

IMPORTANT PRE-INSTALLATION INFORMATION

WARNING

Failure to observe the following warnings could create a risk of death or serious injury.

Installation and Service should only be performed by qualified personnel.

All owner/employer safety rules must be strictly followed when working on this equipment. Please read and become familiar to this entire installation guide before beginning any work. Before working on equipment, turn off and lock out/tag out energy source and bleed off all stored energy sources.

If equipment will be installed in an enclosed area, gas levels and/or dust content must be tested before using a cutting torch or welding equipment. The use of a cutting torch or welding equipment in an area with gas or dust may cause an explosion.

Attempting to lift equipment alone could result in serious injury. Components are heavy and require multiple persons or a hoist to lift.

Failure to remove tools from the installation area before turning on the energy source can cause serious injury to personnel.

LOVEJOY, INC. hereby disclaims any liability for injuries or damage resulting from use or application of this product contrary to the instructions and specifications contained herein. The instructions that appear in this installation guide cannot cover every condition or situation that may occur in the field. Please consult Lovejoy for conditions or situations not addressed in this manual.

MATERIALS REQUIRED: While only standard hand tools are required to install and service this equipment, the additional use of a Torque Indicating Wrench is strongly recommended to ensure all bolts are properly tightened.

Recommended Tools:

- 1x—Torque Wrench capable of 500 ft/lbs of torque
- 1x—15/16" Box End Wrenches or Hex Socket (for Rotary Plate locking Bolts)
- 2x — 1-1/8" Box End Wrench or Hex Socket (for Adjusting Screws)
- 1x—55mm Box End Wrenches or Hex Socket (for Pivot Bolts)
- 1x—5/16" Hex Allen Key (for adjusting block removal or relocating)

Please note, Lovejoy, Inc. recommends bolting, rather than welding, for easier accessibility and maintenance. Excessive heat will affect or destroy the rubber or polymer elements.

Mounting Instructions

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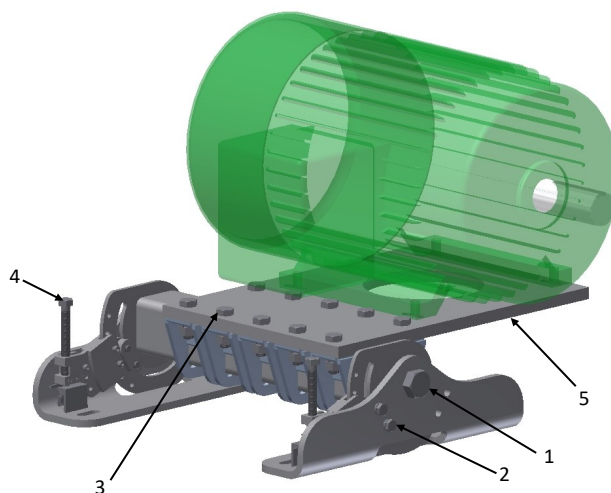
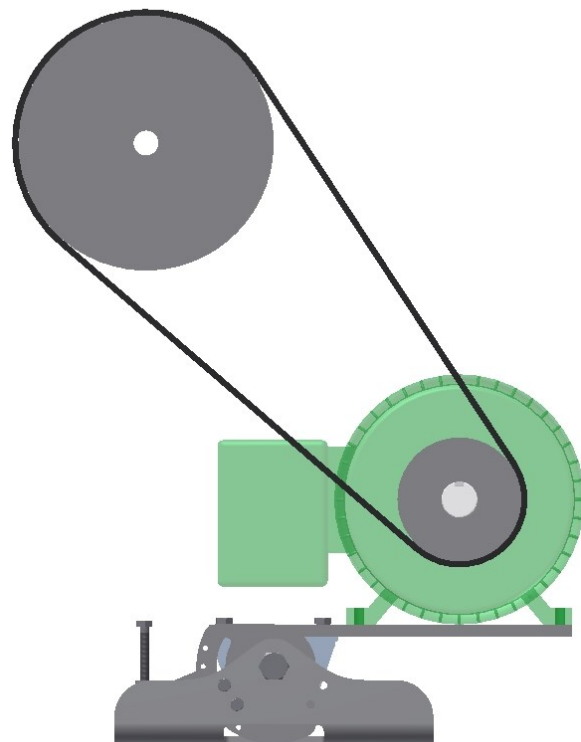
Follow all appropriate Lock-Out/Tag-Out procedures.

It is recommended that the belt guards be installed before making the test run.

1. Determine proper mounting positions. Consult Screen Manufacturer and/or Lovejoy Engineering for assistance.
2. Bolt (DO NOT WELD) side supports to the machine frame using four (4) 3/4" Grade 5 or greater HHCS. (see motor base drawing for dimensions).
3. Bolt motor onto the Top Plate (5) of the Motor base using the motor manufacturers recommended bolt size.
4. Align the pulleys using a straight edge.
5. Crack Loose only, DO NOT REMOVE, the 2 pivot bolts (1) and the 4 Rotary Plate Locking Bolts (2). These bolts must be loosened to properly adjust belt tension.
6. Turn the Adjusting Bolts (4), tilting the Top Plate/Motor toward the driven pulley allowing easy installation of the belts. Place the belts on the pulley. Best accomplished if both screws are turned simultaneously.
7. With the belts in place, turn the Adjusting Bolt(s) (4), tilting the Top Plate/Motor away from the driven pulley until the belts begin to see tension. Best accomplished if both screws are turned simultaneously.
8. Double check setup and configuration for proper alignment.
9. Continue turning Adjusting Bolts (4) until proper belt tension as recommended by the belt manufacturer has been achieved.
10. Tighten and Torque the pivot bolts (1) to 400 ft/lbs and the Rotary Plate Locking Bolts (2) to 158 ft/lbs.
11. Make a test run for at least 2 minutes to ensure all is operating properly.
12. Remove power from the drive and re-install any and all belt and/or machine guards that were not previously installed before the test run.
13. Installation is now complete.

NOTE: The re-tensioning of the belt(s) after a period of time as stipulated by the belt manufacturers should be unnecessary. RunRight Motor bases will automatically tension the belts through out their service life.

Typical Mounting Position



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Changing Belts

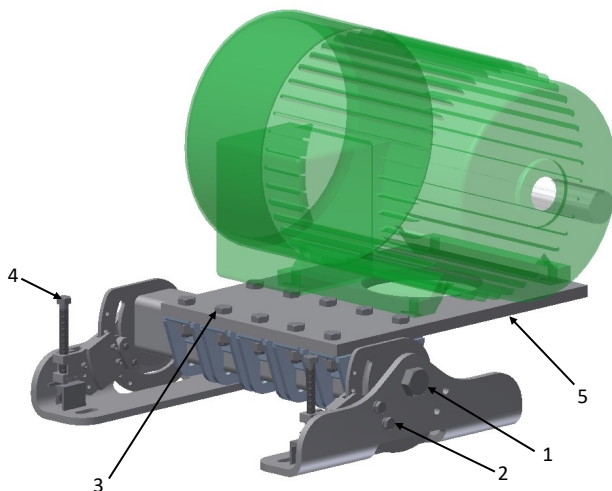
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Follow all appropriate Lock-Out/Tag-Out procedures.

It is recommended that the belt guards be installed before making the test run.

1. Remove power from the drive and remove the belt and/or machine guards.
2. Crack Loose only, DO NOT REMOVE, the 2 pivot bolts (1) and the Rotary Plate Locking Bolts (2). These bolts must be loosened to allow motor base top plate (5) to tilt forward.
3. Turn **BOTH** Adjusting Bolts (4), tilting the Top Plate/Motor toward the driven pulley allowing easy removal of the worn belts. Best accomplished if both screws are turned simultaneously.
4. Remove the worn belts and install new belts.
5. With new the belts in place, turn **BOTH** Adjusting Bolts (4), tilting the Top Plate/Motor away from the driven pulley until the belts begin to see tension. Best accomplished if both screws are turned simultaneously.
6. Double check setup and configuration for proper alignment.
7. Continue turning **Both** Adjusting Bolts (4) until proper belt tension as recommended by the belt manufacturer has been achieved.
8. Tighten and Torque the pivot bolts (1) to 400 ft/lbs and the Rotary Plate Locking Bolts (2) to 158 ft/lbs.
9. Make a test run for at least 2 minutes to ensure all is operating properly.
10. Remove power from the drive and re-install any and all belt and/or machine guards that were not previously installed before the test run.
11. Installation is now complete.



Re-Adjusting Belt Tension

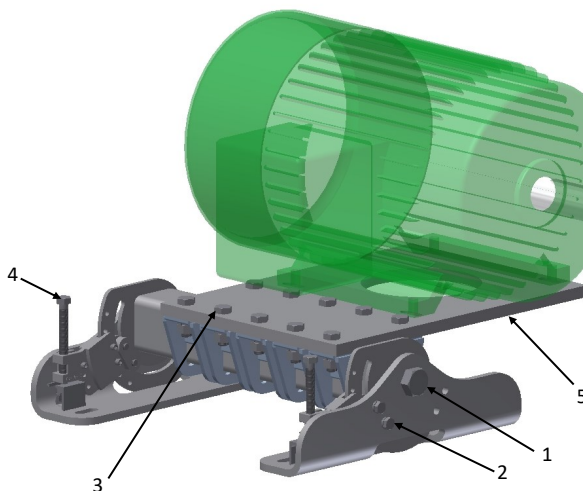
WARNING

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Follow all appropriate Lock-Out/Tag-Out procedures.

It is recommended that the belt guards be installed before making the test run.

1. Remove power from the drive and remove the belt and/or machine guards.
2. Crack Loose only, DO NOT REMOVE, the 2 pivot bolts (1) and 4 Rotary Plate Locking Bolts (2). These bolts must be loosened to allow motor base top plate (5) to tilt forward.
3. Turn **BOTH** Adjusting Bolts (4) until proper belt tension as recommended by the belt manufacturer has been achieved.
4. Tighten and Torque the pivot bolts (1) to 400 ft/lbs and the Rotary Plate Locking Bolts (2) to 158 ft/lbs.
5. Make a test run for at least 2 minutes to ensure all is operating properly.
6. Remove power from the drive and re-install any and all belt and/or machine guards that were not previously installed before the test run.
7. Installation is now complete.



Replacement Parts

For replacement parts, please contact your Lovejoy Distributor or the Factory Direct at:

630-852-0500

Please have your Motor base Model and the UPC # that is stamped onto the aluminum nameplate attached to one of the side supports to ensure we get you the correct parts for your model.