

ADVISORY

January, 2013

PRODUCTS:

All 4-Post Automotive Lifts
Adjustment of Wire Rope Tension

HAZARD:

Fracture of the cylinder piston rod can occur from imbalanced tension in the wire ropes due to uneven runway conditions, resulting in collapse of the lift and the possibility of serious personal injury or death.

ACTIONS:

Immediately Check Level of Runways and
Adjust If Needed.

This adjustment (procedures on pages 3 and 4) must be done:

1. When installing the lift.
2. Every three months.

REMINDER

- Monthly inspection of wire ropes for fraying per operation manual and/or the standard*.
- Complete annual lift inspection is required as a minimum as per the standard*.
- Never operate a lift if components are missing or broken.

* *Standard: refers to ANSI/ALI ALOIM standard.*

If you have not complied with these standards and procedures during your monthly inspection or if you have not completed your required monthly inspection, do so immediately.

Note: For replacement copies of operation manual and ANSI/ALI ALOIM standard, contact technical support.

QUESTIONS:

If you have questions on this advisory or need assistance contact: [Technical support at \(800\) 225-5786 \(press 2, press 4\).](tel:8002255786)

PRODUCT SAFETY

Snap-on Incorporated

Models Affected:

Accu Ind. AC12402 AC12402XT AC12405AF AC12405AFM AC12405ST AC12406 AC12406ST AC12407AF AC12407AFM AC12407AFXM AC12407XT AC12430 AC18405AF AC18405AFM AC18406	Hennessy Ind. 486225 486222 S411CSQ0__ S4120A0 S412CSA__ S412CSS__ S412CXS__ S412OSA__ S412OSS__ S412OXA__ S412OXS__ S414OA0__ S414OSA__ S414OXA0__ S418CXA0__ S418CXS0__	John Bean 10404JBC 43102Q 43102QE 43110L 44110Q 43111L 4412405ST 4412406ST 43212L 44212OQ 44212OQE 44212Q 44214Q 44214QE 44218Q 44218QF	Wheeltronic 10400 10404AF 10424AF 12402 12402XT 12405AF 12405CW 12405ST 12406 12406ST 12407AF 12407AFX 12407CW 12407XCW 12430 14407AF 14407AFX 14407CW 14407XCW 18405AF 18405CW 18406
Snap-on EELR101A EELR100A EELR102A EELR102AQ3 EELR102AST EELR103A EELR103AST EELR121A EELR121AEXT EELR121AEXTP EELR121APKG EELR124A EELR132A EELR132AXT ELR124APKG WHE18406	Hofmann EFP12172 EFP12210 FPA12144 FPA12172 FPA14172 FPA14210 FPA18210 FPF12144 FPF12172 FPF18210 FPL12144 FPOA12172 FPOA12210	American Tire Distributors/Heafners 810400 WH-11QLUBE WH-120EAL WH-120EALH WH-120EXTCW WH-120EXTCWH WH-12E172 WH-12E210 WH-12Q172 WH-12QA172AL WH-18210FD WH-18K210CW WH-812405 WH-812407 WH-812407AFX WH-818405AF	Automotive diagnostics (SPX/Bear Automotive) 63-139 63-140 63-143 63-145 63-156 63-176 63-178 63-178EXT 63-179
EQS/Mazda MX-612 MX-612B	SUN UK SVL40004 SVL40007 MOT4 MOT7		

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- *If you are not comfortable doing this check and adjustment, find a competent person to perform this or contact Technical Support.*
- *DO NOT stand on lift to make adjustments.*
- *DO NOT perform any adjustment or repairs with the lift loaded.*
- *Always use proper personal protective equipment when working on equipment.*
- *Always use safety stands as a backup support for the lift structure. If procedure requires that the lift be positioned on the mechanical locks, ensure that the safety stands are positioned appropriately in order to stop the structure in the event of a failure in the lifting elements.*
- *DO NOT use a broken or damaged lift. If a component on the lift is broken or damaged, the lift must be tagged and locked out of service until repairs have been performed by a qualified lift service technician.*
- *DO NOT replace broken components with aftermarket items, only original parts must be used as they could contain special treatments and processes that would not be present on other items.*
- *DO NOT modify or reconstruct any automotive lift without the express written permission of the manufacturer.*
- *The owner or employer shall ensure that operators of automotive lifts are instructed in the safe use and operation of the lift using the manufacturer-provided instructions and warning labels and the Automotive Lift Institute publications.*
- *The owner or employer shall establish a periodic planned maintenance procedure in accordance with the recommendations of the lift manufacturer and the Automotive Lift Institute publications.*

STEP-1 Check the level when decks are at lowest level

1. Fully lower the lift on the floor.
2. Use a 4-foot level to check the level of the lift as shown in Figure 1.
3. If the lift is level, go to STEP-2. If the lift is not level, **STOP USING THE LIFT UNTIL THIS SITUATION HAS BEEN REPAIRED**. Immediately correct the situation by one or both of the following suggested solutions:
 - 1) Adjusting the shims under the towers. If more than 1/2" of shims are required, new longer anchors need to be installed. Contact Technical Support for further details.
 - 2) Adding spacers between the tower's base-plate and the crossmember.

STEP-2 Check the level on safety ladders

1. Park lift on safety locks when decks are about 3 feet above the floor.
2. Use a 4-foot level to check the level of the lift as shown in Figure 1.
3. If the lift is level, go to STEP-3. If the lift is not level, **STOP USING THE LIFT UNTIL THIS SITUATION HAS BEEN REPAIRED**. Immediately correct the situation by the following suggested solutions:
 - 1) Loosen the 3/8"-16UNC×1" long hex bolts at the bottom and top back of each post.
 - 2) Move the safety ladders up and down by adjusting the two (2) 5/8"-11UNC hex nuts at the top of each safety rack until the lift is level.
 - 3) Tighten the two (2) 5/8"-11UNC hex nuts at the top of each safety rack and the 3/8"-16UNC×1" long hex bolts at the bottom and top back of each post.
 - 4) Check the level again.

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STEP-3 Check the level on wire ropes

1. Raise the lift to about 3-feet above the floor
2. Make sure the lift is not parked on the safety locks.
3. Use a 4-foot level to check the level of the lift as shown in Figure 1.
4. If the lift is level, then the wire ropes have been properly adjusted. If the lift is not level, STOP USING THE LIFT UNTIL THIS SITUATION HAS BEEN REPAIRED. Adjust the wire rope tension following the procedures in the operation manual.
 - 1) Make sure that the stud end of each wire rope seats in the cable flange properly (Figure 2).
 - 2) Make sure that the hose clamp is tightened and in good condition (Figure 2).
 - 3) Use the nuts on the threaded end of each wire rope on the top plate of the post to adjust the cable length until the lift is level. *It is recommended to find the highest point first then work on those lower points until lift is level.*
 - 4) Tighten the jam nuts (wire ropes) on top plate of all posts after the leveling is done.

STEP-4 Add the safety label to the side of runway of the lift

- 1) Attach the safety label supplied in the Safety Advisory Package on the side of runway of the lift as shown in Figure 3. Make sure the label can be clearly seen by the lift operator.

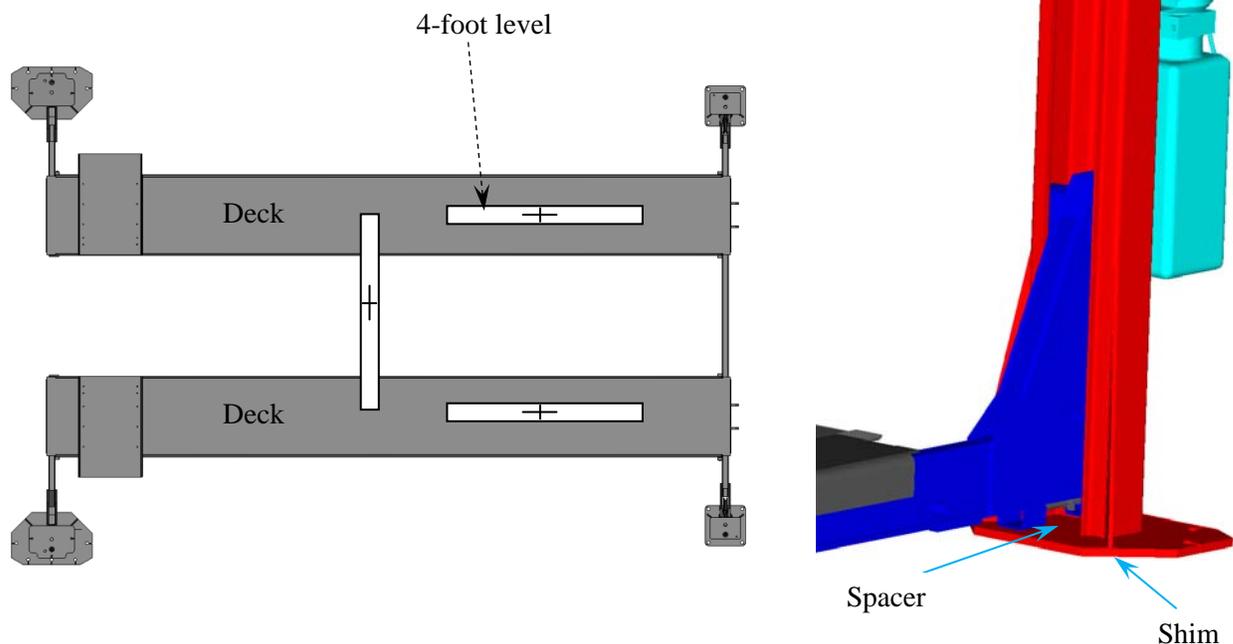


Figure 1

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