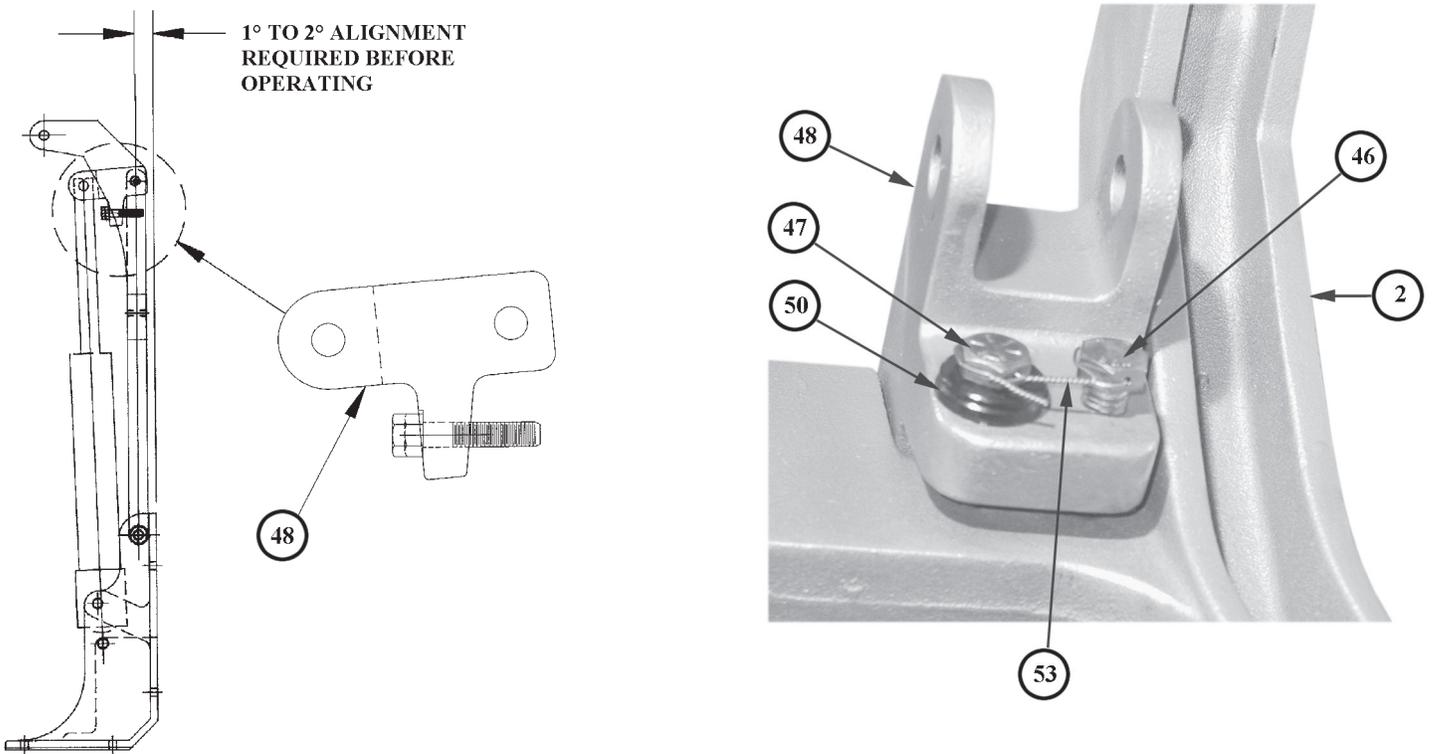


# LADDER ACCESS SYSTEM (LAS)

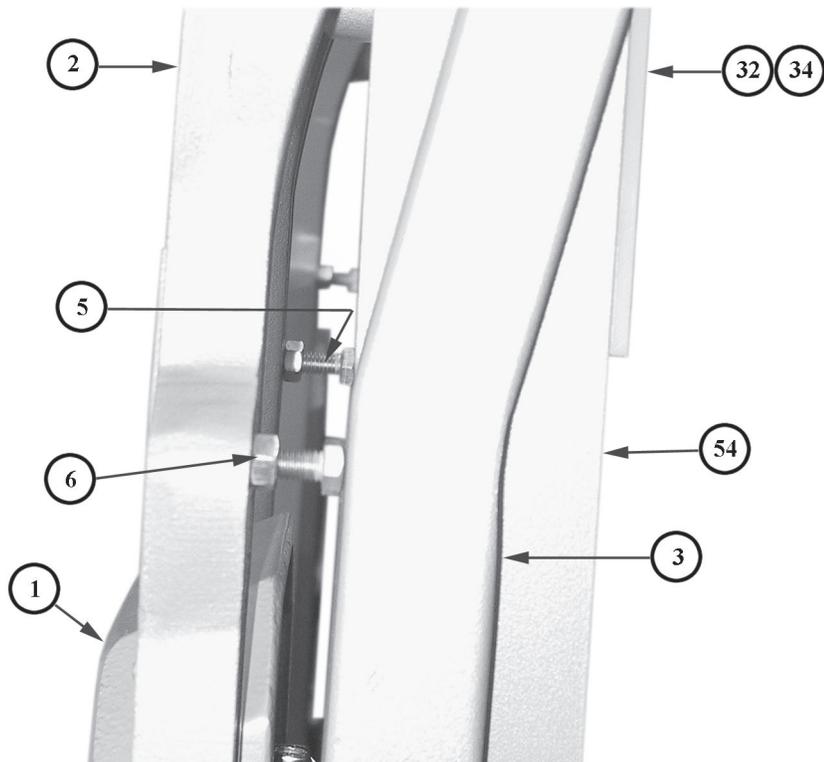
## ACTUATOR INSTALLATION & ADJUSTMENT

*If your LAS is equipped with a manual or electric locking system, see Step 22 before you begin.*

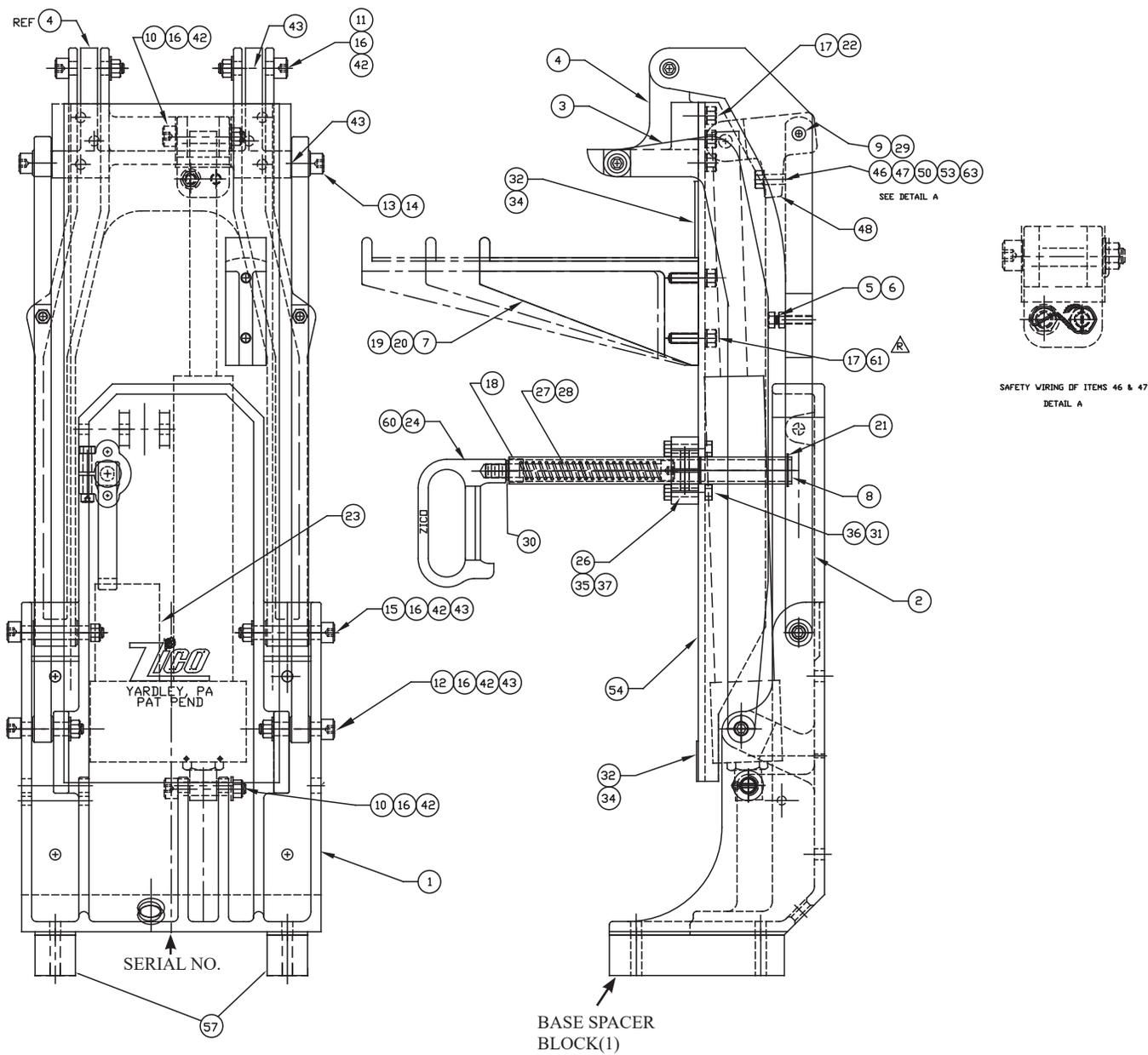
1. Lower the LAS approximately halfway and remove any ladders.
2. Remove the channel support by loosening the six (6) sockethead cap screws (Item 22) that attach to the pivot support (Item 4).
3. Before removing the malfunctioning actuator, secure the unit by attaching a chain or bungy cord to the pivot support and anchoring the other end to the truck.
4. With unit secured, remove the 3/8-16 1/2" x 2" shoulderbolt (Item 10) at the top of the actuator, and lay the actuator down against the unit base.
5. Remove the 3/8-16 1/2" x 2" shoulderbolt (Item 10) at the base of the actuator and remove the malfunctioning actuator from the unit. **Be sure that the unit remains secure and that the actuator has been unplugged at connector before removing.**
6. With the actuator removed from the unit, turn IN both adjusting bolts on each side of the inside arm (Items 5 & 6; see Figure 2).
7. Remove the safety wire from the hardware (Items 46 & 47) on the actuator retainer casting.
8. Back out both Items 46 & 47 on the retainer casting until the casting becomes loose and moves freely.
9. Place the new actuator into the unit and attach the lower end using the 3/8-16 1/2" x 2" shoulderbolt (Item 10), then tighten.
10. Reconnect the actuator plug to power it.
11. Raise the actuator until it reaches just below the actuator retainer casting (Item 48).
12. With the second 3/8-16 1/2" x 2" shoulderbolt in hand, manipulate the actuator and the inside arm until the holes on each line up, then slide the shoulderbolt through and tighten.
13. Raise the unit back up until actuator ratchets.
14. To begin your adjustment, turn Item 47 back IN a couple of turns, then tighten Item 46 so that the retainer tightens to the inside arm.
15. Measure the distance from the back of the inside arm to the back of the base or mounting surface as shown (see Figure 4). It should measure 3/8". If not, repeat Step 14 until it measures 3/8".
16. Turn out the adjusting bolts (Items 5 & 6) on the inside arms while pulling on the outside arms until it's tight against the outside arms and there is no movement in the system.
17. Lower the unit slightly and turn both adjusting bolts on the inside arm one (1) more full turn OUT, then tighten.
18. Raise the unit back up until actuator ratchets.
19. Using a straight edge or the mounting surface (see Figure 4) against the back of the base, measure the distance from the straight edge to the back of the inside arm. It should measure 5/8".
20. If your measurement does not read 5/8", then back IN the inside arm adjusting bolts and repeat procedures from Step 14. (Short of 5/8" = loosen Item 46 and back out Item 47. Longer than 5/8" = loosen Item 46 and turn in Item 47.)
21. Once proper adjustment is achieved, replace the safety wire (provided with new actuator) as shown in Figure 1. Then lower the unit and reattach the channel support with the appropriate hardware.
22. If you have a manual or electric locking system on your LAS unit, then your setting measurement at Step 15 would be 1/4" and not 3/8". Also, your setting measurement at Step 19 would be 1/2" and not 5/8".



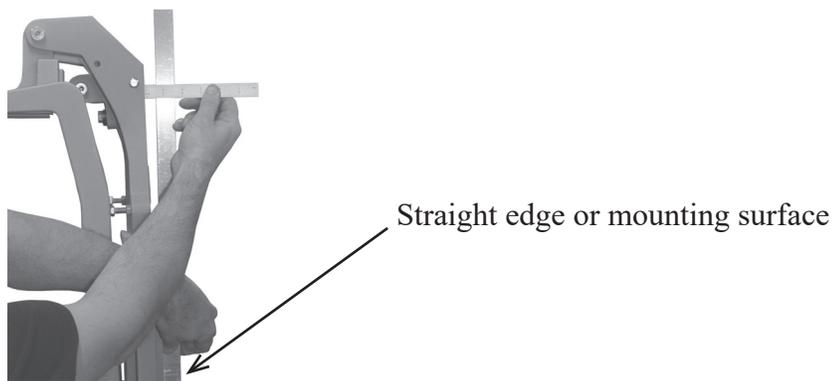
**FIGURE 1**



**FIGURE 2**



**FIGURE 3 MODEL LAS-\_\_\_\_\_**



**FIGURE 4**

Notes



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