

Adding the Kre8® Manual Controller

You Need

- Length of ribbon cable
- Robot with two motors
- Kre8® hand controller

Tools :-

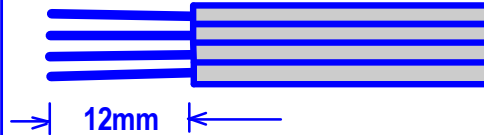
wire strippers and small screwdriver

1



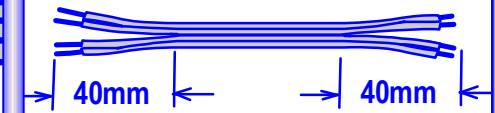
Strip one end of the ribbon cable 5mm long. (unless provided ready done)

2



Strip the other end of the ribbon cable 12 mm long (for linking to the motors).

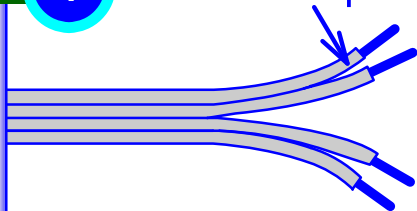
3



Split the ends into pairs of cables about 40mm long - use scissors to help.

4

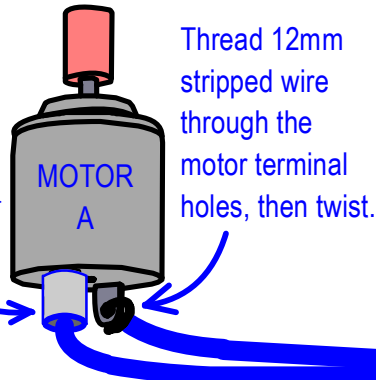
cut the pairs



Further split the pairs of cables into single wires. Repeat for other end.

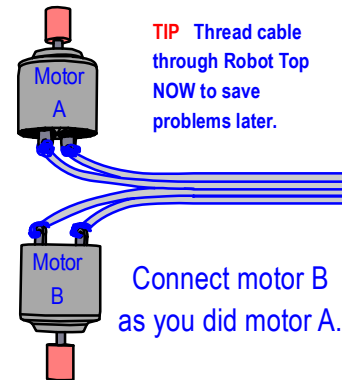
5

TIP
Sliding a short piece of 3.9mm diameter grey tube over the joint makes a neat connection.



Thread 12mm stripped wire through the motor terminal holes, then twist.

6

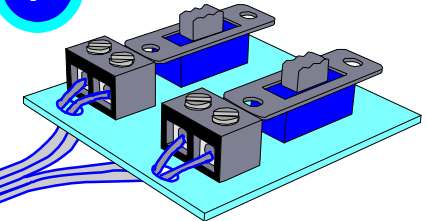


TIP Thread cable through Robot Top NOW to save problems later.

Connect motor B as you did motor A.

7

Add cable to controller



Thread wires through the holes, then insert wires in the connectors and tighten screws.

8

Completed Circuit

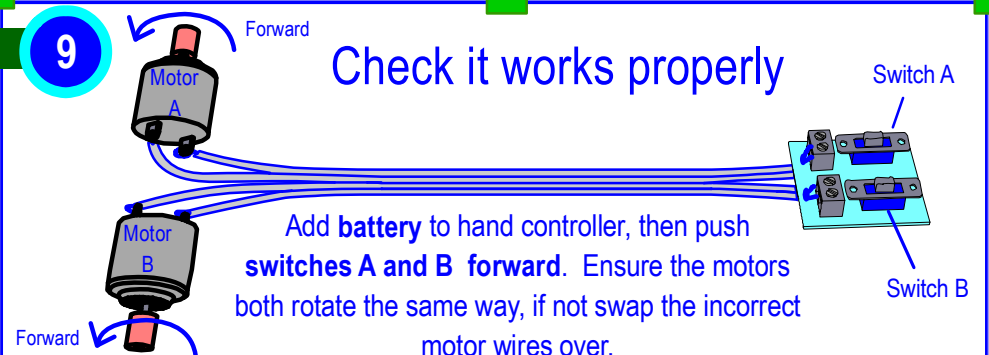


Make sure motor A wires connect to connector A.
Make sure motor B wires connect to connector B.

*Tip - Add a dot on motor pulley (as shown) so you can see which way the shafts rotate

9

Check it works properly



Add battery to hand controller, then push switches A and B forward. Ensure the motors both rotate the same way, if not swap the incorrect motor wires over.