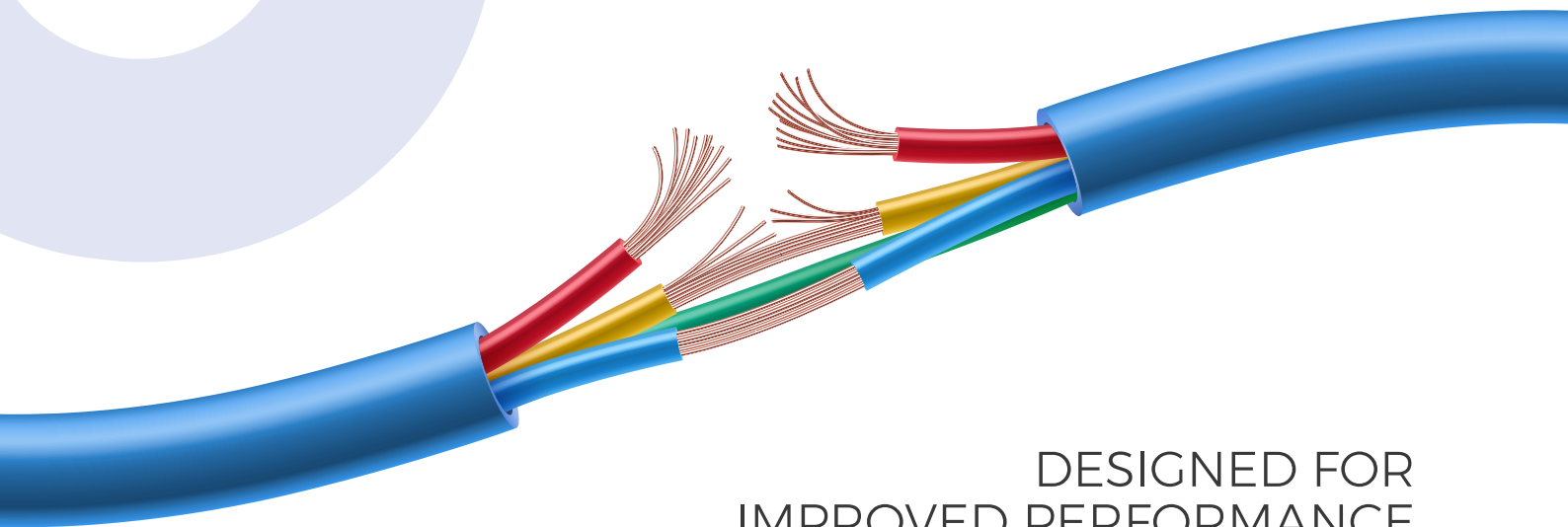




INSTALLING AND REPAIRING A CABLE

INSTRUCTION MANUAL



DESIGNED FOR
IMPROVED PERFORMANCE

Eliminating Downtime and Reducing Costs

MAG-DRIVE ONLINE SETUP GUIDE

Scan the QR code to properly setup your
One Motion Mag-drive

ONE MOTION MAG-DRIVE



INSTALLING A CABLE

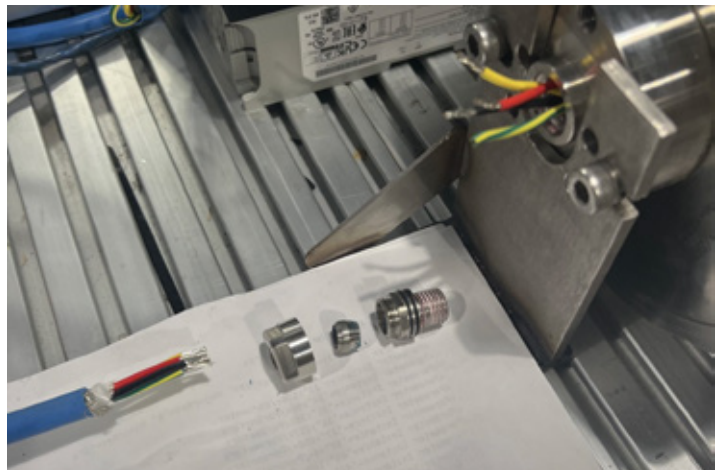
ON A FLYING LEAD

In this guide we will walk through the install / repair of a flying lead cable.

You will need:

Parts:

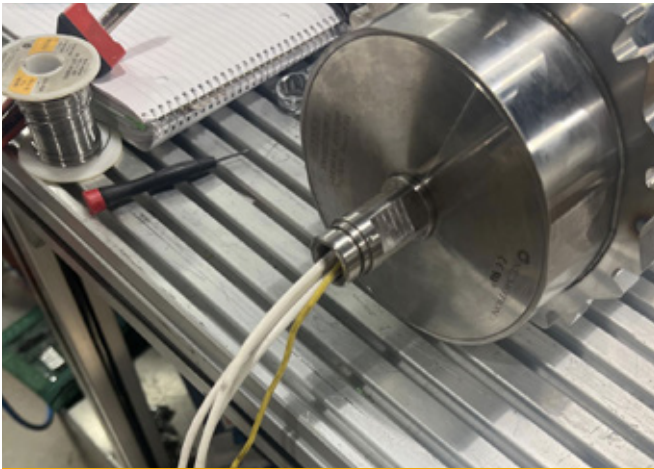
- x2 - (O ring) RAMO-300207-B
- x1 - (Ferrule Cap) RAMO-400865-K
- x1 - (Ferrule Fitting) RAMO-400866-K
- x1 - (Ferrule) RAMO-400818-K
- x1 - (Replacement 4 Strand Cable)



Tools:

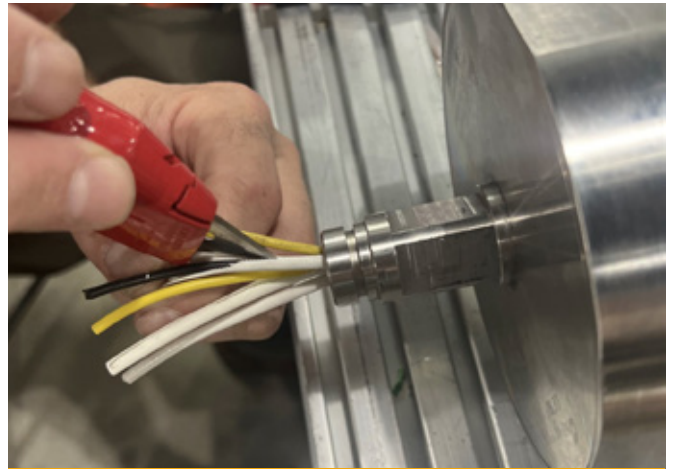
- 18mm box end wrench
- 17mm socket / ratchet
- Wire stripper
- Soldering iron / solder
- Heat shrink wrap
- Utility knife
- Heat gun
- Terminal caps
- Crimper
- Channel locks
- Mapp Gas / Propane Torch (for repairs)

Getting Started



1.

Start with motor out of box



2.

Cut back excess and remove sheathing to expose wires



3.

Cut back wires to leave about a half inch excess

(Be careful not to lose wires inside the motor.)

Strip wire tips.

Now start preparing new cable.





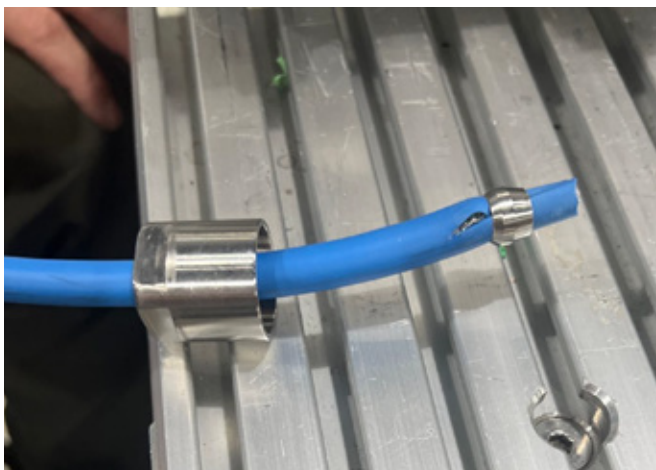
4.

Cut insulation back to expose the wire



5.

Cut back interior of cable to leave extra insulation



6.

Pass cap and ferrule over cable



7.

Take another cap for leverage and pull cable through the ferrule



8.

Pull cable through ferrule and slide ferrule fitting over cable



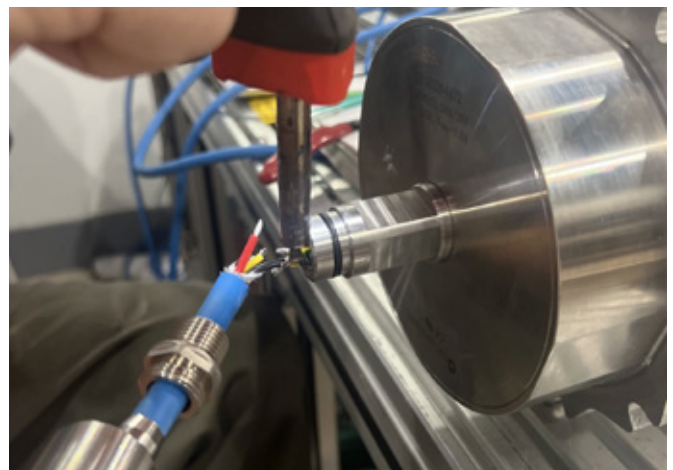
9.

Cut back insulation and strip each wire



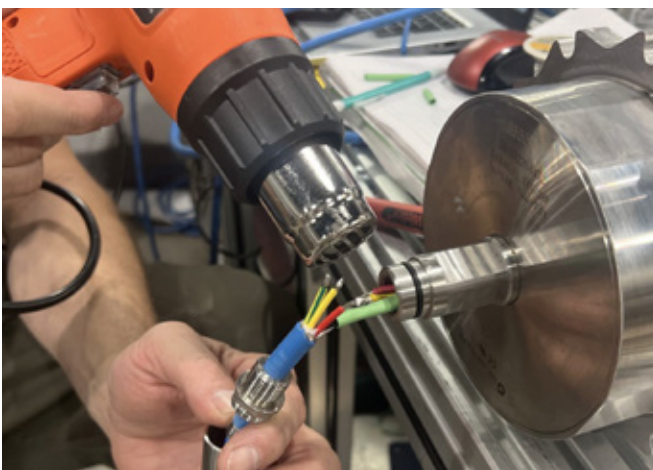
10.

Tin wire tips with solder



11.

Apply shrink wrap to motor wires before soldering



12.

Solder wires together and shrink wrap one at a time



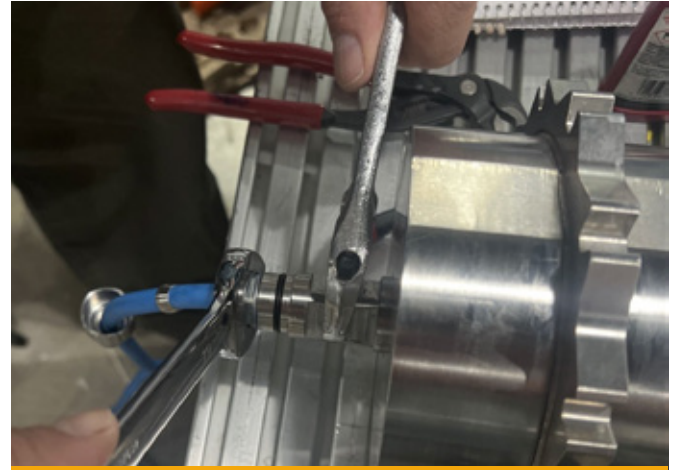
13.

Let wires and wrap cool after shrinking



14.

Apply loctite to ferrule fitting thread, lubricate wires, push wires into the motor



15.

Thread ferrule fitting into motor, tighten



16.

Move ferrule up cable toward ferrule fitting



17.

Thread ferrule cap onto ferrule fitting and tighten

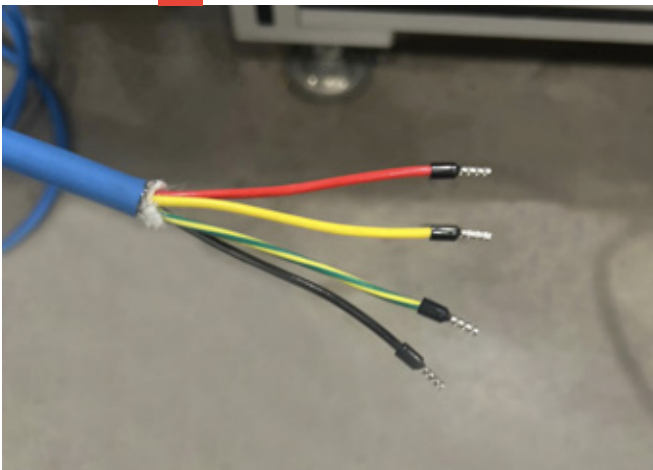
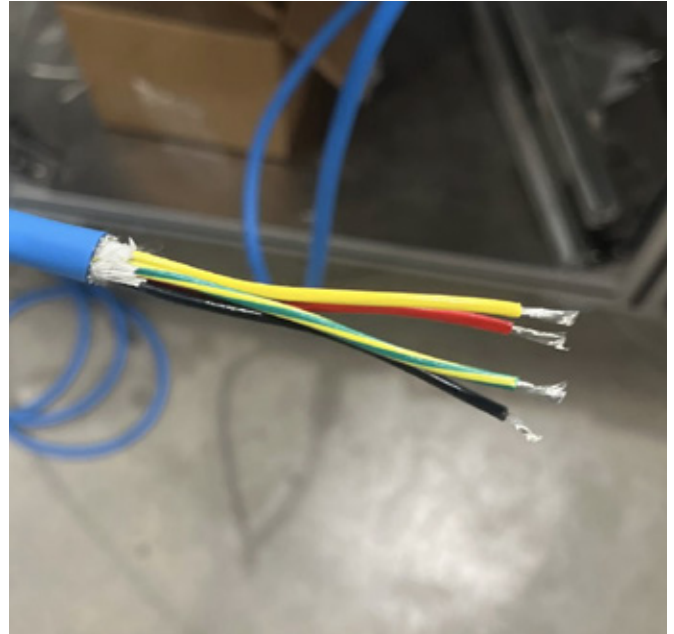


Motor end is complete.



18.

Strip opposite end of cable to expose wires



19.

Attach terminal fittings to wires and crimp



20.

Apply shrink wrap over wires

Inspect and clean motor if necessary.



Flying lead assembly complete.

REPAIRS

FOR DAMAGED OR BROKEN CABLE

Damaged or broken cable repair requires a torch on the ferrule fitting to release loctite.



- Remove ferrule cap to expose ferrule fitting and cut damaged wire away.
- Apply direct heat to ferrule fitting until loctite loosens.
- Remove fitting and cut cable back to expose motor wires.
- *Proceed with new cable installation.*