

## ASTRO™ STROBE POWER SUPPLY (ETA340-P & ETA340WP)

### WARNING

**High Voltage! Please wait 5 minutes after shutting this unit OFF before attempting service. Warranty void if seal is broken.**

### WARNING

**This power supply is NOT waterproof.**

This Strobe Power Supply must be mounted in an area protected from the weather and water.

### STROBE POWER SUPPLY SPECIFICATIONS

Voltage	10-30 Vdc
Current	4.0 Amps @ 12.8 Vdc
Power	40 Watts
Fuse	User Supplied 10 Amp
Number of Heads	3

### INSTALLATION

1. First, install the Strobe Power Supply in a protected location using the power supply itself as a template. **THE POWER SUPPLY SHOULD BE MOUNTED TO A METAL SURFACE.**
2. Install the strobe light heads in the preferred locations.
3. String the 3 conductor cables between the lights and the Power Supply. Make sure the cable is secure along the chosen routing inside the vehicle to prevent it from damage by chafing or binding. Be sure to keep the cable away from engine hot spots.

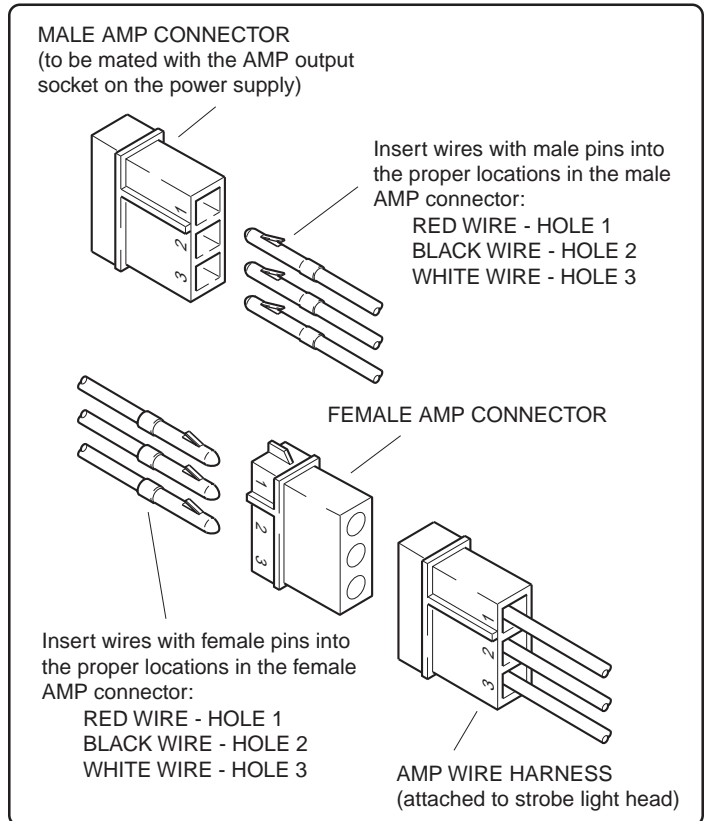
### NOTE

When routing the cable, make sure the end with the closed tip terminals (male pins) is toward the Power Supply and the end with the open tip terminals (female pins) is toward the light head.

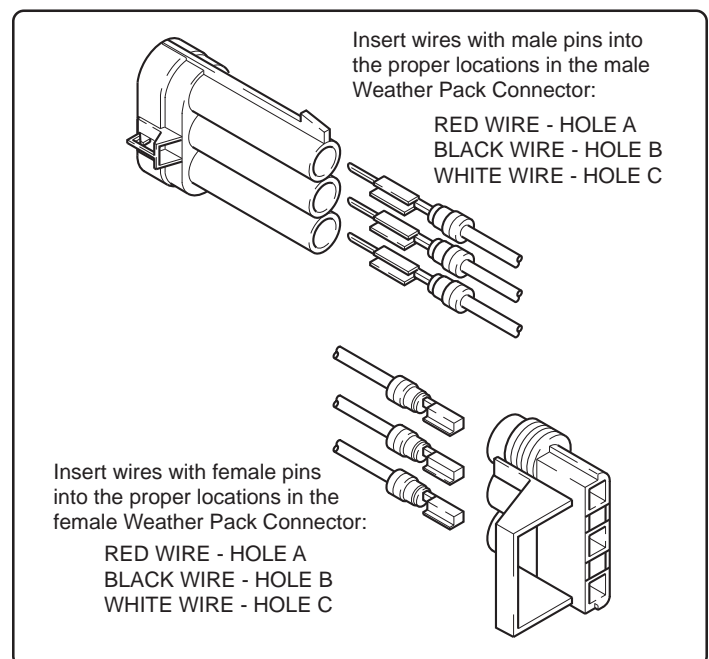
4. Insert the pins on each end of the conductor cables into the connectors. Each end of these cables has a factory crimped pin on each of the three wires.

### NOTE

It is important to follow the correct color code when inserting the pins into the connectors.



**Figure 1. ETA340-P - AMP Connectors**



**Figure 2. ETA340WP - WP Connectors**

5. Connect the cables to the strobe light heads.
6. Plug the other end of the cable into the Light Head Output Socket on the Strobe Power Supply.
7. Connect the wires from Flash Control Wire Harness Assembly to the switch control panel.
8. Connect the Strobe Power Supply to the power source to complete the installation.

### FLASH CONTROL WIRE HARNESS ASSEMBLY

The Flash Control Wire Harness Assembly consists of 4 wires: yellow, green, blue and gray to control the power supply.

Connect the red wire to the positive (+) side of the battery making sure to place a customer supplied 15 Amp fuse at the battery. Connect the black wire to the negative (-) side of the battery or to the vehicle chassis.

### NOTE

To extend the power (+) and ground (-) wires, use the following as a guide:

- 1 to 10 ft. use 18 AWG wire
- 10 to 20 ft. use 16 AWG wire
- 20 to 30 ft. use 14 AWG wire
- 30 to 50 ft. use 12 AWG wire

To Reduce EMI emissions, ONE end of the shield (drain wire) of the extension cable connecting the output of the power supply to the Lighthouse should be connected to ground. Make sure ONLY ONE END of the shield is tied to ground. The other end needs to be taped or cut.

**⚠ WARNING**

**PERSONAL INJURY HAZARD**

Mounting this device in an improper location may impair the designed safety characteristics of the vehicle in the event of a collision.

Consult the vehicle manufacturer before installing this or any other aftermarket device to determine its proper mounting location.

Failure to consult and follow the vehicle manufacturer's mounting recommendations may result in serious personal injury or death.

### WARRANTY

SoundOff Signal warranties the ETA340-P/ETA340-WP Astro™ Strobe Power Supply for 1 (one) full year from date of purchase, to the original purchaser, against any manufactured defects or workmanship. This warranty applies only to units installed according to manufacturer's installation instructions and operated within the units specifications.

Warranty is void if the unit was installed incorrectly or maliciously damaged.

All warranty claims must be accompanied by a dated proof of purchase.

SoundOff Signal retains the right to be the sole mediator of what constitutes defects in performance or manufacturing.

### SPECIAL MODE

To select any one of the different flash modes, simply connect the Yellow, Gray, Blue and Green wires to a switch in the following combinations. Connect the wires marked POWER to (+) 10-30 VDC and remove the unused wires or connect them to (-) ground.

PATTERN	YELLOW	GREEN	BLUE	GRAY	FUNCTION	FLASH RATE
1					All Heads OFF	
2			POWER		Quad Flash Heads 2 Alt. 3 High Power	140 FPM
3		POWER			Quad Flash Head 1 High Power	140 FPM
4		POWER	POWER		Quad Flash Heads 1 Alt. 2, 3 High Power	140 FPM
5	POWER				WarpFlash™ Heads 2 Alt. 3 High Power	700 FPM
6	POWER	POWER			WarpFlash™ Head 1 High Power	350 FPM
7	POWER		POWER		WarpFlash™ Heads 1 Alt. 2, 3 High Power	700 FPM
8	POWER	POWER	POWER		Quint Flash Heads 1 Alt. 2, 3 High Power	140 FPM
9				POWER	All Heads OFF	
10			POWER	POWER	Quad Flash Heads 2 Alt. 3 Low Power	140 FPM
11		POWER		POWER	Quad Flash Head 1 Low Power	140 FPM
12		POWER	POWER	POWER	Quad Flash Heads 1 Alt. 2, 3 High Power	140 FPM
13	POWER			POWER	WarpFlash™ Heads 2 Alt. 3 Low Power	700 FPM
14	POWER	POWER		POWER	WarpFlash™ Head 1 Low Power	350 FPM
15	POWER		POWER	POWER	WarpFlash™ Heads 1 Alt. 2, 3 Low Power	700 FPM
16	POWER	POWER	POWER	POWER	Double Flash Heads 1 Alt. 2, 4 High Power	235 FPM