

# WHELEN<sup>®</sup>

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## Installation Guide: Pioneer™ Series LED Floodlight Pole Mount

### Safety First

This document provides all the necessary information to allow your Whelen product to be properly and safely installed. Before beginning the installation and/or operation of your new product, the installation technician and operator must read this manual completely. Important information is contained herein that could prevent serious injury or damage.

- **Proper installation of this product requires the installer to have a good understanding of automotive electronics, systems and procedures.**
- **If mounting this product requires drilling holes, the installer MUST be sure that no vehicle components or other vital parts could be damaged by the drilling process. Check both sides of the mounting surface before drilling begins. Also de-burr any holes and remove any metal shards or remnants. Install grommets into all wire passage holes.**
- **If this manual states that this product may be mounted with suction cups, magnets, tape or Velcro®, clean the mounting surface with a 50/50 mix of isopropyl alcohol and water and dry thoroughly.**
- **Do not install this product or route any wires in the deployment area of your air bag. Equipment mounted or located in the air bag deployment area will damage or reduce the effectiveness of the air bag, or become a projectile that could cause serious personal injury or death. Refer to your vehicle owner's manual for the air bag deployment area. The User/Installer assumes full responsibility to determine proper mounting location, based on providing ultimate safety to all passengers inside the vehicle.**
- **For this product to operate at optimum efficiency, a good electrical connection to chassis ground must be made. The recommended procedure requires the product ground wire to be connected directly to the NEGATIVE (-) battery post.**
- **If this product uses a remote device to activate or control this product, make sure that this control is located in an area that allows both the vehicle and the control to be operated safely in any driving condition.**
- **Do not attempt to activate or control this device in a hazardous driving situation.**
- **This product contains either strobe light(s), halogen light(s), high-intensity LEDs or a combination of these lights. Do not stare directly into these lights. Momentary blindness and/or eye damage could result.**
- **Use only soap and water to clean the outer lens. Use of other chemicals could result in premature lens cracking (crazing) and discoloration. Lenses in this condition have significantly reduced effectiveness and should be replaced immediately. Inspect and operate this product regularly to confirm its proper operation and mounting condition. Do not use a pressure washer to clean this product.**
- **It is recommended that these instructions be stored in a safe place and referred to when performing maintenance and/or reinstallation of this product.**
- **FAILURE TO FOLLOW THESE SAFETY PRECAUTIONS AND INSTRUCTIONS COULD RESULT IN DAMAGE TO THE PRODUCT OR VEHICLE AND/OR SERIOUS INJURY TO YOU AND YOUR PASSENGERS!**

**For warranty information regarding this product, visit [www.whelen.com/warranty](http://www.whelen.com/warranty)**

## Mounting...

**IMPORTANT! Permanent mounting of this product will require drilling. It is absolutely necessary to make sure that no other vehicle components could be damaged by this process. Check both sides of the mounting surface before starting. If damage is likely, select a different mounting location.**

1. Secure the Handle (#1) onto the Pole Mount Bracket (#13) using the hardware provided (#10).
2. Slide the Bracket/Handle assembly into the Pioneer extrusion until it is centered. Use the Set Screws provided (#2) to secure this bracket to the extrusion. Install the Pivot Bracket (#12) onto the bracket studs and firmly secure using the hardware provided (#3, #4 & #5).
3. Insert the Pioneer/pivot bracket assembly into the receiving cup of the pivot arm (#8). Insert the hex bolt (#6) through the pivot bracket and pivot arm. Install the internal tooth lockwasher (#11) and the knob (#9) onto this hex bolt.
4. Route the Pioneer cable through the wire opening in the pivot arm. Be sure to leave a sufficient amount of slack so as to allow full movement of the Pioneer Floodlight.
5. Using the waterproof butt splices provided, extend the cable (using sufficiently sized wire) through the pipe. Refer to the wiring section for detailed wiring information.

If a pre-existing cable (of sufficient gage wire) is to be used, connect the Pioneer wires to the appropriate wires using the waterproof butt splices provided.

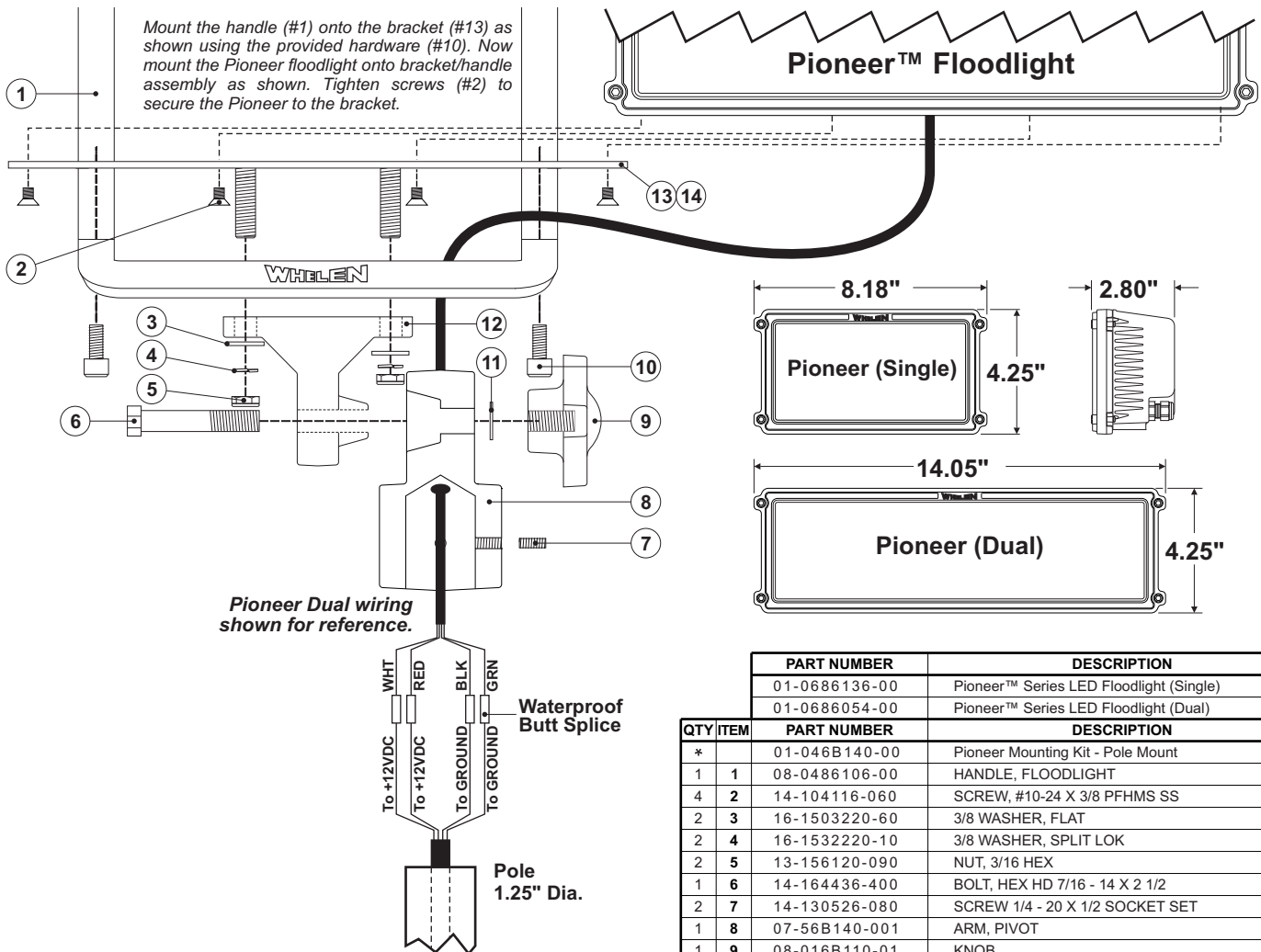
6. Slide the pivot arm onto the pole as far as it will go (approximately 1.75"). Install the two, set screws (#7) into the two holes in the pivot arm and tighten to secure the Pioneer mounting assembly to the pole.
7. When the Pioneer has been adjusted to the desired angle and rotation, tighten the knob to maintain that angle.

## Wiring...

**All customer supplied wires that connect to the positive terminal of the battery must be sized to supply at least 125% of the maximum operating current and FUSED at the battery to carry that load. DO NOT USE CIRCUIT BREAKERS WITH THIS PRODUCT!**

**Refer to the wiring guide included with your Pioneer for wire functions, fuse values and optional switch connections.**

**IMPORTANT! Before returning the vehicle to active service, visually confirm the proper operation of this product, as well as all vehicle components/equipment.**



PART NUMBER		DESCRIPTION	
01-0686136-00		Pioneer™ Series LED Floodlight (Single)	
01-0686054-00		Pioneer™ Series LED Floodlight (Dual)	
QTY	ITEM	PART NUMBER	DESCRIPTION
*		01-046B140-00	Pioneer Mounting Kit - Pole Mount
1	1	08-0486106-00	HANDLE, FLOODLIGHT
4	2	14-104116-060	SCREW, #10-24 X 3/8 PFHMS SS
2	3	16-1503220-60	3/8 WASHER, FLAT
2	4	16-1532220-10	3/8 WASHER, SPLIT LOK
2	5	13-156120-090	NUT, 3/16 HEX
1	6	14-164436-400	BOLT, HEX HD 7/16 - 14 X 2 1/2
2	7	14-130526-080	SCREW 1/4 - 20 X 1/2 SOCKET SET
1	8	07-56B140-001	ARM, PIVOT
1	9	08-016B110-01	KNOB
2	10	14-130A26-120	1/4-20 X 3/4 SOCKET HEAD CAP, SS
1	11	16-1622520-12	WASHER, INTERNAL TOOTH 7/16
1	12	07-26B108-002	BRACKET, PIVOT
1	13	07-26C070-001	BRACKET, POLE MOUNT (DUAL)
1	14	07-26C071-001	BRACKET, POLE MOUNT (SINGLE)