



INSTALLATION INSTRUCTIONS REPLACEMENT OF CLUTCH ASSEMBLY KIT #19573 & #19573L

- Be certain that these instructions are read and understood completely before installation is attempted. 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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WARNING

THIS RICON PRODUCT IS HIGHLY SPECIALIZED. AN AUTHORIZED RICON SERVICE TECHNICIAN MUST PERFORM MAINTENANCE AND REPAIRS USING RICON REPLACEMENT PARTS. MODIFYING OR NOT PROPERLY MAINTAINING THIS PRODUCT WILL VOID THE WARRANTY, AND MAY RESULT IN UNSAFE OPERATING CONDITIONS.

- DO NOT ATTEMPT MAINTENANCE, REPAIRS, OR ADJUSTMENTS WITHOUT THE PRESENCE OF A PERSON CAPABLE OF RENDERING FIRST AID.
- TAKE NOTICE OF ALL INJURIES, REGARDLESS OF HOW SLIGHT. ADMINISTER FIRST AID OR SEEK MEDICAL ATTENTION IMMEDIATELY.
- WEAR PROTECTIVE EYE SHIELDS AND APPROPRIATE CLOTHING AT ALL TIMES.
- WORK IN A PROPERLY VENTILATED AREA. DO NOT SMOKE, OR USE AN OPEN FLAME, NEAR THE BATTERY.
- EXERCISE CAUTION WHEN OPERATING LIFT TO AVOID INJURY. BE CERTAIN THAT HANDS, FEET, LEGS, AND CLOTHING ARE NOT IN THE PATH OF THE PLATFORM AS IT MOVES.
- BE CAUTIOUS WHEN USING METALLIC (CONDUCTIVE) TOOLS NEAR THE BATTERY.
- IF BATTERY ACID CONTACTS SKIN, WASH AREA IMMEDIATELY WITH SOAP AND WATER.
- THOROUGHLY UNDERSTAND THE OPERATING INSTRUCTIONS BEFORE ATTEMPTING TO OPERATE LIFT.
- KEEP OTHERS CLEAR DURING LIFT OPERATION.

I. INTRODUCTION

The purpose of this document is to outline the step by step procedure for replacing clutch assembly on F9A and F9T models.

II. TOOLS REQUIRED

1/2" open end or box end wrench

Screwdriver

III. REMOVAL OF OLD CLUTCH ASSEMBLY

NOTE: Sections III and IV apply to left and right side configurations.

1. Deploy lift using control pendant.



WARNING

- WEAR PROTECTIVE CLOTHING AND EYE PROTECTION AT ALL TIMES. BATTERIES CONTAIN ACID THAT CAN BURN. IF ACID COMES INTO CONTACT WITH SKIN, IMMEDIATELY FLUSH AFFECTED AREA WITH WATER AND WASH WITH SOAP.
- ALWAYS WORK IN A PROPERLY VENTILATED AREA. DO NOT SMOKE OR USE AN OPEN FLAME IN THE VICINITY OF BATTERY.
- DO NOT LAY ANYTHING METALLIC ON TOP OF BATTERY.

2. Disconnect positive battery cable at vehicle battery compartment.
3. Refer to **Figure 1**. Insert manual release tool onto platform release shaft and turn 90° counterclockwise to unlock carriage assembly.



FIGURE 1: UNLOCKING CARRIAGE ASSEMBLY



WARNING!

THE SERVICE ACCESS PANEL IS HINGED ALONG THE REAR EDGE AND SHOULD BE HELD UP WHILE REMOVING THE RETAINING SCREWS AT THE FRONT EDGE. THIS WILL PREVENT PANEL FROM FALLING AND CAUSING INJURY AND DAMAGE.

4. Refer to **Figure 2**. Open access door by removing retaining screws on each side.

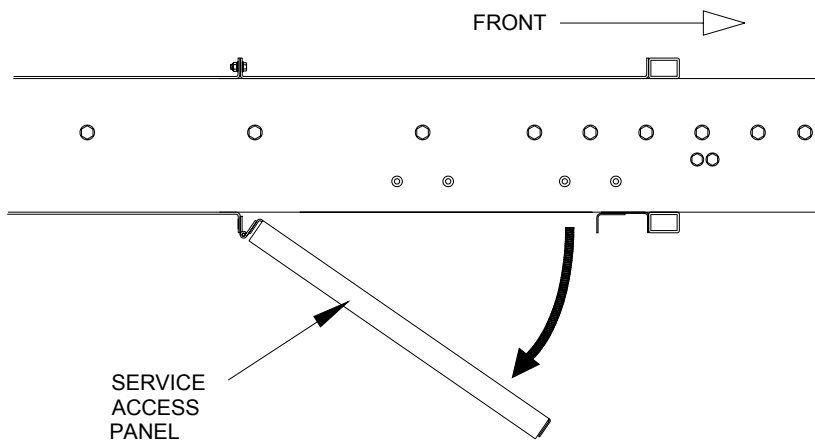


FIGURE 2: OPENING ACCESS DOOR (LEFT SIDE VIEW)

5. Refer to **Figure 3**. Move carriage assembly so that clutch assembly and motor are positioned over access door.

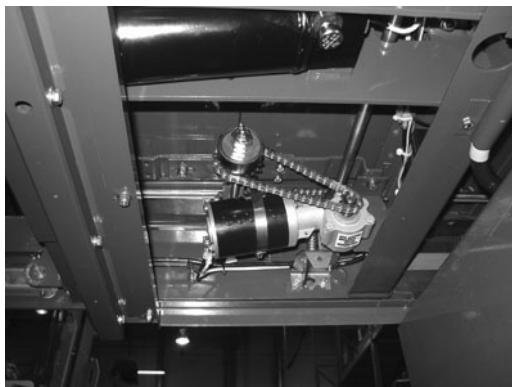


FIGURE 3: POSITION OF CLUTCH ASSEMBLY FOR PROCEDURE

6. Insert manual release tool onto platform release shaft and turn 90° clockwise to lock carriage assembly.

 WARNING!
LOCK CARRIAGE ASSEMBLY WHILE PERFORMING MAINTENANCE OR REPAIRS TO PREVENT UNINTENDED MOVEMENT THAT COULD RESULT IN PERSONAL INJURY OR DAMAGE TO PRODUCT.

7. Refer to **Figure 4**. Loosen motor nuts.
8. Refer to **Figure 4**. Remove motor clamp.

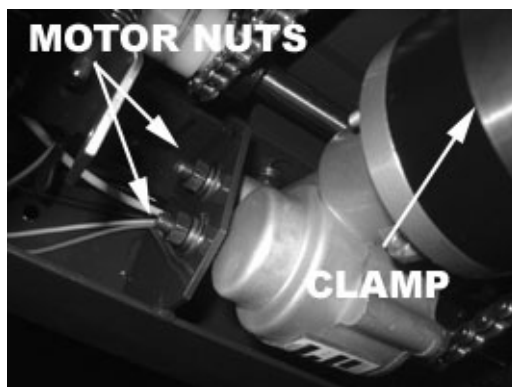


FIGURE 4: LOOSENING BOLTS AND REMOVAL OF CLAMP

9. Move motor toward driveshaft to loosen chain by inserting a small pry bar between motor and front of carriage to gain leverage.

10. Refer to **Figure 5**. Remove bolts from support bracket assembly.
11. Refer to **Figure 5**. Remove chains from sprocket and clutch assembly.

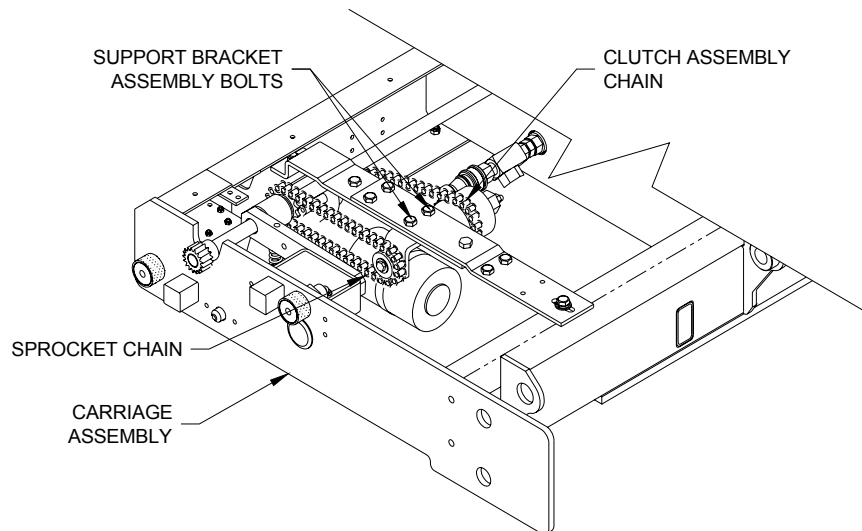


FIGURE 5: REMOVING SUPPORT BRACKET BOLTS (LEFT SIDE VIEW)

12. Remove clutch assembly.

IV. INSTALLATION OF NEW CLUTCH ASSEMBLY

NOTE: Sections III and IV apply to left and right side configurations.

1. Refer to **Figure 5**. Position new clutch assembly.
2. Refer to **Figure 5**. Secure support bracket assembly with two bolts.
3. Refer to **Figure 5**. Install chains around sprocket and clutch assembly.
4. Tighten motor nuts finger tight.
5. Install clamp onto motor and secure to support bracket assembly. Tighten clamp bolt finger tight.
6. Refer to **Figure 6**. Move motor to restore chain tension by inserting a small pry bar between motor and driveshaft.

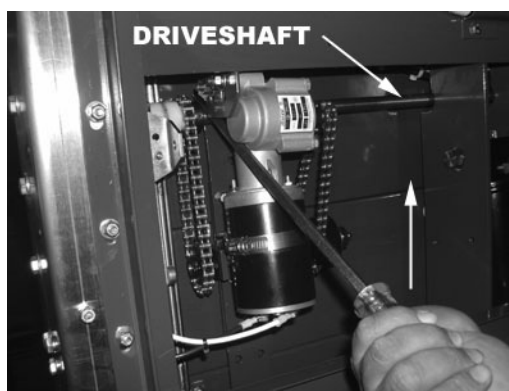


FIGURE 6: RESTORING TENSION TO MOTOR CHAINS

7. Verify chain tension is .030".
8. Fully tighten motor bolts.
9. Fully tighten clamp bolt.
10. Close access door and secure with retaining screws.
11. Unlock carriage assembly using manual release tool.

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- ALWAYS WORK IN A PROPERLY VENTILATED AREA. DO NOT SMOKE OR USE AN OPEN FLAME IN THE VICINITY OF BATTERY.
- DO NOT LAY ANYTHING METALLIC ON TOP OF BATTERY.

12. Reconnect positive battery cable at vehicle battery compartment.

13. Stow lift using control pendant.

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