

Divisions of Systems, LLC



Rail Car Ramp Dock Leveler PM Checklist

Customer:	Order #:	Date:
Address:		Equipment Model:



WARNING

Always read and understand the Owner's/User's Manual and become thoroughly familiar with the equipment and its controls before installing or operating equipment. **Failure to read and understand the owner's/user's manual could result in death, serious injury, damage to equipment or voiding of warranty!**

Maintenance Steps

Dock #	Dock #	Dock #	Dock #
Serial #	Serial #	Serial #	Serial #

Weekly Maintenance

Completed Steps



WARNING

Before entering the platform operating zone, store the leveler and lockout/ tagout all electrical disconnects in the OFF position. Lower the red safety bars to the service position and properly secure the safety bar hardware.

1) Operate the dock leveler through the complete operating cycle to maintain lubrication. - Make sure leveler "floats" when in the working zone. (~15" above dock) - Verify lip operates up and down.				
2) With the leveler in the below dock position, clean and inspect the rear hinge line and lip hinge line.				
3) Inspect platform and lip for bowing or damage.				
4) Inspect concrete and curb steel.				
5) Inspect warning decals and placards. Replace if damaged or missing.				
Quarterly Maintenance				
1) Complete weekly maintenance.				
2) Check reservoir fluid level. (Reference owner's manual)				
3) Inspect the following for damage/ abnormal wear:				
- Check all welds for cracks.				

-- Continued --	Dock #	Dock #	Dock #	Dock #
- Check solenoid coils and valves for cracks or bending.				
- Clean hinges, platform, and remove debris around rod eyes.				
- Make sure rod eyes are straight and jam nuts are tight.				
- Inspect rod end cylinder pins, and hardware. Verify ruc clip is in manual lock position.				
- Inspect junction box for damage/ moisture and verify electrical connections.				
- Inspect control box and conduit.				
- Inspect hydraulics. (Hoses, cylinders, fittings and powerpack.)				
4) Lubricate the following areas with light weight machine oil.				
- Lip hinge, <i>without grease fittings</i> . (Apply between hinge tubes with the leveler below dock and lip folded.)				
- Platform hinge, <i>without grease fittings</i> . (Apply between hinge tubes with leveler on storage prop.)				
- Lip cylinder and side shift cylinder pins.				
5) Lubricate the following areas with white lithium grease				
Note: Apply to all grease fittings if equipped.				
- Hoist cylinder grease fittings and pins.				
- Cam roller bearing grease fittings.				
Annual Maintenance				
1) Complete quarterly maintenance.				
2) Change hydraulic oil (may be required more often depending on operating environment)				
Adjustments. (Reference owner's manual if adjustments are necessary.)				
- Verify leveler operating speed. Vertically stored to below dock should take 15-20 seconds. If speed is outside this range, make adjustment				
- Verify leveler is leaning approximately 4 degrees towards the building. Adjust rod eye as necessary.				

Dock#	Comment or Description of Repair(s) Needed	Approval	Completed

Notes: (Detail adjustments performed, parts replaced, etc.) _____

By signing below I/we certify that all steps required by Systems, LLC have been completed:

Service Provider Representative (print name & sign):	Date:
Customer/End User Representative (print name & sign):	Date:



Recommended Spare Parts

Rail Car Ramp

Quantity	Part Number	Description
1	8581-0010	Solenoid Valve, 2-way, NC, Poppet
1	8581-0074	Solenoid Valve, 2-way, NC, Spool
1	8581-0005	Solenoid Valve, 3-way, 2-position
1	8581-0011	Solenoid Valve, 4-way, 2-position
2	9202-0038	Pin, Cyl. MTE, 49/64" Dia. X 10.25" Lg
2	9202-0071	Hoist Cyl Pin, VS, PP,FRM Rod End
1	2101-0259	Rue Ring
1	0522-0005	Pin,Clevis,Lip CYL, 3/4" Dia x 2.00" Lg
1	8581-0004	Delta Coil,115VAC,DHC-11
1	4301-0004	Cable Assembly, 48"Oal, 1 Coil