396-02-7901 QuickDraw Light Pole Kit

Kit no. 607-06-100400

This kit provides a lighting system for spray tender trailers. The light pole is equipped with four LED work lights. During installation, the lights can be aimed as needed to provide the desired light coverage. For stability, the light pole is secured to both the trailer deck and the QuickDraw cabinet.

In the stowed position, the top of the light pole is five feet above the trailer deck. When raised, the lights are approximately eight feet above the deck.

The lights are powered by the QuickDraw battery and controlled by a manual switch located inside the cabinet. The lighting system operates independently of the QuickDraw system and does not require the system to be powered on. However, leaving the lights on for an extended period will drain the battery.

Kit Contents

Item	Part Number	Desc	Qty	UoM
1	341-120104	Self Drilling Screw - Size 12 x 1-1/4" (24 Thread)	1	each
2	416-7600Y1	Nut, Top lock, M8, G10 - H137328	4	each
3	315-060100-5	3/8" x 1" Flanged Hex Head Lag Screw, Galvanized	3	each
4	208-05-7794Y1	QD Light Kit - Cabinet Harness	1	each
5	208-05-7795Y1	QD Light Kit - Pole Harness	1	each
6	217-AXE99610	LED Work Lamp, 12-24VDC, MP280 Shroud, M8x25 Adjustable Pendent	4	each
7	355-AH214026	Clevis Pin, 5/16" Dia, 1-5/8" Working Length, With Spring Clip and Retaining Cable -Galvanized	1	each
8	355-H174818	Split Ring 1-5/16" dia-SS	1	each
9	758-7738Y1-BK	QD Light Pole Bottom Weldment	1	each
10	758-7739Y1-BK	QD Light Pole Top Weldment	1	each

Required Tools

To install the kit, you will need:

- Drill equipped with a 5/16-inch hex drive bit.
- 13mm wrench.
- Slotted screwdriver.

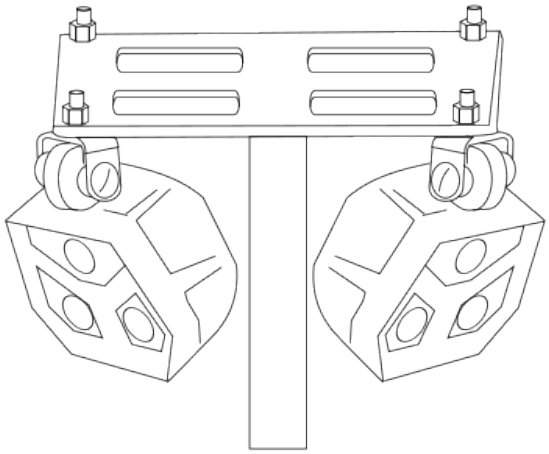
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Installation

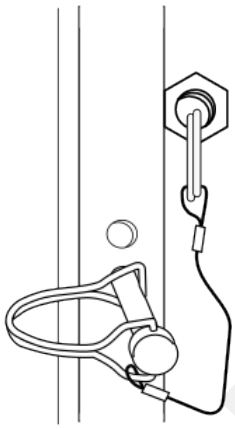
Before beginning, ensure you have the necessary parts and tools.

Hardware Installation

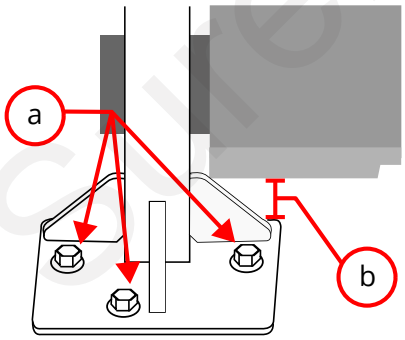
Install the light pole and hardware:



1. Attach the four LED work lights (217-AXE99610) to the underside of the mounting bracket (758-7739Y1-BK) at the top of the light pole using the four supplied lock nuts (416-7600Y1).
2. Using a 13 mm wrench, tighten the mounting and swivel nuts on each light. Position the lights to provide an initial aiming direction. Final adjustment can be completed after installation.

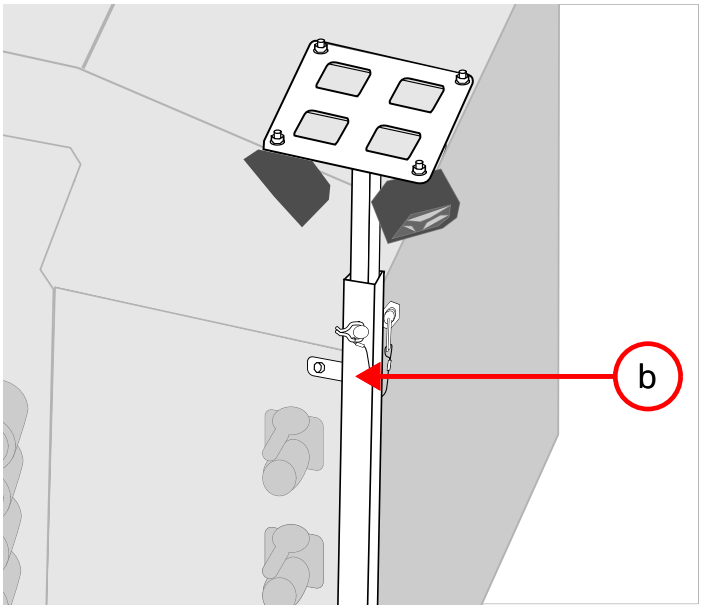


3. Attach the split ring (355-H174818) to the retaining cable on the clevis pin ()355-AH214026, then connect the split ring to the welded nut located near the top of the lower pole section.



4. Mount the light pole assembly to the trailer deck and the QuickDraw cabinet near the rear corner adjacent to the QuickDraw inlet port.
   a. Secure the base of the pole to the trailer deck using the three supplied lag screws (315-060100-5).
   b. Ensure there is enough space to allow removal of the clamp from the inlet port. This will be between 0.5 and 1 inch.

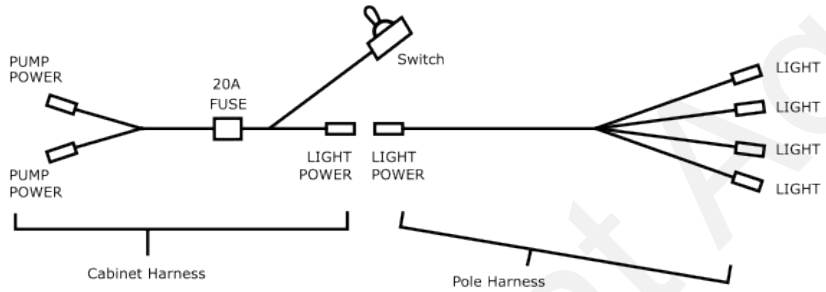
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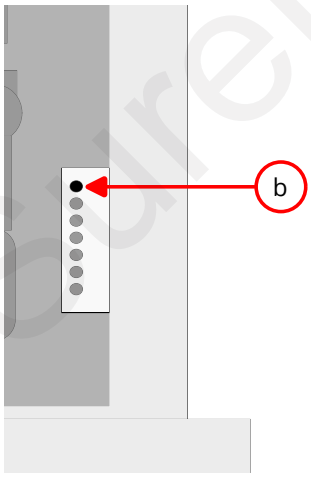
b. Secure the pole to the QuickDraw cabinet using the supplied self-drilling screw (341-120104) to provide additional stability.

3. Slide the top pole section into the bottom pole section, aligning the pin holes.
4. Install the clevis pin and secure the pole in the lowered position before routing the wiring.

Harness Installation



1. Inside the cabinet, near the battery, locate the 2-pin connector labeled **PUMP POWER.** Connect the cabinet harness (208-05-7794Y1) to this connector using the matching harness connector labeled **PUMP POWER**.
   If an existing harness is connected to the **PUMP POWER** connector, disconnect it and reconnect it to the spare **PUMP POWER** connector on the new harness.
2. Install the switch.



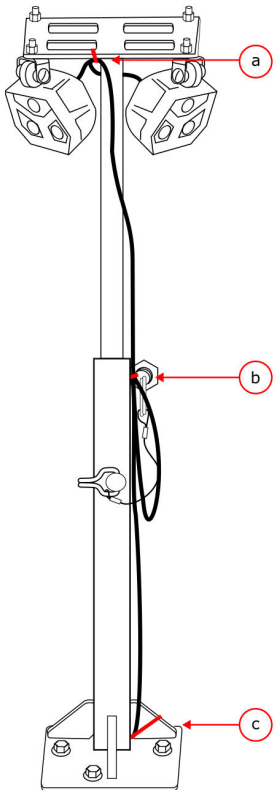
a. Route the toggle switch lead to the switch mounting location on the right side of the cabinet, just inside the door.

b. Mount the toggle switch in an available switch location.

3. Pass the connector labeled **LIGHT POWER** to the wire access opening in the cabinet floor located in the rear right corner beneath the plumbing inlet port.

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4. Connect the four harness connectors (each labeled **LIGHT**) on the pole harness (208-05-7795Y1) to the connectors on the back of each LED light fixture.
5. Connect the **LIGHT POWER** connector from the pole harness to the **LIGHT POWER** connector from the cabinet harness.
6. Secure the harness to the pole using zip ties:



a. At the top of the pole, using one of the gusset holes.

b. Near the center of the pole, through the nut welded to the top of the lower pole section.

c. Near the bottom of the pole, through a gusset hole.

NOTE
Allow sufficient harness slack for the pole to be extended.

7. Raise the pole to the desired height and secure it with the clevis pin. Adjust the LED work lights as needed to illuminate the work area.

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