



END USER NOTIFICATION

IMPORTANT PRODUCT NOTIFICATION

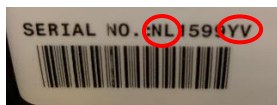
RE: Lodestar NH Load Limiter Inspection Procedure

Dear Customer,

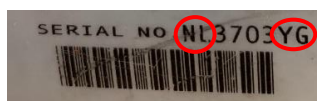
Columbus McKinnon has determined that a limited number of load limiters may have slightly moved from the original factory setting on select Lodestar NH hoists. The hoist is safe to operate under recommended operational and safety requirements. While no immediate action is needed, during your next scheduled inspection you are required to inspect the load limiter per the procedure attached.

Affected Models

All Lodestar NH models built between January 2017 and July 2019. Affected units will have a serial number starting with "NL" with the last two letters "XN" thru "XZ" or "YA" thru "YU"



Unit not affected



Unit affected

Reimbursement

If a load limiter is found during the next required scheduled inspection to be non-conforming per the inspection procedure provided, Columbus McKinnon will reimburse the cost of a new load limiter. In order to qualify for this reimbursement, the non-conforming load limiter must be returned to Columbus McKinnon along with the serial number of the hoist. Reimbursement will not be given for load limiters needing to be replaced due to normal wear and set at original factory setting as defined in the inspection procedure below.

We apologize for any inconvenience related to this matter and remain committed to providing the best products and customer service in the industry. Please contact a Columbus McKinnon Customer Service Representative at 276-475-1322 if you have any questions.

With best regards,

Sam Monn
Quality Manager, CMCO Damascus VA

LODESTAR NH LOAD LIMITER INSPECTION PROCEDURE

⚠ WARNING
Working in or near exposed energized electrical equipment presents the danger of electric shock.
TO AVOID INJURY:
DISCONNECT POWER AND LOCKOUT/TAGOUT DISCONNECTING MEANS BEFORE REMOVING COVER OR SERVICING THIS EQUIPMENT.

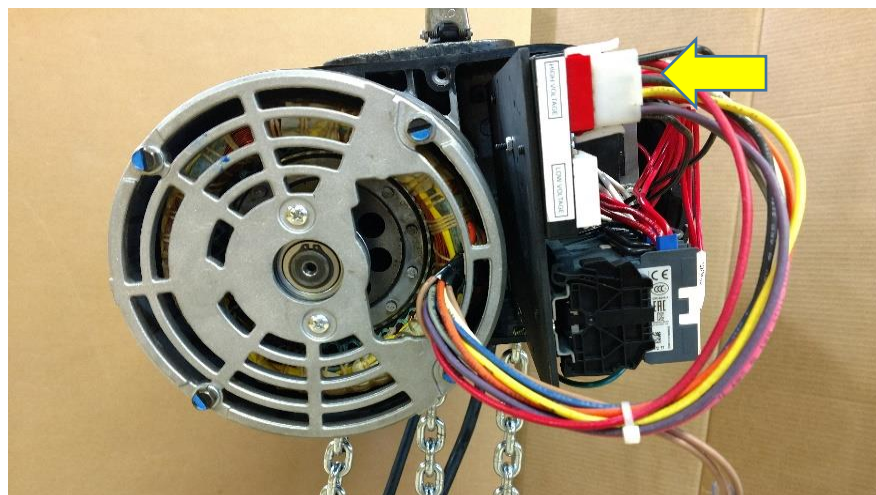
Disassembly Procedure:

For ease of dissassembly and safety, orient the hoist on the brake end cover so the motor cover is facing directly upward as in the figure below.

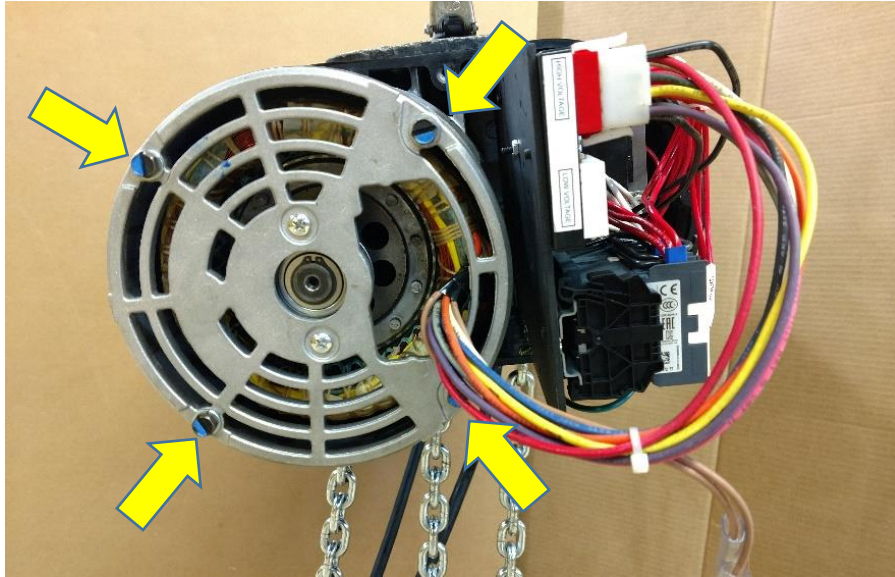
1. Ensure the unit is not connected to any power source
2. Locate and remove the two 1/4-20 screws used to hold the motor cover to the hoist body.



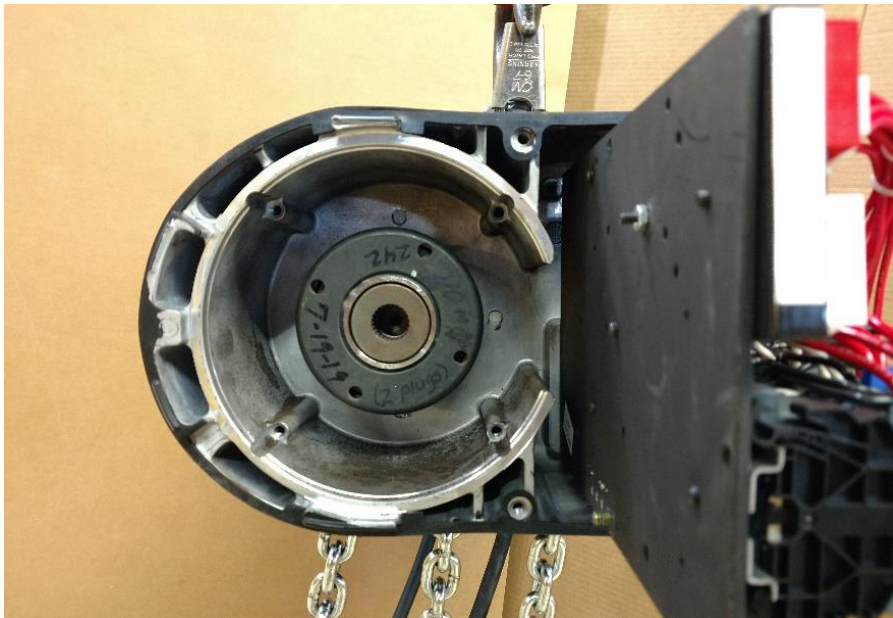
3. With the motor cover removed, unplug the 12 pin Molex connector from either the “HIGH VOLTAGE” socket or the “LOW VOLTAGE” socket located on the voltage change board.



4. With a pin extraction tool (i.e. Molex p/n 11-01-0168) remove black lead B1 and black lead B2 from the Molex plug.
5. Next, remove the (4) ¼-20 motor mounting bolts.



6. Remove the motor from the hoist body.



7. Remove the load limiter from the hoist.

Load Limiter Inspection Procedure:

1. Verify the factory paint tick marks are aligned. Figure below shows a load limiter set at the factory setting and acceptable for reuse as long as replacement is not required due to normal wear.

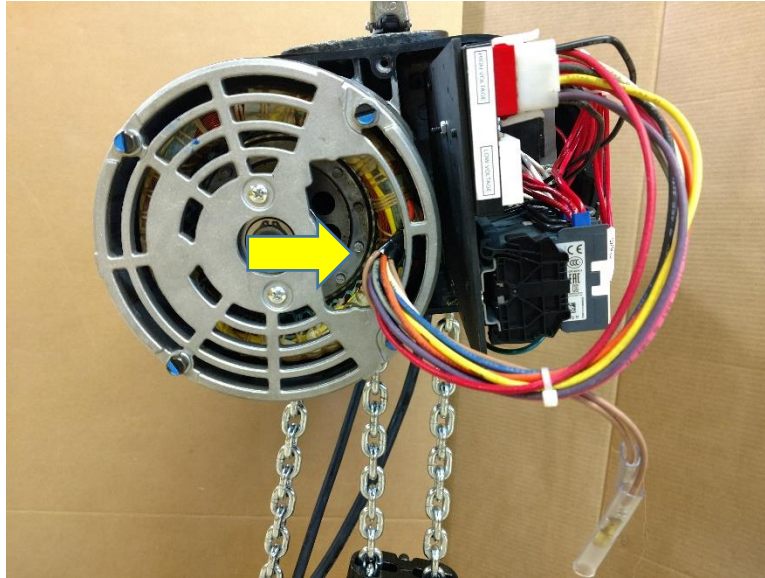


2. If the tick marks have separated, measure the distance between the marks as shown below. If the marks are **less than 0.25"** apart, the load limiter is acceptable for reuse as long as replacement is not required due to normal wear. If the marks are **more than 0.25"** apart in either the clockwise or counter clockwise position, the load limiter shall be replaced.

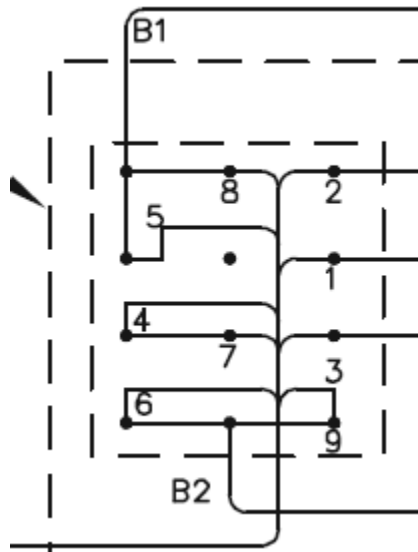


Re-assembly Procedure:

1. Install the load limiter in the hoist body
2. Install the motor in the hoist. The motor leads exiting the back of the motor need to be positioned at the 3 o'clock position when looking at the back of the motor. See the figure below.



3. Torque the motor mounting bolts 50 – 60 in*lb in a criss-cross pattern.
4. Reconnect lead B1 and lead B2 into the correct socket position per the diagram below



5. Plug the Molex connector into the proper connection (either HIGH VOLTAGE or LOW VOLTAGE) on the voltage change board

NOTE: BE SURE THE MOTOR PLUG HAS BEEN CONNECTED FROM THE POSITION TO WHICH IT WAS REMOVED. DAMAGE TO EQUIPMENT MAY OCCURE IF INCORRECTLY CONNECTED

6. Replace the motor cover and tighten mounting screws.