

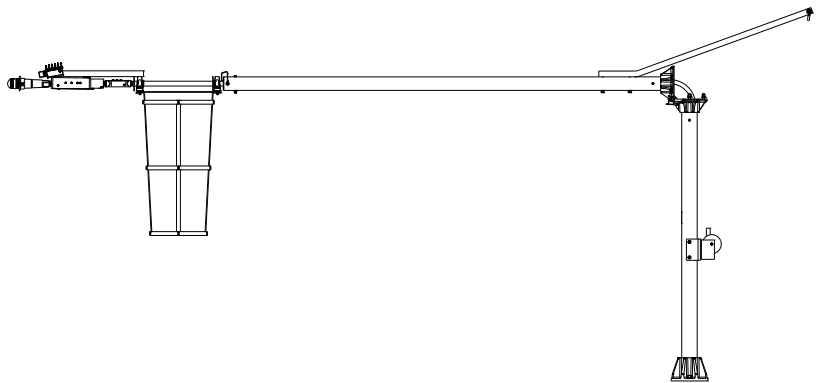
L-807 Wind Cone Hinged-pole Upgrade Kit

Size 1 and 2 to bolted cage

Installation Manual

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2.0 Installing a Hinged-Pole Kit



WARNING

Read the instructions in their entirety before starting installation.

Do not attempt to service electrical equipment if standing water is present. Use caution when servicing electrical equipment in a high-humidity environment.

Use tools with insulated handles when working with electrical equipment.

Allow only qualified personnel to perform the following tasks. Observe and follow the safety instructions in this document and all other related documentation.

Read and understand the instruction label affixed to the side of the wind cone pole on the Lowering Instructions before lowering the pole.

Lowering the pole unassisted could result in personal injury or damage to the pole assembly.

Do not attempt to raise the pole if the prevailing winds are above 20 knots.

Two persons are required to remove and replace the pole assembly to the mounting base for the L-807 Wind Cone Assemblies.

2.1 Introduction

This service bulletin provides instructions to install a new ADB Center-hinged Pole on an existing L-807 Windcone. Retrofit applicable to 44A6454 bolted cage assembly only.

2.2 Special Tools and Equipment Required

Refer to Table 2.1 for the tools and equipment required to install an ADB Center Hinged Pole Windcone Kit.

Table 2.1. Required Equipment Not Supplied

Description
Wrenches for 3/8 inch, 1/2 inch, and 5/8 inch hex screws and nuts
Allen hex keys for 5/64 inch, 3/16 inch and 1/4 inch
Medium size blade screwdriver
36 inch bubble level
Miniature size blade screwdriver
Anti-seize compound
L-807 Instruction Manual 96A0345

Figure 2.1. Hinged Pole Windcone

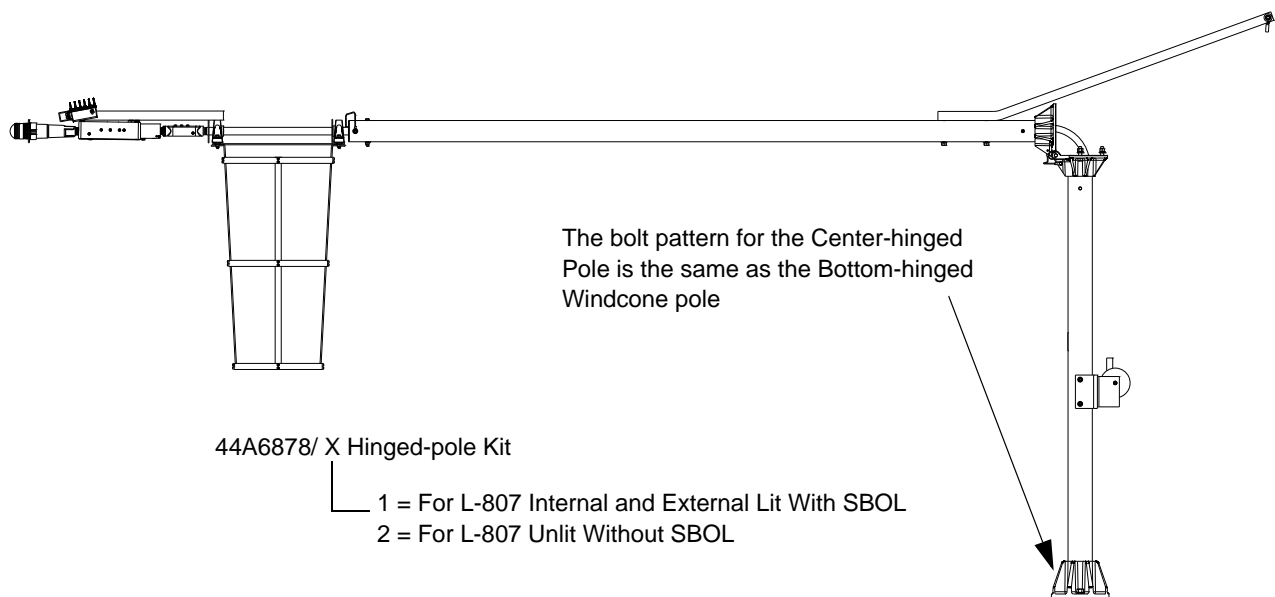
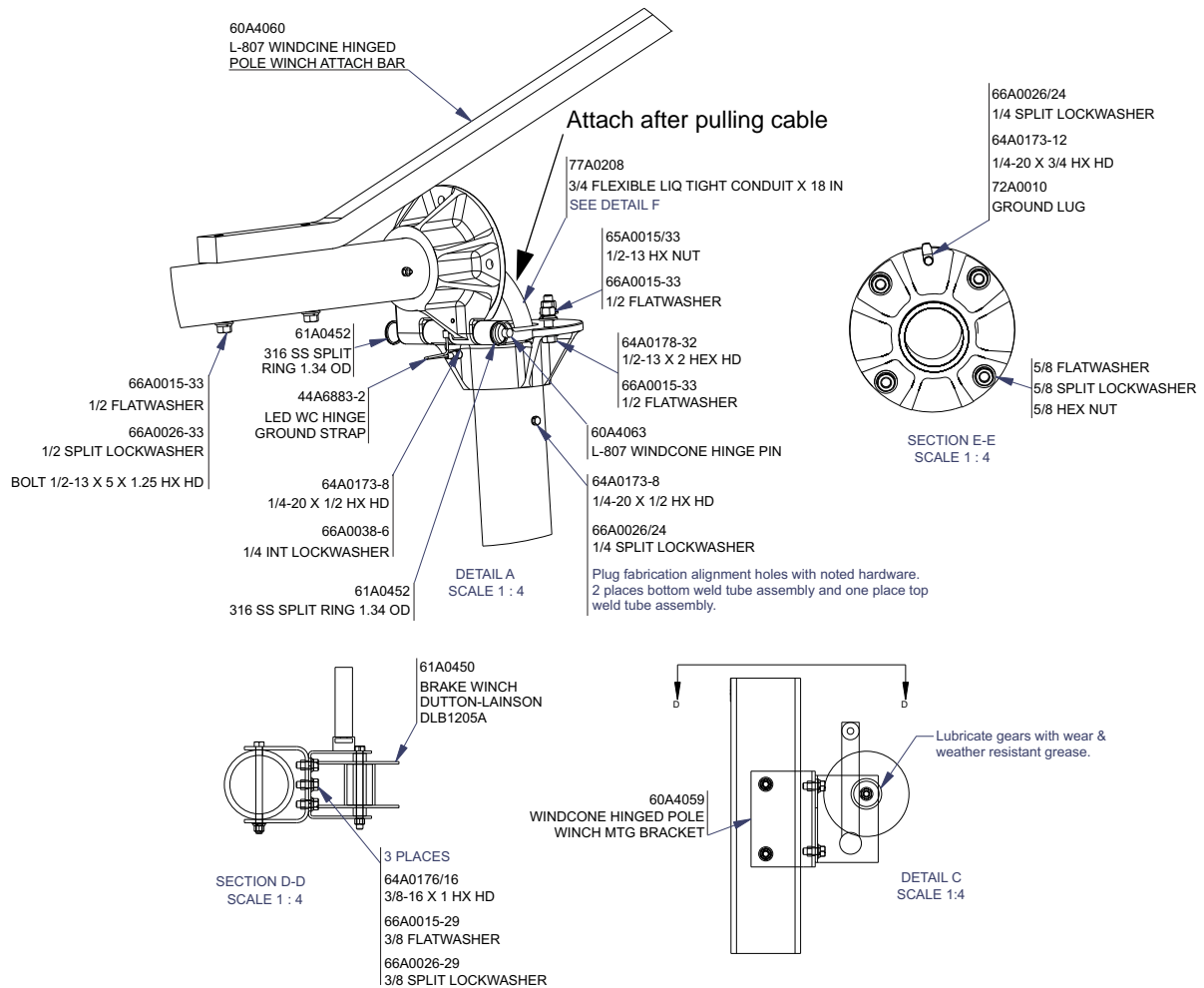


Figure 2.3. Hinged-pole diagram 2 of 2



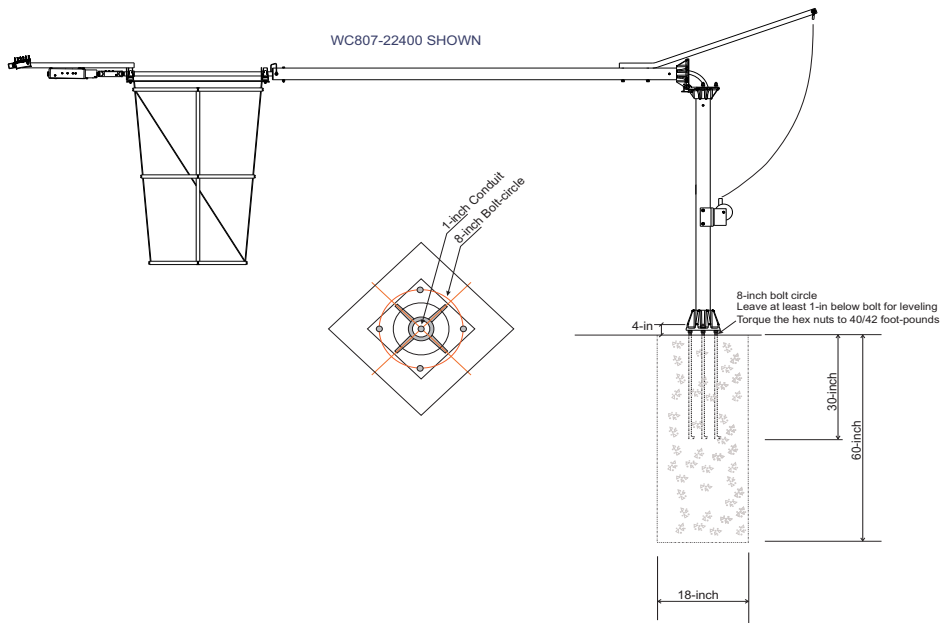
2.3.2 Assemble the Center-hinged Pole

1. Assemble the upper and lower pole sections using the Hinge Pin and the 316 Stainless Steel Split Ring.
2. Install the 3/4-inch Flexible Conduit into the hinged opening. See Detail F.
3. Pull the Power Cable through the pole.
4. Attach the Winch Attach Bar. See Detail A. Attach the Winch Cable. See Detail B.
5. Attach the Winch to the lower pole section. See Section D-D and Detail C. Connect the Winch Cable and remove the slack by turing the winch.
6. Connect the ground strap across the pole hinge. See Detail A.
7. Connect the pole to the Base and connect the Ground Strap. See Section E-E. **Do Not Pinch the Cable.**
8. Level the pole using the 8-bolts at the base. Using a level, hold in the vertical position and secure the assembly to the base with 8 1/2 inch hex nuts and flat washers. Torque the hex nuts to 40/42 foot-pounds.
9. Attach the Windcone Cage Assembly to the Pole. For the LED lighted units: Connect the Ground Strap from the top of the pole to the upper Windcone Cage Assembly.
10. Connect the Power Leads as per the correct wiring diagram. See the L-807 Windcone and ICAO L-807 manual 96A0345.

Installing a Hinged-Pole Kit

General Instructions

Figure 2.4. Windcone Foundation



2.3.3 Raising the Wind Cone Assembly with New ADB Center-hinged Pole Kit



WARNING

Read the instructions in their entirety before starting installation.

Read and understand the instruction label affixed to the side of the wind cone pole before raising the pole.

Do not attempt to raise the pole if the prevailing winds are above 20 knots.

Two persons are required to remove and replace the pole assembly to the L- 807 Wind Cone Assemblies.

1. Raise the wind cone assembly by cranking the winch to raise the pole to the vertical position.
2. Insert the 3/8" bolts and tighten the nuts to hold the hinged section in place.
3. Bolt the pole section together. See Detail A.

2.3.4 Turn On Procedure

Turn on power to the wind cone and verify all Light Engine Assemblies illuminate. For series circuit powered applications, also verify the LED Light Engines illuminate in each of the CCR steps.

Note: For additional information such as troubleshooting and parts information, download the L-806 or L-807 manual from our web site at www.ADB.siemens.com or contact your ADB sales representative for a copy of the manual. See Table 2.1.

Figure 2.5. L-806 Windcone with a Center-hinged Pole.



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