

INSTALLATION INSTRUCTIONS ARO PENDANT WITH P1DB HANGING SYSTEM

These instructions cover the ARO LUMINAIRE with the following options:

SERIES	HANGING SYSTEM	SIZE	LIGHT SOURCE	CONTROL	WIRE DIAGRAM
AO2 (ARO)	P1DB: PENDANT WITH ANGLED AIRCRAFT CABLES AND POWER CORD TO CANOPY WITH INTEGRAL DRIVER; MOUNTS TO 4X4 OCTAGON J-BOX (BY OTHERS)	24"	STATIC WHITE	DM1: 0-10V DIM 1% DM3: LUTRON HI-LUME ECOSYSTEM 1% (LDE1)	WIRE DIAGRAM A ON SHEET 5
		36"	STATIC WHITE		WIRE DIAGRAM A ON SHEET 5
		48"	STATIC WHITE		WIRE DIAGRAM A ON SHEET 5
		60"	STATIC WHITE		WIRE DIAGRAM A ON SHEET 5
		72"	STATIC WHITE		WIRE DIAGRAM B ON SHEET 6

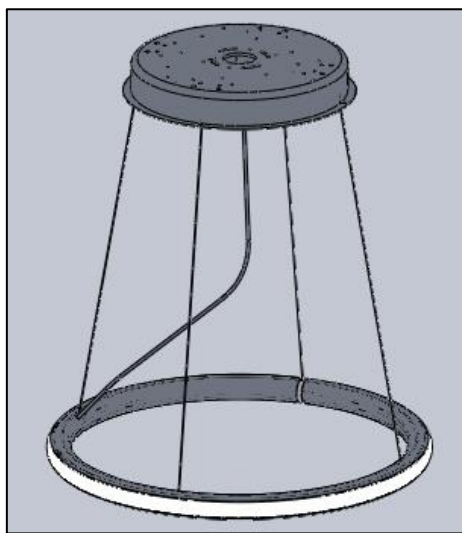


FIG. 1 - AO2-P1DB-XX-MW-XXX-LED1_XXK-UNV-XXX-DM1

GENERAL NOTES:

1. PLEASE COMPLETELY READ THE INSTALL INSTRUCTIONS BEFORE STARTING INSTALLATION.
2. TURN OFF POWER TO CIRCUIT FIXTURE WHILE IT IS BEING INSTALLED.
3. INSTALL IN ACCORDANCE WITH ALL LOCAL, STATE AND NATIONAL CODES CONSULT WITH A QUALIFIED ELECTRICIAN FOR PROPER INSTALLATION.
4. CAREFULLY UNPACK ALL CONTENTS; SOME COMPONENTS MAY HAVE BEEN SHIPPED IN SEPARATE BOXES. MOST FIXTURES ARE SHIPPED PARTIALLY ASSEMBLED. SOME UNASSEMBLY MAY BE REQUIRED FOR INSTALLATION.
5. FIXTURE POWER CORD WIRES ARE LOW- VOLTAGE. DO NOT CONNECT TO LINE VOLTAGE OR DAMAGE TO THE FIXTURE WILL OCCUR AND WARRANTY WILL BE VOIDED.
6. DO NOT LET THE ARO LUMINAIRE HANG FREE UNTIL ALL THE AIRCRAFT CABLES ARE SECURED AND EVENLY TENSIONED.

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AO2-P1DB-INSTALLATION-INSTRUCTIONS

GENERAL INFORMATION:

You will receive the following with each ARO P1DB series pendant fixture:

1. ARO LUMINAIRE. (Pre-assembled as shown in FIG. 2)
2. INSTALLATION INSTRUCTIONS (shown in FIG. 3) - Please completely read the install instructions before starting installation.
3. CANOPY WITH DRIVER INSTALLED (as shown in FIG. 4)

WARNING: Examine all components for any damage before beginning installation.

WARNING: This fixture should be installed by a licensed electrician only.

WARNING: Be careful not to scratch or damage any finished parts.

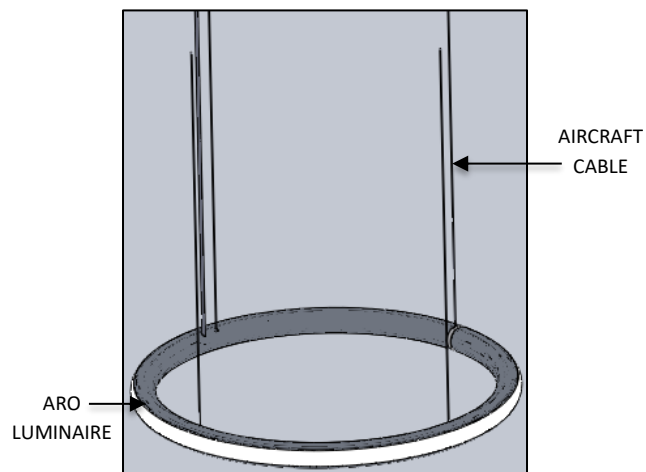


FIG. 2 - ARO LUMINAIRE
(PRE-ASSEMBLED)

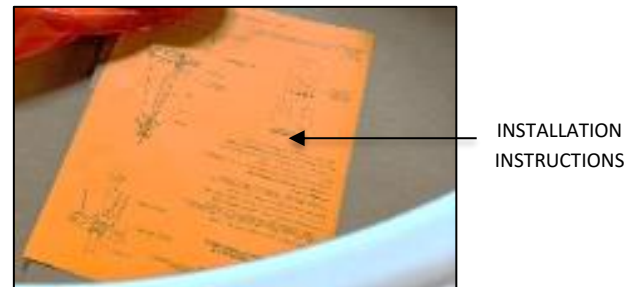


FIG. 3 - INSTALLATION INSTRUCTIONS

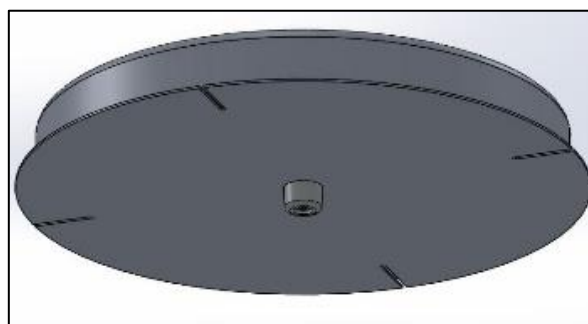


FIG. 4 - CANOPY

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MOUNTING:

ARO MOUNTING [CANOPY]:

1. Dis-assemble the FINIAL and the CANOPY PLATE from the CANOPY ASSEMBLY as shown in FIG. 5 below.

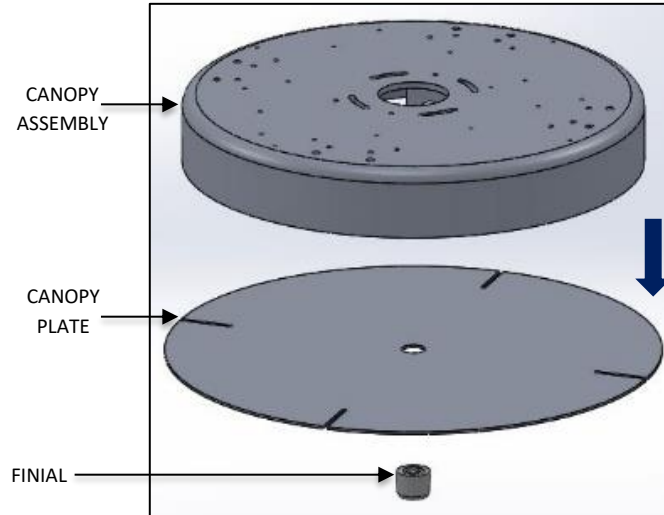


FIG. 5 – CANOPY DIS-ASSEMBLY

2. Assemble the CANOPY ASSEMBLY to the JUNCTION BOX (by others) with screws (by others) at the center of the non-powered mounting points as shown in FIG. 6 below.

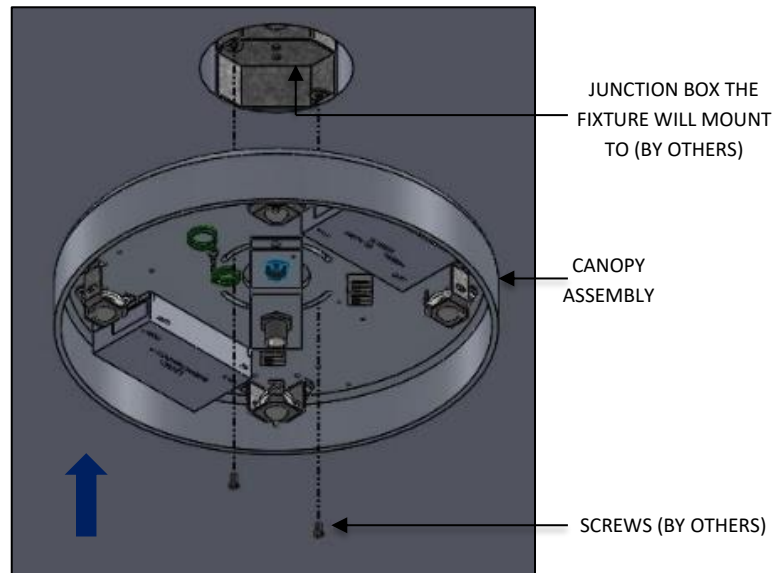


FIG. 6 – CANOPY ASSEMBLY INSTALLATION

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AO2-P1DB-INSTALLATION-INSTRUCTIONS

- Connect building supply wires to the driver. Make all wire connections in accordance with the national electrical code and all applicable local and state codes. Refer WIRE DIAGRAM TABLE for corresponding WIRE DIAGRAM connections.

WIRE DIAGRAM TABLE						
SERIES	HANGING SYSTEM	BODY SIZE	LIGHT SOURCE	LED OUTPUT	CONTROL	WIRE DIAGRAM
AO2 (ARO)	P1DB	24"	STATIC WHITE	LED1	DM1: 0-10V DIM 1% DM3: LUTRON HI-LUME ECOSYSTEM 1% (LDE1)	WIRE DIAGRAM A ON SHEET 5
	P1DB	36"	STATIC WHITE	LED1		WIRE DIAGRAM A ON SHEET 5
	P1DB	48"	STATIC WHITE	LED1		WIRE DIAGRAM A ON SHEET 5
	P1DB	60"	STATIC WHITE	LED1		WIRE DIAGRAM A ON SHEET 5
	P1DB	72"	STATIC WHITE	LED1		WIRE DIAGRAM B ON SHEET 6

WIRE DIAGRAM A (FOR 24", 36", 48" & 60"):

- Connect building supply wires to the driver as per connections shown in FIG. 7.
- Connect the Fixture Cord wires as per WIRE LABEL TABLE as shown in FIG. 8 and refer WIRE DIAGRAM as shown in FIG. 9 below for exact wire connections.

DRIVER WIRES TO BUILDING SUPPLY
 BLACK WIRE = LINE VOLTAGE
 WHITE WIRE = NEUTRAL
 GREEN WIRE = GROUND
 PURPLE = DIM +
 GREY = DIM -

FIG. 7 – WIRE CONNECTION FROM BUILDING SUPPLY TO DRIVER

WIRE LABEL TABLE		
CONTROL	WIRE	LABEL
ALL	INSULATED WIRE	LED +
ALL	BRAIDED WIRE	LED -

FIG. 8 – WIRE CONNECTION FROM DRIVER TO FIXTURE CORD

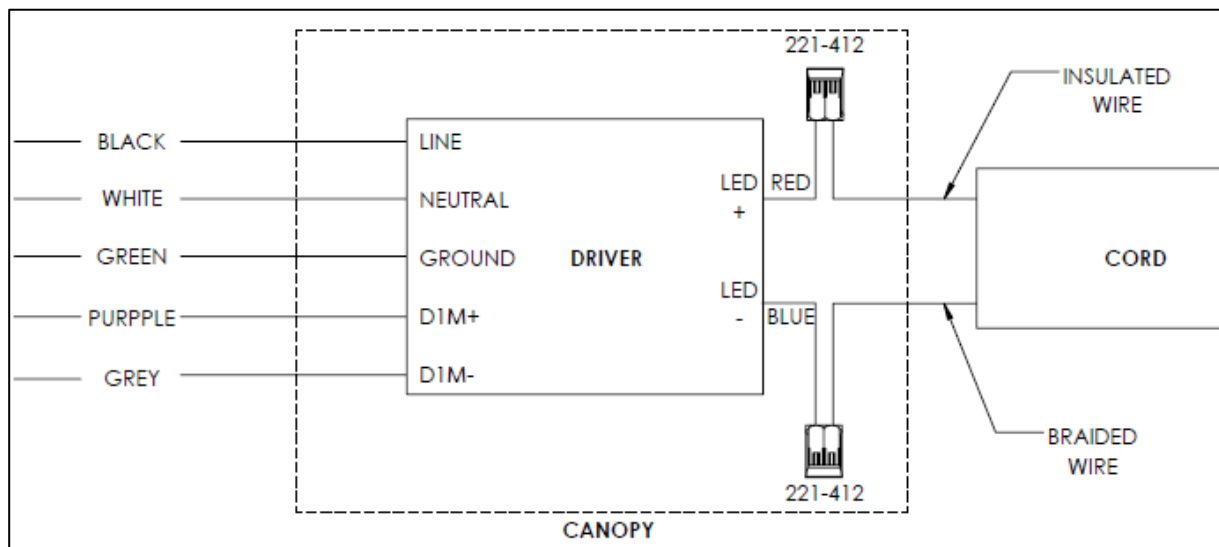


FIG. 9 – WIRE DIAGRAM FOR 24", 36", 48" & 60" MODELS

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AO2-P1DB-INSTALLATION-INSTRUCTIONS

WIRE DIAGRAM B (FOR 72"):

1. Connect building supply wires to the driver as per connections shown in FIG. 10.
2. Connect the Fixture Cord wires as per WIRE LABEL TABLE as shown in FIG. 11 and refer WIRE DIAGRAM as shown in FIG. 12 below for exact wire connections.

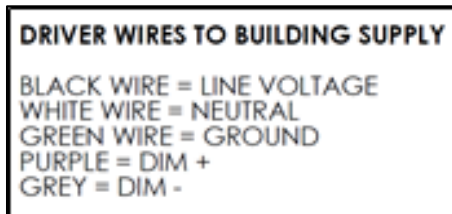


FIG. 10 – WIRE CONNECTION FROM BUILDING SUPPLY TO DRIVER

WIRE LABEL TABLE		
CONTROL	WIRE COLOR	LABEL
ALL	WHITE	DRIVER 1 LED +
ALL	BLACK	DRIVER 1 LED -
ALL	PURPLE	DRIVER 2 LED +
ALL	GREY	DRIVER 2 LED -

FIG. 11 – WIRE CONNECTION FROM DRIVER TO FIXTURE CORD

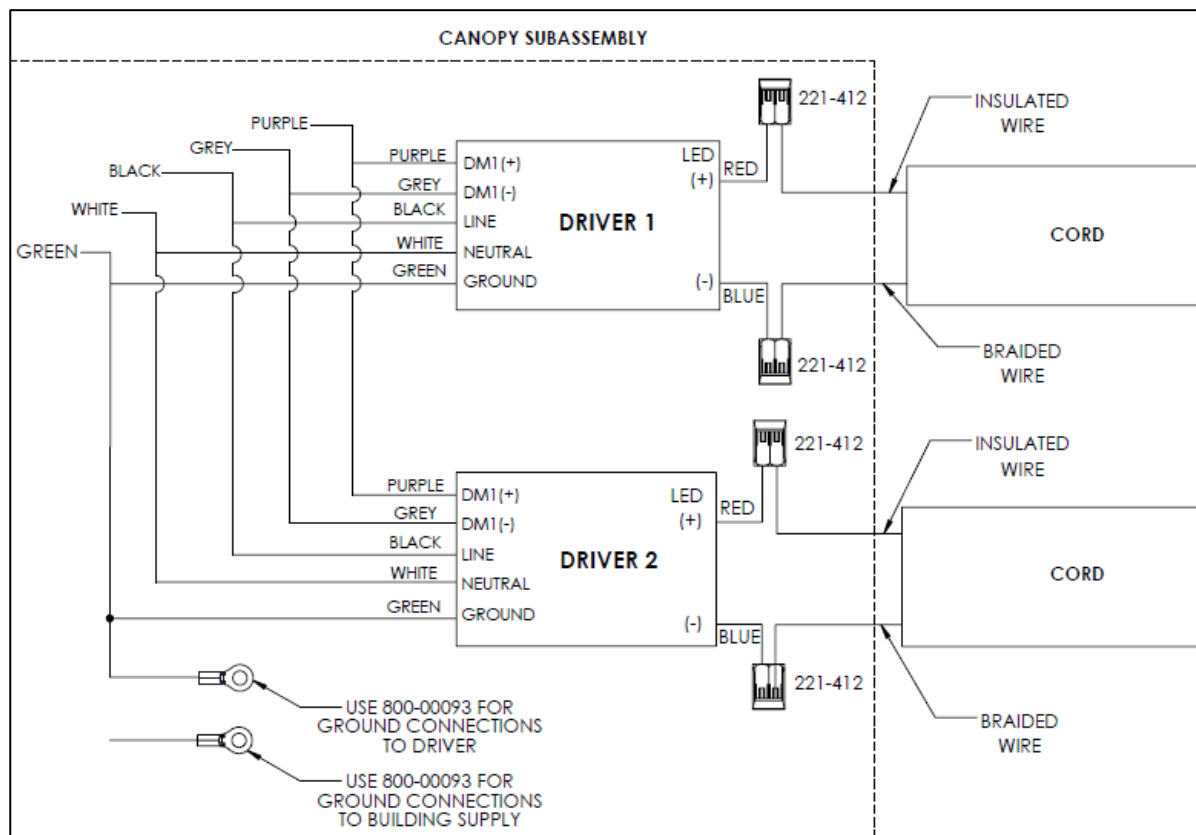


FIG. 12 – WIRE DIAGRAM FOR 72" MODELS

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AO2-P1DB-INSTALLATION-INSTRUCTIONS

4. Pass the FINIAL and the CANOPY PLATE through the CORD as shown in FIG. 13 below.

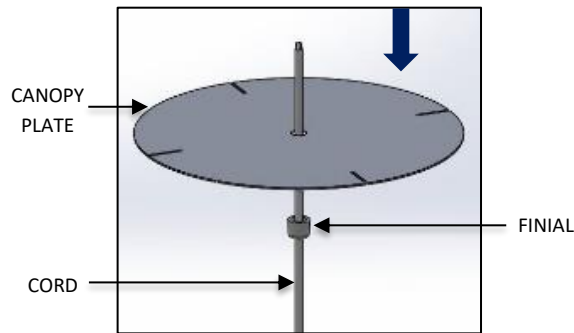


FIG. 13 – CANOPY PLATE
AND FINIAL INSTALLATION

5. Raise the ARO LUMINAIRE up, with multiple people, to the ceiling and feed the AIRCRAFT CABLE through the GRIPLOCK and CORD through NIPPLE which is available in MOUNTING BRACKET ASSEMBLY. Adjust the AIRCRAFT CABLE to the desired length as shown in FIG. 14 & 15 below.

NOTE: Make sure to trim the excess of AIRCRAFT CABLE, leaving at least 1.75" past the GRIPLOCK for the GRIPLOCK to function properly. Make sure that the aircraft cable is taped up above the GRIPLOCK, so there is no chance of anything shorts.

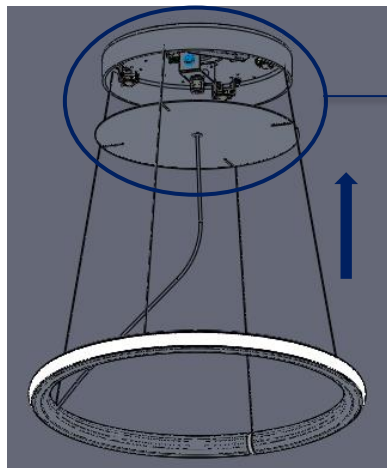


FIG. 14 - INSTALLATION VIEW

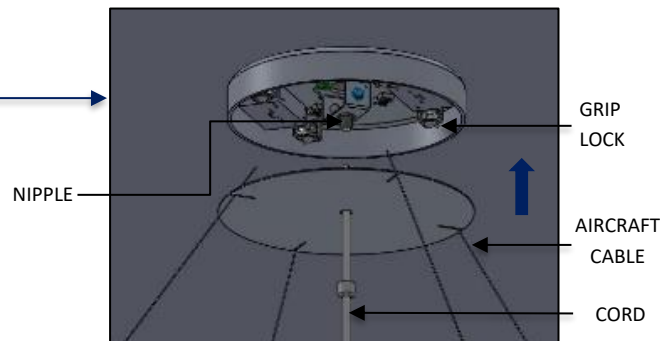


FIG. 15 – CANOPY DETAIL VIEW

WARNING:



1. Do not let the ARO LUMINAIRE hang free until all the AIRCRAFT CABLES are secured and evenly tensioned.

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AO2-P1DB-INSTALLATION-INSTRUCTIONS

6. Make all CORD connections inside the CANOPY in accordance with the NATIONAL ELECTRICAL CODE and all applicable local and state codes. Refer WIRE DIAGRAM TABLE on sheet 5 for corresponding WIRE DIAGRAM connections. See instructions on how to shorten/install the cord on sheet 9.
7. Raise CANOPY PLATE and secure to ceiling by threading the FINIAL until fully seated as shown in FIG. 16.

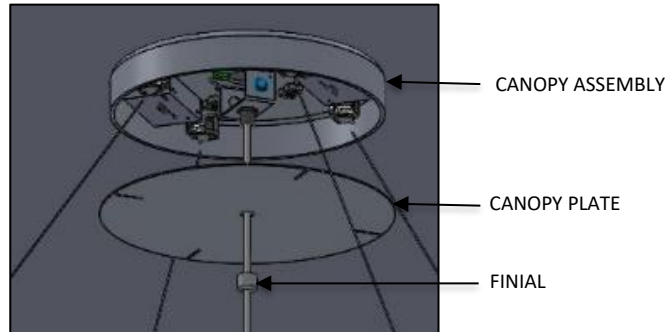
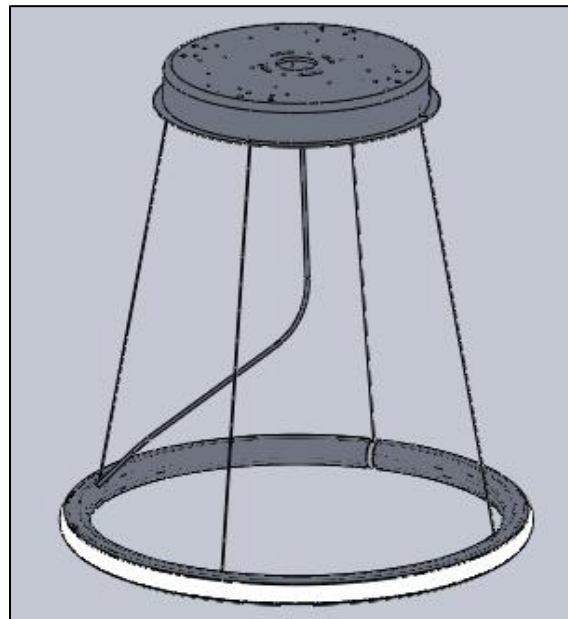


FIG. 16 - FINIAL INSTALLATION

8. Restore power to circuit the ARO series pendant is connected to.
 - a. Test to see that the luminaire turns on after power is restored.
 - b. Contact OCL for any Luminaire troubleshooting, if a problem occurs.

FIG. 17 - COMPLETED INSTALLATION OF ARO
PENDANT WITH P1DB HANGING SYSTEM

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CORD INSTALLATION INSTRUCTIONS (ONLY FOR 24", 36", 48" & 60" FIXTURES)

1. Strip off 1.00" of outer clear insulation exposing the outer metal braiding as shown in FIG. 18 below. Be careful not to cut or damage the outer metal braiding. Gently push braiding down to loosen the individual braids exposing the inner insulated wire as shown in FIG. 19 below.

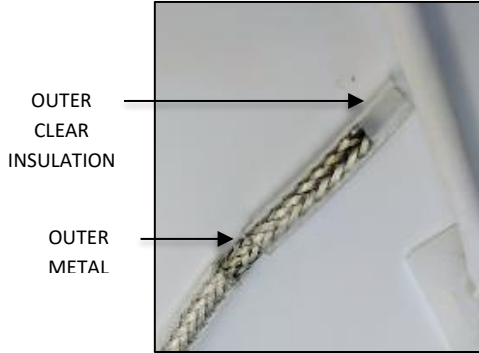


FIG. 18

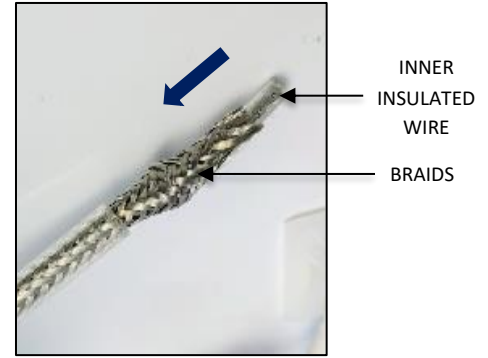


FIG. 19

2. Using a small pointed object, begin unweaving the exposed metal braiding as shown in FIG. 20 below. Position the unwoven metal strands on one side of the inner insulated wire and twist the individual strands together as shown in FIG. 21 below.

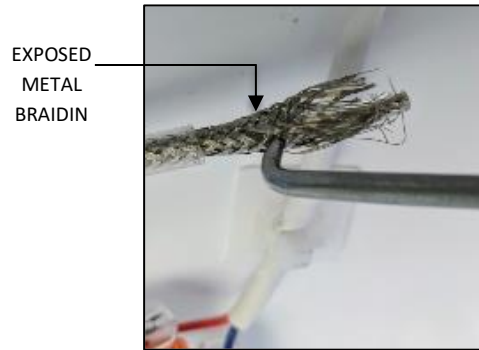


FIG. 20

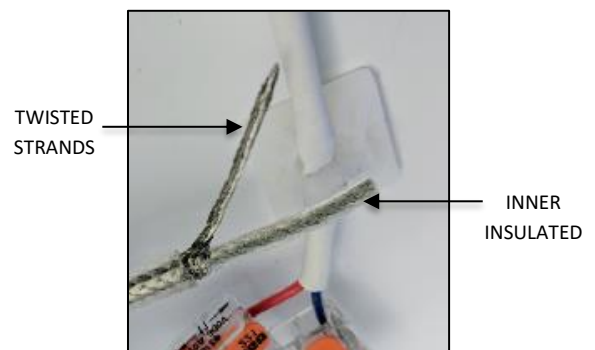


FIG. 21

3. Using electrical tape, insulate the twisted strands leaving 0.188" exposed for connections. Strip off 0.188" of the inner insulation as you normally would for 18AWG stranded core wire as shown in FIG. 22 below. Connect the inner insulated wire (+) to the positive 16 gauge or larger wire ran in step 5 at the hanging bracket and Connect the outer braiding (-) to the negative 16 gauge or larger wire ran in step 5 at the hanging bracket FIG. 23 below.

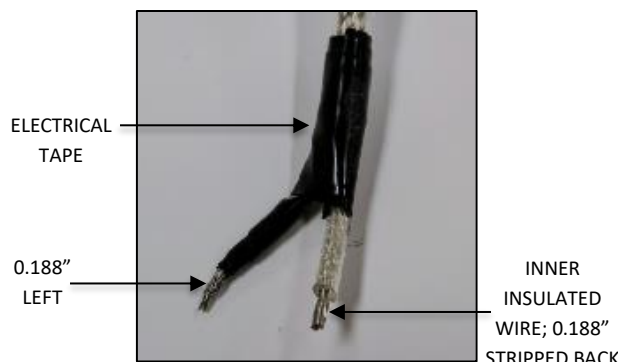


FIG. 22

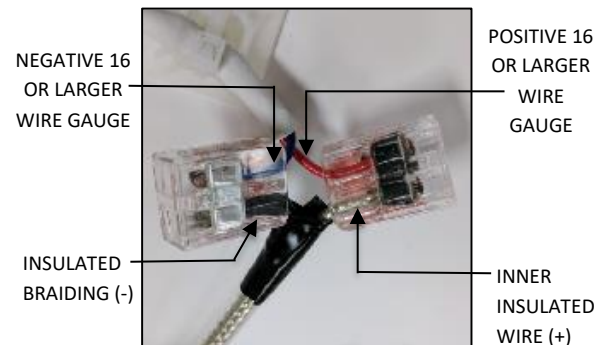


FIG. 23

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