CF-D1-E-_

904-CF-D1-E-02

# Installation Instructions for **Cirrus Float End Feed**

IMPORTANT INFORMATION
- This product is suitable for indoor locations.
- This instruction shows a typical installation.
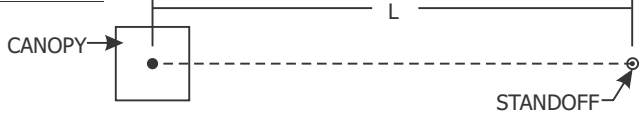- Ensure that power to the junction box is **OFF** before beginning any electrical work.

SAVE THESE INSTRUCTIONS!

Install the Fixture

A

CANOPY

STANDOFF

AIRCRAFT CABLE

COAXIAL CABLE

H

CHANNEL

**TOP VIEW**

L

CANOPY
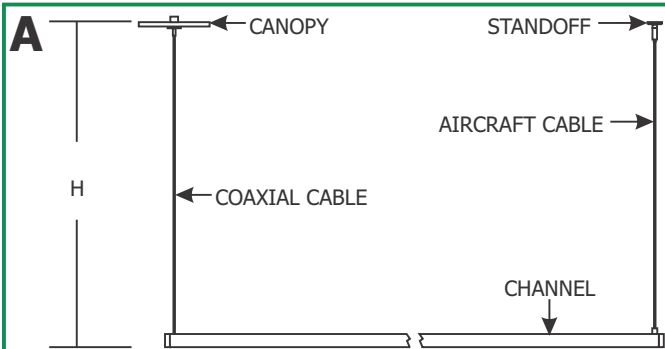
STANDOFF

1: Measure the distance between the coaxial cable and the aircraft cable mounted on the channel. This measurement varies on the fixture length.
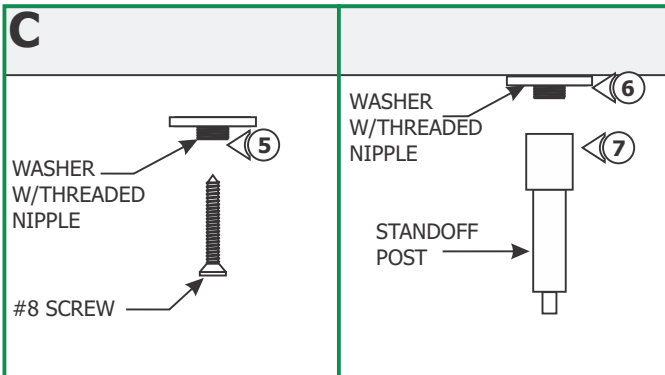
2: Mark the standoff location from the center of the electrical box for the distant achieved on step 1.

3: Tap the anchors onto the marked points up to the threaded portion with a hammer.

4: Screw in the threaded portion of the anchors with a Phillips screwdriver.

B

CEILING

③

ANCHOR

④
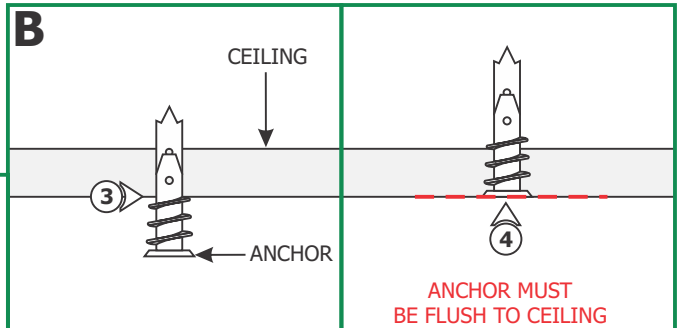
ANCHOR MUST
BE FLUSH TO CEILING

C

WASHER
W/THREADED
NIPPLE

⑤

#8 SCREW

WASHER
W/THREADED
NIPPLE

⑥

⑦

STANDOFF
POST

5: Feed the #8 screw through the washer w/threaded nipple into the anchor.

6: Tighten the #8-32 screw completely into the anchor.

**7:** Tighten the standoff posts completely onto the threaded nipple.

D

STANDOFF
POST TAB

⑧

AIRCRAFT
CABLE

⑧

8: Push the tab on standoff and feed the aircraft cable from the channel into a standoff, to hold the one end of the fixture in place.

E

POWER CANOPY

(9)

COAXIAL CABLE

K1
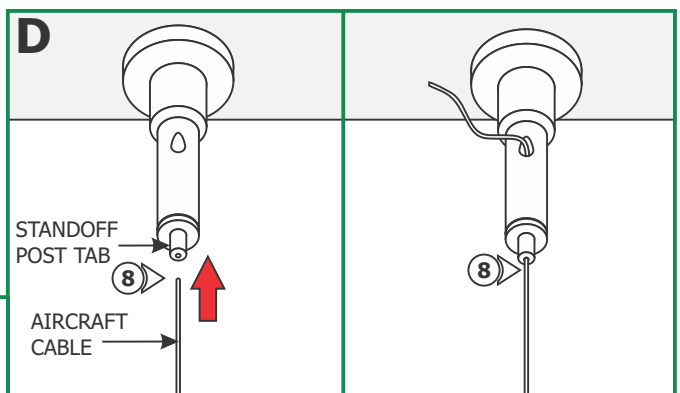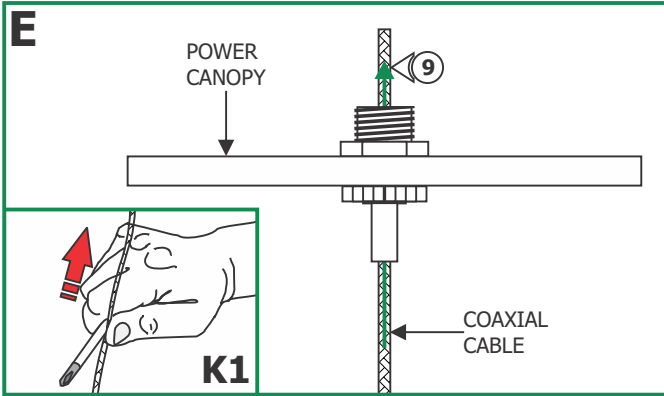
9: Feed the coaxial cable through the power feed canopy.

NOTE: If cable is curled or kinked, straighten by holding between the shaft of a screwdriver and thumb and pulling the cable through (see inset **K1**)

F

(10) WIRE STRIPPERS

(11)

COAXIAL CABLE

BARE WIRE — 1/8"
INNER INSULATION
BRAIDED WIRE
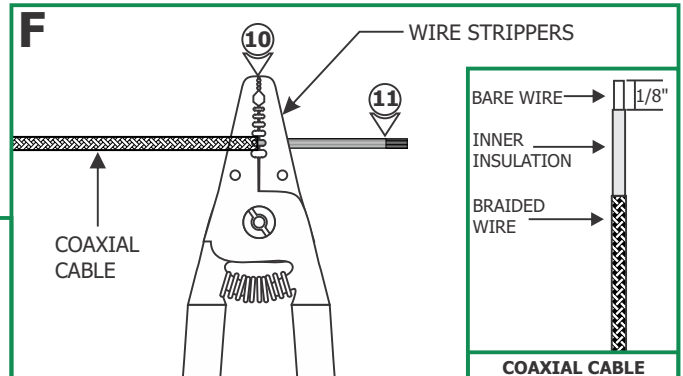
COAXIAL CABLE

10: Using the 18 AWG hole of the wire strippers, remove 1" of the outer braided wire.

11: Using the 20 AWG hole of the wire strippers, remove 1/8" of inner plastic insulation from the end of the coaxial cable.

G

COAXIAL CONNECTOR COVER

COAXIAL CONNECTOR COVER

(12)

CONNECTOR ASSEMBLY
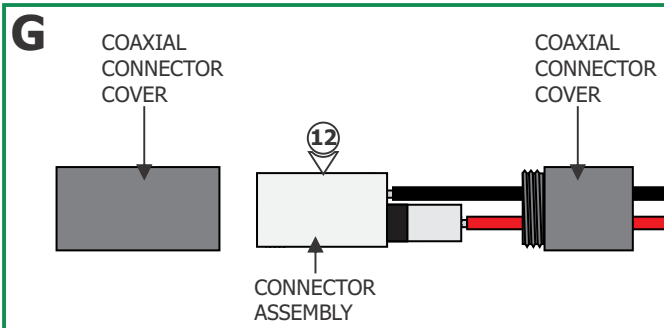
12: Unscrew the coaxial connector covers and remove from the connector assembly.

H

2MM ALLEN WRENCH

1.5MM ALLEN WRENCH

(13) M3 SET SCREW
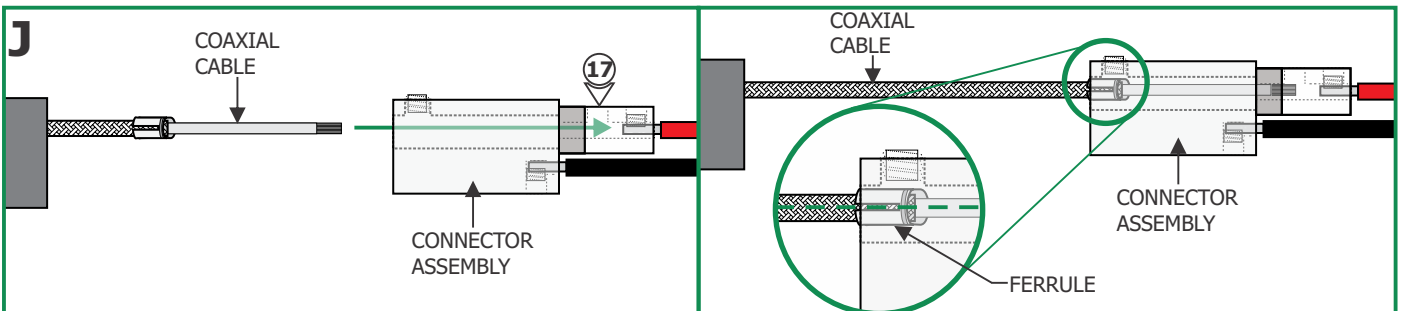
M4 SET SCREW

(14)
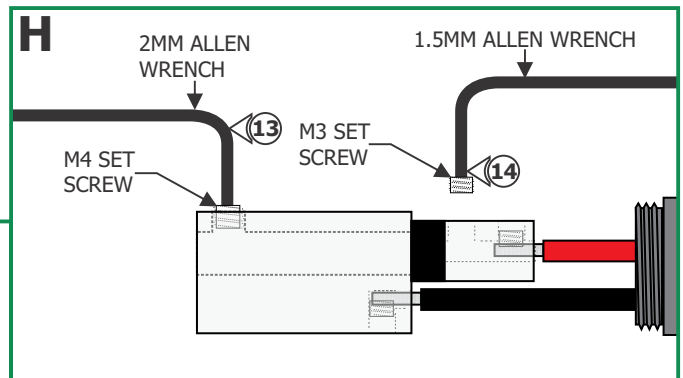
13: Using the provided 1.5mm Allen Wrench, remove the M3 set screw from the coaxial connector assembly.

14: Using the provided 2mm Allen wrench to loosen (do not remove) the M4 set screw.

I

COAXIAL CONNECTOR COVER

BRAIDED WIRE

(16)

FERRULE

(15)
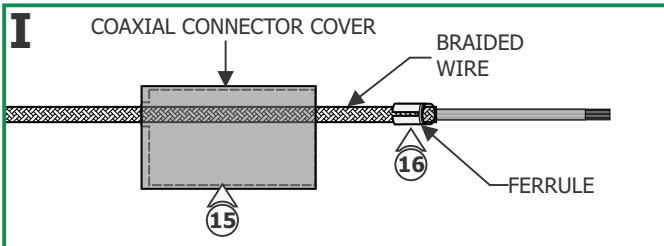
15: Slide the connector cover over the coaxial cable.

16: Place the ferrule over the braided wire of the coaxial cable.

J

COAXIAL CABLE

(17)

CONNECTOR ASSEMBLY

COAXIAL CABLE

CONNECTOR ASSEMBLY

FERRULE

17: Insert the coaxial cable into the coaxial connector until the wires of the center conductor are visible through the M3 set screw hole.

NOTE: Ensure that the split in the ferrule is aligned 90° from the M4 set screw (see inset).

K

1.5MM ALLEN WRENCH

M3 SET SCREW

COAXIAL CABLE

CONNECTOR ASSEMBLY
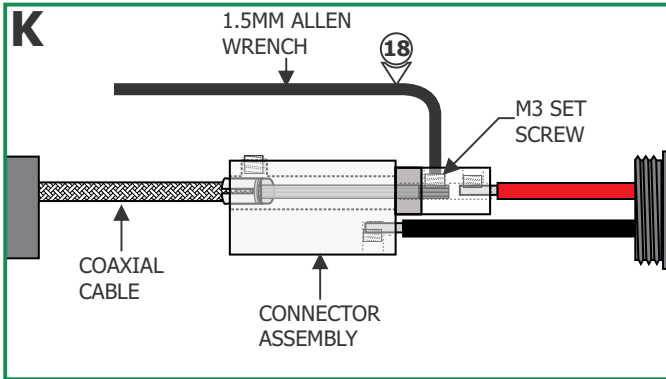
18: Use the provided 1.5mm Allen wrench to replace and securely tighten the M3 set screw.

L

2MM ALLEN WRENCH

M4 SET SCREW

COAXIAL CABLE

CONNECTOR ASSEMBLY
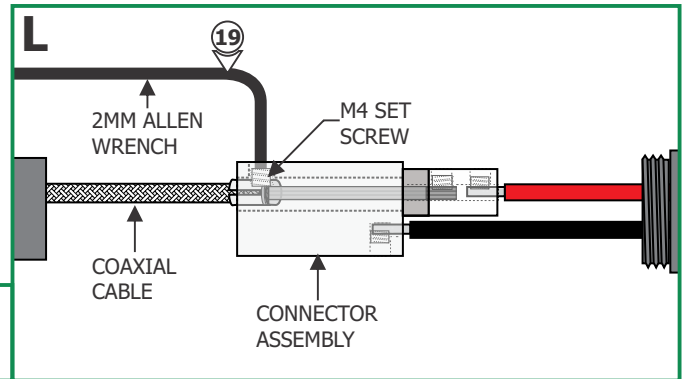
19: Use the provided 2mm Allen wrench to securely tighten the M4 set screw until it squeezes the wire ferrule tightly to the coaxial cable.

M

COAXIAL CONNECTOR COVER

COAXIAL CABLE
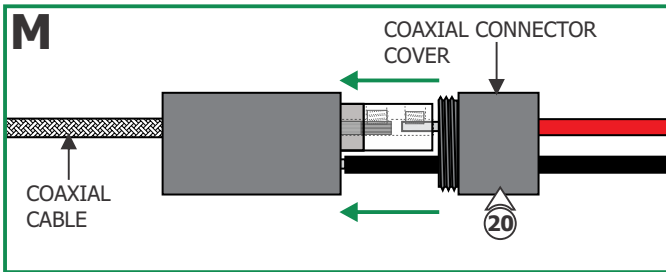
20: Replace the coaxial connector cover and tighten into place.

N

NOTE: Ensure that power to the junction box is **OFF** before beginning any electrical work.

21: Connect the white transformer wire to the neutral power wire with a wire nut.

22: Connect the black transformer wire to the hot power wire with a wire nut.

23: Place the transformer and transformer wires inside the junction box.

O
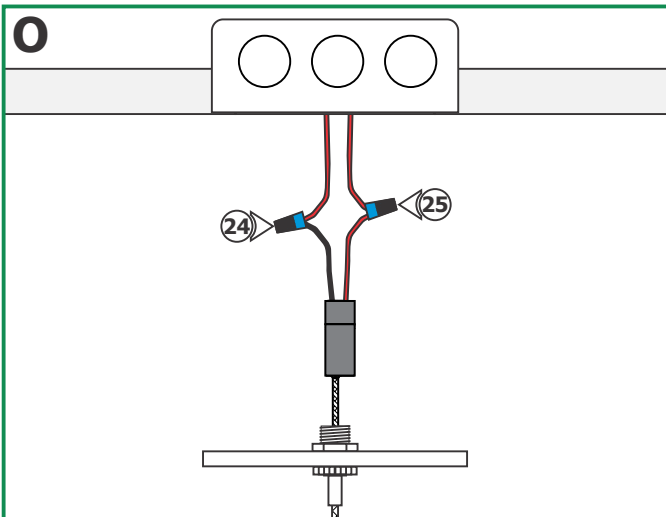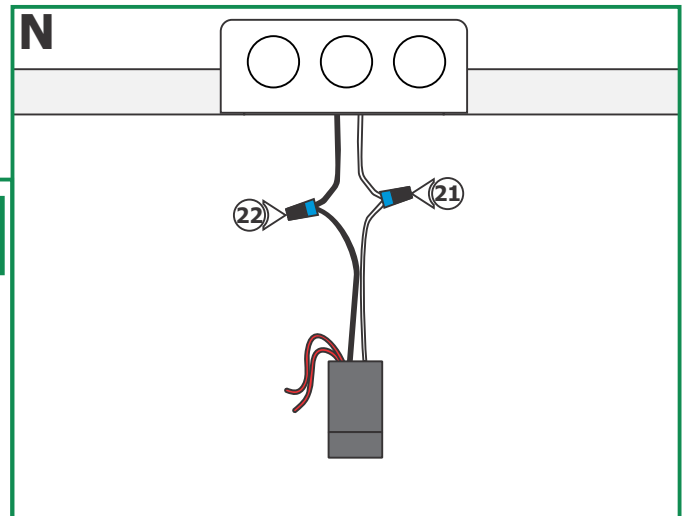
24: Connect one red transformer wire (either one) to the black coaxial connector wire using a wire nut

25: Connect the other red transformer wire to the red coaxial connector wire using a wire nut.

P

POWER CANOPY

CANOPY POST

#8-32 SCREWS

26: Place all connections into the junction box.

27: Secure the power canopy to the junction box using two #8-32 screws.

3

Height Adjustments

Q

CANOPY 1

CANOPY POST TAB

COAXIAL CABLE
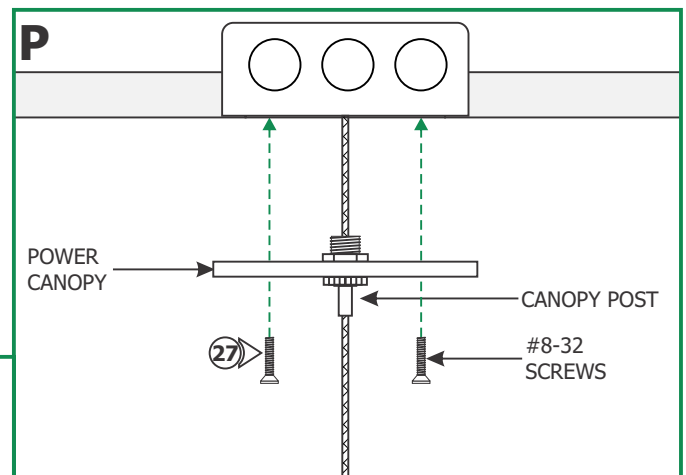
STANDOFF POST TAB
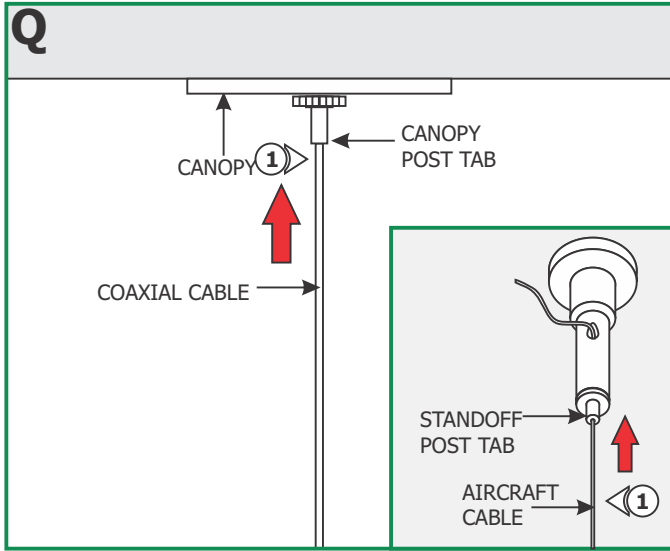
AIRCRAFT CABLE 1

1: Adjust the fixture height by pushing the aircraft cable & coaxial cable in to the standoff posts & canopy post.

2: If necessary push the tab on the standoffs & canopy post to release the wire.

GENERAL WIRING DIAGRAM

INPUT 120VAC

WHITE (NEUTRAL)

BLACK (HOT)

WHITE (NEUTRAL)

BLACK (HOT)

YELLOW

ELECTRONIC LOW VOLTAGE DIMMER

LED TRANSFORMER

RED (24VAC)

RED (24VAC)

COAXIAL CONNECTOR

CHANNEL

COAXIAL CABLE