



48499182

Models 9540IQ, 9550IQ, 9560IQ

Telescoping Push Arm Assembly

LCN®

Installation Instructions

Standard and Long Telescoping Arms

STANDARD and LONG Telescoping Arm installation steps

Refer to "Push Arm & Rod Assembly" installation instructions (part# 48375092). Start with 1a on the "Push Arm & Rod Assembly" installation instructions and continue with the following revisions (1a, 1d, 1e, 1f, 1h, 1i, and 1j will remain the same).

- 1b DO NOT try to SEPARATE or CUT the Telescoping Arm in any way. It comes pre-assembled and is able to be adjusted without any disassembly or cutting. Wait until step 1g to set the arm length.
- 1c Prep the door for the installation of the door bracket. However, do not install the door bracket until after 1f (installation of the arm assembly to the gearmotor spindle). Unlike the standard all-thread arm assembly, the door bracket is inseparable from the Telescoping Arm assembly. Refer to "Push Arm & Rod Assembly" installation instructions for required door prep according to door hinge type.
- 1g Loosen the Set Screw and partially unscrew the Ferrule Nut. Using the appropriate arm chart, extend the Telescoping Arm so that the measured distance between the centers of the Rod Ends (turnbuckles) are equal to what the chart indicates. Tighten down the Ferrule Nut and then the Set Screw.

IMPORTANT:

- a. Once at the proper length, you MUST tighten the ferrule nut snugly to 190 in-lbf (+/-10 in-lbf). Use a 9/16" wrench on the flats on the Tube Assembly to hold while tightening the Ferrule Nut. (See Figure 1)
- b. After the Ferrule Nut has been tightened, you MUST tighten the Set Screw to a minimum of 17 in-lbf. (See Figure 2)

Install the door bracket end of the Telescoping Arm to the door, ensuring the bracket is installed above the Rod End (turnbuckle) as shown in the templates in the "Push Arm & Rod Assembly" installation instructions. If the door does not open to 90 deg, loosen the Set Screw first and then the Ferrule Nut, and adjust the Telescoping Forearm to the +90 deg door position. Make sure to re-tighten the Ferrule Nut and then the Set Screw as prescribed earlier in this step.

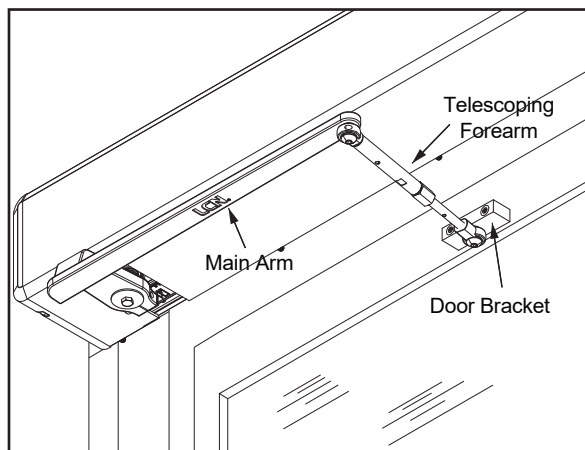
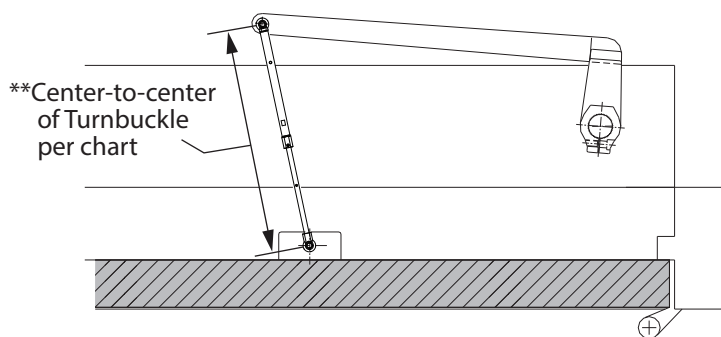
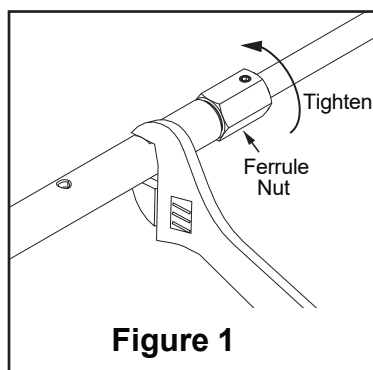


Figure 1

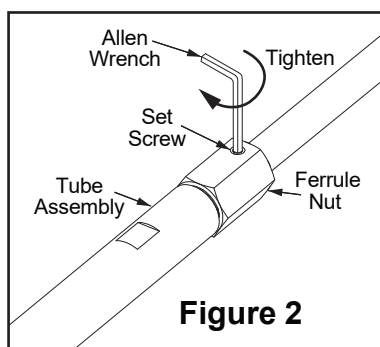


Figure 2

Customer Service

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Extra Long Telescoping Arm

EXTRA LONG Telescoping Arm installation/assembly steps

Refer to "Push Arm & Rod Assembly" installation instructions (part# 48375092). Start with 1a on the "Push Arm & Rod Assembly" installation instructions and then continue with the following revisions.

- 1b DO NOT try to CUT the Telescoping Arm in any way. It is ready to be assembled without any cutting. Wait until step 1g to set the arm length. First, assemble the Extra Long Telescoping Arm from the box:
- Loosen the Set Screw and unscrew the Ferrule Nut from Tube Assembly (Figure 3)
 - Separate the Rod Assembly (containing Ferrule Nut and Ferrule Ring) completely from Tube Assembly. (Figure 4)
 - Securely screw Tube Adapter to the Tube Assembly. (Figure 5)
 - Place Rod Assembly into the Tube/Tube Adapter Subassembly, compress to the minimum length, and screw the Ferrule Nut onto the Tube Adapter finger tight. (Figures 6, 7, and 8).

- 1c Prep the door for the installation of the door bracket. However, do not install the door bracket until after 1f (installation of the arm assembly to the gearmotor spindle). Unlike the standard all-thread arm assembly, the door bracket is inseparable from the Telescoping Arm assembly. Refer to "Push Arm & Rod Assembly" installation instructions for required door prep according to door hinge type.

- 1g Loosen the Set Screw and partially unscrew the Ferrule Nut. Using the appropriate arm chart, extend the Telescoping Arm so that the measured distance between the centers of the Rod Ends (turnbuckles) are equal to what the chart indicates. Tighten down the ferrule nut and then the set screw.

IMPORTANT:

- Once at the proper length, you MUST first tighten the ferrule nut snugly to 190 in-lbf (+/-10 in-lbf). Use a 9/16" wrench on the flats on the Tube Assembly to hold while tightening the Ferrule Nut. (Figure 1)
- After the Ferrule Nut has been tightened, you MUST tighten the Set Screw to a minimum of 17 in-lbf. (Figure 2)

Install the door bracket end of the Telescoping Arm to the door, ensuring the bracket is installed above the Rod End (turnbuckle) as shown in the templates in the "Push Arm & Rod Assembly" installation instructions. If the door does not open to 90 deg, loosen the Set Screw first and then the Ferrule Nut, and adjust the Telescoping Forearm to the +90 deg door position. Make sure to re-tighten the Ferrule Nut and then the Set Screw as prescribed in earlier in this step.

