



**INSTALLATION INSTRUCTIONS**  
**S1000/1200 SERIES LIFTS KICK OUT SPRING KIT # 1115**

- Read and understand supplemental instructions completely before installation is attempted. Refer to the Service/Owner Manual for additional installation instructions and safety precautions.
- Check contents of kit. Immediately notify Ricon of any missing parts. Claims for damages that have occurred during shipment must be made to the shipper.

<b>TABLE OF CONTENTS</b>	<b>PAGE</b>
I. INTRODUCTION .....	1
II. TOOLS REQUIRED .....	1
III. S-1000 .....	1
A. PREPARATION .....	1
B. INSTALLATION .....	2
IV. S-1200 .....	3
A. PREPARATION .....	3
B. INSTALLATION .....	4

**I. INTRODUCTION**

The following instructions are intended to cover installation of the kick out spring kit for S1000 or S1200 Series lifts. This kit includes all the parts needed to complete the installation. Please follow these instructions thoroughly and do not cut any corners, or eliminate any steps. Call our service department if you need assistance.

**II. TOOLS REQUIRED**

Center punch	7/16 wrench	Drill motor with 3/8 chuck
1/4 Allen wrench	Size "L" drill bit	

### III. S-1000

#### A. PREPARATION

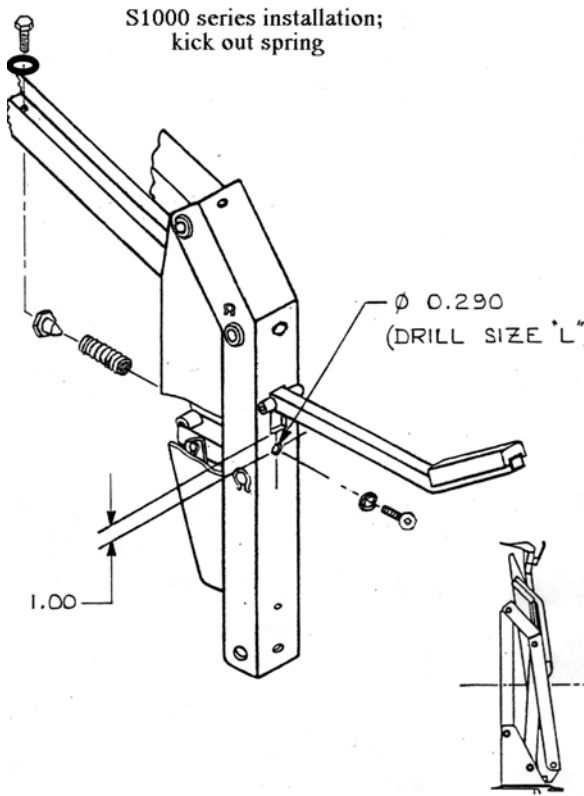
1. Drill Mounting Holes:
  - a. Fold lift.
  - b. Locate mounting hole locations on vertical arms as illustrated on **Figure [1]**.
  - c. Spot these locations with center punch and drill through each vertical arm.
  - d. Once through vertical arm, carefully align drill bit as square as possible with vertical arm surface and drill through lower parallel arm **Figure [1]**.
  - e. Remove all burrs before proceeding.

**NOTE:** Location of hole on the vertical arm is important, and should not vary vertically more than +/- 1/32".

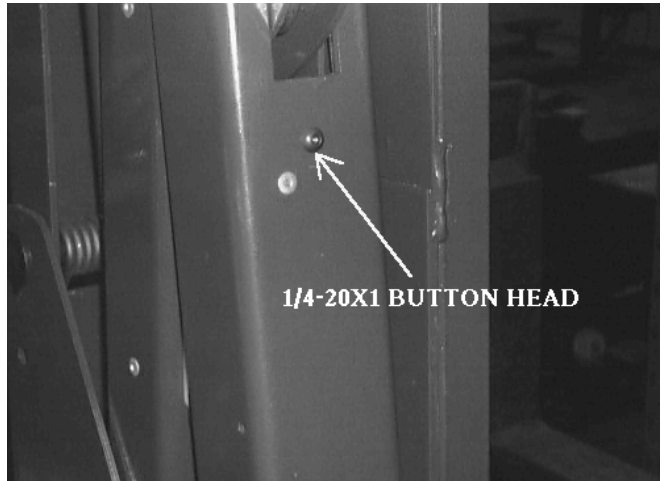
#### B. INSTALLATION OF SPRING AND SPRING GUIDE

1. Using 1/4-20X1 Button head screws provided, install spring inside vertical arm as shown **Figures [1], [2], [3]**.
2. Install spring guide on bottom face of lower parallel arm using 1/4-20X1/2 bolt as shown **Figures [1] & [4]**.
3. Be sure lift closes normally after installation. Spring guide must engage spring to assure proper operation.

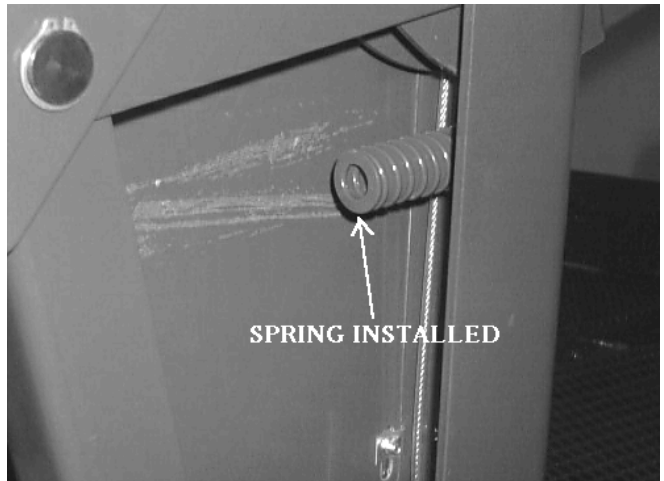
**NOTE:** Some spring bases may not be perfectly square. If so, install the spring so that it points upward.



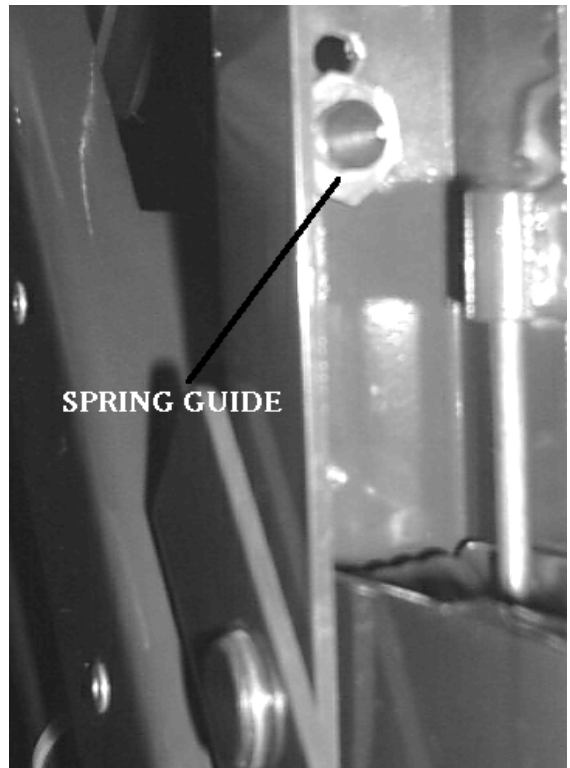
**FIGURE [1]: HARDWARE LOCATIONS ON S1000 SERIES LIFTS**



**FIGURE [2]: LOCATION OF 1/4-20X1 BUTTON HEAD**



**FIGURE [3]: LOCATION OF SPRING MOUNTED**



**FIGURE [4]: SPRING GUIDE INSTALLED**

## IV. S-1200

### A. PREPARATION

If the S-1200 Series lift in your possession has these holes pre-drilled at assembly go to step B, if not continue with this operation.

#### 1. Drill Mounting Holes:

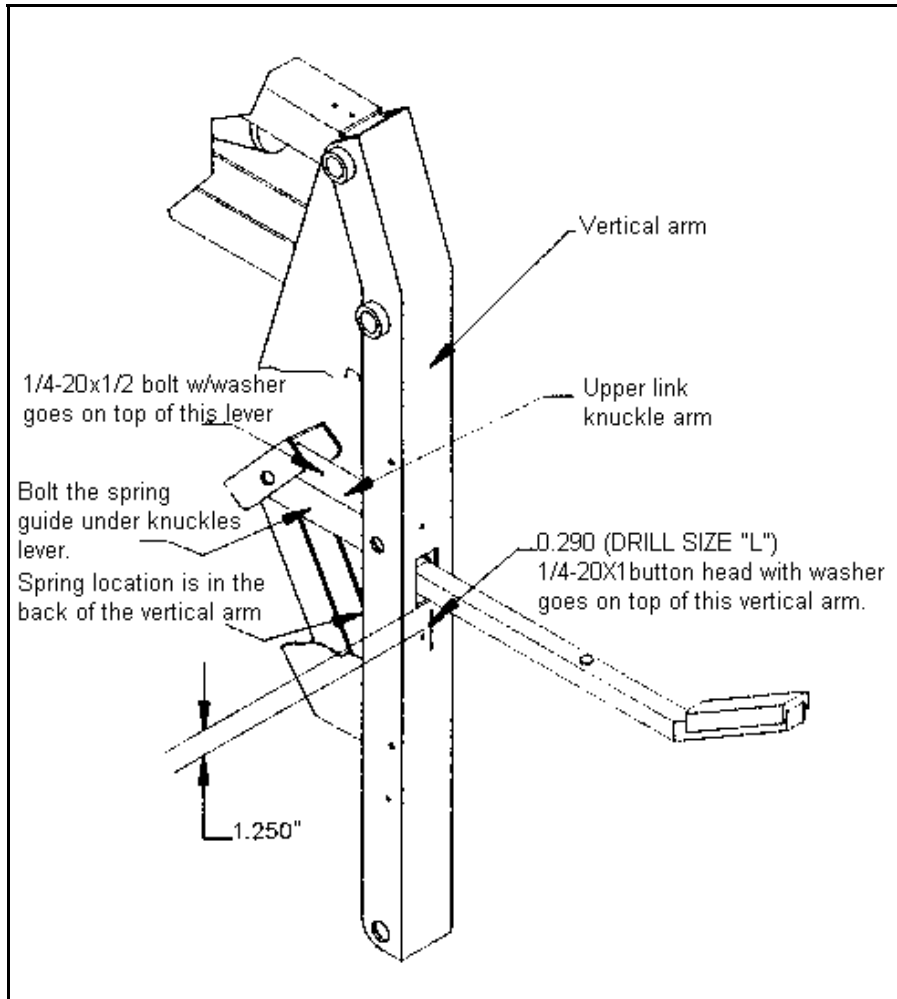
- a. Fold lift
- b. Locate mounting hole locations on vertical arms as illustrated on **Figure [5]**.
- c. Spot these locations with center punch and drill through each vertical arm.
- d. Once through vertical arm, carefully align drill bit as square as possible with vertical arm surface and drill through upper link knuckle arm **Figure [5]**.
- e. Remove all burrs before proceeding.

**NOTE:** Location of hole on vertical arm is important, and should not vary vertically more than  $\pm 1/32$ ".

## B. INSTALLATION OF THE SPRING AND SPRING GUIDE

1. Using 1/4-20X1 Button head screws provided, install spring inside vertical arm as shown **Figures [2], [3], [5]**.
2. Install spring guide on bottom face(under) of knuckle lever using 1/4-20X1/2 bolt as shown **Figures [4] & [5]**.
3. Be sure lift closes normally after installation is completed. Spring guide must engage spring to assure proper operation.

**NOTE: Some spring bases may not be perfectly square. If so, install spring so that it points upward.**



**FIGURE [5]: HARDWARE LOCATIONS ON S1200 SERIES LIFTS**

## NOTES