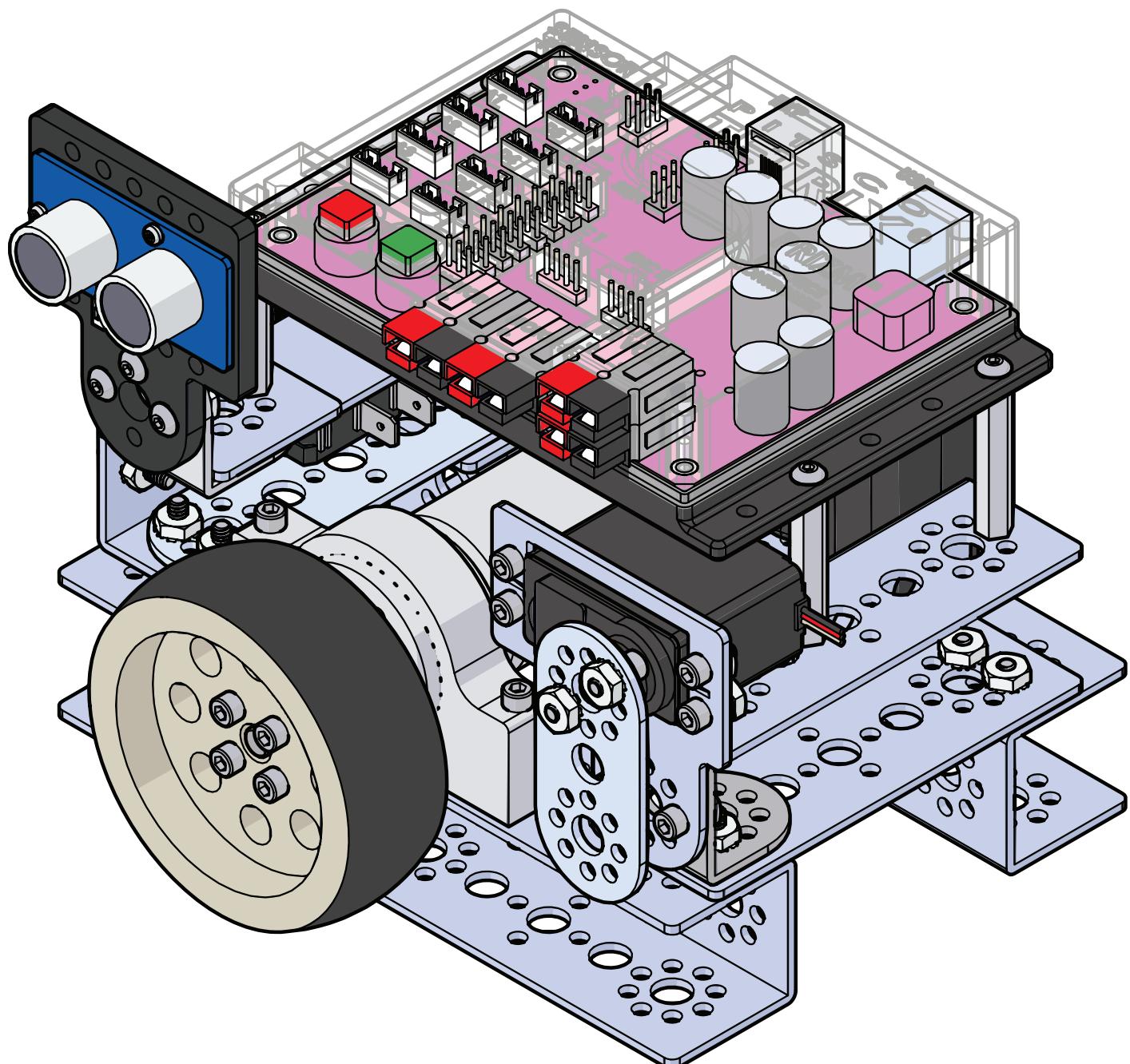


1x
12-volt 2,000 mAh Battery Pack 41135

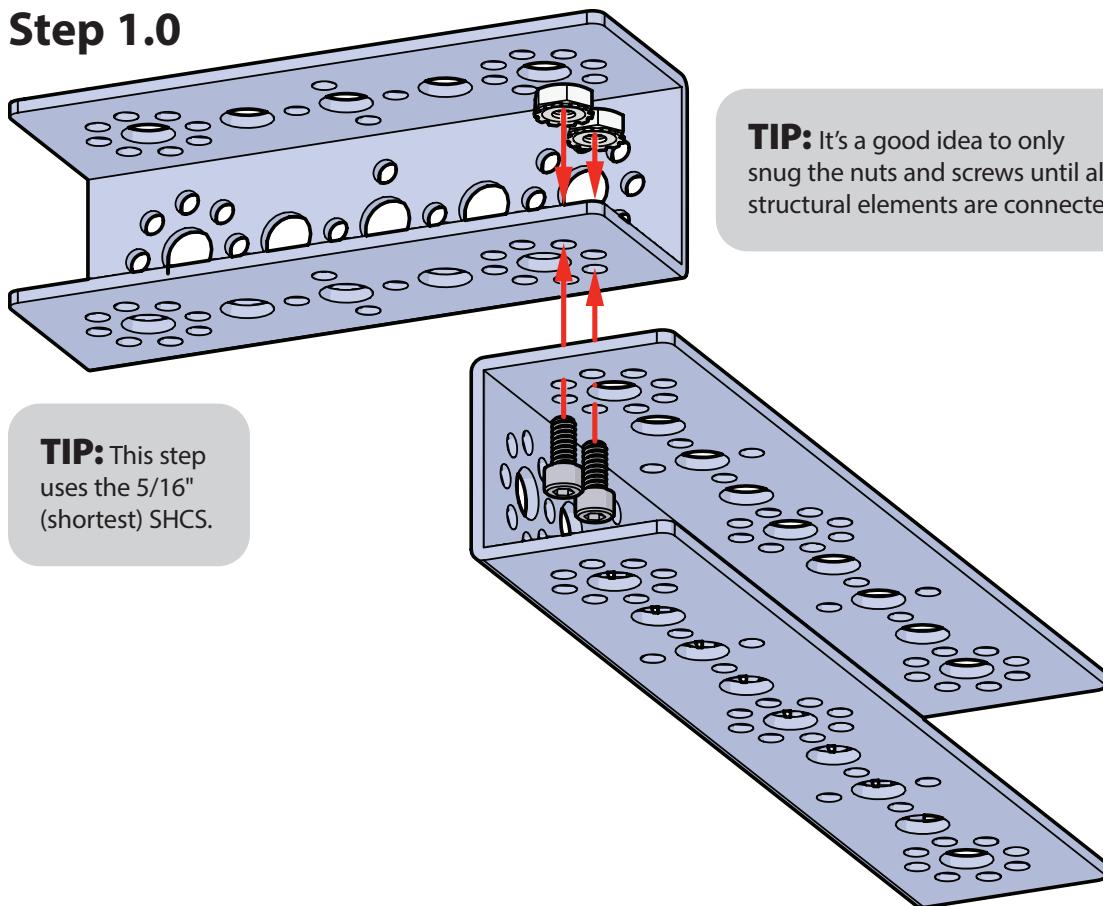


1x
Ultrasonic Sensor Pack 43055

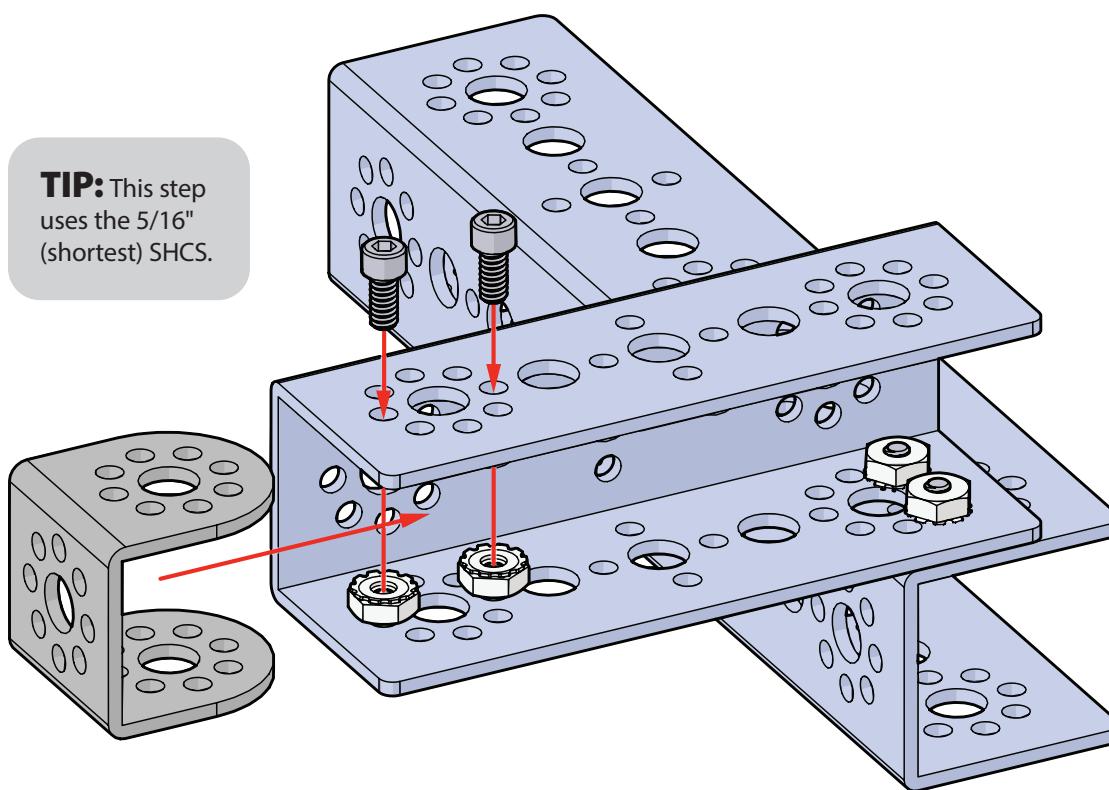
Finished assembly should look like this.



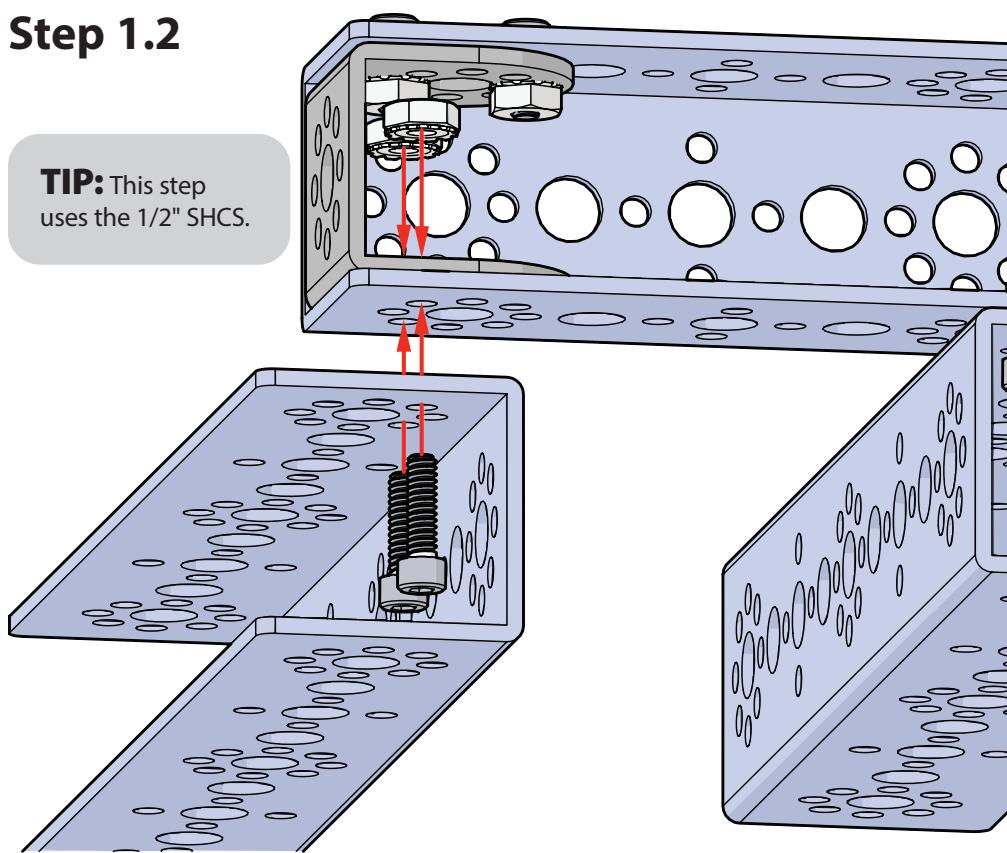
Step 1.0



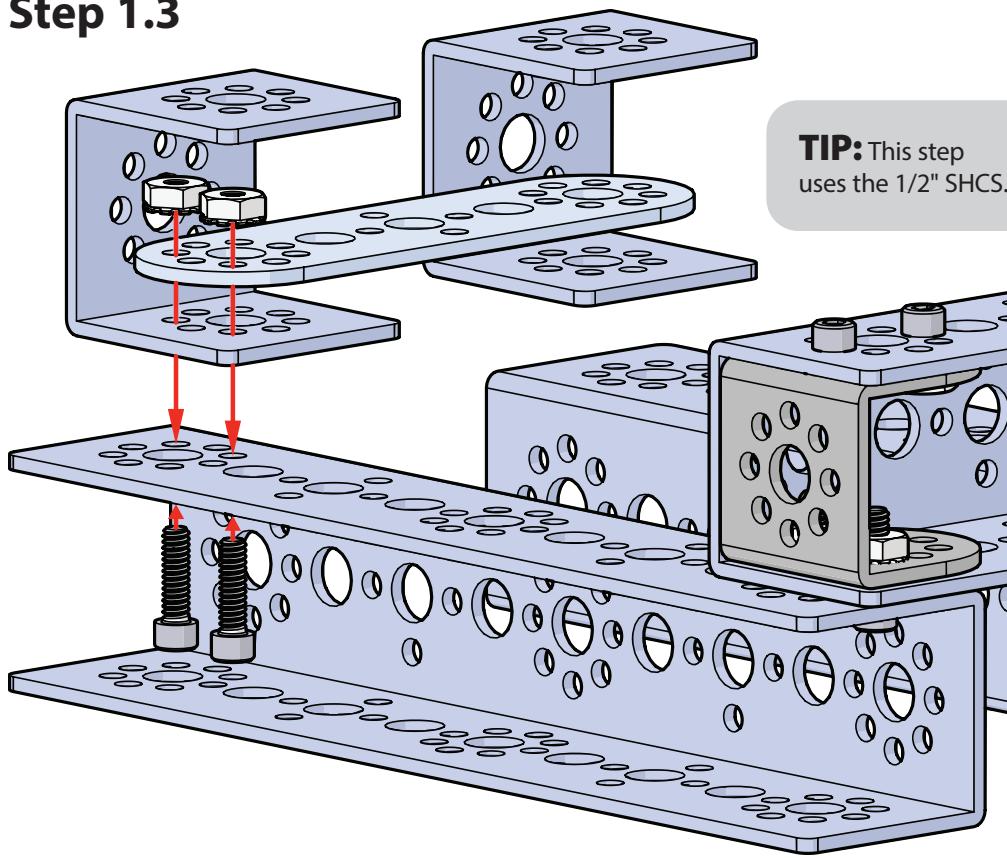
Step 1.1



Step 1.2

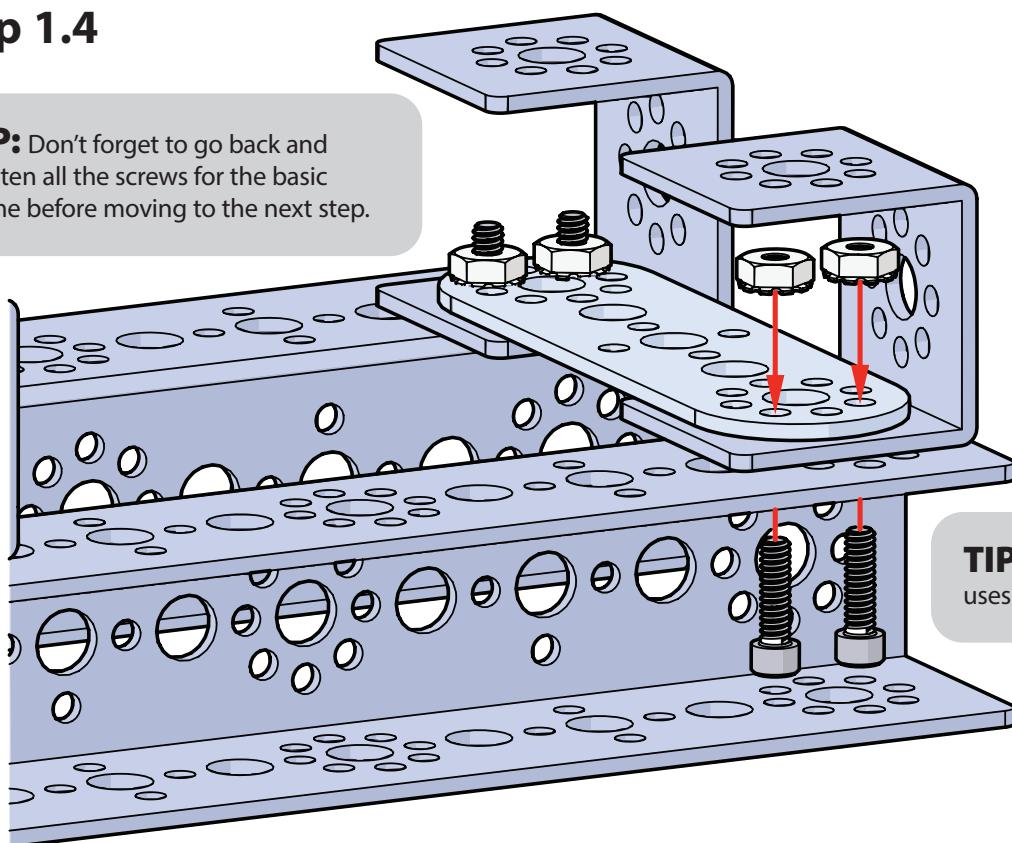


Step 1.3



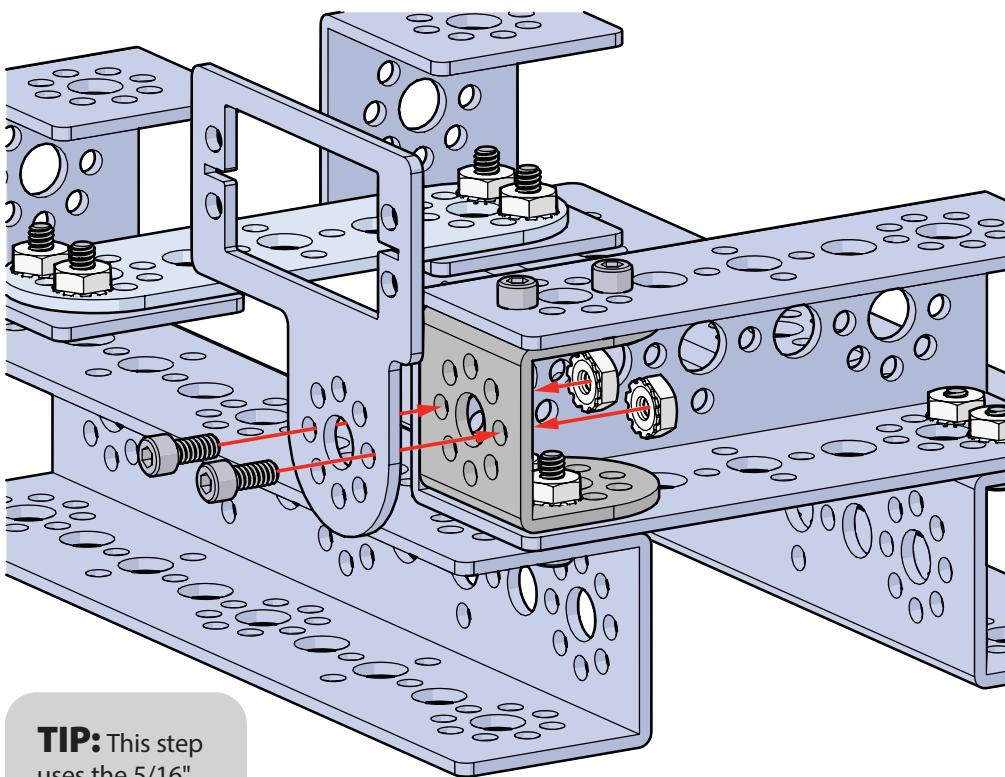
Step 1.4

TIP: Don't forget to go back and tighten all the screws for the basic frame before moving to the next step.



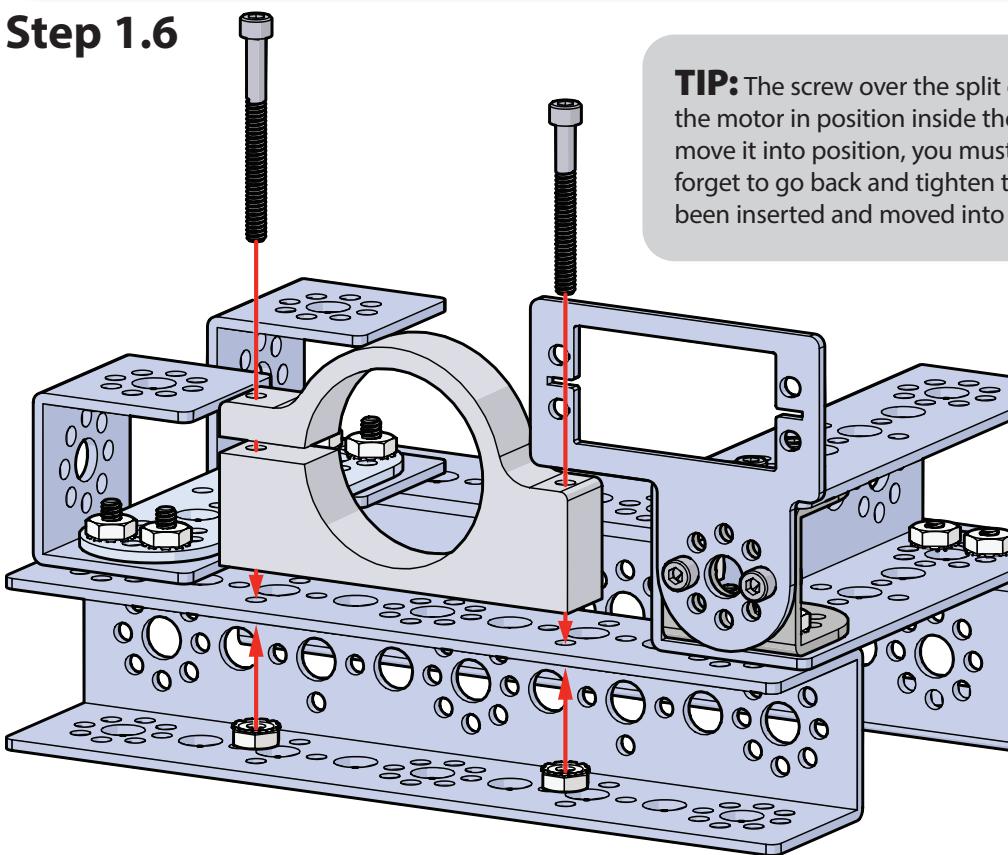
TIP: This step uses the 1/2" SHCS.

Step 1.5



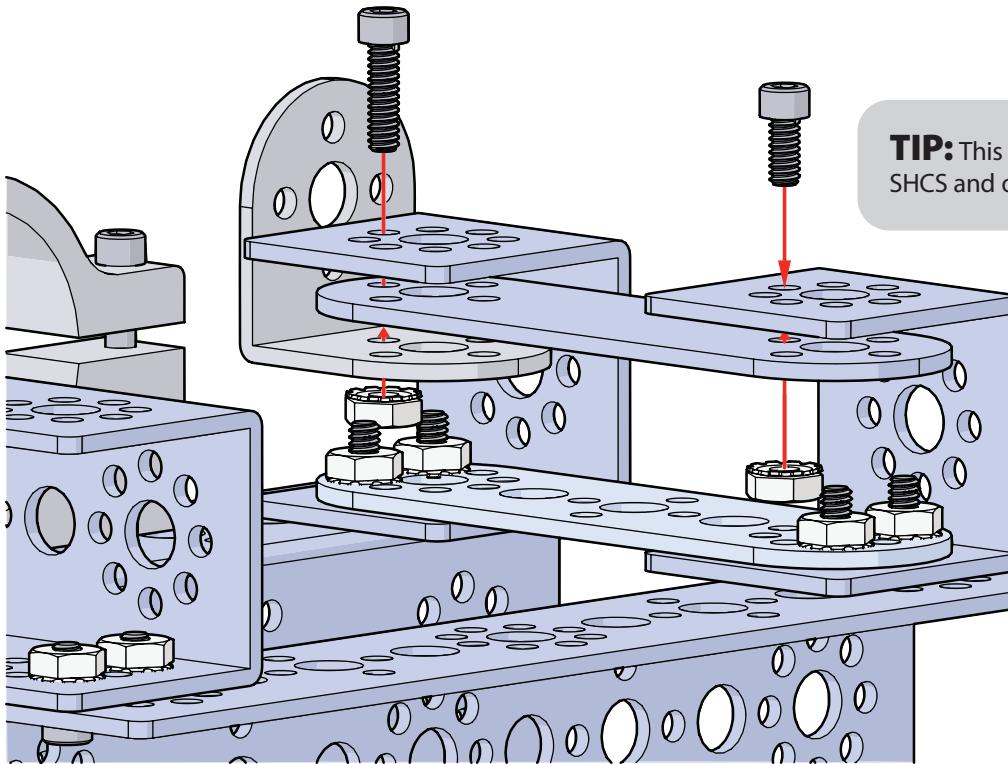
TIP: This step uses the 5/16" (shortest) SHCS.

Step 1.6



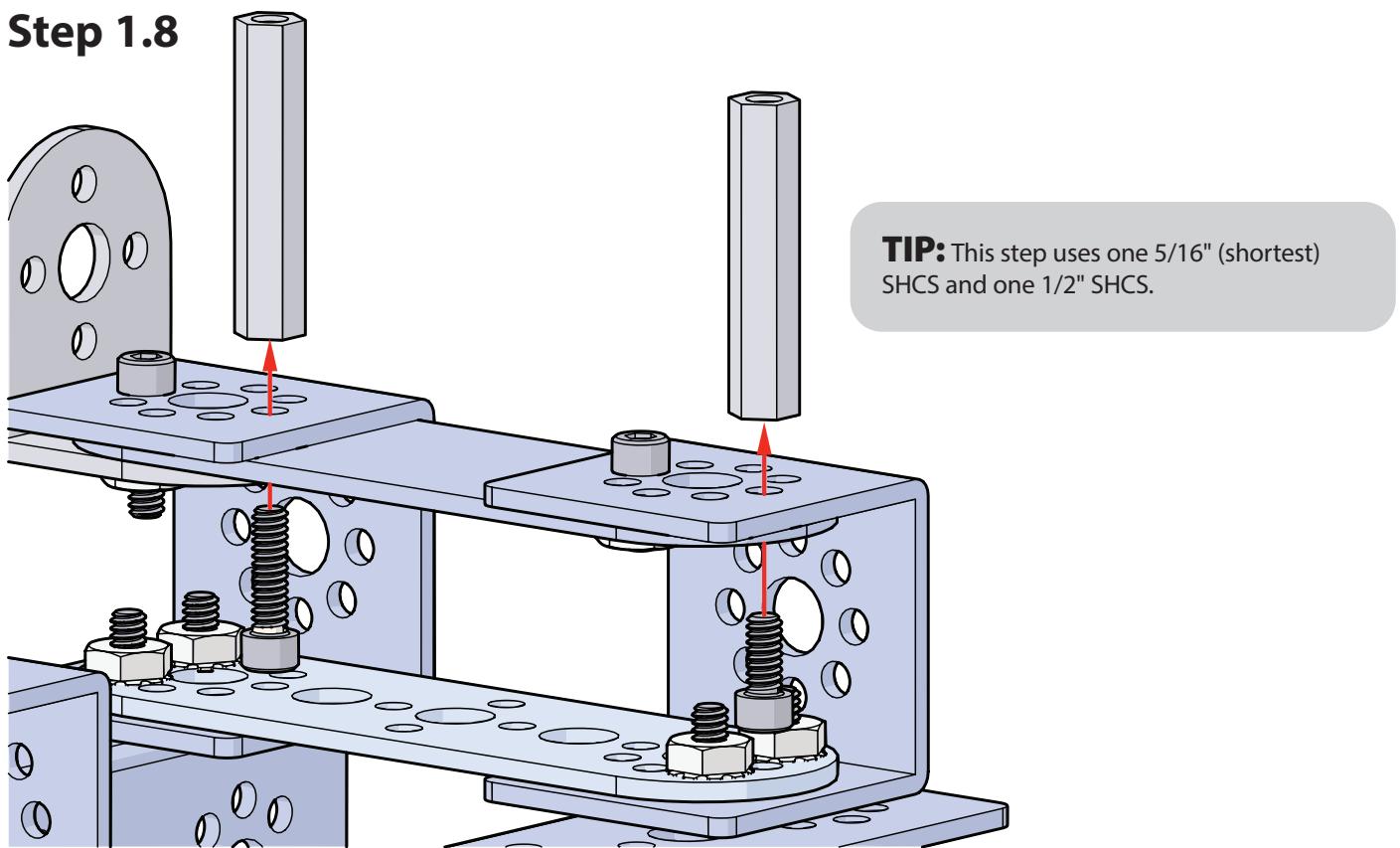
TIP: The screw over the split end of the Motor Mount holds the motor in position inside the mount. To insert the motor and move it into position, you must keep the screw loose. Don't forget to go back and tighten this screw after the motor has been inserted and moved into the desired position.

Step 1.7

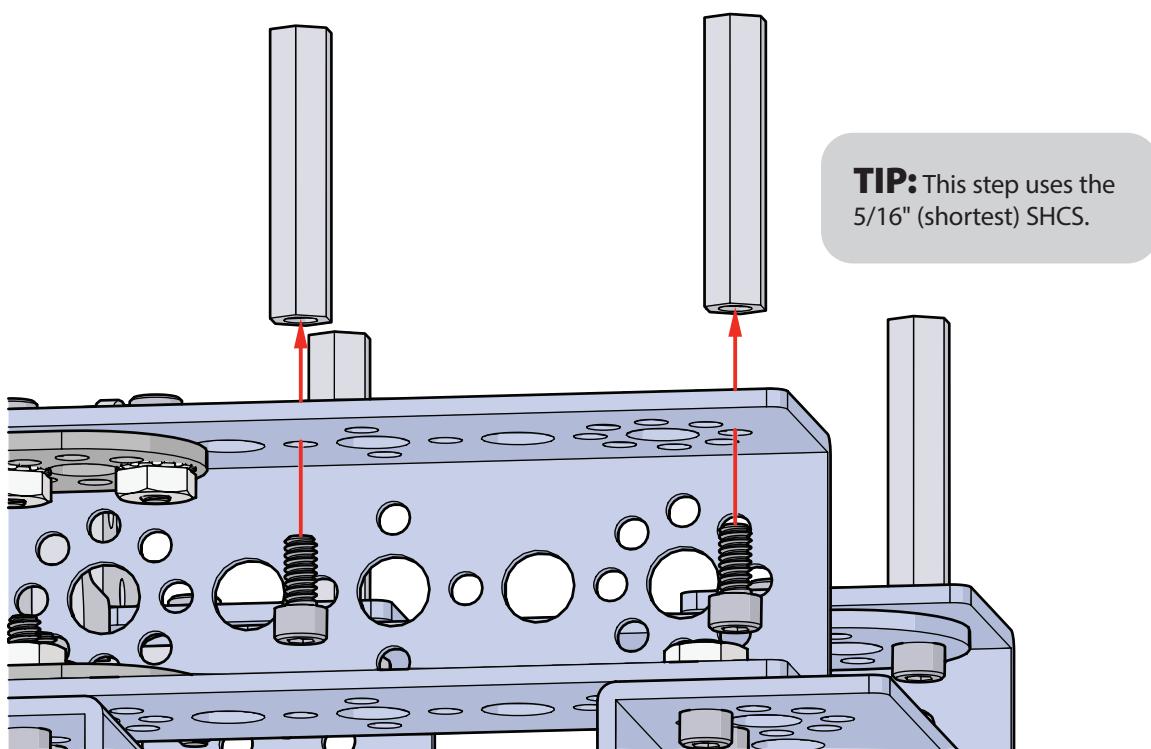


TIP: This step uses one 5/16" (shortest) SHCS and one 1/2" SHCS.

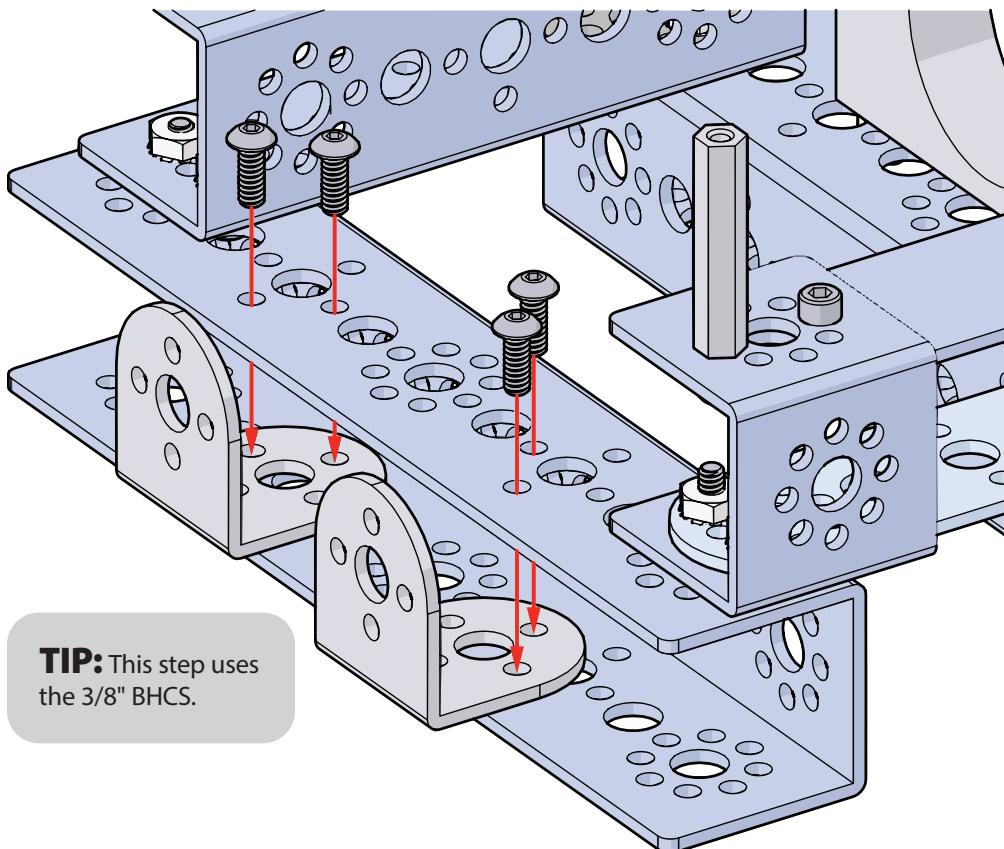
Step 1.8



Step 1.9



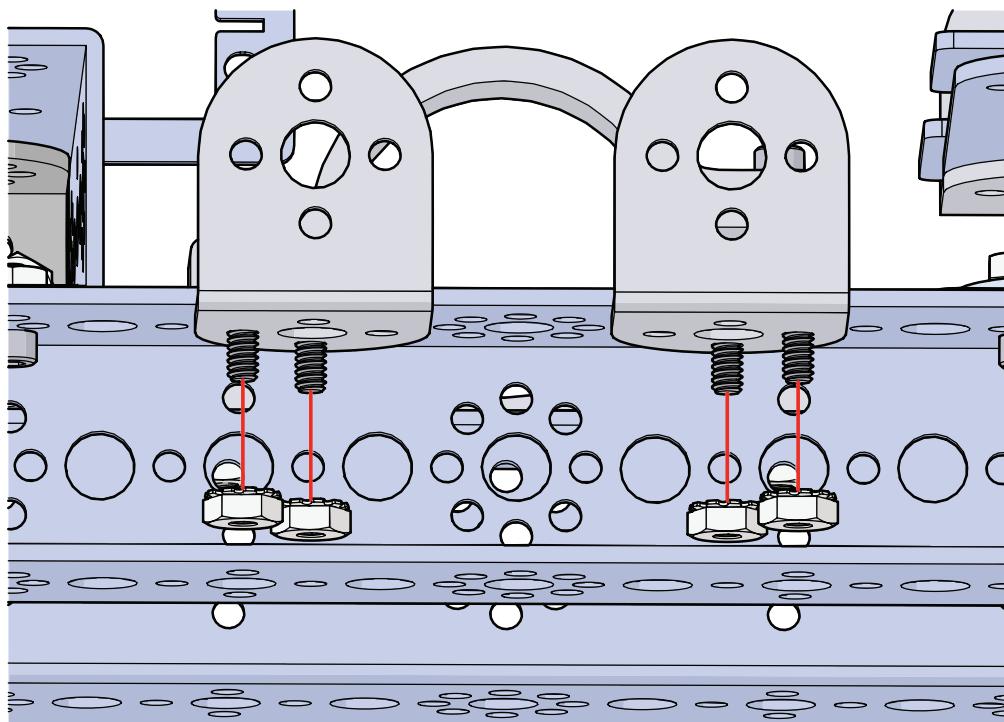
Step 1.10

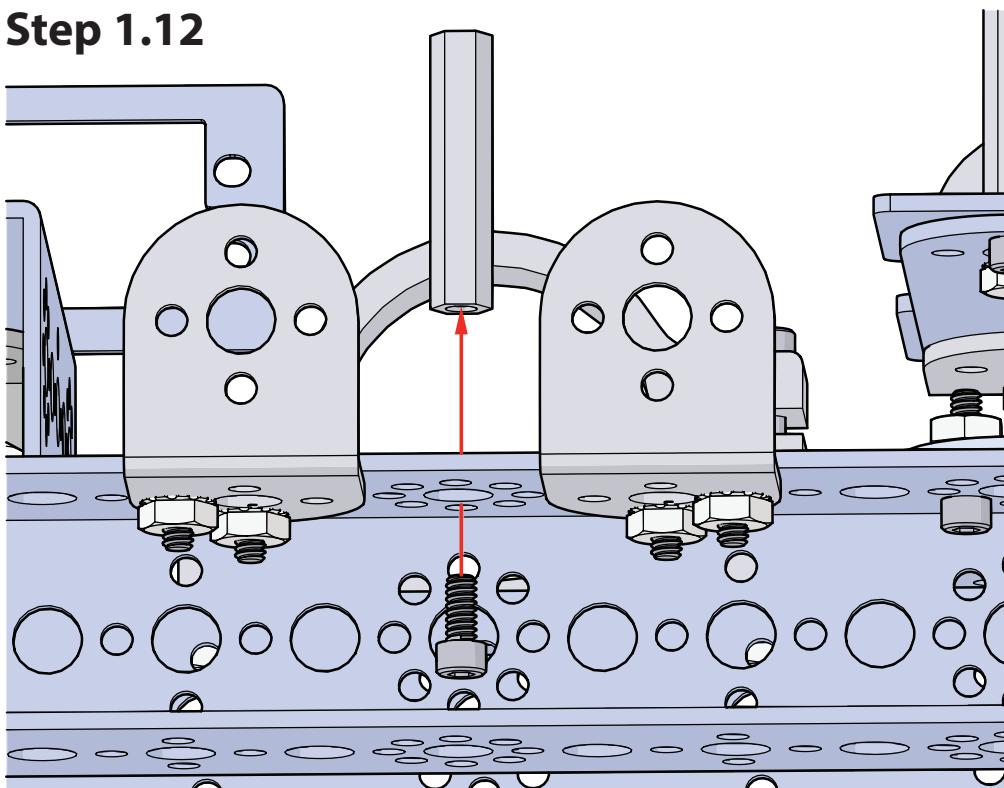


NOTE: These L Brackets are intended to hold the battery in place and will be offset in order to accommodate the size of the battery.

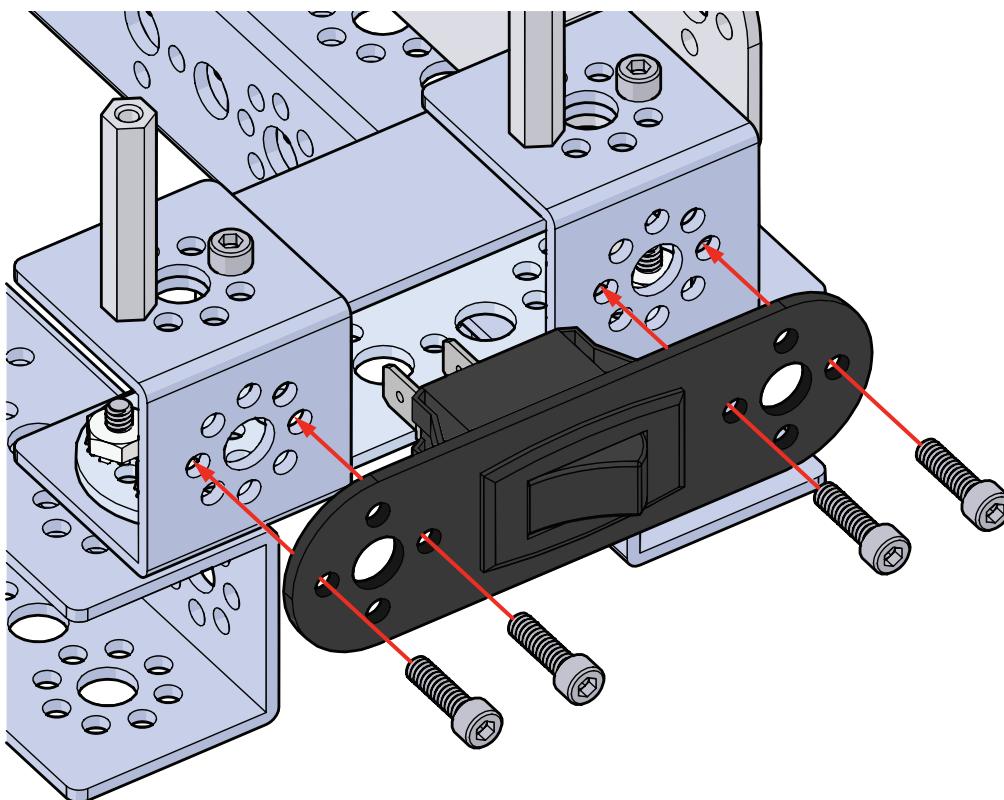
TIP: This step uses the 3/8" BHCS.

Step 1.11



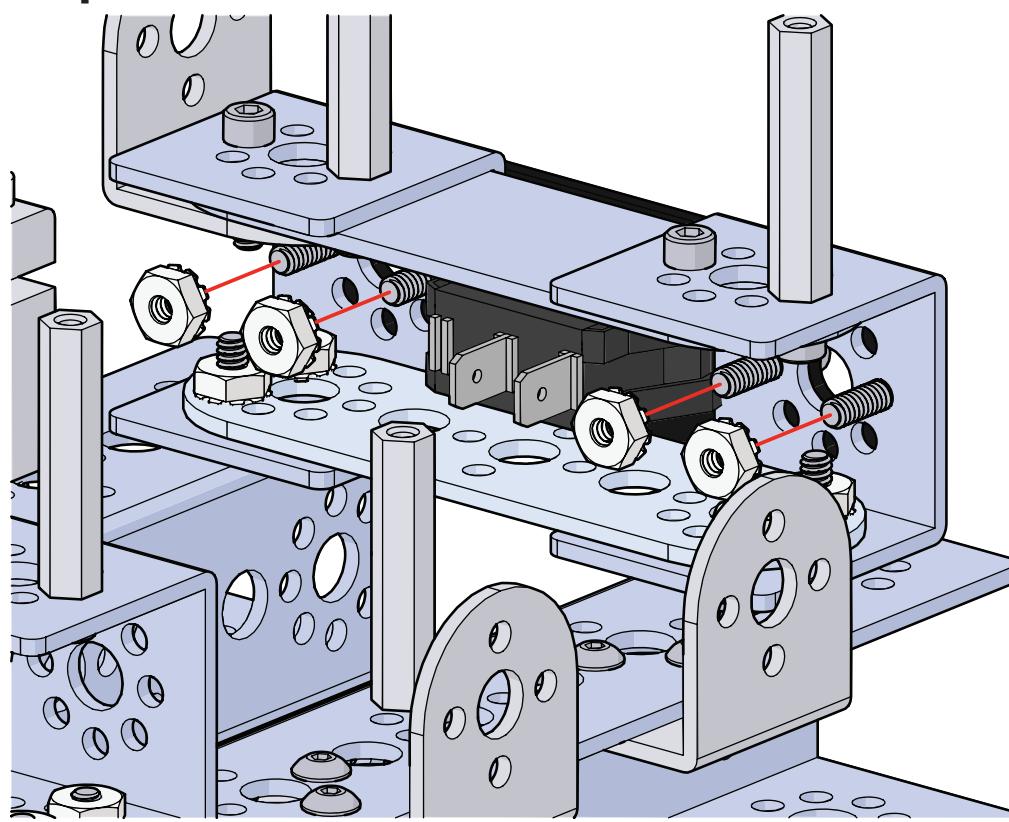
Step 1.12

TIP: This step uses the 5/16" (shortest) SHCS.

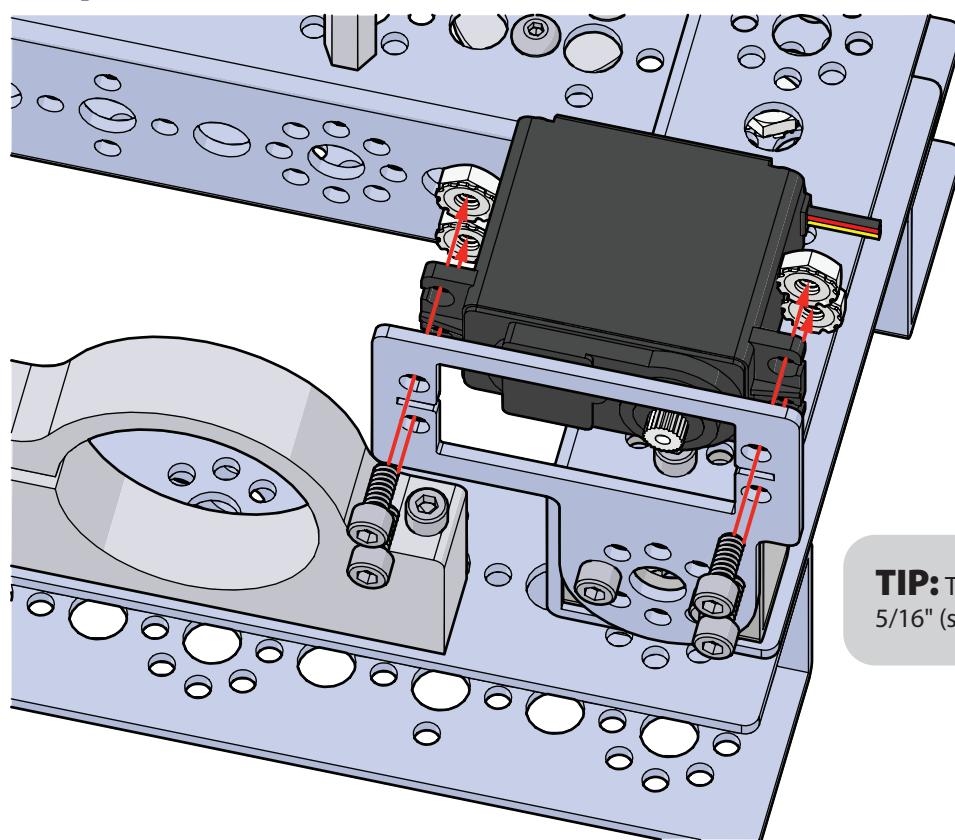
Step 1.13

TIP: This step uses the 1/2" SHCS.

Step 1.14

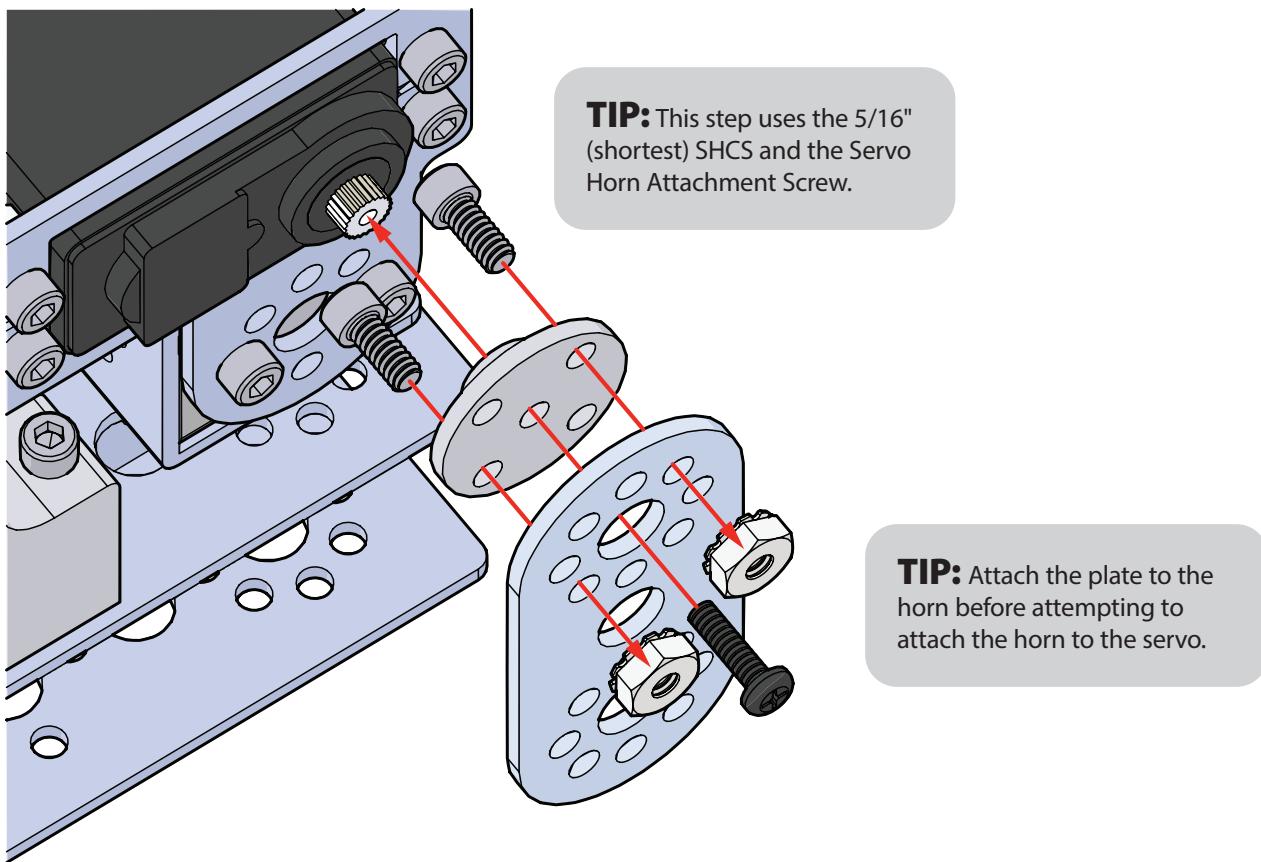


Step 1.15

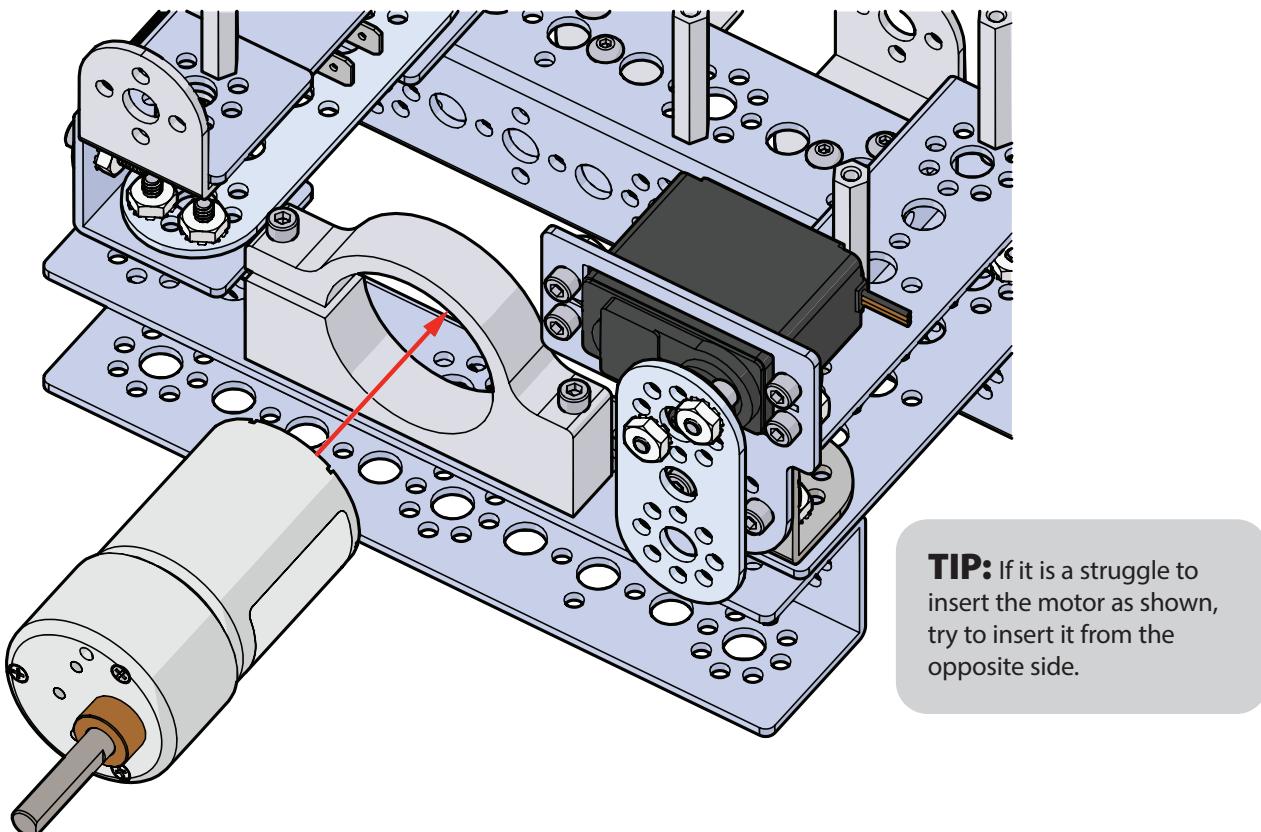


TIP: This step uses the
5/16" (shortest) SHCS.

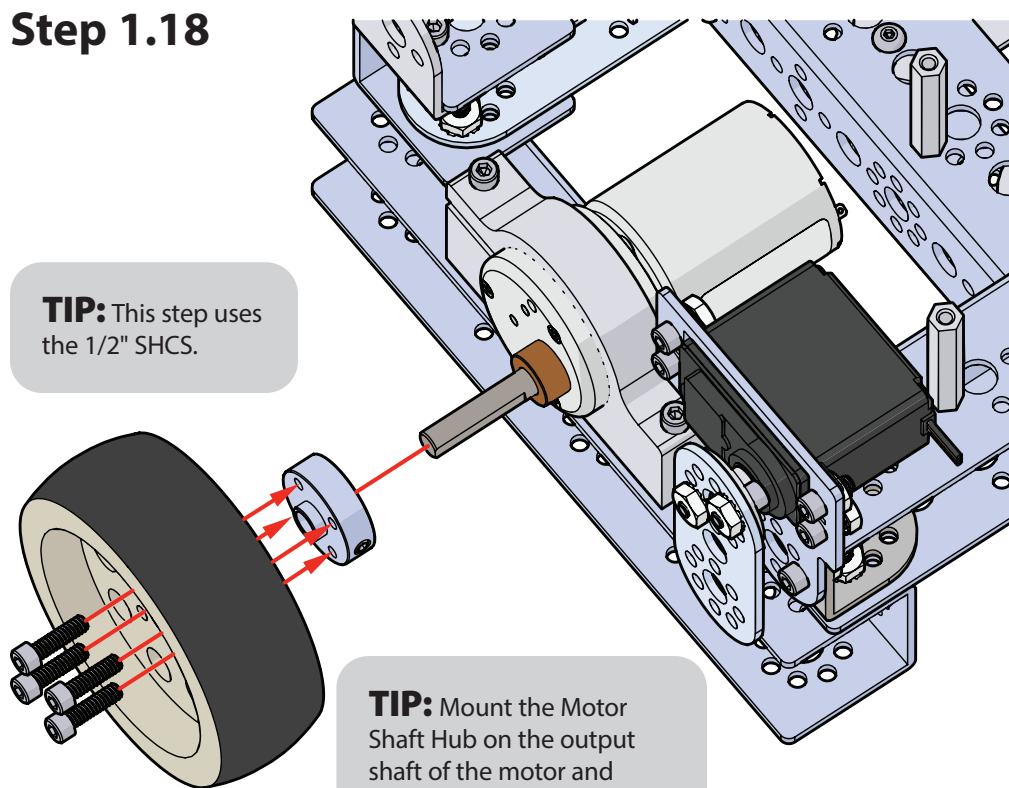
Step 1.16



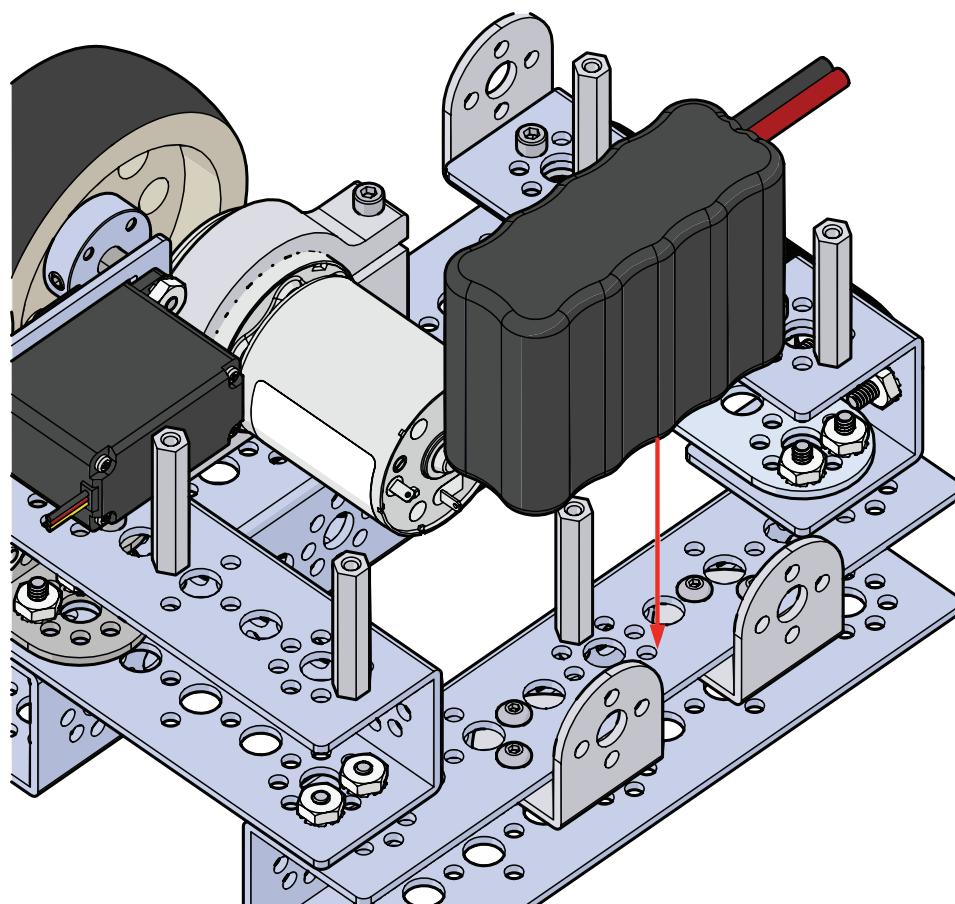
Step 1.17



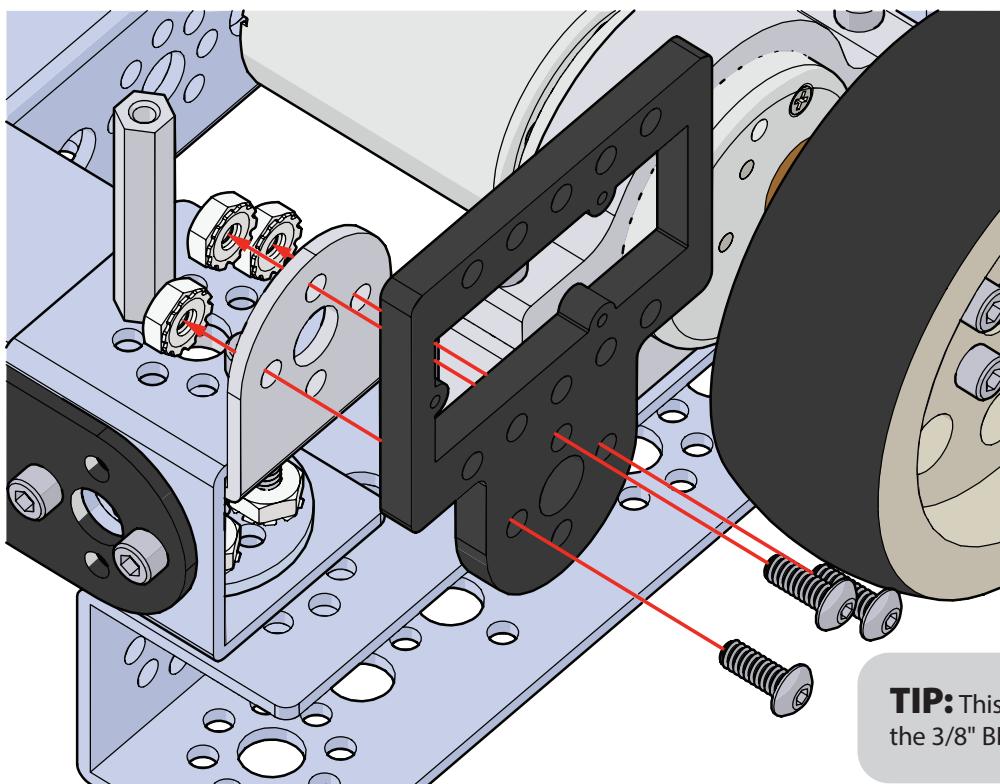
Step 1.18



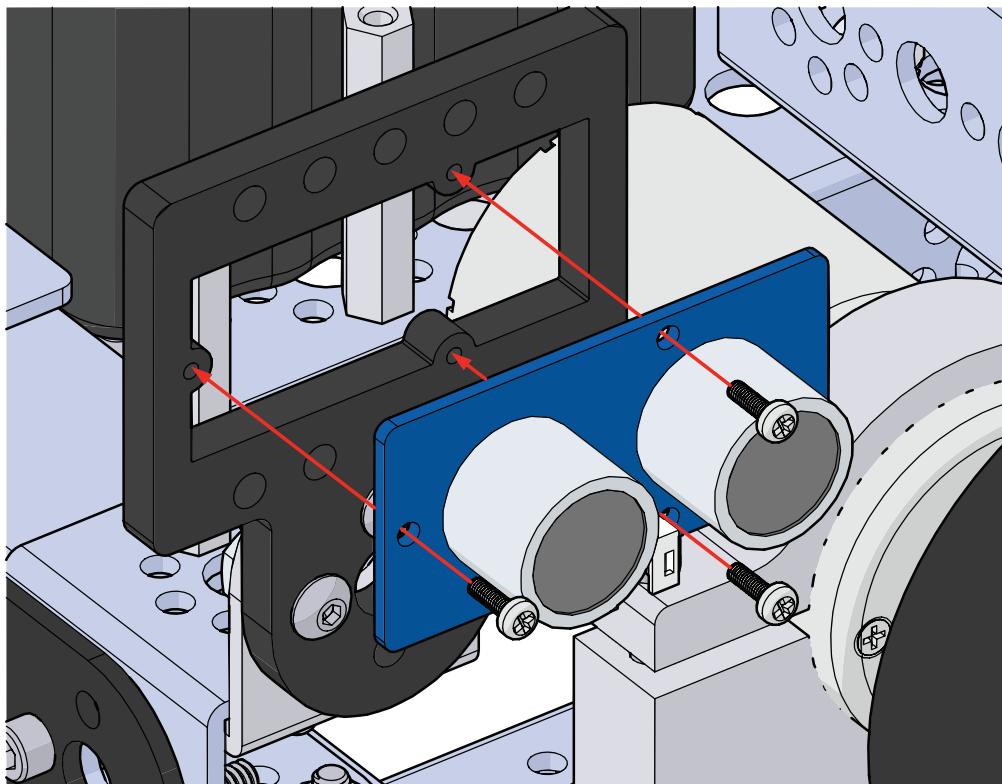
Step 1.19



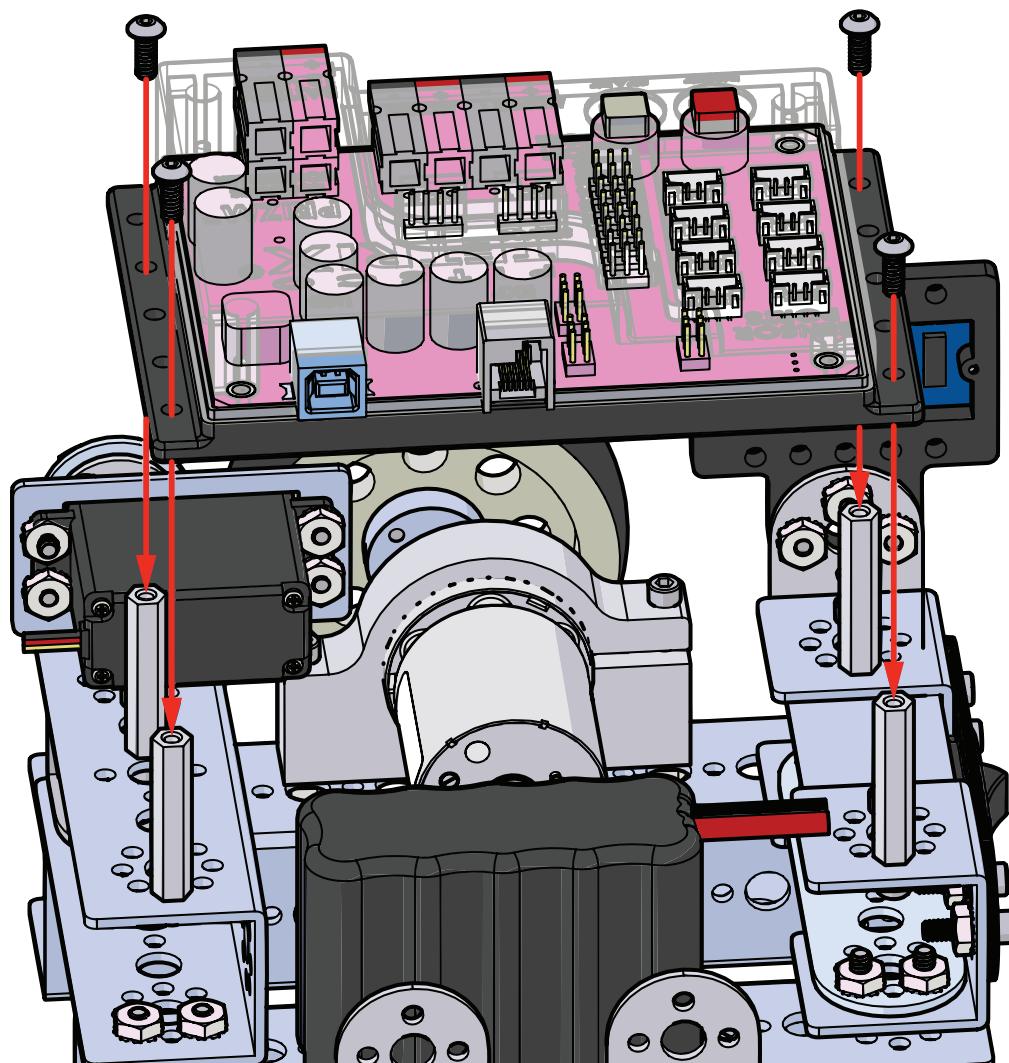
Step 1.20



Step 1.21



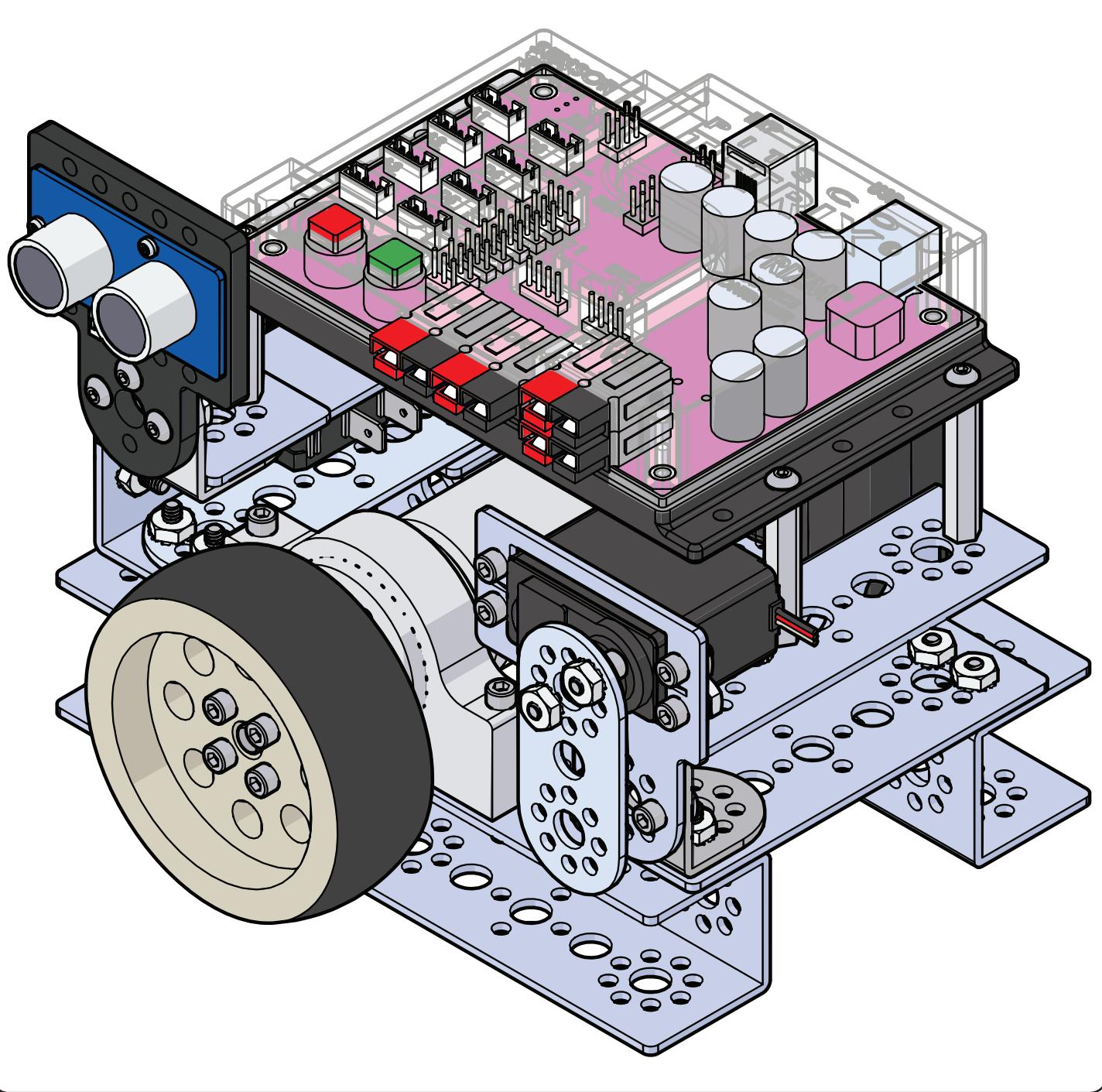
Step 1.22



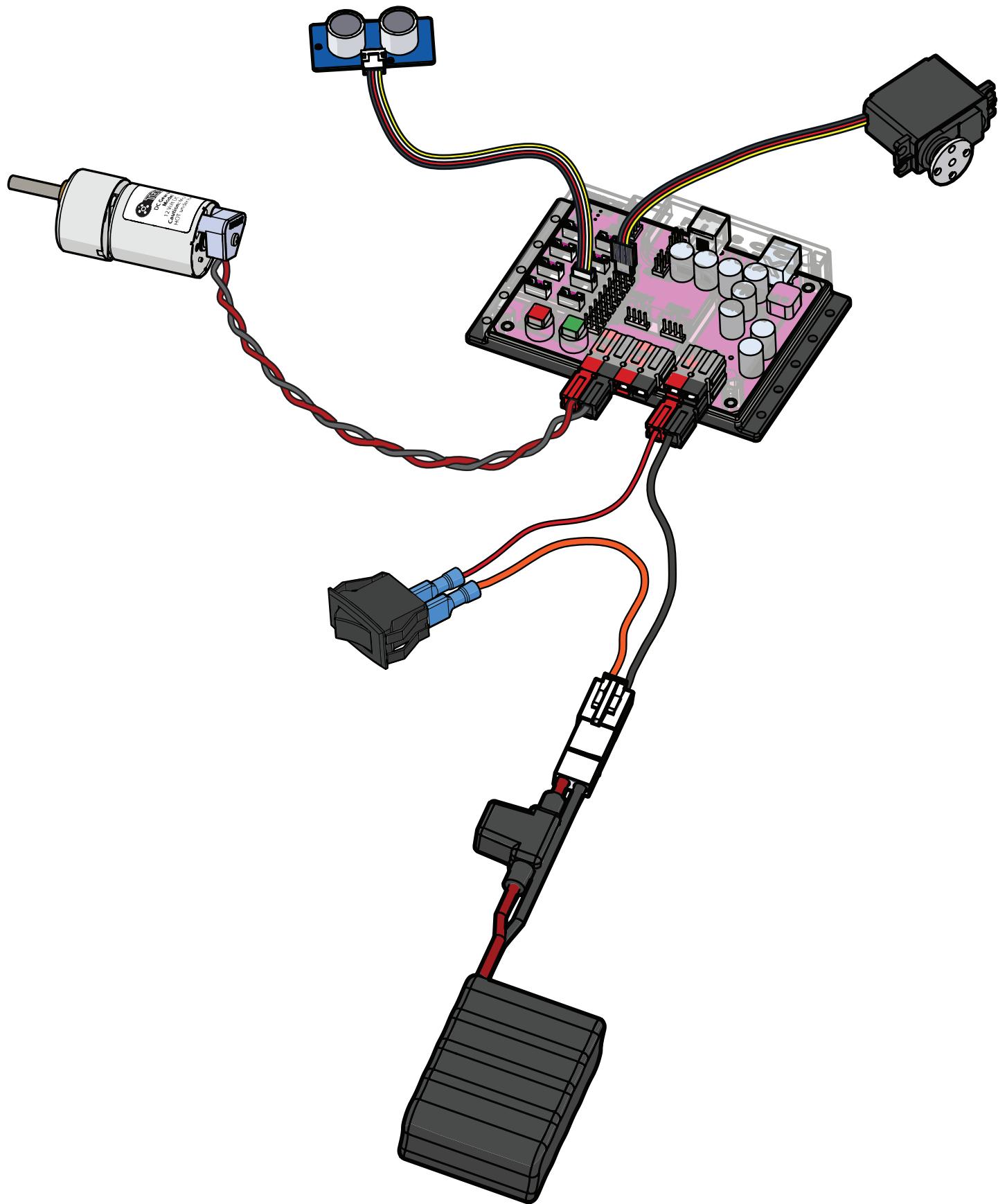
TIP: It is a good idea to finish all of the wiring before mounting the PRIZM controller to the Test Bed. See page 16 for wiring diagram.

TIP: This step uses the 3/8" BHCS.

Finished assembly should look like this.

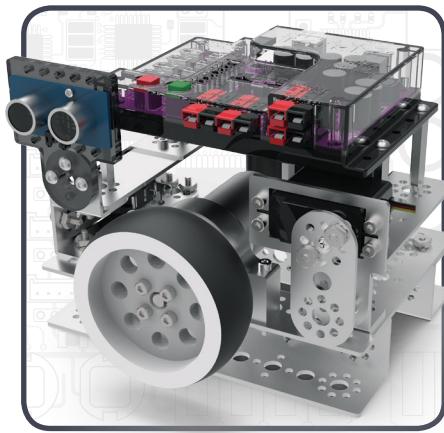


TETRIX PRIZM Test Bed Wiring Illustration





TETRIX® PRIZM™ Test Bed Building Instructions



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