3307844.005 Automatic Control Box Kit Wiring Using AMP UNIVERSAL MATE-N-LOK ® SOFT SHELL CONNECTOR

AMP 15 Pin MATE-N-LOK parts required by Installer:
(1) 770023-1 Housing
(1) 794281-1 Interface Seal
(1) 794282-1 Wire Seal
(2) 770246-3 Pin (12-10 gauge)
(11) 770248-1 Pin (20-14 gauge)

AMP 2 PIn MATE-N-LOK parts required by Installer:
(1) 1-480698-0 Housing
(2) 350547-1 Pin (20-14 gauge)
(1) 794270-1 Wire Seal
(1) 794269-1 Interface Seal

AMP 4 Pin MATE-N-LOK parts required by Installer:
(1) 1-480702-0 Housing
(4) 350561-1 Pin (18-24 gauge)

AMP 4 Pin MATE-N-LOK parts required by Installer:
(1) 1-480703-1 Housing
(4) 350851-1 Socket (18-24 gauge)

Location	Pin Functions	Wire Color	Wire Size
Pin 1	12+VDC	Red	12 Gauge
Pin 2	12- VDC	Black	12 Gauge
Pin 3	Ignition Isolator	Pink	16-18 Gauge
Pin 4	Oasis Elite Remote Switch	Green/White	16 Gauge
Pin 5	WeatherPro Remote Switch	Green	16 Gauge
Pin 6	Blank		
Pin 7	Oasis Elite Motor (-12VDC)	Blue	16-18 Gauge
Pin 8	WeatherPro Motor (-12VDC)	Black	16-18 Gauge
Pin 9	Oasis Elite Remote Switch	Yellow/White	16 Gauge
Pin 10	WeatherPro Remote Switch	Yellow	16 Gauge
Pin 11	Blank		
Pin 12	Oasis Elite Motor (+12VDC)	Red	16-18 Gauge
Pin 13	WeatherPro Motor (+12VDC)	Red	16-18 Gauge
Pin 14	Oasis Elite Remote Switch	Brown/White	16 Gauge
Pin 15	WeatherPro Remote Switch	Brown	16 Gauge

FIG. 2

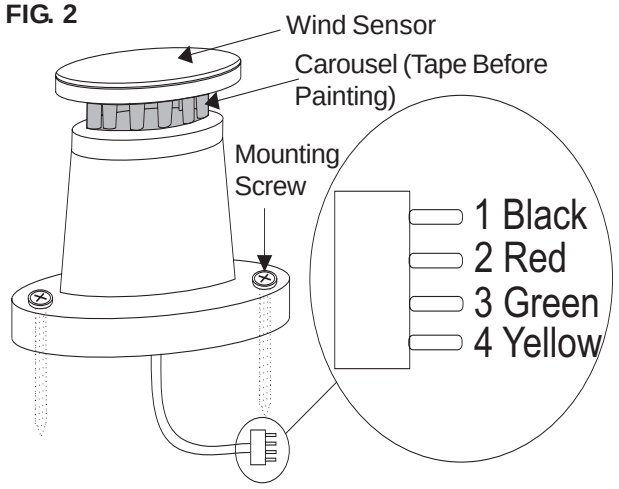
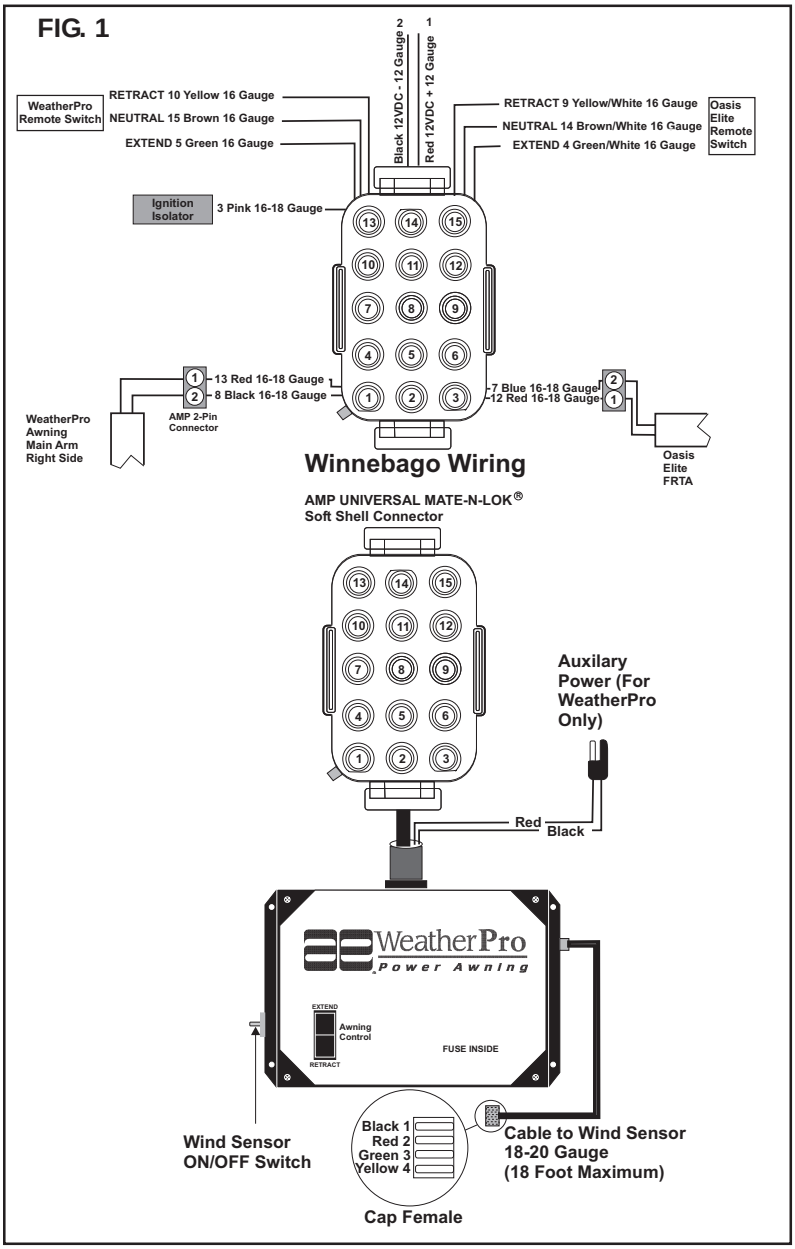


FIG. 1



1. Control Box Kit (3307844.005) and Remote Switch Installation

A. Control Box

1. First, decide on a location for the control box. Recommended locations for the control box are compartments outside the living quarters such as one of the basement storage compartments. The control box must be installed at a location where it will not be directly exposed to weather or extreme temperatures.
2. Mount the control box using four (4) #6 x 1/2" screws.

Important: Each control box kit contains one (1) Key Fob (Remote Control) and it must stay with awning for end user.

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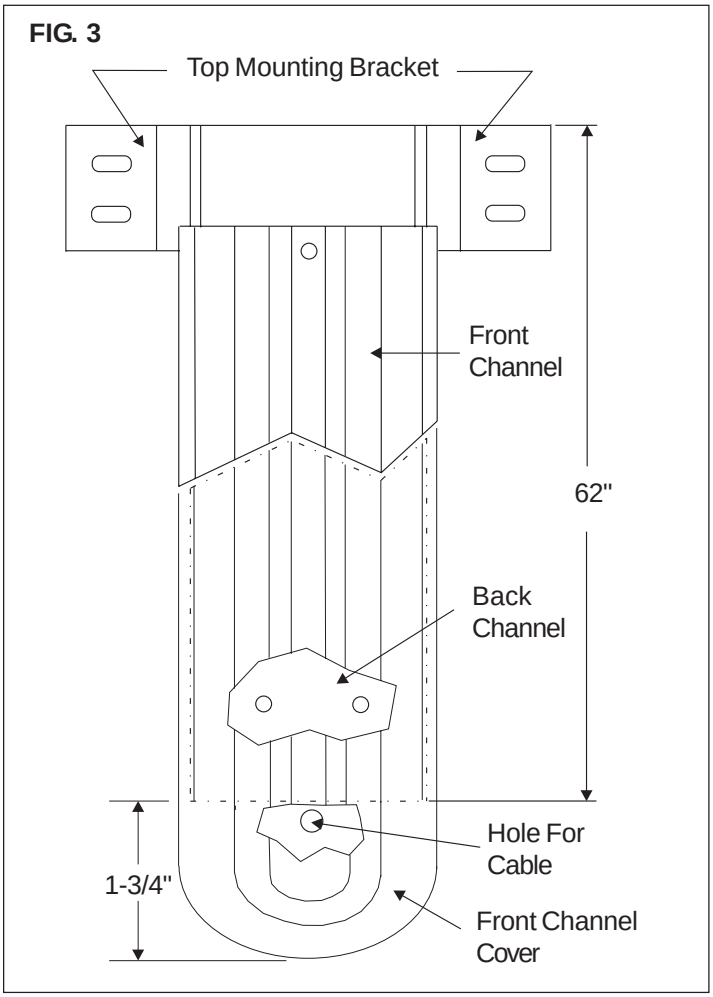
LaGrange, IN 46761

B. Connect Control Box to Awning

1. Route two (2) wires (installer supplied) from the bottom of right side (motorized) arm assembly (WeatherPro) or FRTA assembly (Oasis Elite) to the 15 pin MATE-N-LOK connector. (For distances 15' and under use 18 gauge, over 15' use 16 gauge) Use the following 2 Pin AMP MATE-N-LOK parts to connect awning connector to wires. See FIG. 1 for pin locations.
   (1) 1-480698-0 Housing
   (2) 350547-1 Pin (20-14) gauge)
   (1) 794270-1 Wire Seal
   (1) 794269-1 Interface Seal

Important: When installing 8553003 hardware make sure channel is in proper position before drilling the hole in side wall for wires. See FIG. 3.

FIG. 3



When routing harness, take pre-caution against wires rubbing on sharp edges and use a grommet when going through walls. Harness should be routed so that when the bottom bracket is installed (WeatherPro) it will cover hole where wire goes through wall. Seal any holes with clear silicon sealant. See FIG.3.

C. Remote Switch (Installer Supplied)

1. Install the remote switch(s) at a convenient location such as the door area.
2. The remote switch(s) should not be in direct exposure to weather or extreme temperatures.
3. Mount switch per manufacturers instructions.
4. Connect the remote switch to the control box by routing three (3) 16 gauge wires (installer supplied) from the remote switch(s) to the 15 pin MATE-N-LOK connector. See FIG. 1 for pin locations. These wires should be brown, yellow and green for WeatherPro and brown/white, yellow/white and green/white for Oasis Elite. Install appropiate size insulated terminals on the remote switch (Installer Supplied) end of wires. Connect the wires to the remote switch as shown in FIG. 1.

2. Wind Sensor Installation (WeatherPro Only)

Note: Wind sensor is to be installed on the RV roof in a verticle position (within 3 degrees) away from other objects. It should be located within three (3) feet of the right side top mounting bracket.

A. Find wind sensor location and drill an appropriate size hole through roof. See FIG. 2.
B. Route a four (4) conductor 18-20 gauge cable (maximum length 18', installer supplied from the Wind Sensor to Control Box. Use the following 4 pin MATE-N-LOK parts to connect the cable to the control box and wind sensor. See FIG. 1 & 2 for pin locations.
   (1) 1-480702-0 Housing
   (4) 350561-1 Pin (18-24 gauge)
   (1) 1-480703-1 Housing
   (4) 350851- 1Socket (18-24 gauge)
C. Connect cable to wind sensor. See FIG. 2.
D. Mount wind sensor to roof with #10 stainless steel screws (installer supplied). Seal under screw heads and wind sensor base with suitable sealant to prevent water leaks.
E. Connect opposite end of cable to control box. See FIG. 1.

Important: If vehicle is to be painted after wind sensor is installed, the carousel must be taped off. Wind sensor will with stand paint booth temperatures up to 185 degree F. The sensor material is Polycarbonate. Remove tape after painting. See Fig. 2.

3. Low Voltage Connection

A. Run two (2) wires from the 12VDC power supply source to the 15 pin MATE-N-LOK connector. See FIG. 1 for pin locations. It is recommended that these wires be (Red+ and Black -) 12 gauge wires. This should be on a separate 15 amp circuit.
B. The additional 2 wire pigtail w/protective cap is for WeatherPro auxiliary power use only . No connection is necessary for regular use.

4. Ignition Interlock Connection

A. Run a wire (installer supplied) from the Ignition Isolator (+12 VDC) of vehicle to the 15 pin MATE-N-LOK connector. (For distances 15' and under use 18 gauge, over 15' use 16 gauge.) See FIG. 1 for pin location.