

MAINTENANCE INSTRUCTIONS FOR GH2 SERIES HOIST

1) Rail System

Clean the rail system from dust and any debris, if it is required.

2) Electrical Connections

Inspect the voltage at the transformer or power supply. Transformer voltage should be between 25 and 33 volts AC. Power supplies should be between 27 and 29 volts DC. Inspect the voltage at charging station or charging liners.

3) Hoist

Clean the hoist from dust and any debris.

Open the hoist by removing the lids and the front and back covers. Some environments required for hoist interior to be coated. If this applies, inspect the coating and re-coat as necessary.

Inspect the driving motor, if applies.

Inspect wheels for cracks, wear and any foreign objects. Replace as necessary.

Inspect the pickup rollers and make sure they are set correctly for AC or DC and working properly.

Inspect the hand control different functions. Inspect the cable for any damage and make sure the strain relief is working as it should.

Inspect the hoist display is working as it should. Charging lamp is on when the hoist is at the charging station and the green lamp is on while the hoist is in operation.

Every Second Year Perform a Battery Test. Measure the voltage without load and Inspect that their voltage is not more than 0.3 volts apart. If not replace both batteries. Load the hoist with a load between 132 and 187 pounds, while lifting the load Inspect the voltage at the two batteries and Inspect they have the same voltage drop. If not replace both batteries. The test is not required when installing new batteries.

To inspect the end-stop down, remove all loads including the hanger from the hoist and press the down button at the hand control. The hoist does not go down. Load the hoist with the hanger only and press the down button at the hand control. The hoist goes down. Take the strap all the way out and make sure the motor stops at the end of the strap.

To Inspect the end-stop up press the hand control up button and while going up change the direction of the strap to go in at more than 45 degrees relative to the hoist lengthways. Inspect the hoist stops. Make the hoist go up and this time make the strap to go at a 10 degrees relative to the crossways. Inspect the hoist stops. Let the strap goes all the way up and against the stop. Inspect the hoist stops.

Replace all covers and lids and perform a full cycle at rated load. While the load is up, stop and make sure the hoist holds the load and does not slip down.

4) Trolleys

Inspect wheels for cracks, wear and any foreign objects. Replace as necessary.

Inspect the pickup rollers and make sure they are set for the proper voltage and working properly.

5) Combi- Locks

Inspect the voltage at the transformer and make sure is between 25 and 33 volts AC.

Test the operation. Adjust, clean and lubricate as required.

Inspect the attachment to the rail.

Inspect the tongue does not subject the safety lock on the traverse rail to a maximum load. The safety lock must not fully open. Adjust if it is required.

Both safety locks must be inspected manually and electronically and they must return without any problem.

Make sure the safety locks do not open when the traverse is not present.

6) Switch Tracks

Inspect the voltage at the transformer and make sure is between 25 and 33 volts AC.

Test the operation. Adjust, clean and lubricate as required.

7) Turntable

Inspect the voltage at the transformer and make sure is between 25 and 33 volts AC.

Test the operation. Adjust, clean and lubricate as required.

Inspect the end stop function. The turntable must be completely in line with the rails on their side of the turntable. Adjust the end stop if it is required.