



**INSTALLATION INSTRUCTIONS  
S-SERIES COUNTER KIT # 01284**

- 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.

<b>TABLE OF CONTENTS</b>	<b>PAGE</b>
I. INTRODUCTION .....	1
II. TOOLS REQUIRED .....	1
III. PROCEDURE .....	2

**I. INTRODUCTION**

The purpose of this document is to outline the step by step procedure of installing a counter on the lift.

**II. TOOLS REQUIRED**

Phillips Screw Driver

### III. PROCEDURE

#### A. REMOVE POWER FROM THE LIFT.

#### B. INSTALL MOUNTING BRACKET.

1. Locate the two empty holes just above and to the right and left of the solenoid can on the solenoid bracket.
2. Carefully remove the circuit breaker from the bracket to gain access to the holes.
3. Cut the wire tie holding the 10AWG red wire to the bracket. The hole used in tying this wire to the bracket is needed for mounting the counter.
4. Remove the two 8-32 machine screws from the side of the counter. Align the mounting holes on the counter bracket with the holes on the solenoid bracket. Use the 8-32 machine screws to mount the counter bracket to the solenoid bracket.

#### C. INSTALL HARNESS.

1. Locate the diode block in the pump harness. It has a two pin Molex connector on one side and a one pin Molex connector on the other side.
2. Cut the necessary nylon wire ties to allow separation of the diode block from the rest of the harness, being careful not to nick or damage any wires. If wire damage occurs or is observed, please contact Ricon Service Department for further instructions.
3. Separate the two-pin Molex male and female connectors from each other. Install the end of the counter harness between the pump harness connector and the diode block connector.

#### D. RE-CONNECT POWER AND TEST FOR FUNCTIONALITY.

The functionality of the counter is such that when the “down” function is selected, the counter is readied for a count and when the “up” function is selected the counter counts once. Pushing “up” multiple times without pushing “down” should not produce more than one count. Please call Ricon Service Department if this proves not to be the case.

#### E. DRESS WIRES WITH PROVIDED WIRE TIES.

The 10AWG power wire cut loose in step 2.c. can be tied to the main 4AWG power wire once the main is re-installed. Use the long cable tie provided to tie the orange/black counter harness to the side of the motor. Re-dress any wires cut loose in step 3.b.; include the orange/black counter harness.

**NOTE:** Route wires in such a way as to not allow rubbing on corners of the pump structure. If this condition is not avoidable, wrap the contact area with at least 5 layers of vinyl electrical tape and secure the harness to the structure to eliminate the possibility of abrasion.