

AIR CRADLE TROUBLESHOOTING:

(LOCATE BY PROBLEM)

A) *SIGN WILL NOT OPEN:*

- First check proper air pressure at regulator (recommend 50-60 PSI).
- Check for any leaks in airline running to arm.
- After determining the proper air pressure and no leaks then move on to arm.
- Loosen (4) cover screws and take off cover.
- Check for any breakage on all parts (replace if needed).
- If there is no brakeage then check O Ring.
- To check O Ring
 - Take off arm
 - Open lever arm
 - Activate sign to blow out piston from base.
- Replace O Ring (part 4811) if needed, add O Ring lubricant if needed and push back into base.
- To replace entire air cradle, loosen (9) torx screws and take out air cradle.
- Replace with new air cradle part 4800-000 (base O Ring must stay in place while fastening).
- Re-install arm, cover and screws then confirm operation.
- Refer to drawing 4696 & 4691 at end of troubleshooting sheet for torque & wiring requirements.

B) *SIGN WILL NOT CLOSE:*

- Loosen (4) cover screws and take off cover.
- Check for any breakage on all parts (replace if needed).
- If there is no brakeage check O Ring.
- To check O Ring
 - Take off arm
 - Open lever am
 - Activate sign to blow out piston from base.
- Replace O Ring if needed, add O Ring lubricant if needed and push back into base.
- To replace entire air cradle, Loosen (9) torx screws and take out air cradle.
- Replace with new air cradle part 4800-000 (be sure base O Ring stays in place while fastening).
- Re-install arm, cover and screws then confirm operation.
- Refer to drawing 4696 & 4691 at end of troubleshooting sheet for torque & wiring requirements

F) *SIGN ONLY WORKS SOMETIMES: (WORKS INTERMITTENTLY)*

- Loosen (4) cover screws and take off cover & stop arm blade.
- Check O Ring
 - Take off arm
 - Open lever am
 - Activate sign to blow out piston from base.
- Replace O Ring if needed, add O Ring lubricant if needed and push back into base.
- If in cold region then replace O Ring with latest O Ring (part 4811).
- To replace entire air cradle, Loosen (9) torx screws and take out air cradle.
- Replace with new air cradle part 4800-000 (be sure base O Ring stays in place while fastening).
- Re-install arm, cover and screws then confirm operation.
- Refer to drawing 4696 & 4691 at end of troubleshooting sheet for torque & wiring requirements

D) SIGN CLOSES TO QUICK:

- Check to see if there is an orifice on the solenoid
- If there is no orifice on the solenoid then you need to attach a Transpec orifice (part 4850).
- If there is an orifice then there is a possible cut in the O Ring.
- To replace O Ring
 - Take off arm
 - Open lever am
 - Activate sign to blow out piston from base.
- Replace oring, (part 4811) add O Ring lubricant if needed and push back into base.
- Re-attach blades, cover and screws then confirm operation.

