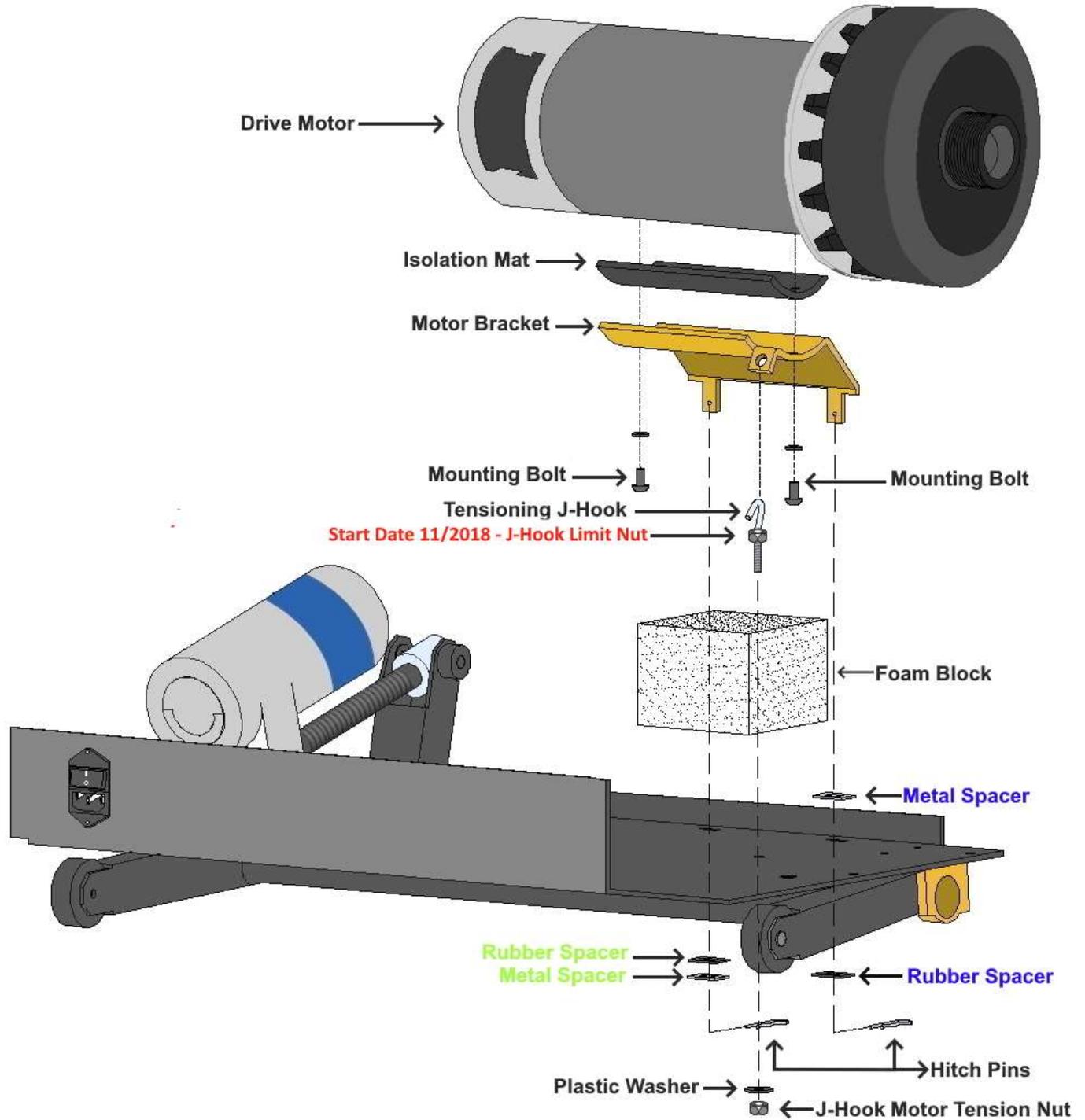


L-Series Drive Motor Installation



MOTOR-I Revision 03/2020



TOOLS NEEDED:

- Needle Nose Pliers
- 7/16" Deep Wall Socket & 3/8" Ratchet Wrench
- Power Drill w/ Phillips Head Bit

Removing the Drive Motor

1. Start by raising the unit to 15% or MAX grade, and then unplug the treadmill.
2. Disconnect the white and black wires from the lower board, as well as the speed sensor harness Molex connector at the lower board. Disconnect the ground wire connected to the motor pan.
3. Using a 7/16" Socket & Ratchet wrench, loosen nut on motor tensioning J-Hook located underneath motor pan. You can now remove the drive belt.
4. Using needle-nose pliers, remove the two motor hitch pins located under the motor pan.
5. Remove the Drive Motor, noting the position of the drive motor spacers.

Installing the Drive Motor

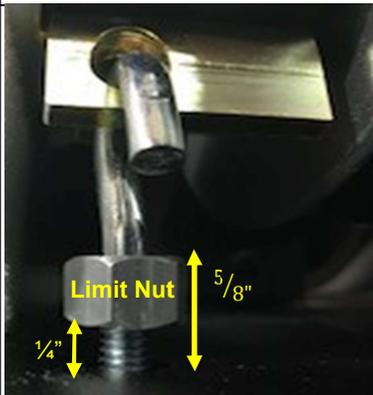
Installation of the Rubber and Metal Spacers has to be in a specific order between the motor bracket and motor pan to reduce vibration and ensure proper alignment.

*****Please refer to the drawing schematic for orientation of the Metal & Rubber Spacers.*****

Standing on the treadmill:

Right Side (Bottom) = 0 in pan, 1 Rubber Spacer, 1 Metal Spacer, then connect the hitch pin
Left Side (Flywheel) = 1 Metal Spacer in pan, 1 Rubber Spacer below pan, then connect the hitch pin.

Drive Belt Tensioning

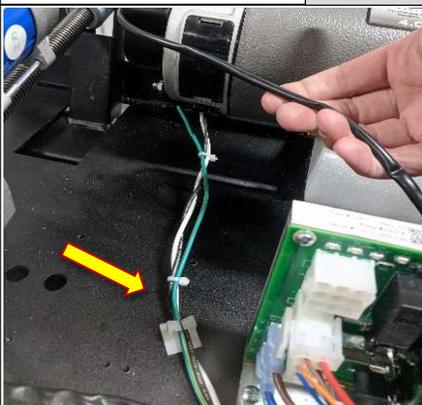


The drive belt tensioning nut is located underneath the motor pan, connecting the J-hook to the motor bracket. Make sure the plastic washer is in place, prior to tightening. When tightening the tension of the nut, it will pull down on the motor bracket while tensioning the drive belt.

DO NOT OVER TIGHTEN!

The J-hook has a limiting nut (pictured). Tension the nut until there is approximately 1/4" of space from the bottom of the limit nut to the motor pan. If there is no limit nut (older machines), tension until there is approximately 5/8" from the top of thread to the motor pan. If there is slippage, Landice recommends applying weight to the treadbelt and tensioning a half turn at a time until there is no drive belt slippage.

Drive Motor-Speed Sensor Connection and Routing



Braid the White/Black motor wires and secure it to the motor pan. Then route the drive motor wires to the lower board, ground the green wire to the motor pan. Route the Speed Sensor wire along the back of the lower board, securing it in the clip, or with electric tape to the back of the lower board.

It is important to keep the Drive Motor wires separate from the Speed Sensor wire, as signal noise can affect both parts and trigger "Premature Failures"!

CALL LANDICE TECHNICAL SERVICE, 1-800-526-3423, OPTION 3 FOR ASSISTANCE

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