Alpha Light
Installation Instructions

WARNING: PLEASE READ INSTRUCTIONS BEFORE BEGINNING INSTALLATION, AND CAREFULLY FOLLOW ALL INSTRUCTIONS. IMPROPER INSTALLATION MAY RESULT IN INJURY AND/OR VOID THE WARRANTY.

CALL CUSTOMER SERVICE AT (209) 383-7469 WITH ANY QUESTIONS REGARDING INSTALLATION.

PACKAGE CONTENTS CHECKLIST

✓	#	DESCRIPTION	QTY
	1	LIGHT HOUSING SUB-ASSEMBLY WITH SHORT LEADS	2
	2	LIGHT HOUSING SUB-ASSEMBLY WITH LONG LEADS	2
	3	LIGHT BASE SUB-ASSEMBLIES	4
	4	½”-13 HOLLOW ALUMINUM BASE BOLT	4
	5	NYLON BUTT CONNECTOR	8
	6	HEAT SHRINK TUBING	2
	7	16-14 GA 5/16” RING TERMINALS	3
	8	16-14 GA FEMALE SPADE TERMINALS	2
	9	WIRING HARNESS	1

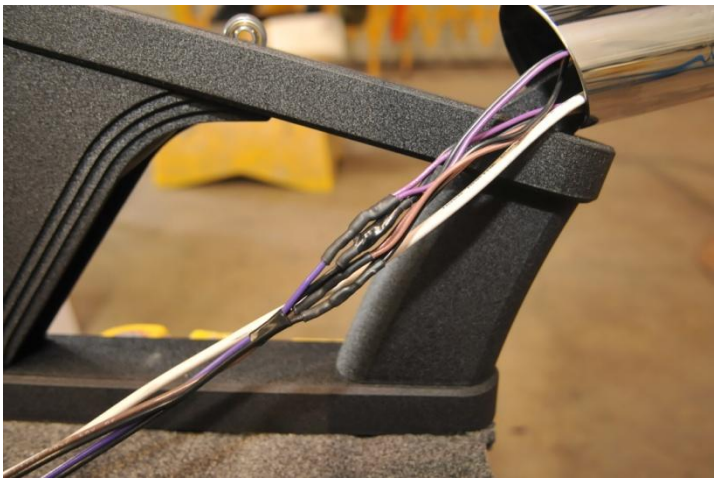
NOTE: Alpha II tower speakers are a required option to install Alpha tower lights, as Alpha lights mount to Alpha II speaker brackets. These instructions assume that Alpha II speaker brackets have already been installed.

1

Pull wires through the tower -

With the tower in the lowered position, run a fish tape in through the starboard side speaker wire hole in the tower tube (adjacent to the speaker bracket) down the tube and out the bottom of the tube on the starboard side. (Remove the Grommet from the speaker wire hole before running the fish tape.) Attach the starboard side light wires marked "RIGHT FRONT" and RIGHT REAR" to the end of the fish tape at the bottom of the tube on the starboard side and pull them up the tower tube and out the starboard side speaker wire hole leaving approx 18" protruding from the tower. Repeat for the port side, pulling the wires marked "LEFT FRONT" and LEFT REAR" up the starboard tower leg and around to the port side speaker wire hole.

2a

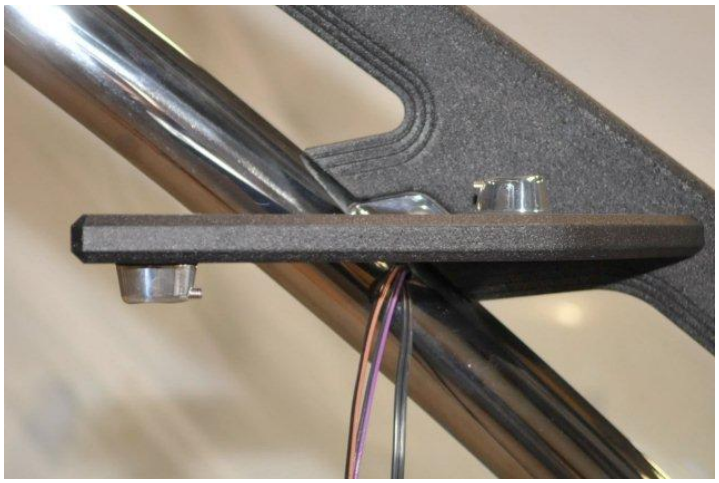


Pull the wires until the port/starboard splice is inside the tower and above the heim joint, as the splice is too large to pass through the Tower Base.

2b

Run wires through Tower Base -Run the remaining two light wire leads down through the Tower Base alongside the all-around light wire. Once the wires have been run through the base, raise the tower.

3

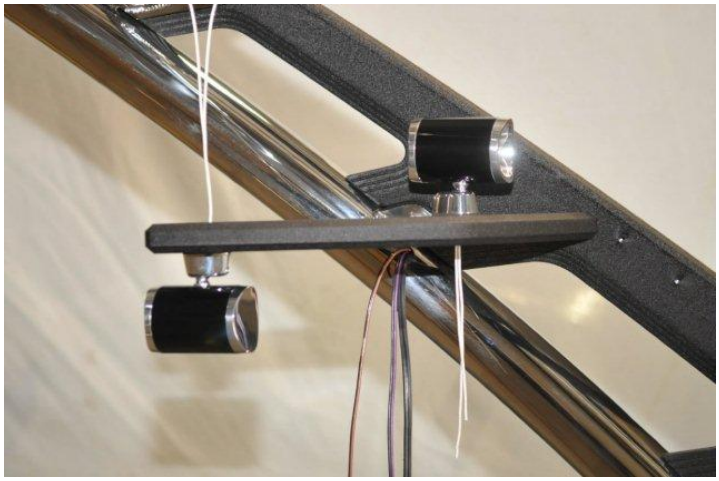


Install Light Bases –
(If speakers have already been installed on the brackets, they will need to be removed to complete the light installation.)
Install Light Bases as shown, using the ½”-13 Hollow Aluminum Base Bolts to secure them.

4

Assemble Light Housings -
Screw the Pivots into the Housings. Remove the Rear Bezels from the Light Housings, install the Light Sockets onto the Lamps, and run the leads up through the Pivots, taking care to avoid having the leads touch the Lamps. The light sockets with the longer leads are for the rear positions. Reinstall the Rear Bezels.

5

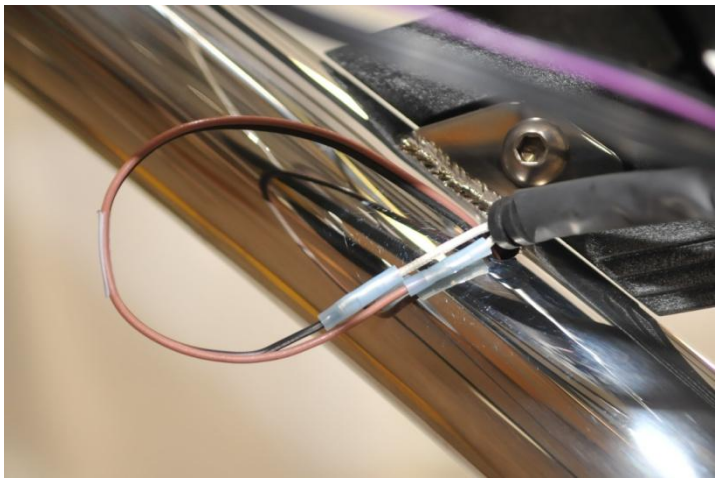


Install Lights -
Install the Lights onto the tower, inserting the Pivots into the Bases and gently tightening the Set Screws in the Bases to secure the Pivots in the Bases. (The set screws will be tightened later when the lamps are aimed.) Install the Lights with the longer leads in the rear positions.

6

Install Heat Shrink Tubing -
Slide the Grommet up the speaker and front light wires, then slide the Heat Shrink Tubing up the same two wires. Insert the white heat resistant rear light leads back through the Heat Shrink Tubing as shown.

7



Connect Rear Light Wires -
Cut one of the two leads on the heat resistant rear light socket wires 1 ¼" shorter than the other. Do the same with the rear leads in the wiring harness, cutting them so that they only protrude approx 3". This is to stagger the butt connectors so that they pass through the speaker wire hole one at a time. Crimp the rear light socket wires and rear leads in the wiring harness together as shown.

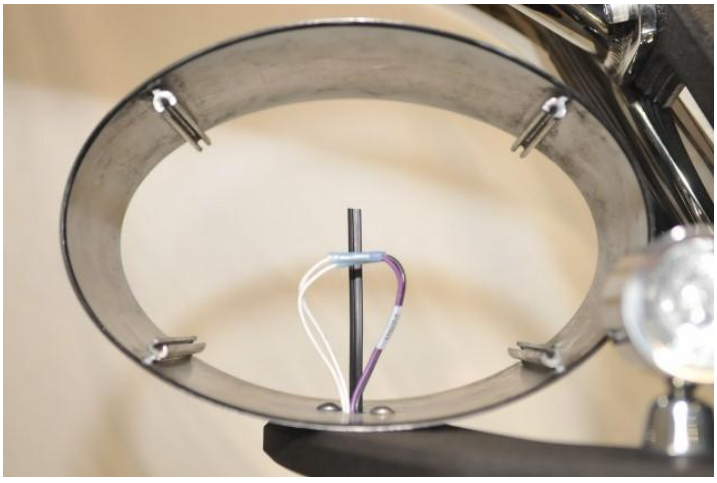
8

Detail Wiring -
Feed the rear light wires and Butt Connectors into the speaker wire hole, reinsert the Grommet, then insert approx one inch of Heat Shrink Tubing into the Grommet and position the wires as shown, taking care to not strain the rear light socket leads. Remove the Rear Bezels of the rear lights to ensure that the Light Socket leads are not strained.

9

Install Heat Shrink Tubing -
Once the wires are properly positioned, heat the heat shrink tubing then install the Speaker Bracket Cover Plate. (Also install lower Alphas at this time if a two pair installation.)

10



Connect Front Light Wires -
Install the empty upper speaker housings as shown. The hole pattern in the speaker housings is not centered - install the speaker housings so that they're shifted forward. Connect the front light wires as shown using the supplied Butt Connectors. Assemble the speakers and connect the speaker wires.

11

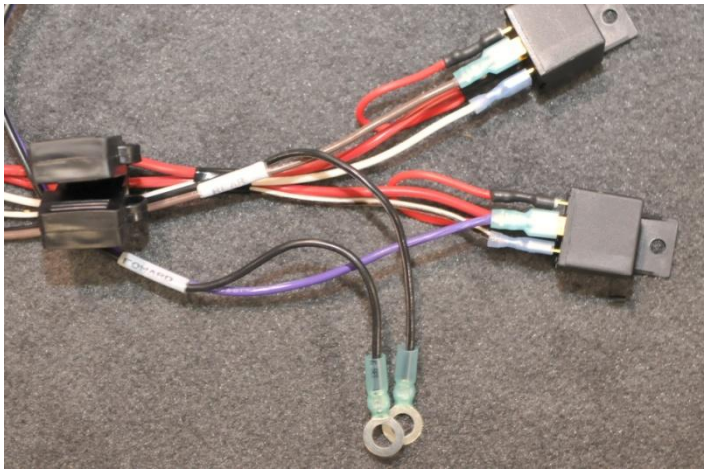
Aim Light Assembly –
Loosen the Set Screw in the Base, point the Light in the desired direction, and then re-tighten the Set Screw.

WARNING: IGNITE LIGHTS ARE INTENDED FOR DOCKING ONLY, NOT NAVIGATION, AND ESPECIALLY NOT NIGHT RIDING OR SURFING. USING TOWER LIGHTS AS DRIVING LIGHTS IS ILLEGAL ON MOST WATERWAYS, IS VERY DANGEROUS AND POTENTIALLY FATAL.

WARNING: THE LAMPS ARE DESIGNED TO RADIATE HEAT OUT OF THE HOUSINGS, SO THEY MAY GET HOT TO THE TOUCH AND CAN POTENTIALLY CAUSE BURNS. DO NOT TOUCH THE HOUSINGS AFTER EXTENDED PERIODS OF USE AND ALWAYS USE PROTECTIVE GLOVES TO ADJUST THE LIGHTS WHILE THE LAMPS ARE LIT.

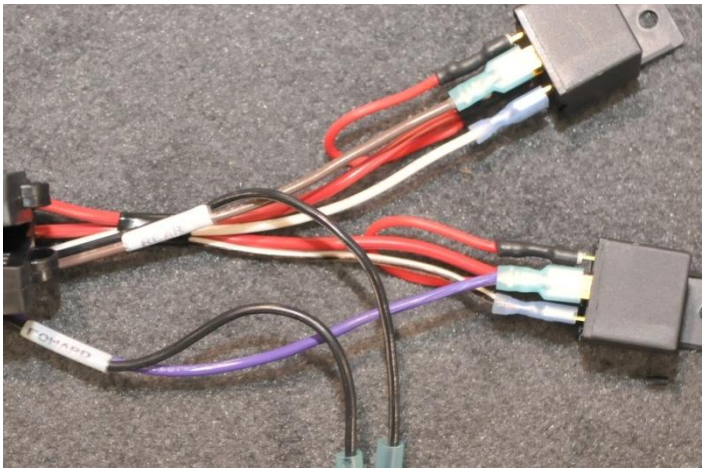
IN-BOAT WIRING – MUX SYSTEMS

1



Crimp Negative Leads –
Crimp the two negative leads (black) coming forward from the tower together into 5/16” ring terminals as shown. Attach the ring terminal to the ground stud under the dash.

2



Crimp Positive Leads –
Crimp female spade terminals to the positive leads (brown and purple) coming forward from the tower. Connect the purple lead (forward tower circuit) to the relay that has the white lead with black stripe (forward dash circuit) as shown. Connect the brown lead (rear tower circuit) to the relay that has the solid white lead (rear dash circuit) as shown.

3

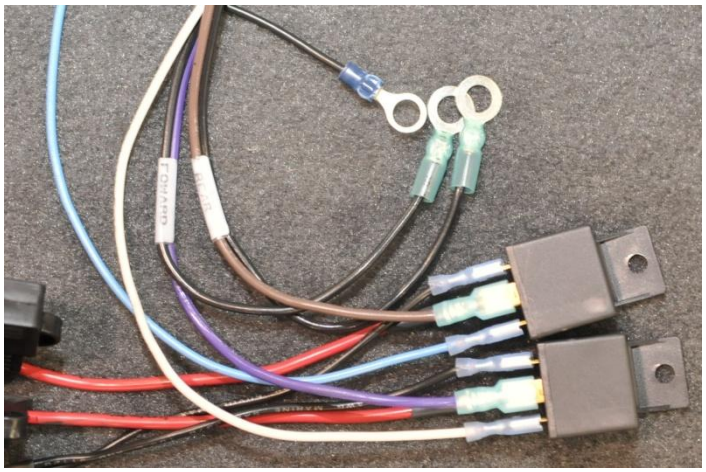
Connect Leads to Computer –
Locate the instrumentation computer, then locate the two leads – one solid white and one white with black stripe – that exit the harness about 6” from the computer. Connect the solid white lead and the white lead with the black stripe at the computer to the solid white lead and the white lead with the black stripe coming from the relays.

4

Connect Positive Lead –
Connect the 10 gauge positive (red) lead to the positive post on the power module as shown.

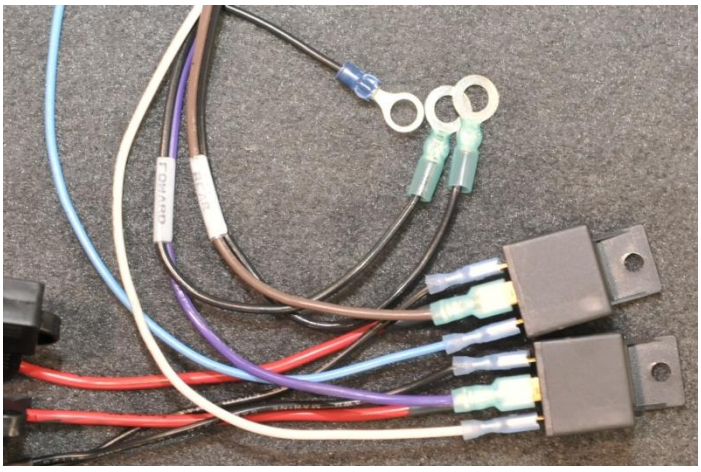
IN-BOAT WIRING – NON-MUX SYSTEMS

1



Crimp Negative Leads –
Crimp the two negative leads (black) coming forward from the tower together into 5/16” ring terminals as shown. Attach the ring terminal to the ground bus bar along with the ring terminal from the black lead coming from the relays.

2

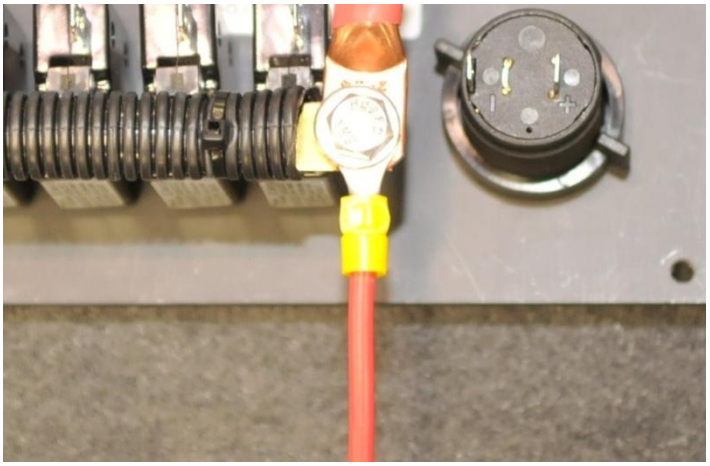


Crimp Positive Leads –
Crimp female spade terminals onto the positive leads (brown and purple) coming forward from the tower. Connect the purple lead (forward tower circuit) to the relay that has the white lead (forward switch circuit) as shown. Connect the brown lead (rear tower circuit) to the relay that has the light blue lead (rear switch circuit) as shown.

3

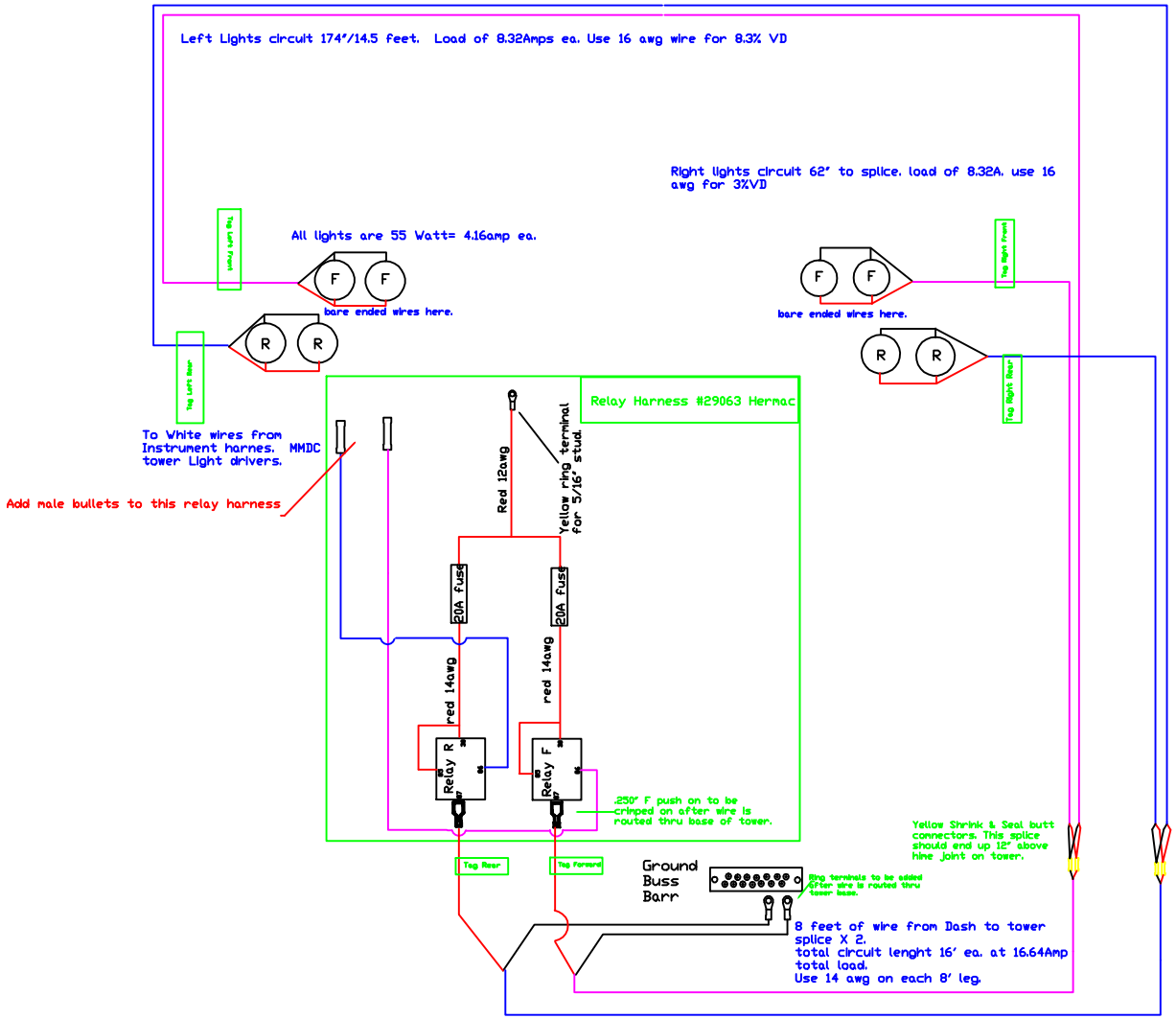
Install Switch –
Replace the unused accessory switch in the dash with the supplied Switch. Transfer the 12V+ orange lead and the black 12V- leads from the old switch to the new switch (the orange lead goes to either of the center posts and the black lead goes on the top post of the new switch). Press the light blue lead coming from the relays onto the lower left post as shown and the white lead coming from the relays to the piggyback male spade on the yellow jumper wire as shown. This wiring configuration will provide two switching positions, all lights on and rear lights only.

4



Connect Positive Lead –
Connect the 10 gauge positive (red) lead to the positive post on the circuit breaker panel as shown.

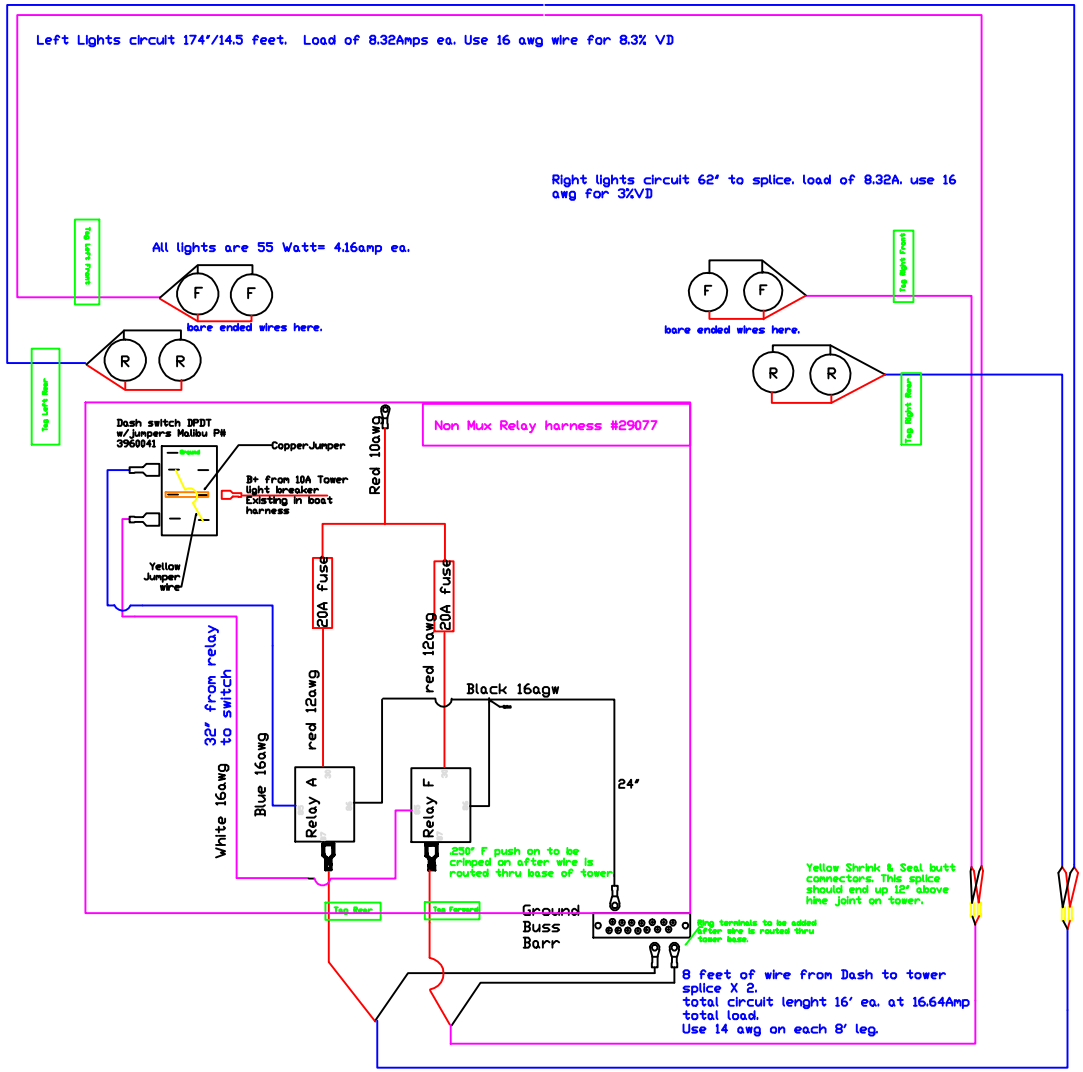
MUX kit #3910526
G3 Tower Light Wiring
For MUX switching.



G 3 Tower Light harness
29067-A

Ride Kit #3910525

G3 Tower light wiring for Ride boats.



G 3 Tower Light harness
29067-A