

Upgrade Kit Installation Guide

Fixture: PROV - Providence Medium

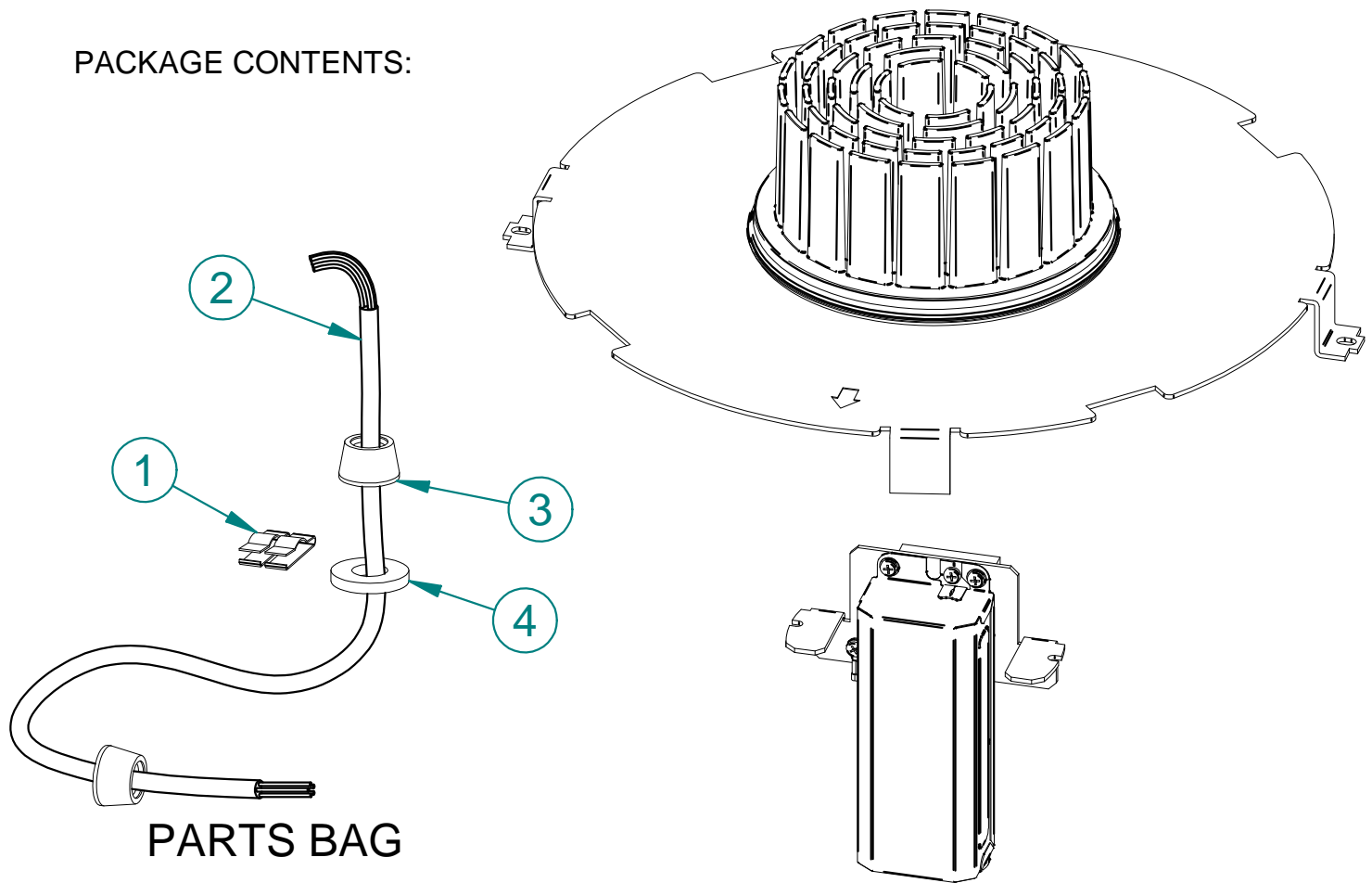


WARNING: Fixtures must be grounded in accordance with local codes or the National Electrical Code. Failure to do so may result in serious personal injury.

MAINTENANCE: A regularly scheduled maintenance program should be established to retain optimum light output and reduce heat retention. Dusting with a soft, clean, dry cloth is normally sufficient for the optics.

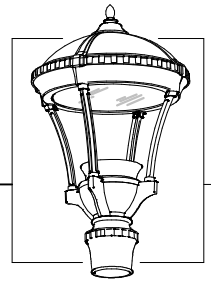
CAUTION: All wiring must be done by a qualified electrician. KEEP THIS SHEET FOR FUTURE REFERENCE.

PACKAGE CONTENTS:



PARTS BAG

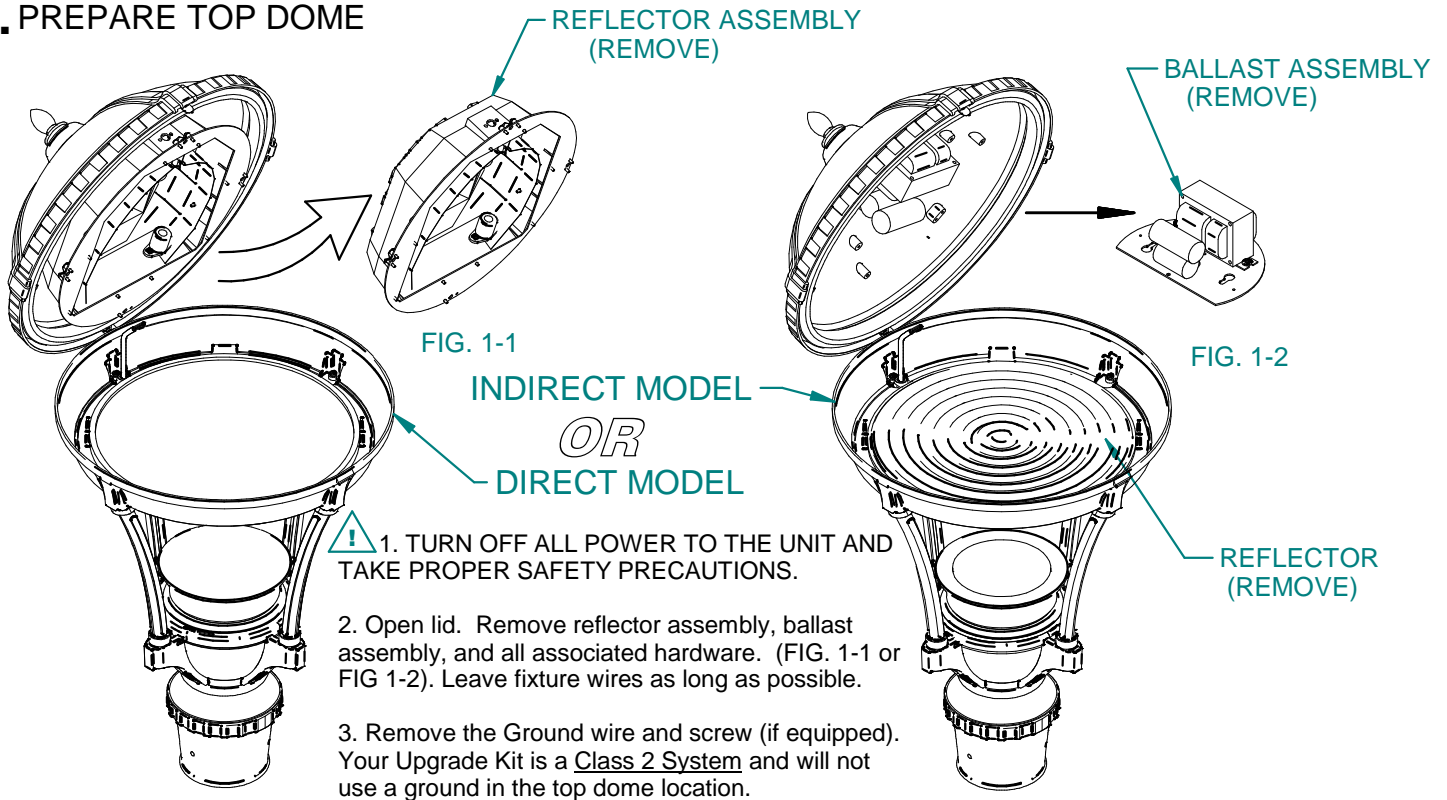
4	1	A84106	WASHER 13/32x7/8x1/8 FLAT 316 SS	
3	2	93049810	TAPERED BUSHING .625in ODx.275inID	
2	1	93007211-24	CABLE 5 CONDUCTOR - 24in LONG	
1	2	A80120	CLIP-FITTER CAP BOTTOM	
ITEM #	QTY	PART #	DESCRIPTION	NOTES



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1. PREPARE TOP DOME



- !** 1. TURN OFF ALL POWER TO THE UNIT AND TAKE PROPER SAFETY PRECAUTIONS.
2. Open lid. Remove reflector assembly, ballast assembly, and all associated hardware. (FIG. 1-1 or FIG 1-2). Leave fixture wires as long as possible.
3. Remove the Ground wire and screw (if equipped). Your Upgrade Kit is a Class 2 System and will not use a ground in the top dome location.

2.

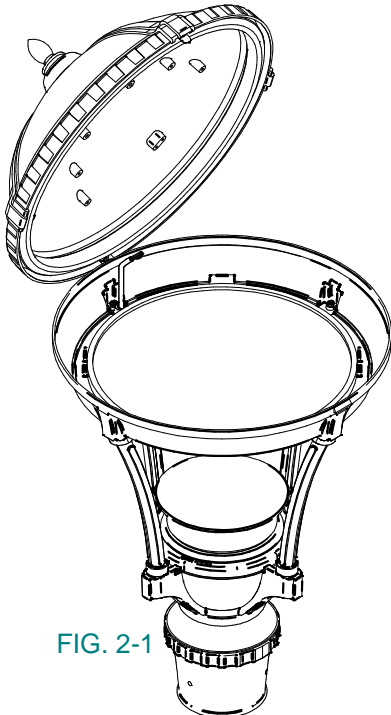


FIG. 2-1

The entire top dome should now be completely clear of all sheet metal and hardware.

3. LENS REMOVAL *or* INSTALLATION (OPTIONAL):

The fixture can be used with or without lens (no lens recommended).

If installing lens, be sure the ridge on the gasket is on the bottom.

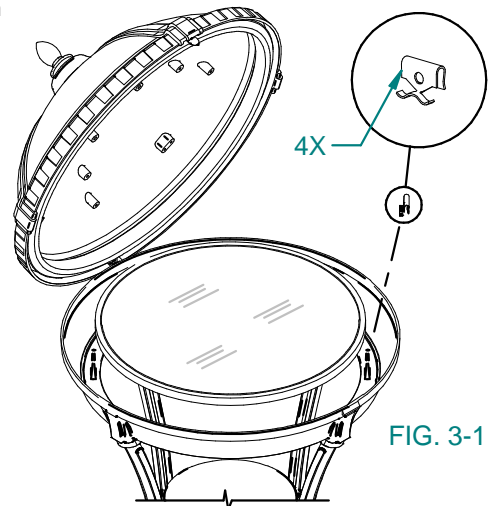
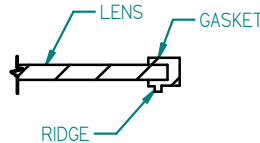
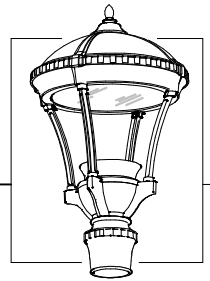


FIG. 3-1

To remove existing lens:

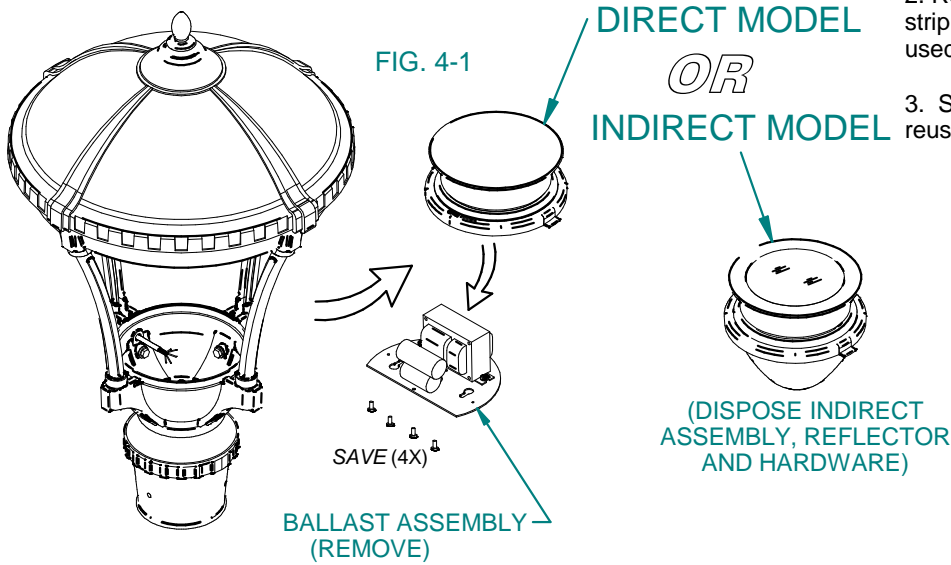
1. Using Vice-Grips, pull off three (3) of the four (4) lens clips.
2. Remove lens and gasket.
3. The fourth lens clip will then come off very easily.



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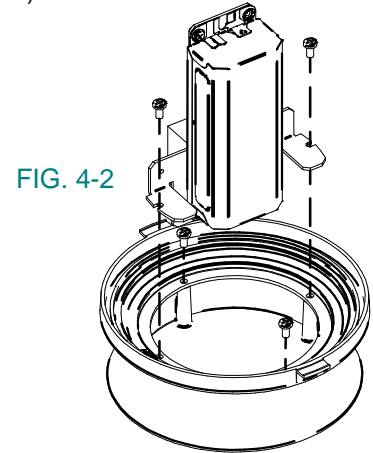
4. PREPARE DRIVER ASSEMBLY



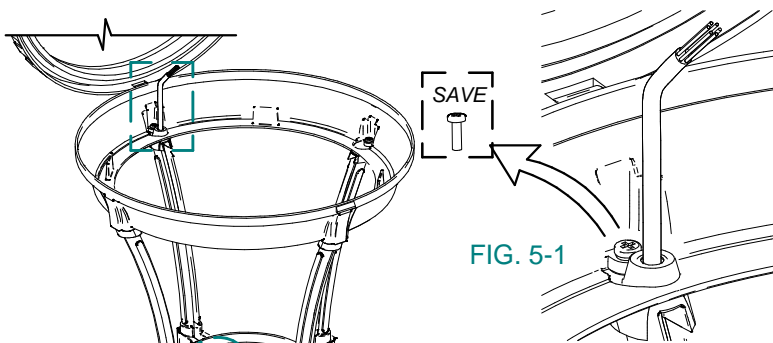
1. Remove Lower Slipfitter Cap by rotating it counter-clockwise.

2. Remove ballast assembly (applications vary). Cut and strip ground wire, leave it as long as possible as it will be used again.

3. **SAVE** the four (4) 10-24 x 3/8" screws, they will be reused (fig. 4-1).

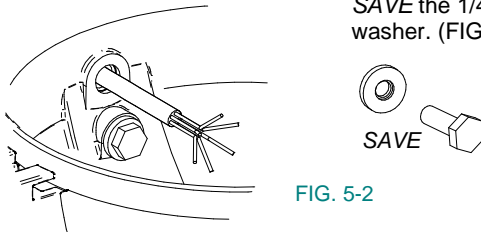


5. RETROFIT 6-CONDUCTOR CABLE TO 5-CONDUCTOR CABLE

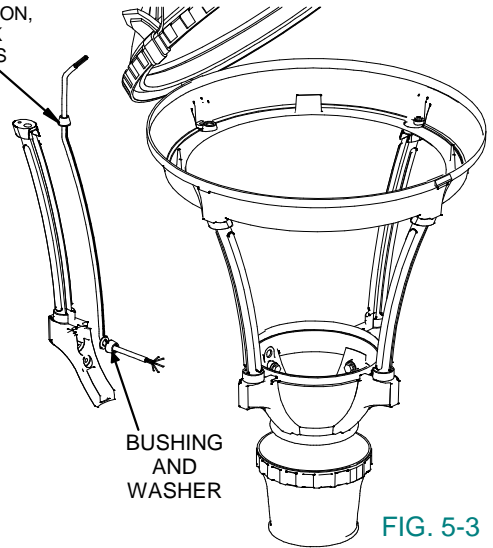


1. Locate the strut that contains the power cable. Remove and **SAVE** the 10-24 x 1/2" screw that secures the strut. (FIG. 5-1)

2. In the bottom section, remove and **SAVE** the 1/4-20 x 3/4" screw and washer. (FIG. 5-2) then remove the strut.



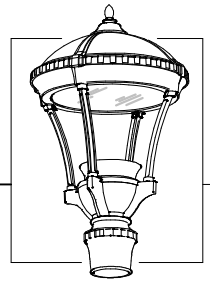
REMOVE BUSHING FOR INSTALLATION, PLACE BACK AFTERWARDS



3. Replace existing power cable and *grey or orange* silicone bushings with new 5-conductor cable and black bushings. Remove the top bushing to install the cable thru the strut hole and place it back again afterward.

4. **NOTE LOCATION OF FLAT WASHER.** Flat washer to be installed in the bottom of the strut.

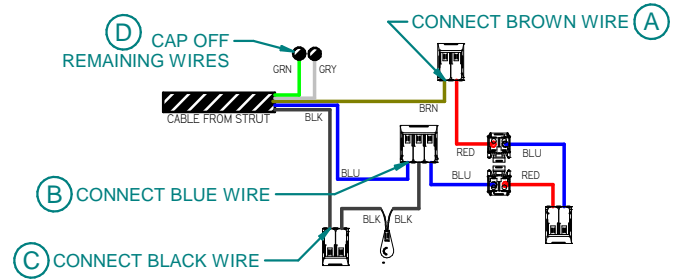
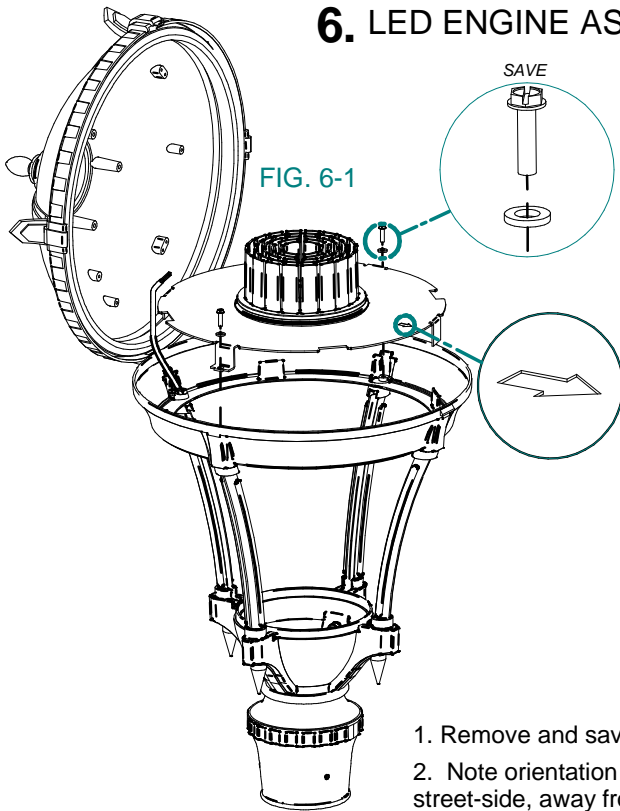
5. Re-assembly of the strut is the opposite of dis-assembly.



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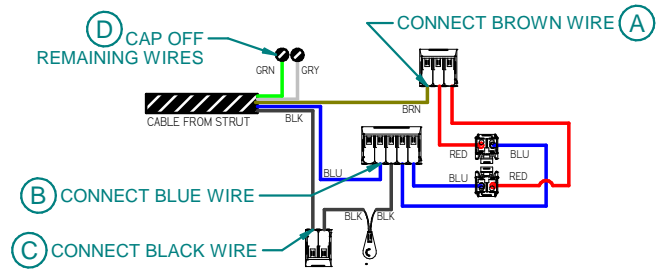
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6. LED ENGINE ASSEMBLY



510 & 615 mA WIRING DIAGRAM

FIG. 6-2B



325mA WIRING DIAGRAM

FIG. 6-2A

1. Remove and save the two (2X) strut screws that are located 90° from hinge location (FIG. 6-1).
2. Note orientation of light pattern arrow in the new light engine (FIG. 6-1). Arrow points towards street-side, away from dome hinge.
3. Install LED assembly using (2X) existing screws and washers (FIG. 6-1).
4. Connect the LED assembly to the strut cable as the wiring diagram shows, cap off remaining wires (follow the four steps).

7. DRIVER ASSEMBLY

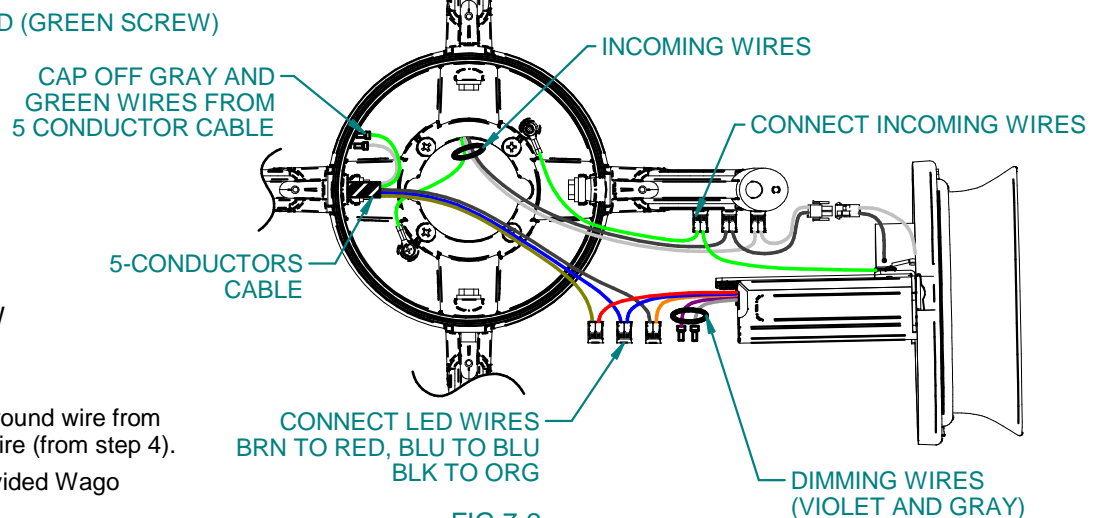
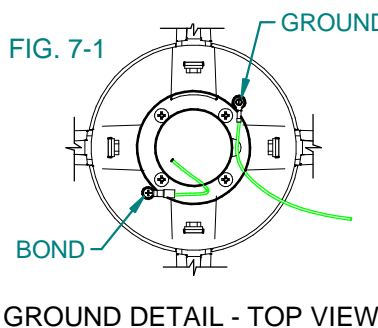
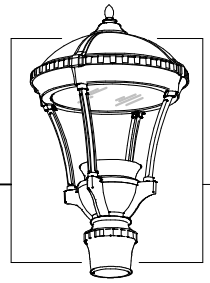


FIG. 7-2

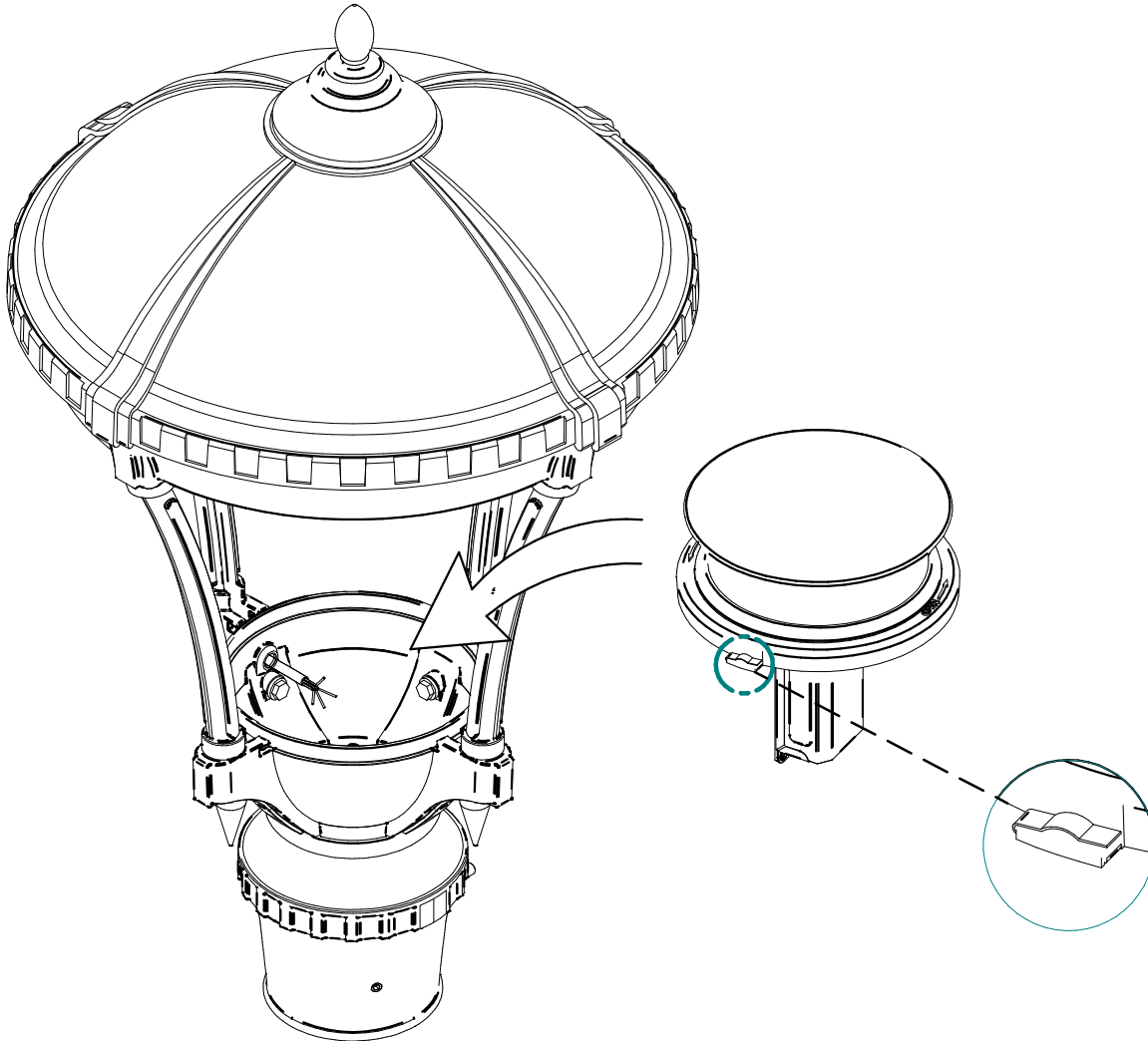
5. See FIG 7-1 and 7-2. Connect ground wire from driver assembly to existing ground wire (from step 4).
6. Connect incoming wires with provided Wago connectors FIG 7-2.
7. Connect LED wires and cap off remaining wires.



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CLOSE FIXTURE



1. Lower the lid again.
2. Install Driver Assembly into slipfitter using provided spring clips. (Driver assembly can be assembled into round slipfitter cap in any 90° orientation.)
3. Power the fixture, upgrade is complete.