SLIMRACK® SLIDE-OUT

COMPONENTS ASSEMBLY MANUAL

LIPPERT COMPONENTS®

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System Information

The Lippert Components, Inc. SlimRack® Slide-out System can now be shipped disassembled at the large components level (Fig. 1). This means that some assembly will be required prior to the installation of the SlimRack® Slide-out System onto the slide-out room. The following instructions are supplied as a guide to the proper assembly of the shipped components for the best possible functioning and operation of the SlimRack® Slide-out System. This manual is to be used in conjunction with the SlimRack® Slide-out Programming Installation and Service Manual.

Additional Warranty Exclusions

In addition to the terms, conditions and exclusions set forth in the Lippert Components, Inc.'s Limited Warranty incorporated herein:

1. Any claim that is submitted involving damage or dysfunction due to a gear rack misalignment will be excluded from warranty coverage; and
2. Any claim that is submitted involving damage or dysfunction due to a bracket failure, including but not limited to the gear rack disengaging from the bracket, will be excluded from warranty coverage; and
3. Any claim that is submitted involving damage or dysfunction due to improper removal and re-installation of the motor assembly will be excluded from warranty coverage.

Safety Information

⚠ CAUTION

Moving parts can pinch, crush or cut. Keep clear and use caution during assembly.

Fig. 1

Resources Required

1. 1 to 2 Persons
2. 11⁄32" Nut Driver
3. Needle Nose Pliers

Component Descriptions

Components are shrink wrapped to each other (Fig. 2). The shrink wrap material will need to be removed. Lay out all components, which will include the following:

1. SlimRack® columns, labeled Left Hand (LH) (Fig. 3) and Right Hand (RH) (Fig. 4).

NOTE: The variant code sticker will have a DAS (Fig. 3 and Fig. 4) to depict a disassembled components package.

Fig. 2

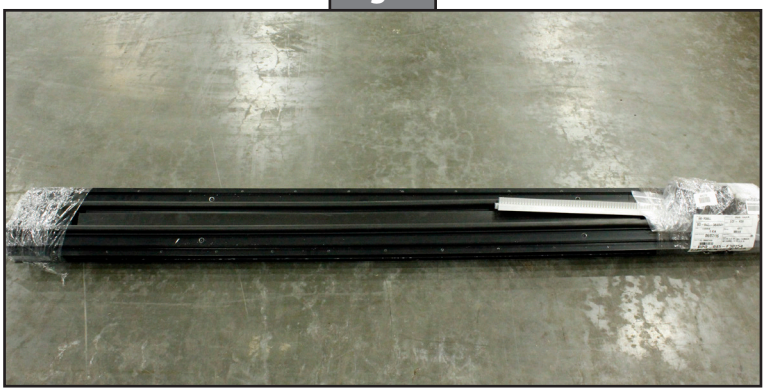


Fig. 3

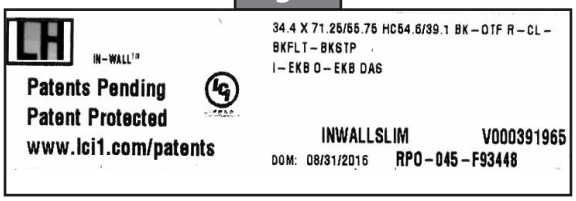
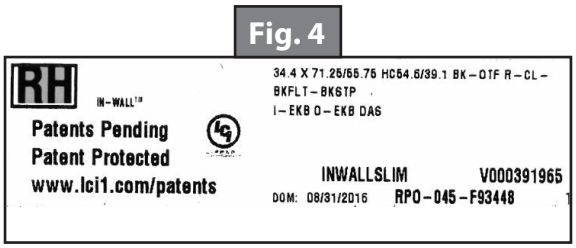


Fig. 4



2. Gear rack pieces cut to length (4 pcs), with an end bracket assembled at one end.
3. Large plastic bag includes:
   - **A.** End brackets: stepped (Fig. 5A) and flat (Fig. 5B), or a combination of both (4 pcs)
   - **B.** Small plastic bag (Fig. 6) includes:
     - **I.** Pins (4 pcs)
     - **II.** Push nuts (4 pcs)
     - **III.** Strip of 1⁄2" foam squares; minimum of 8 squares

Fig. 5

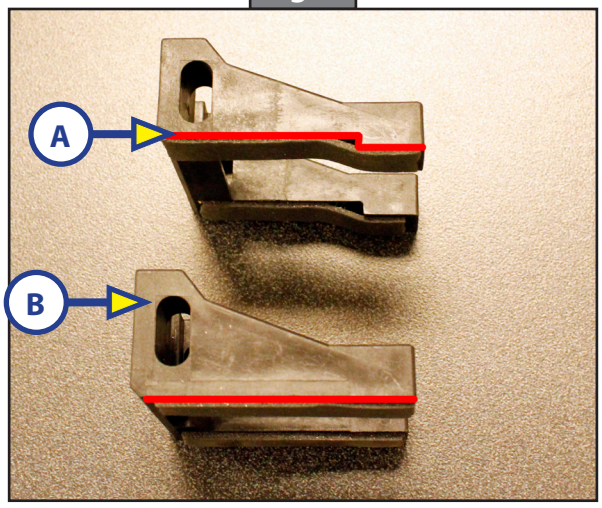
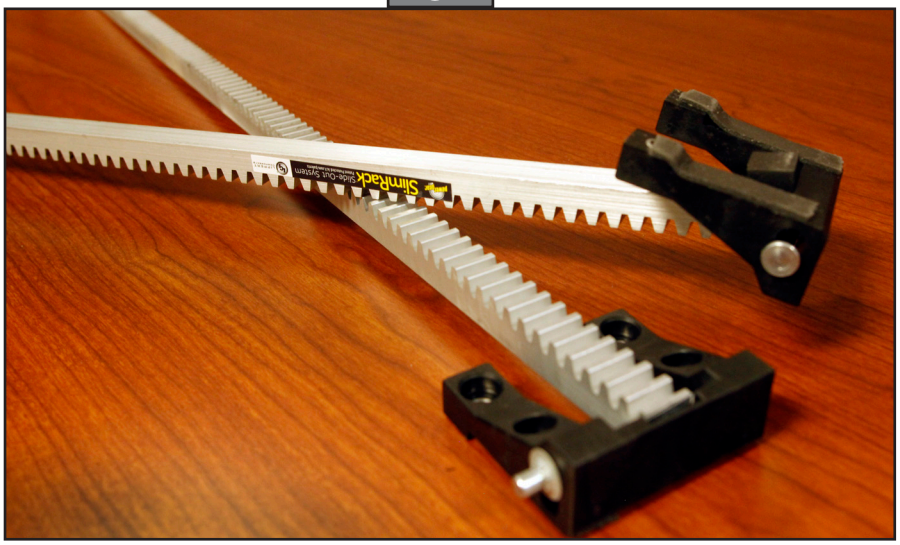


Fig. 6

Fig. 7



Installation

Gear Rack Assembly

Identify the two gear rack pieces (Fig. 7) with the pre-attached LCI SlimRack® stickers. These gear racks are the lower gear rack pieces for both the LH and RH columns. The exterior end brackets will be pre-installed from the factory. Once identified, the labels should be oriented facing up and to the exterior side of the column. The upper and lower gear racks are ready for installation into the SlimRack® columns.

Installing the Gear Rack Assembly

NOTE: The term "timing" refers to the synchronizing of both the upper and lower gear rack assemblies within the SlimRack® columns. The SlimRack® System will not function correctly unless properly timed. If the upper and lower gear rack assemblies are not inserted into the columns equally, the SlimRack® System will be out of synchronization. If both the upper and lower gear racks are in time, then the gear racks will both be flush with the outside of the drive blocks simultaneously.

1. Begin by disengaging the drive motor from the top drive block. Remove the tension spring from the catch tab on the motor (Fig. 8).

Fig. 8

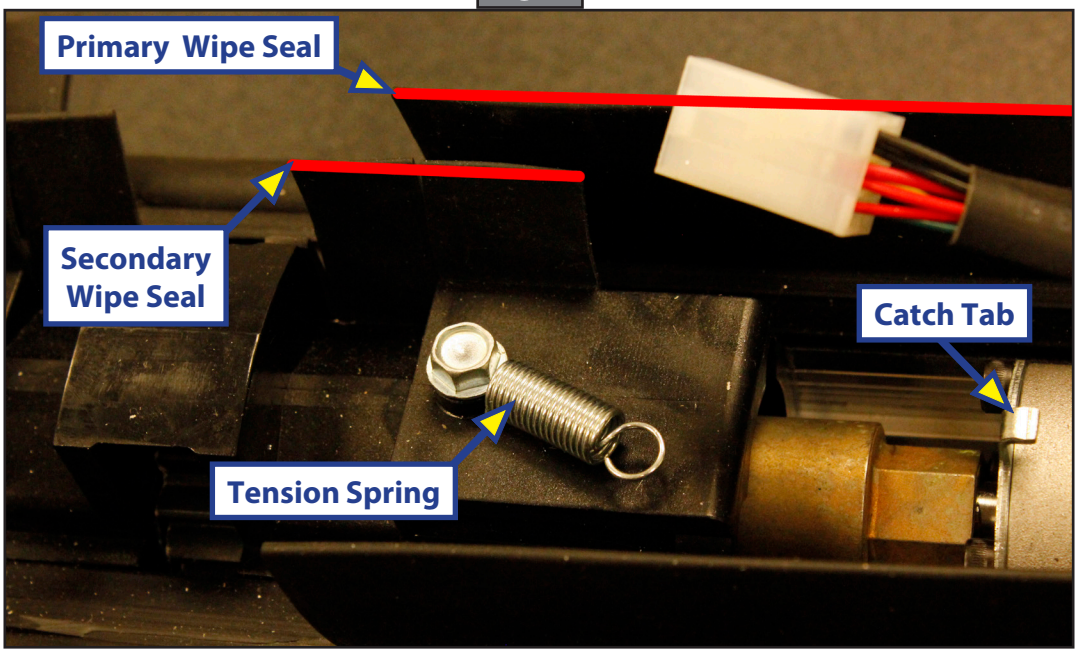


Fig. 9

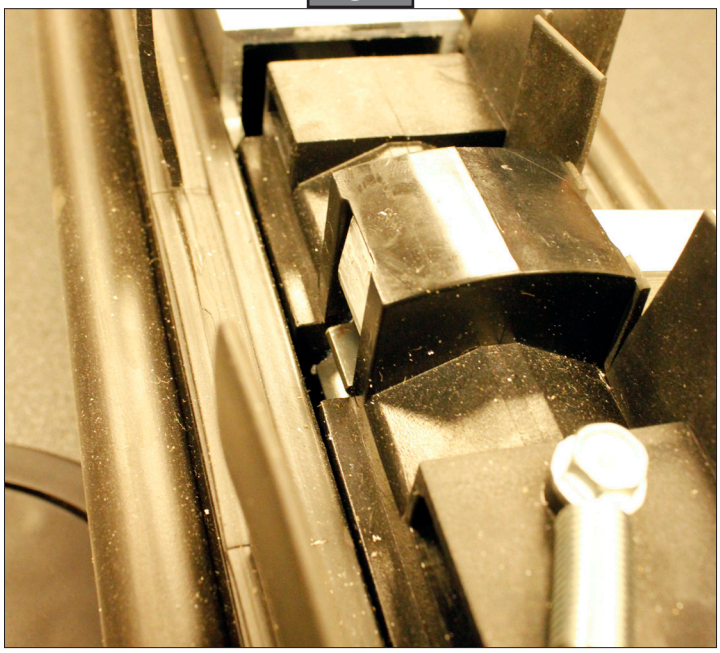
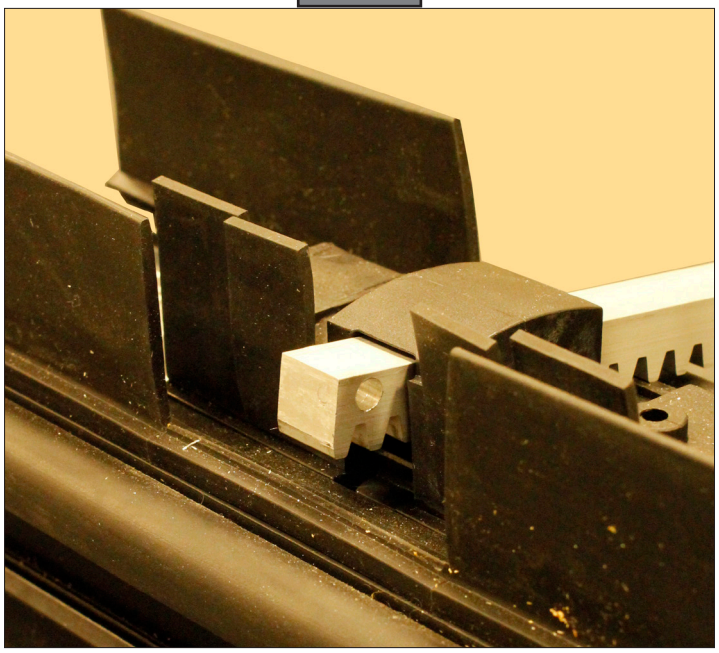


Fig. 10



2. Separate the motor assembly from the top drive block, so that the spur gears move freely.
3. Place 2 of the appropriate gear rack assemblies, an upper and lower, on the matching column.

NOTE: The 2 gear rack pieces with LCI SlimRack® stickers (Fig. 7) are intended for the lower portions of the SlimRack® columns, or furthest away from the SlimRack® motors.

NOTE: Failure to uniformly install the upper (Fig. 9) and lower (Fig. 10) gear racks will cause the SlimRack® System to be “out of time," and will cause the system to malfunction.

4. Insert both the upper and lower gear rack pieces uniformly (Fig. 11), through the primary wipe seal and then the secondary wipe seal, allowing the gear racks to feed into the spur gears at the same time.

NOTE: The timing and synchronization of the gear racks **MUST** be maintained.

5. Insert gear racks through the spur gear until the installed end bracket rests on the spur gear housing. This ensures the timing is correct before motor assembly.

Fig. 11

Fig. 12

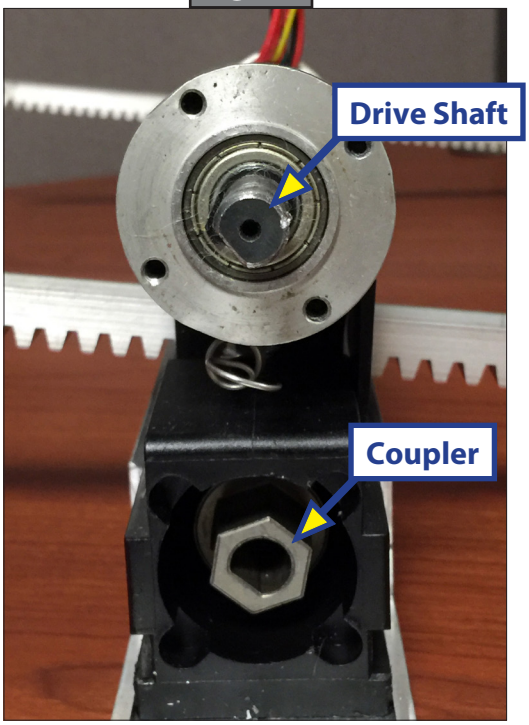
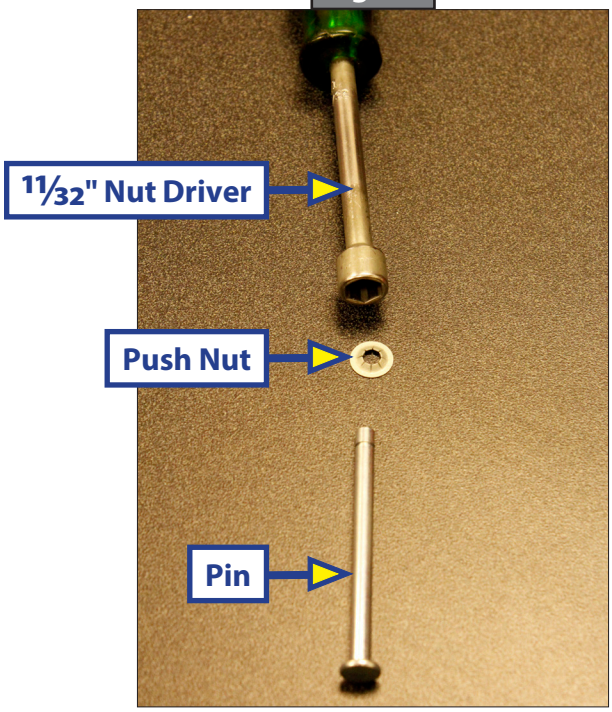


Fig. 13



6. Align the motor drive shaft and the top block coupler and insert the drive shaft into the coupler (Fig. 12).
7. Secure the tensioning spring to the catch tab on the motor (Fig. 8).

NOTE: To complete the assembly, a 11/32" nut driver is needed to secure the pins and push nuts (Fig. 13).

8. Install the appropriate bracket on the open gear rack end.

NOTE: The stepped brackets are to be used to accommodate T-molding pieces where applicable.

9. Place the pin through both the bracket and the gear rack, securing the other end of the pin with a push nut (Fig. 14).

NOTE: The push nut should be installed from below the bracket, and the pin from above when mounted.

10. Apply a small ½" square of foam to the flat edge of the gear rack located within the center of the bracket (Fig. 15). This prevents the bracket from moving freely when installing the SlimRack® to the slide-out box.
11. Repeat steps 1-9 on the remaining SlimRack® column.
12. The LCI SlimRack® System assembly is complete, and is now ready for installation onto the slide-out box.

Fig. 14

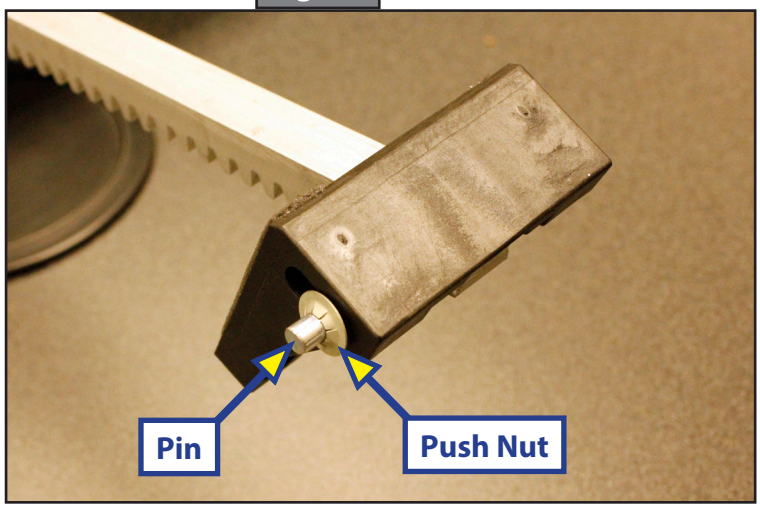
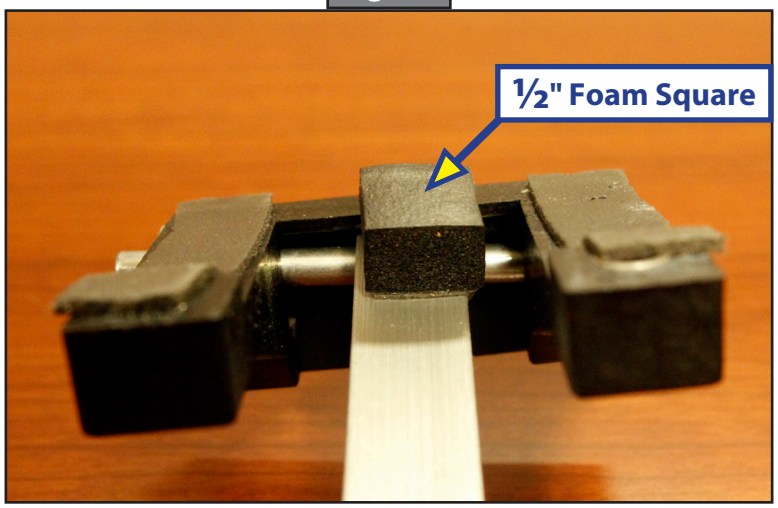


Fig. 15



Notes

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Please recycle all obsolete materials.

For all concerns or questions, please contact
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