

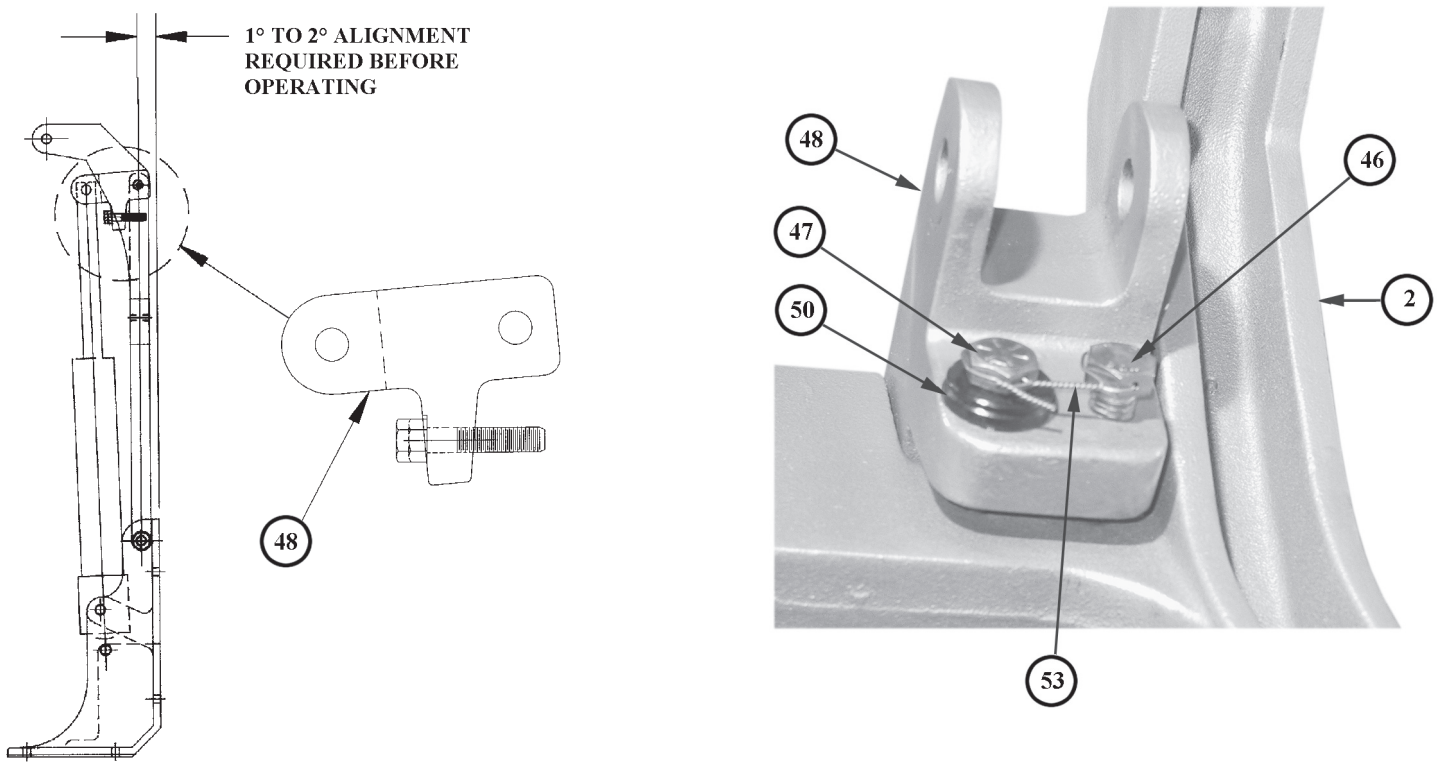
# LAS

## ACTUATOR INSALL & ADJUSTMENT

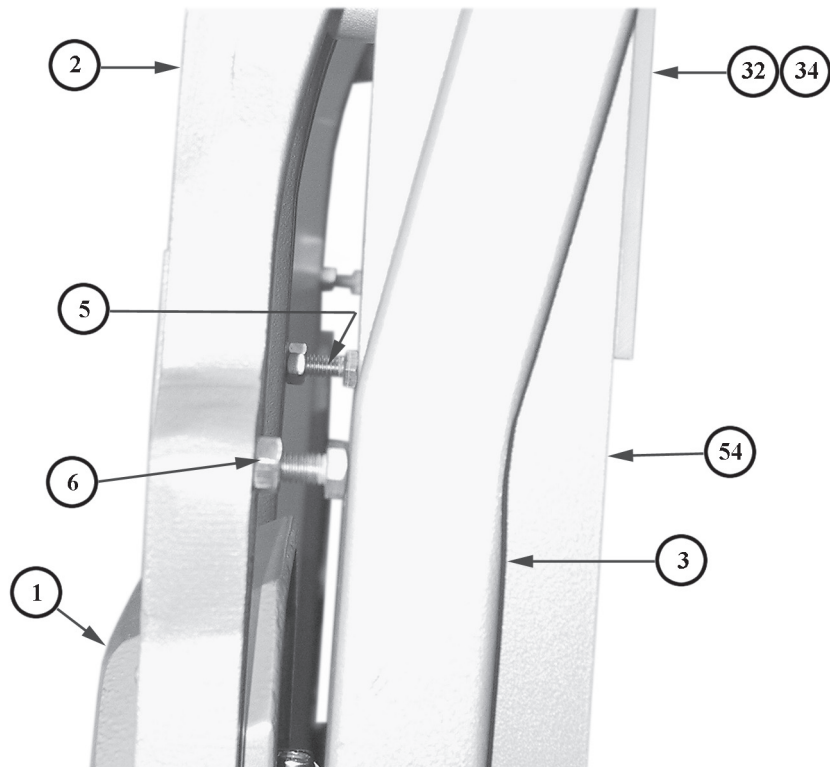
*If your LAS system is equipped with a Manual or Electric Locking system, see step 22 before beginning.*

1. Lower the system approximately halfway down and remove the ladders.
2. Remove the channel support by loosening the (6) sockethead cap screws (item 22) that attach to the pivot support (item 4).
3. Before removing your malfunctioning actuator, you first must secure your 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" (item 10) shoulderbolt at the top of the actuator, and lay down actuator against the unit base.
5. Remove the 3/8-16 1/2" x 2" (item 10) shoulderbolt at the base of the actuator and pull the actuator out of the unit. **Be sure that the unit is still secure and the actuator has been unplugged at connector before removing.**
6. With the actuator out of 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 it becomes loose and moves freely.
9. Place your new actuator into the unit and attach the lower end using your 3/8-16 1/2" x 2" shoulder bolt (item 10) and 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 and slide shoulder bolt through and tighten.
13. Raise the unit back up until it ratchets.
14. To begin your adjustment, turn item 47 back IN a couple 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 as shown (See figure 3). It should measure 3/8". If not, repeat step 14 until it measures 3/8".
16. Turn out the adjusting bolts (item 5 & 6) on the inside arms while pulling on the outside arms until it's tight against the outside arms and there is not movement in the system.
17. Lower the unit a little bit and turn both adjusting bolts on the inside arm 1 more full turn out and tighten.
18. Raise the unit back up until it ratchets.
19. Using a straight edge or the mounting surface (See figure 4) against the back of the base, measure the distance from 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 your safety wire (provided with new actuator) as shown in figure 1. Then lower the unit and reattach the channel support with 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".

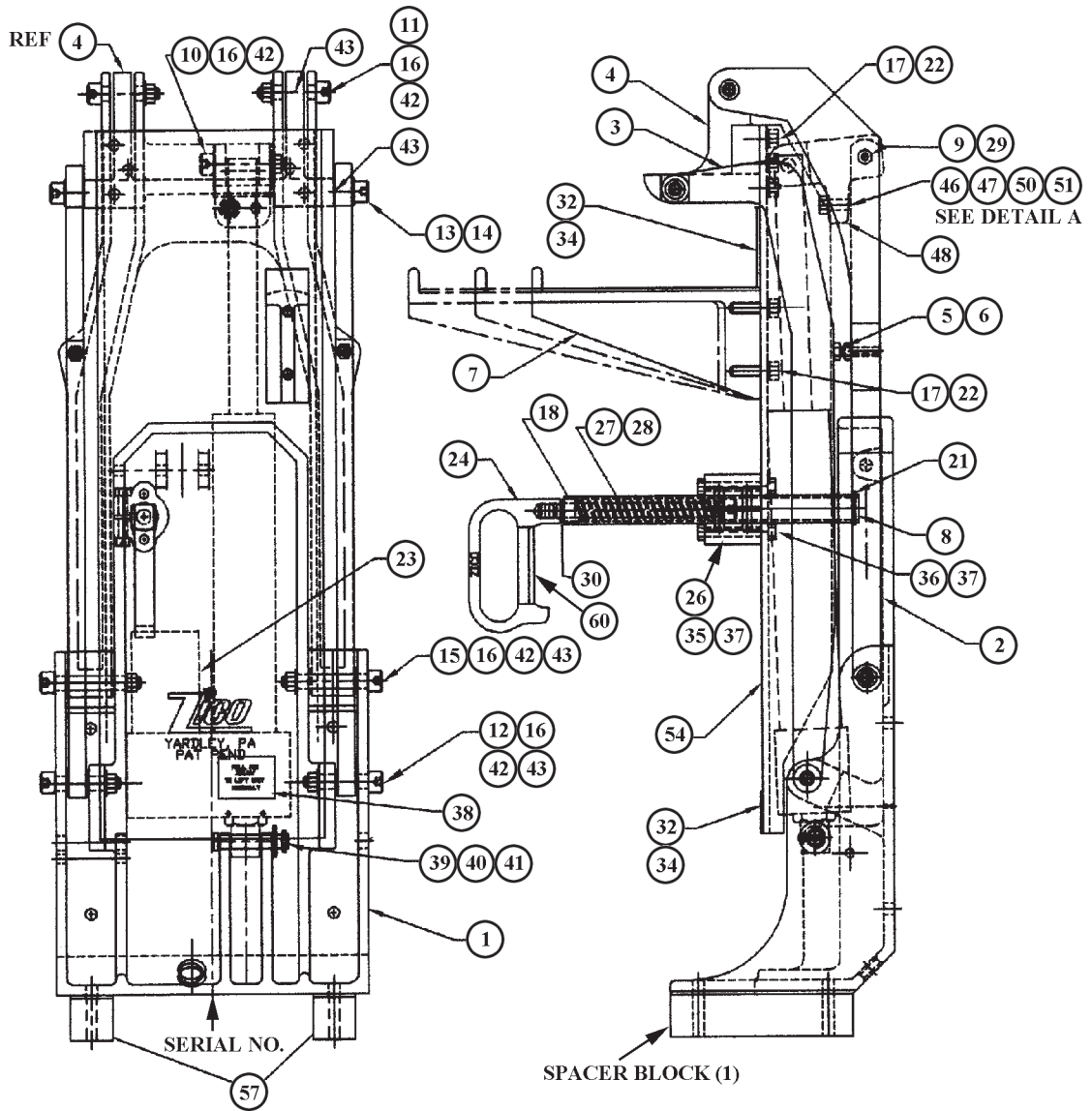




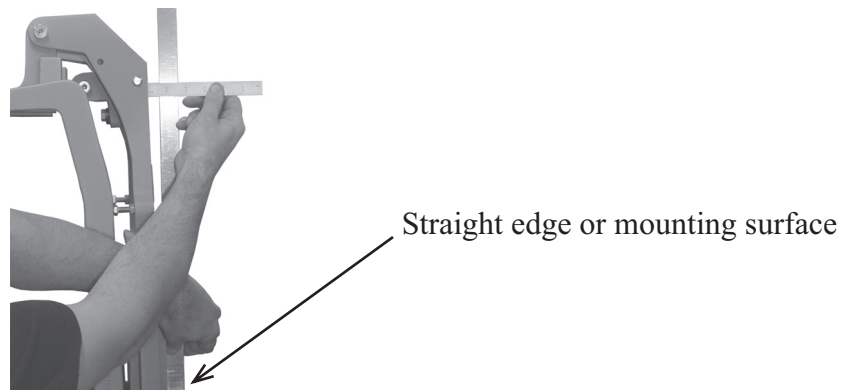
**FIGURE 1**



**FIGURE 2**



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



**FIGURE 4.**



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