INSTALLATION INSTRUCTIONS
KIT, CONTACTOR DIODES

- Be certain that these supplemental instructions are read and understood completely before installation is attempted. You should also refer to the Service/Owner Manual for additional installation instructions and safety precautions.
- Check contents of this kit and notify Ricon immediately of any missing parts. Claims for damages that have occurred during shipping must be made to the shipper.

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- Under no circumstances is maintenance, repair, or adjustment of the product to be performed without the presence of an individual capable of giving aid.
- Give immediate attention to all injuries, and administer first-aid, or seek medical attention as necessary.
- Protective eye shields and clothing should be worn during maintenance, repair, and adjustment of the lift.
- Work in a properly ventilated area.
- Check for hidden obstructions before drilling and cutting. Avoid interference with wiring, fuel tank, fuel lines, hydraulic lines, subfloor members, etc.
- Read and understand all instructions before attempting to operate the product.
- Read and understand all instructions before attempting to perform maintenance, repairs, or adjustments to the product.
- Read and comply with warning labels attached to lift

I. INTRODUCTION

The purpose of this document is to outline the step-by-step procedure for installation of CONTACTOR DIODE KIT.

A. COMPONENTS

FT0156392-K01 KIT, S/K CONTACTOR RETROFIT		
P/N	**Description**	**QTY**
FT0156362-101	DIODE ASSY, CONTACTOR	2
FT0156391-101	HARNESS, JUMPER	1
26368	TERM, SLP M 16-14 FULINS	1

B. TOOLS REQUIRED

- Socket wrench set
- Wrench set
- Wire cutters
- Wire strippers
- Wire terminal crimping tool

II. RETROFIT INSTRUCTIONS

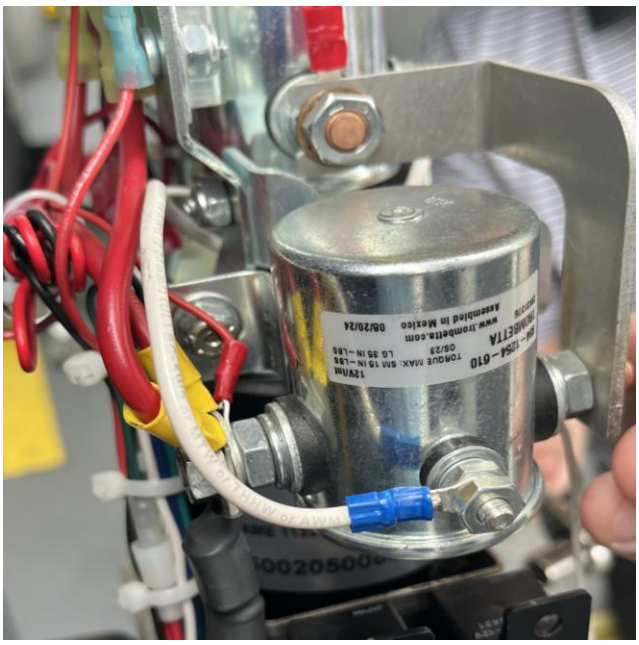
1. Power off the lift by tripping the lift breaker.

2. Remove the pump cover.

3. Locate Motor contactors
   a. 12vdc Lifts: The motor contactors are mounted on top and side of the pump motor.



Top Motor Contactor, 12vdc Lifts



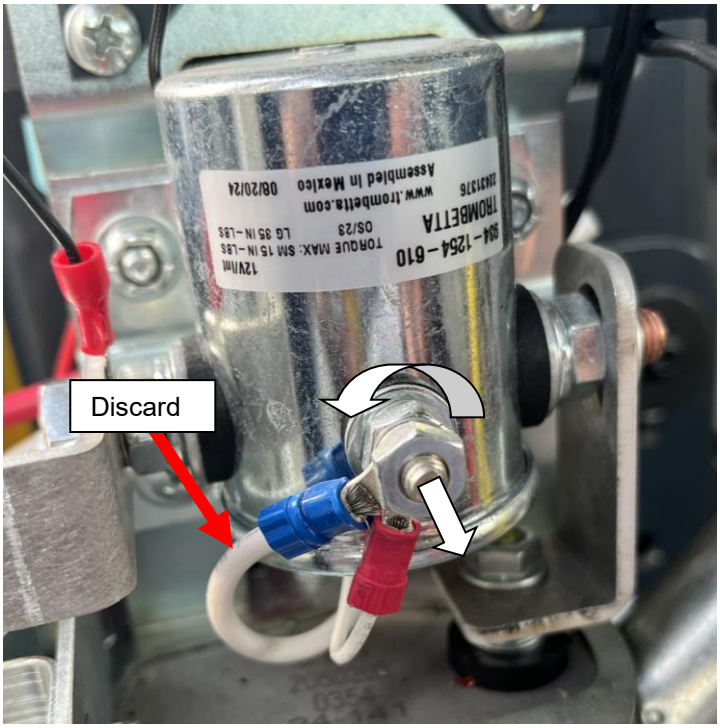
Side Motor Contactor, 12vdc Lifts

b. 24vdc lifts: Motor contactors are mounted at the bottom of the chassis.

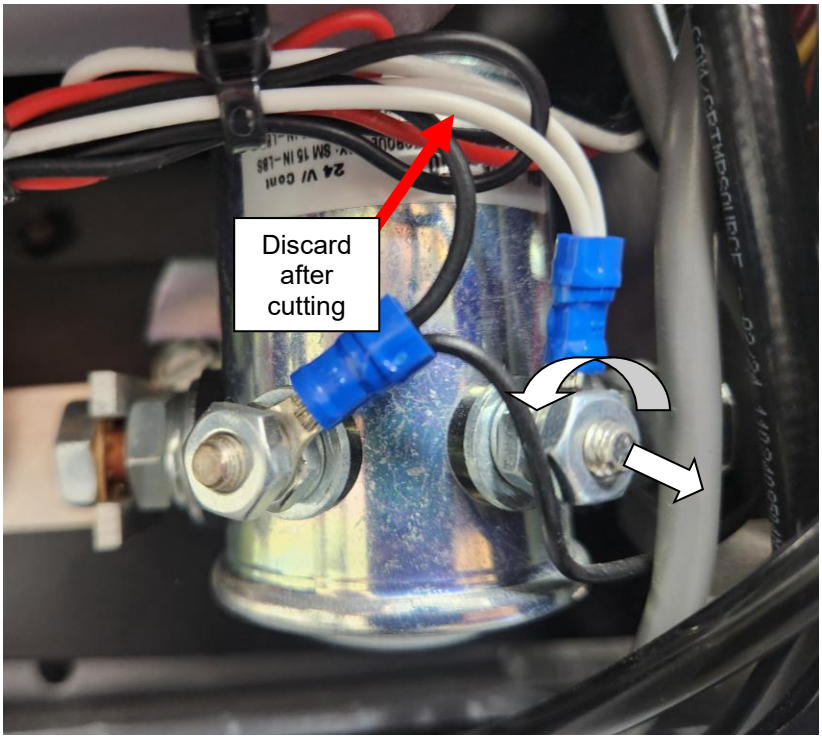


4. Wire Removal

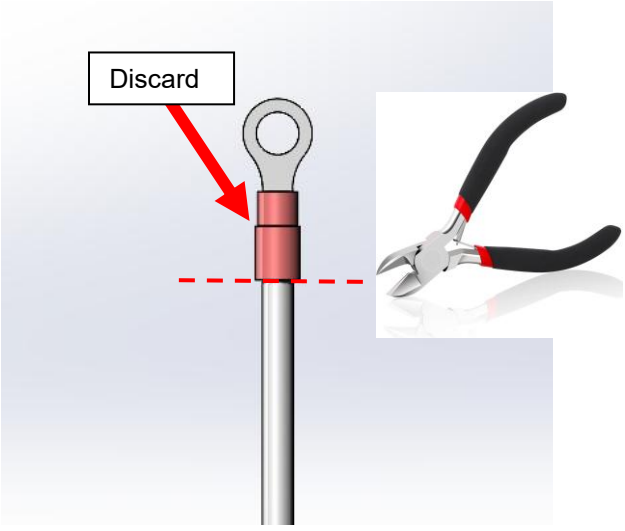
a. 12vdc Lifts: Remove nut and lock washer from both motor contactor coil studs and retain hardware for re-use. Discard the ring terminal jumper.



b. 24vdc Lifts: Remove nut and lock washer from both positive motor contactor studs and retain hardware for re-use.

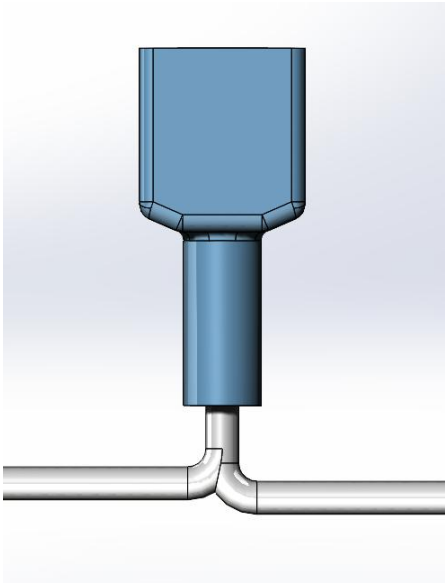


5. Cut off the ring terminals of the main harness and discard.

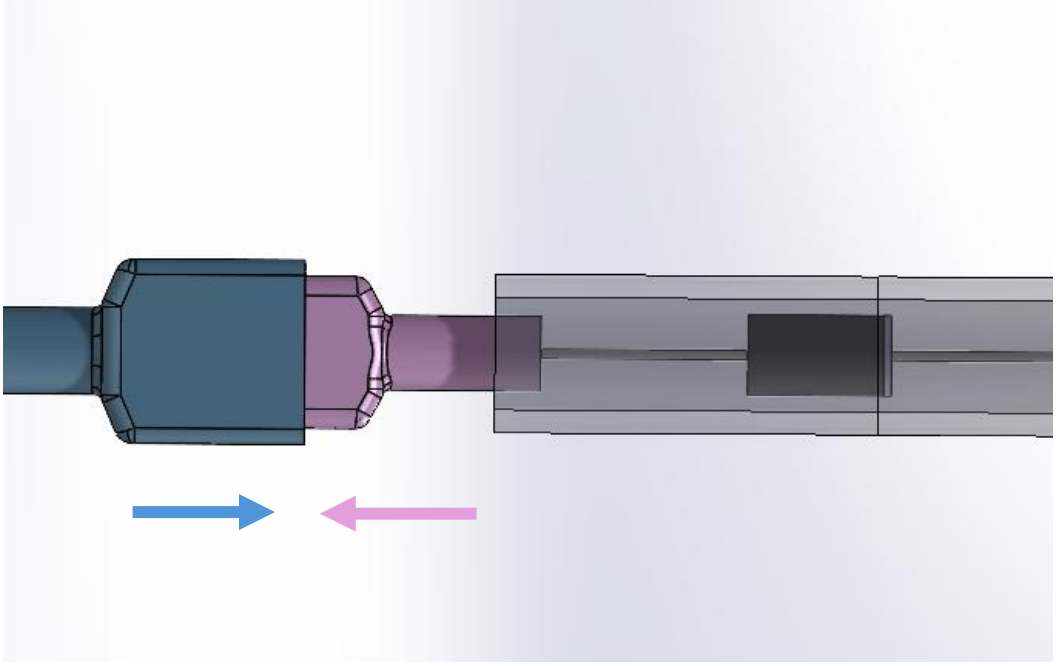


6. Strip the wire end of the new jumper cable (P/N FT0156391-101), and the wire from the main harness.

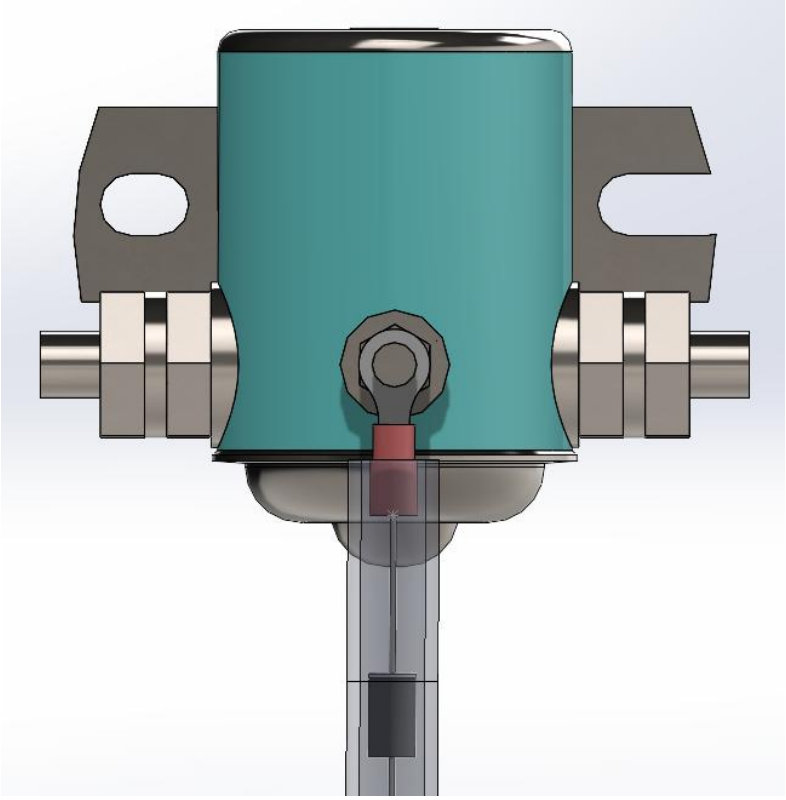
7. Crimp both wires together using the male faston terminal provided (P/N 26368).



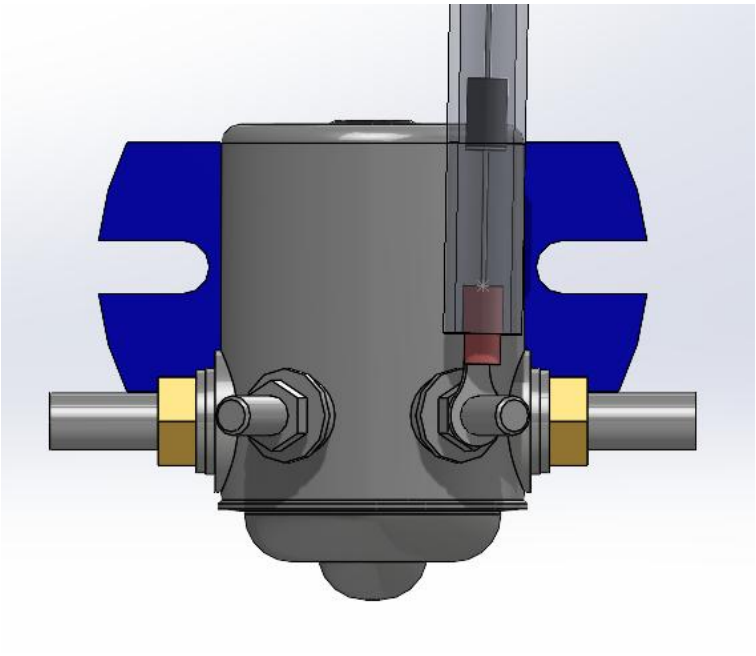
8. Install the diode assy's onto the wires by connecting each diode to the faston terminals.



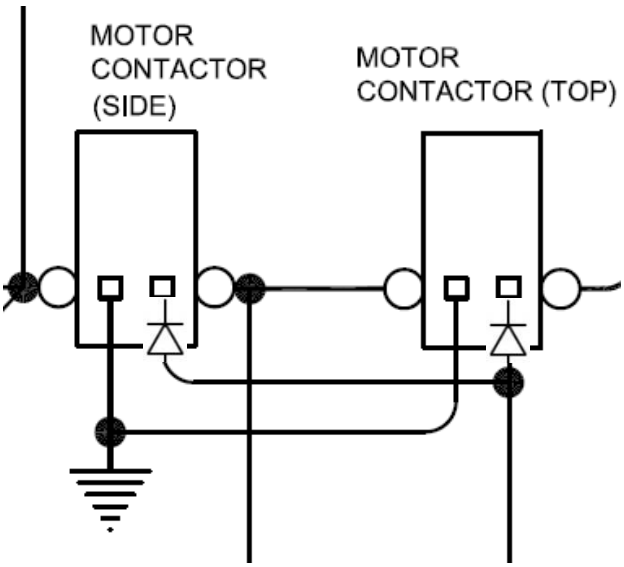
9. Install the diode assy's onto the contactor coil terminals using the previously removed hardware. Adjust the wire routing as necessary before tightening the hardware.



12vdc Lifts



24vdc Lifts


MOTOR
CONTACTOR
(SIDE)
MOTOR
CONTACTOR (TOP)

Functional Verification

1. Reset the lift breaker and power on the lift
2. Starting at the Stowed position, run the lift through ten complete cycles using the pendant.
    a. Deploy to floor level
    b. Lower to the ground
    c. Raise to floor level
    d. Stow to the stowed position
3. Verification satisfactory if the platform moves to all the indicated positions for ten cycles.