

Revised December 2014



02-017

LIGHT KIT

WILL FIT YAMAHA® G-SERIES*

INSTALLATION INSTRUCTIONS



INCLUDED:

2 Headlights
2 Tail Lights
Wiring Harness
Screws
Straps
Hazard Switch

TOOLS NEEDED:

Phillips Head Screw Driver
Cutting Tool
Sandpaper
Power Drill
15/32 Drill Bit



Madjax recommends professional installation. If you choose to not have this product installed by a professional, we highly recommend that you exercise caution, care, and patience when installing this product as it involves drilling holes into your cart's body.

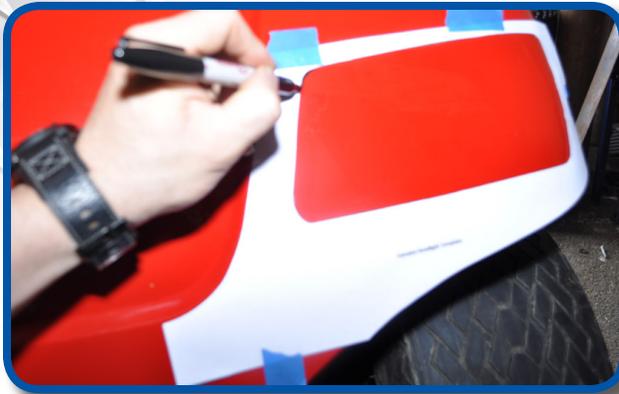
1

Remove the front seat, and remove the cup holder.



2
Locate a place on the dashboard to mount the switch. We recommend using the location shown as it does not interfere with the cup holder when reinstalled and also allows you to easily route the wiring harness.

Use a 15/32" drill bit and drill at location marked in Step 2.



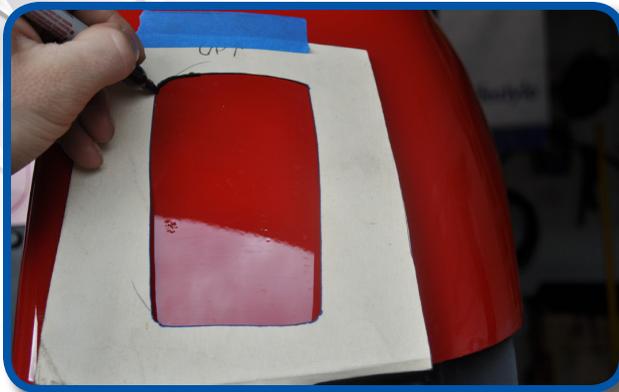
Cut out Headlight Template and tape to bodywork as shown. For best results, ensure the center most edge of the template is aligned with the bodywork's geometry. Mark cutout with a Sharpie or other permanent marker. Simply flip the template over to do the other side.

Drill pilot holes on the INSIDE of the marks as shown.



Cut out bodywork. **IMPORTANT:** As you approach the top of the cut, back out the cutting tool to prevent cutting into the fender well. Cut the cowling to the inside of the mark.

Place headlight assemblies into cutouts and attach to wiring harness. Fasten headlight assemblies to cowling using the supplied screws.
IMPORTANT: DO NOT OVERTIGHTEN SCREWS.



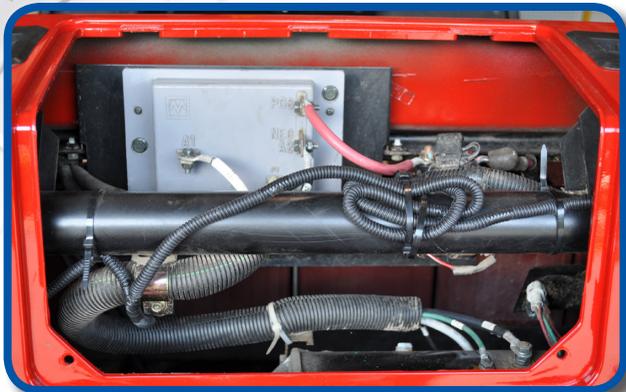
Align the Taillight Template to outermost of the bodywork's curvature (the point where the bodywork turns toward the cart's front) closest to the vehicle's center. Mark the cutout

Drill a pilot hole and cut, again staying to the INSIDE or on the mark.



Route wiring harness behind rear fender wells. Attach rear lights and mount to bodywork using supplied screws.

11
Attach tail light to harness, then insert tail light and attach tail light to cart using provided hardware.



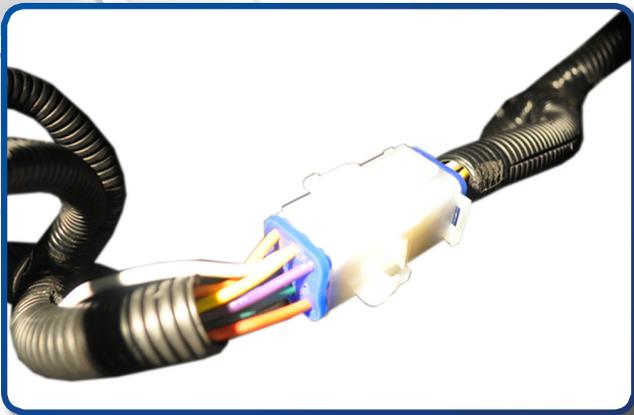
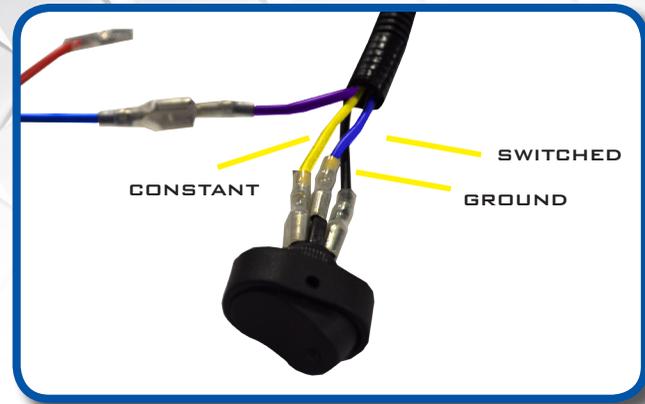
12
Use the supplied zip ties to fasten wiring harness to vehicle. MadJax recommends fastening the wiring harness to frame members in the front of the vehicle in order to prevent the harness from making contact, rubbing, or being pinched by moving parts, such as the suspension. Use two zip ties to tie the wiring harness to the frame at the back of the motor compartment as shown. Replace motor cover.

13
Mount indicator assembly using clamps provided and tighten. Run indicator harness along steering column and insert harness through dash.



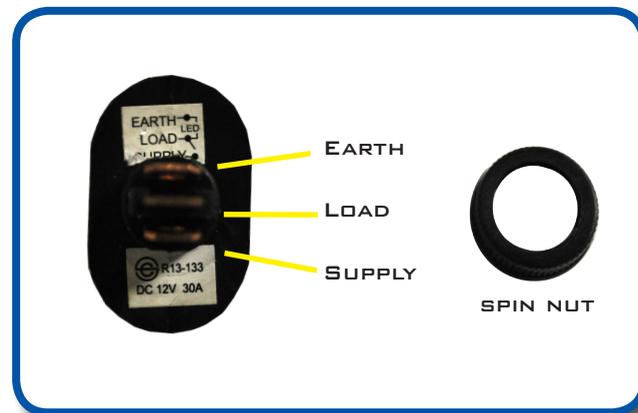
14
Attach column cover to steering column, secure harness in column cover void.

13
Attach brown & yellow wires from indicator harness into rocker switch which will operate the hazard lights only. The purple wire from the indicator harness connects to the blue wire on main harness. (red is not used)



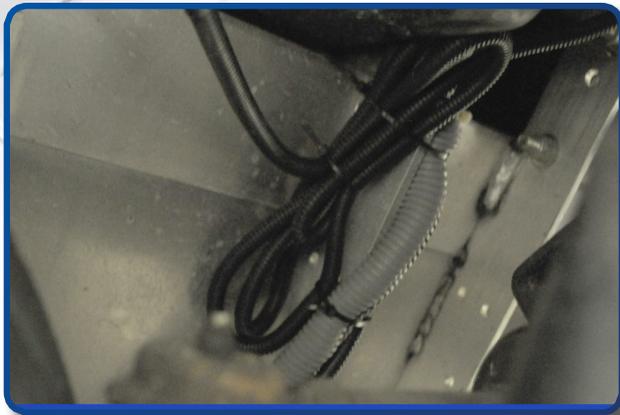
14
Connect 9 pin connector from signal indicator to 9 pin connector on harness from light kit.

15
Earth - Ground (black)
Load - 12v(+) switched (blue)
Supply - 12v(+) constant (yellow)



16
Feed threaded end of switch through the dash where the hole was drilled. Attach the nut to secure the harness.

17
Attach harness to rocker switch as shown.
And then re-attach dashboard using hardware
retained from Step 1.



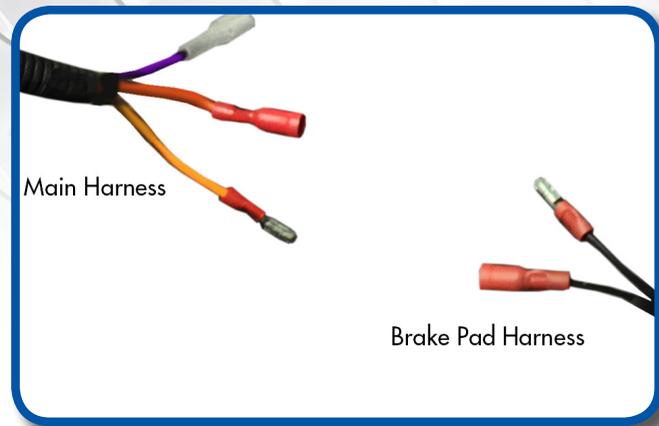
18
Secure remaining harness under cowl using
provided ties.

19
Attach brake pad using hardware provided as
shown. Secure brake pad wires to pedal using
zip ties provided.



20
Attach horn to purple and black female spade
connectors and secure horn under front cowl.

1
Plug male and female bullet connectors together from main harness and brake pad harness as shown. Some models attach in brake access panel, others attach under cart.

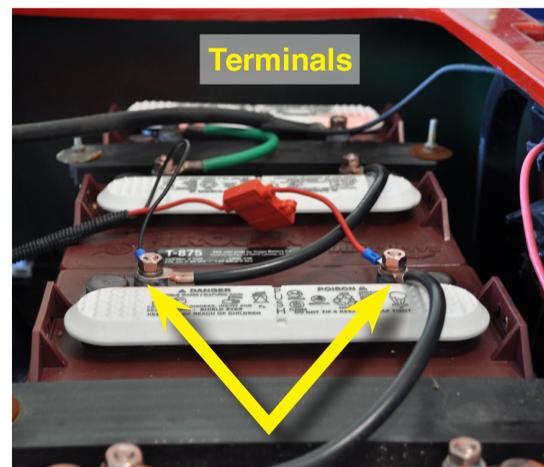


22

IMPORTANT: How you connect the wiring harness to your cart's battery pack will depend entirely on your cart's battery pack configuration. This light kit is intended for 12 Volt applications. Take care not to supply too much voltage to the unit as this will cause a failure that is not covered by manufacturer's warranty.

If your cart is equipped with **FOUR 12V** batteries, connect the wiring harness across one battery as shown.

If your cart is equipped with **SIX 8V** batteries, you will need a 16V to 12V voltage reducer, such as the MADJAX MJ1612VR. In this case, you will connect the voltage reducer across **TWO** of the 8V batteries, and then connect the wiring harness to the appropriate connections on the voltage reducer.



INSTALLATION COMPLETE

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Troubleshooting tips reflect common issues among all light kits. Some information stated below may regard to other Madjax Light kits. If you have more questions please contact customer service 866-410-5297.

QUICK TIPS & TROUBLESHOOTING

Everything on the light kit works except for the headlights and tail lights?

Make sure that the two yellow wires plug into the push pull switch and the purple wire is connected to the BLUE wire coming from the main light harness.

Everything works except the horn?

Look on the horn and locate the small hole filled with grey silicone. Dig out the silicone and use a small screw driver to loosen the tension on the horn diaphragm. Adjust as desired and re-seal with silicone.

The headlights won't stay adjusted?

Make sure the adjustment screw is tight and if it will not stay tight you can add a star washer to help hold it in place.

Everything is connected and nothing is working?

Make sure you are getting at least a full 12 volts at the light kit. Unplug each light to make sure it is not a short in one of the lights. Check the inline fuse connected to the positive battery post to make sure it is not blown.

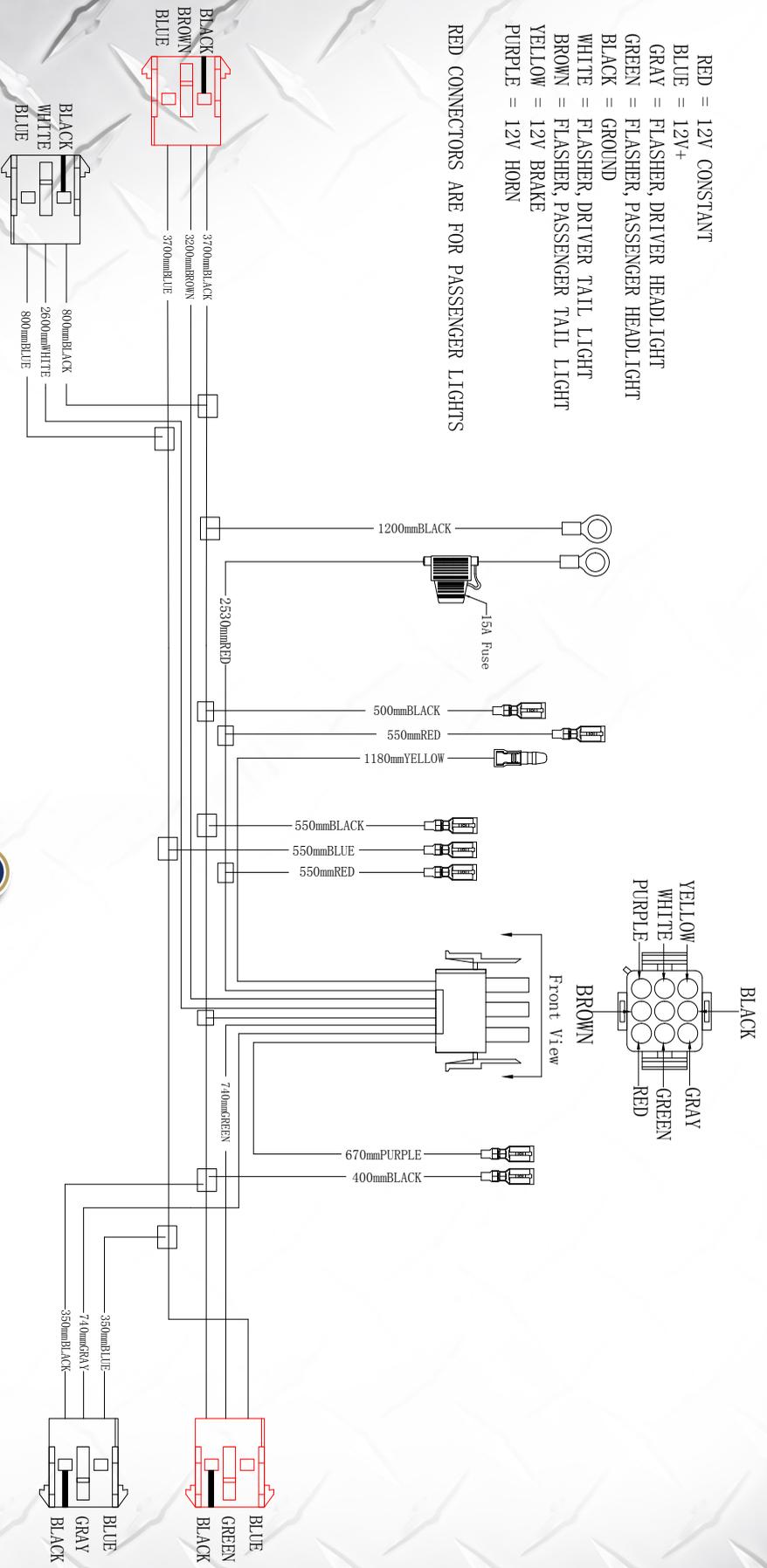
What to do with the black wire at the brake pad connection?

The black wire is not used.

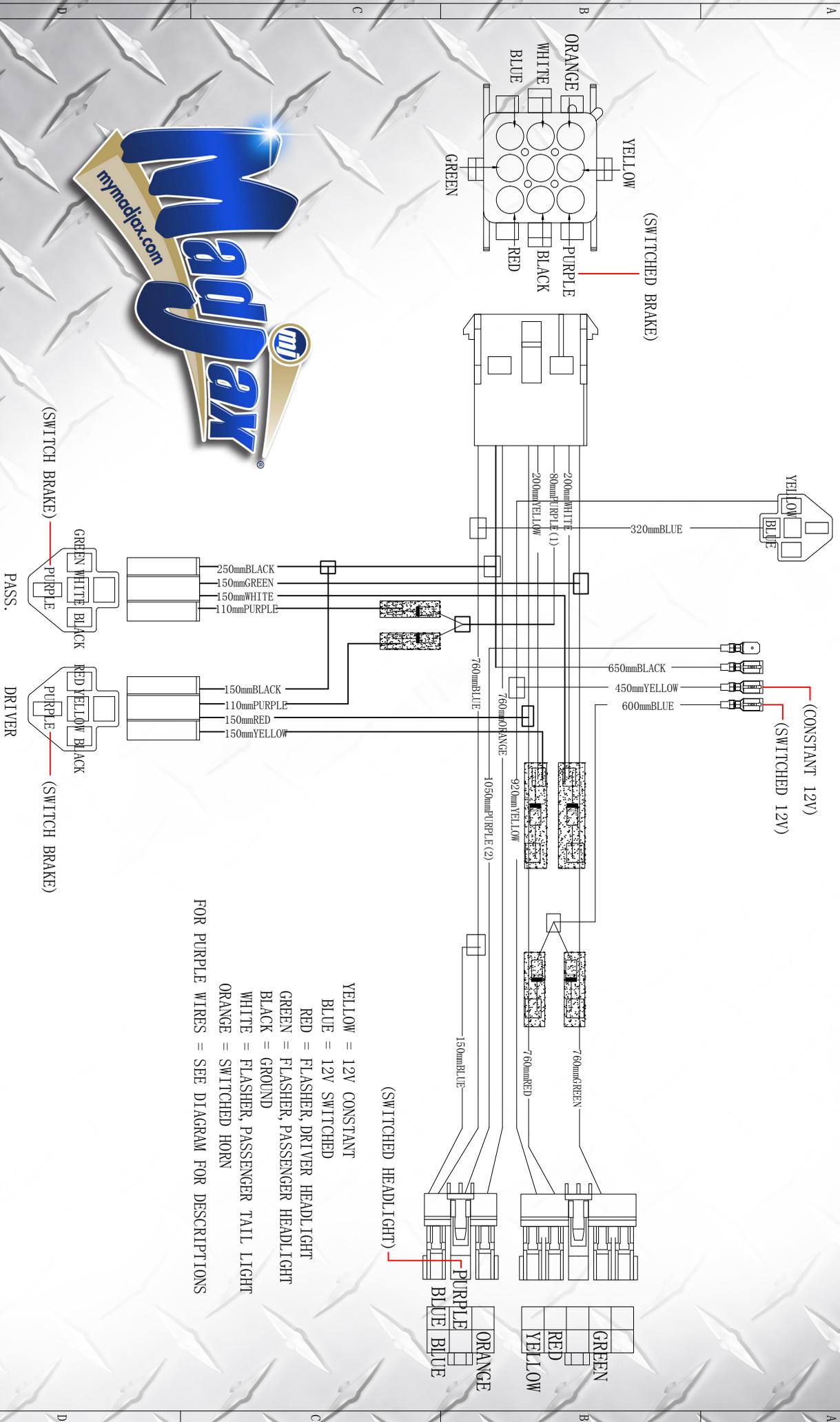
02-018 ULTIMATE LIGHT KIT HARNESS

- RED = 12V CONSTANT
- BLUE = 12V+
- GRAY = FLASHER, DRIVER HEADLIGHT
- GREEN = FLASHER, PASSENGER HEADLIGHT
- BLACK = GROUND
- WHITE = FLASHER, DRIVER TAIL LIGHT
- BROWN = FLASHER, PASSENGER TAIL LIGHT
- YELLOW = 12V BRAKE
- PURPLE = 12V HORN

RED CONNECTORS ARE FOR PASSENGER LIGHTS



02-006 ULTIMATE LIGHT KIT UPGRADE



YELLOW = 12V CONSTANT
 BLUE = 12V SWITCHED
 RED = FLASHER, DRIVER HEADLIGHT
 GREEN = FLASHER, PASSENGER HEADLIGHT
 BLACK = GROUND
 WHITE = FLASHER, PASSENGER TAIL LIGHT
 ORANGE = SWITCHED HORN
 FOR PURPLE WIRES = SEE DIAGRAM FOR DESCRIPTIONS

