

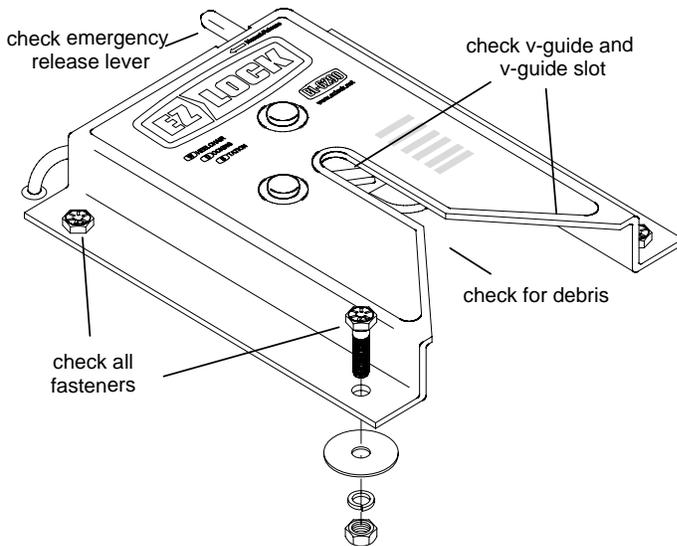


Wheelchair Docking Systems™

In order to properly maintain the EZ Lock docking system in good working order and extend the overall service life, EZ Lock recommends that the docking system should be inspected and serviced at least every six (6) months.

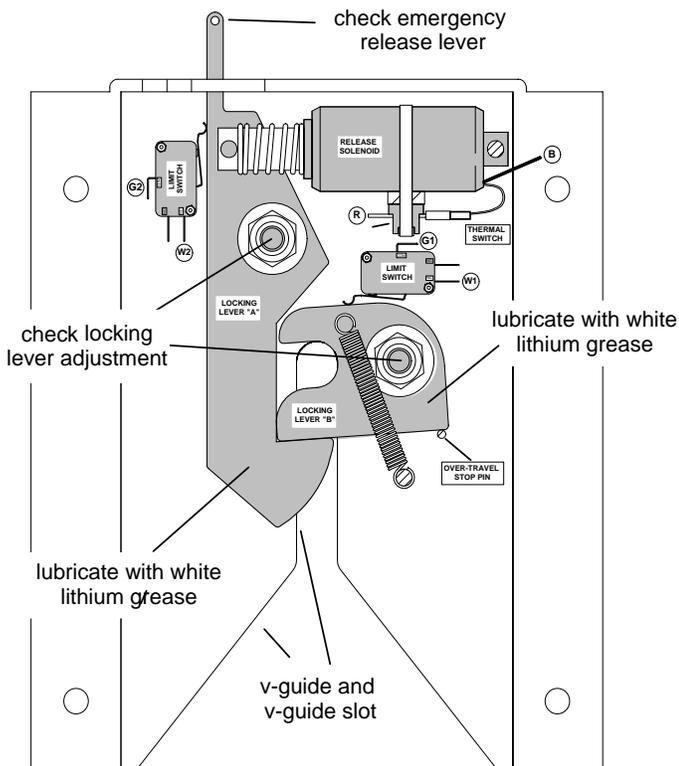
Below right is a basic checklist of service points that should be attended to during inspection and service.

Maintenance Check List

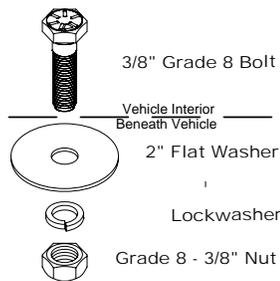


Service Date: _____ Company Name: _____

Technician Name: _____ BL-6290 SN: _____



- | | |
|---|---|
| B Black wire from harness with butt connector. Attached to black wire on release solenoid. | G1 Green wire from harness connected to the COMMON spade on the right limit switch. |
| R Red wire from harness. Attaches to spade on left side of the thermal switch. | G2 Green wire pig-tailed off of G1. Connects to COMMON spade on the left limit switch, linking the limit switches. |
| W2 White wire pig-tailed off of W1. Connects to NC spade on the left limit switch, linking the limit switches. | W1 White wire from harness connected to the NC spade on the right limit switch. |



Ensure that **all fasteners** for both the BL-6290 base lock and the wheelchair interface bracket are **in place** and have been **tightened firmly**.
All mounting bolts must be grade 8 or equivalent.

- BL-6290 Docking Base**
 - Ensure the docking base is securely mounted** to the vehicle floor with **all the appropriate fasteners** tightened to approx. 65 ft. lbs. torque. Re-apply Loctite® if re-tightening is required.
 - Check for debris** inside of the docking base. If extensive cleaning, or service is required, remove the base from the vehicle. Use a solvent such as WD-40® to clean the interior thoroughly. Avoid contamination of the electrical terminals. Check the integrity of the internal wiring (see chart at left). After cleaning, lubricate the locking levers with white lithium grease.
 - Check to ensure the locking levers and emergency release lever move freely**, but are not excessively loose. They should be tightened till snug, then backed off one half turn. If the levers are functioning properly, lubricate with white lithium grease.
 - Check the v-guide for roll-under (burr)**. If this is excessive it can bind the locking levers. Remove the small locking lever (**locking lever B**) and the attached spring. Pull the longer lever (**locking lever A**) out of the way and hold or clamp open. Use a hand held grinder or Dremel® tool to remove the burr. Be careful to only remove the minimum of material necessary to smooth the v-guide slot. When replacing the lever or levers, ensure they are not over tightened. Lubricate the locking levers with white lithium grease.
 - Ensure all wiring harnesses are protected** from undue abrasion from moving parts and/or, excessive wheelchair or foot traffic.
 - Check that the control module and the touchpad panel are mounted securely**. Check that all electrical plug connections are fully engaged and wiring is secure within the plugs.
 - Wheelchair Interface Bracket**
 - Check that the docking pin** (⁵/₈" grade bolt) on the wheelchair mounted interface bracket is adjusted properly. When properly adjusted the top of the bolt head should be between ¹/₈" and ³/₁₆" below the locking levers of the BL-6290 docking base. If the interface bracket has a welded ⁵/₈" insert, make sure the docking pin is threaded all the way through the insert with several threads visible through the top of the insert, or the upper jam nut. Ensure the threads of the docking pin are not abrading the v-guide slot. Check that the ⁵/₈" jam nut is tightened firmly (65 ft. lbs.) and reapply Loctite® if necessary.
 - Ensure that fasteners for the wheelchair interface bracket** are firmly tightened at all attachment points.
- If you have any questions please contact EZ Lock Inc. at (888) 952-5625**