

Instructions for Yamaha G14/G16/G19/G22 Models (31483)

The Light Kit includes:

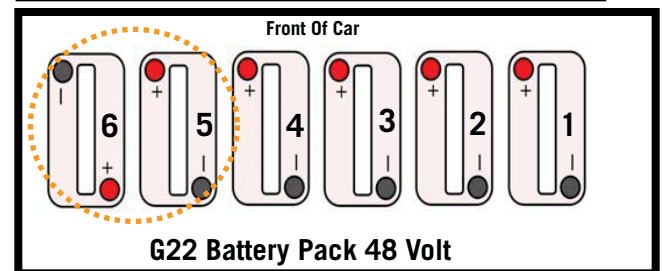
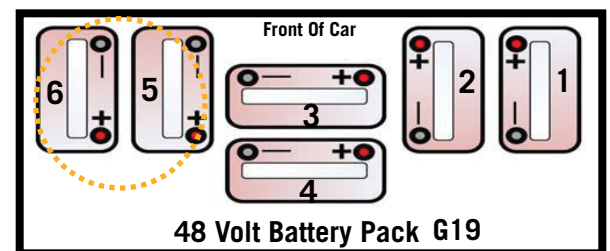
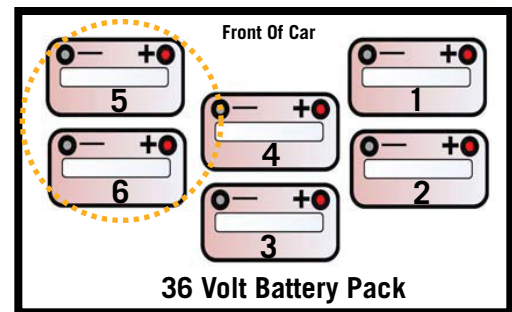
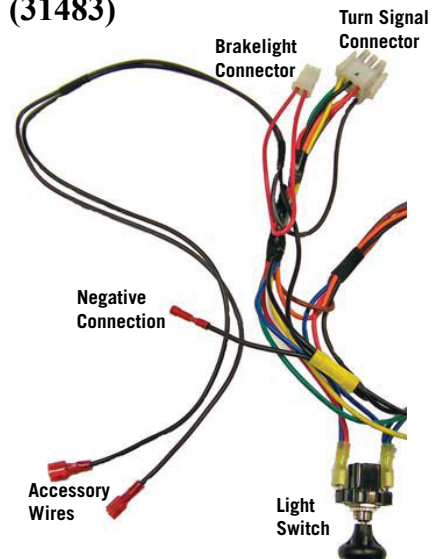
- (1) Main Wire Harness with Positive & Negative In-line Fuses.
- (1) Head Light Switch.
- (1) Left Hand Headlight.
- (1) Right Hand Headlight.
- (1) Left Hand Taillight.
- (1) Right Hand Taillight.
- (1) Brake Light Harness
- (16) Mounting Screws.
- (1) Set of Templates.
- (6) Tie Straps
- (1) Wiring Instructions.



**WEAR SAFETY GLASSES
OR APPROPRIATE EYE PROTECTION !**

Begin by removing the seat and disconnect the battery and or battery pack. If your car has a Run/Tow Switch, place the switch in the "Tow" position before disconnecting the battery pack.

- 1) Lay out all parts in an organized manner to ensure the parts and diagrams are correct.
- 2) Cut out the headlight/taillights as per the templates; clean up any loose materials and ruff edges. Use a 1/8" drill bit for the screw mounting holes.
- 3) Route the wire Harness along the side of the main harness toward the front of the car making sure the harness does not interfere with moving parts or sharp edges. Ensure the color coding of the harness is matched to the appropriate headlight wire colors.
- 4) Mount the headlight switch in an area close to the key switch; use caution when drilling not to drill into wires or components. A 31/64" drill bit will work well for mounting the light switch.
- 5) Route the rear section of the harness along side the frame work so as not to interfere with any moving parts. Ensure the harness color coding is matched to the appropriate light assembly.
- 6) Again, use the 1/8" drill bit for the taillight mounting screw holes.
- 7) The wiring harness is designed to work with a turn signal kit and brake light kit that can be installed at a later time.
- 8) All the light connections to the harness are made by the push lock connectors that match the color of the wires. Force the connections together, until you feel them lock into place. They are matched to connect in only one direction.
- 9) Tie up all loose wiring and double check for the interference with moving parts.



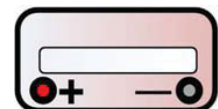
Technical Note: Use batteries number five and six for twelve volt connections.

For 36/48 voltage reduction to 12 volts use converter part number 28949. For voltage reduction from 16 volts to 12 volts use part number 10905. 48 volt cars G19/G22 use six 8 volt batteries and you must reduce battery 5 and 6 from 16 volts to 12 volts.

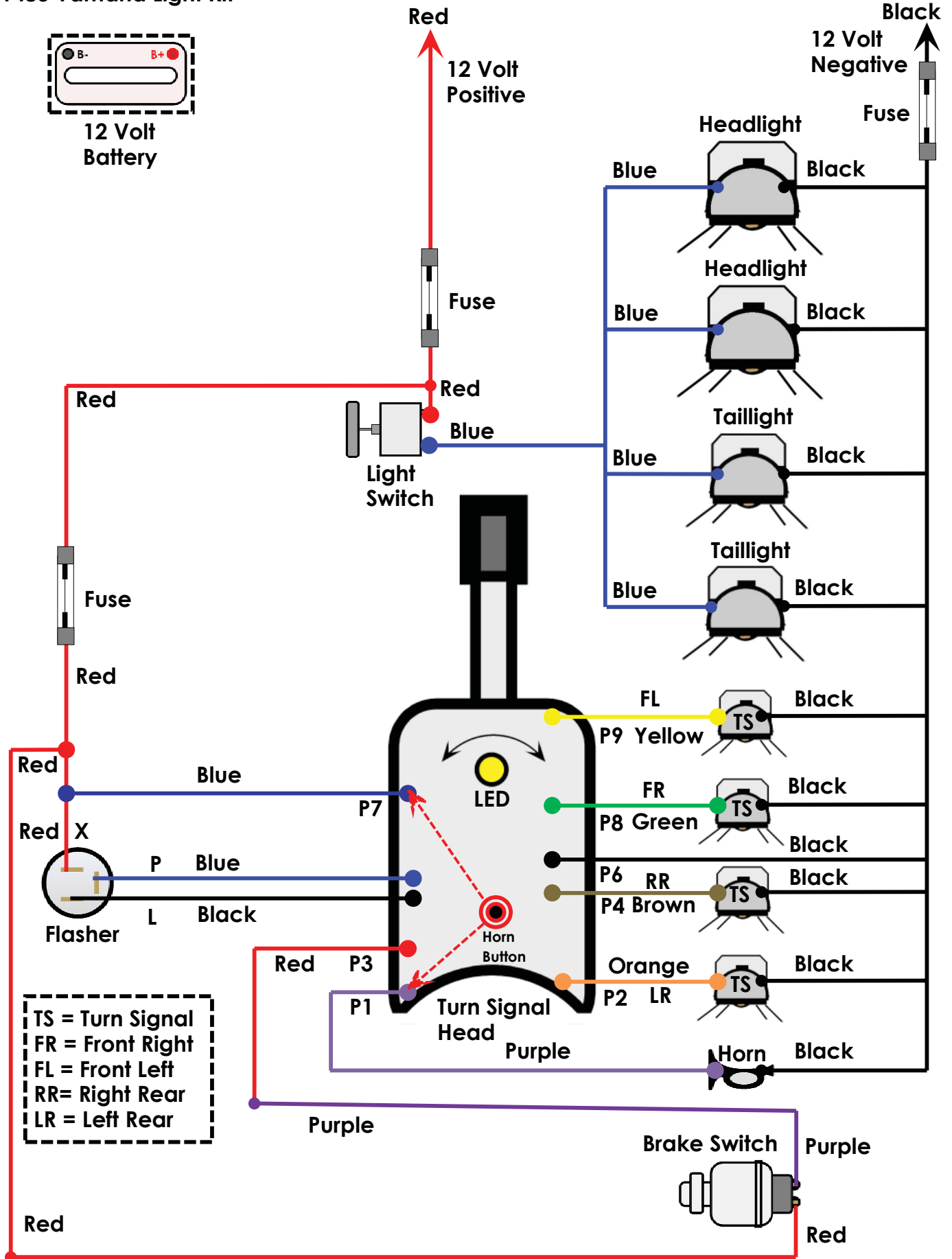
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GAS CAR WIRING

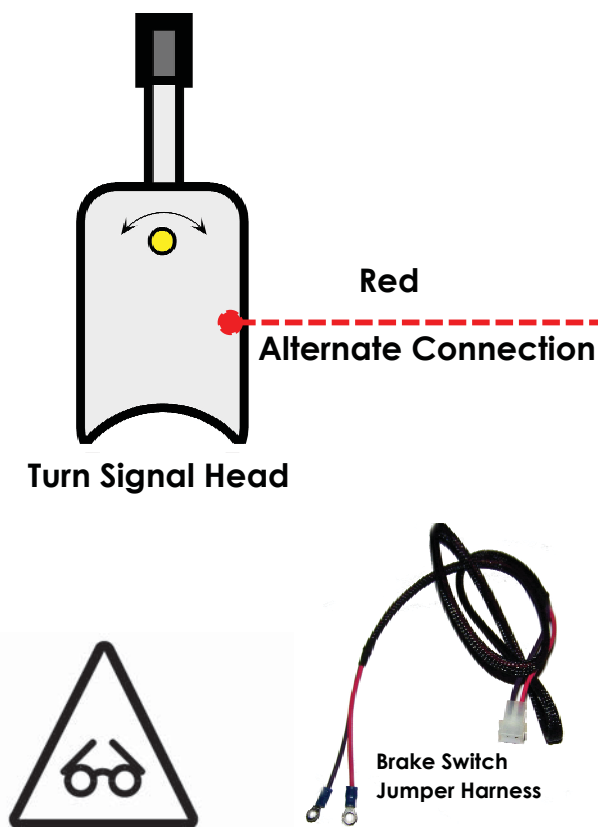
NEVER use frame ground on Yamaha gas cars. Always ground to the battery negative.



31483 Yamaha Light Kit



TXT Brake Light Switch/Wiring



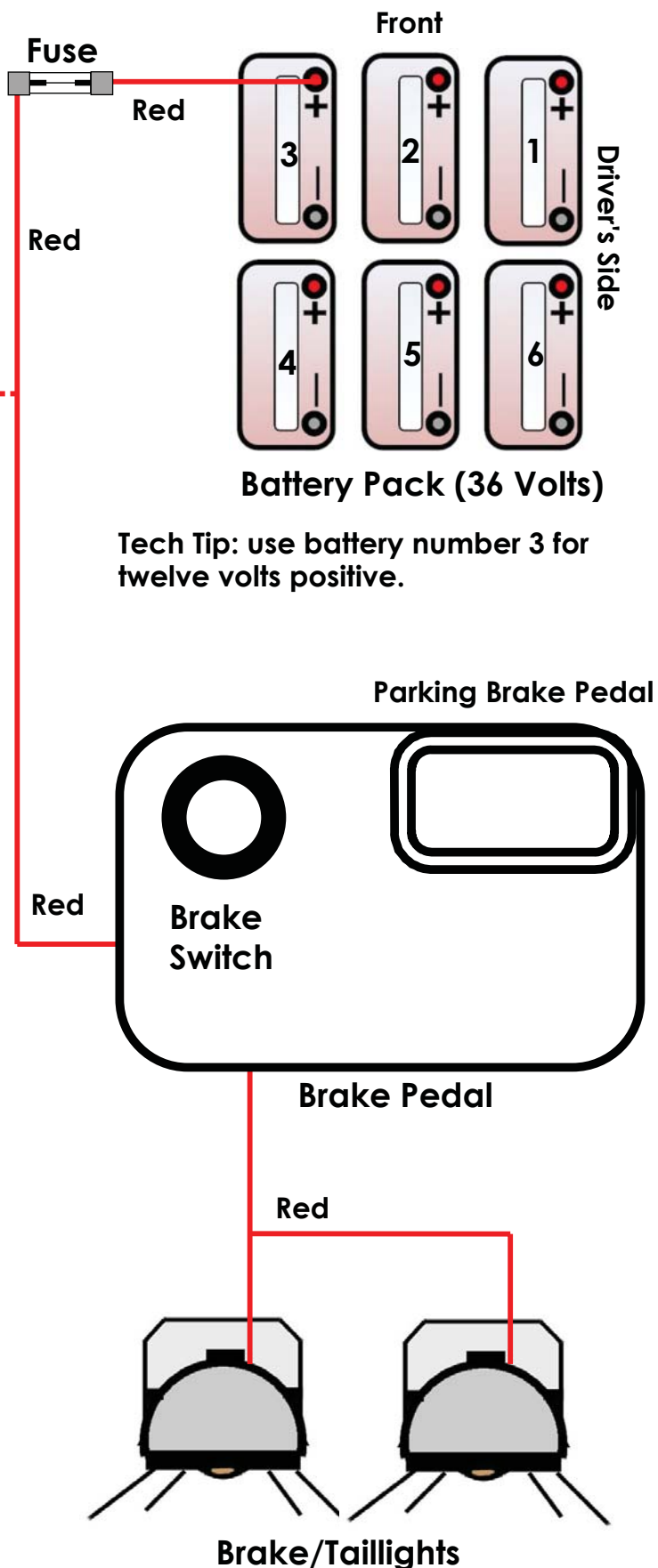
Caution: Wear Appropriate Eye Protection!

Drill a 5/8" hole in the upper left hand corner of the brake pedal. Install the switch and adjust to the desired height. Make sure the height is not too high but flush enough to allow foot activation.

For cars with a turn signal head connect one wire from the brake switch to the red wire on turn signal head. Our kit this will pre-exist on 6439 style. As will the other wire going to brake/taillights. You will see this jumper wire in the light kit (31483) along with the fuse.

If not using a 31483 light kit wire into the brake/taillights as shown in drawing.

Note: battery negative pre-exists through light kit. If just using brake light only then you must supply 12 volt negative to the brake/taillight assembly.



Tech Tip: use battery number 3 for twelve volts positive.

YAMAHA Head Light Template Yamaha G14/16/19/22 Models

Using the dotted lines in templates A & B, align the two halves of the template and tape them together. Then cut around the out side edges and remove gray area marked "Head Light"

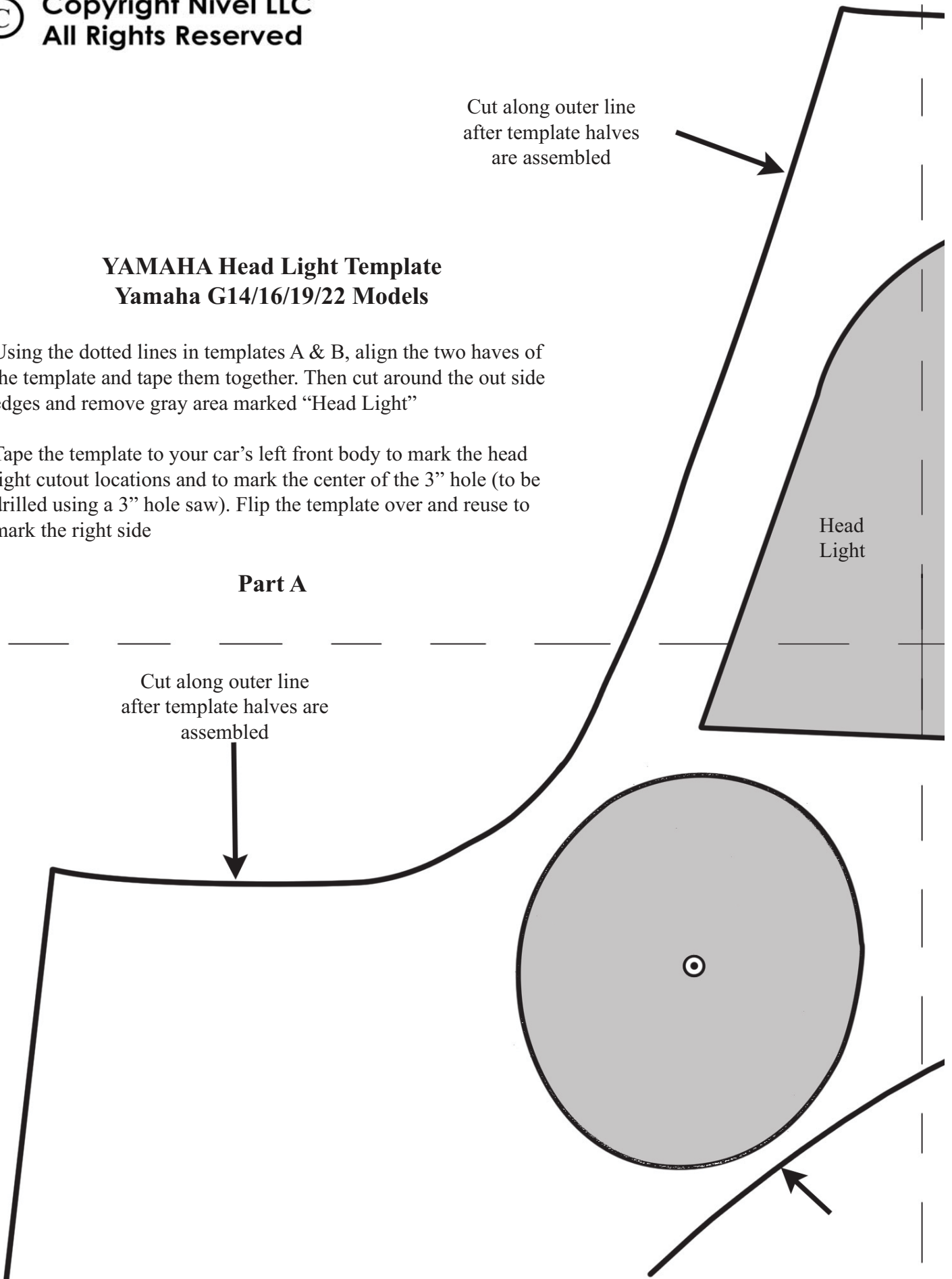
Tape the template to your car's left front body to mark the head light cutout locations and to mark the center of the 3" hole (to be drilled using a 3" hole saw). Flip the template over and reuse to mark the right side

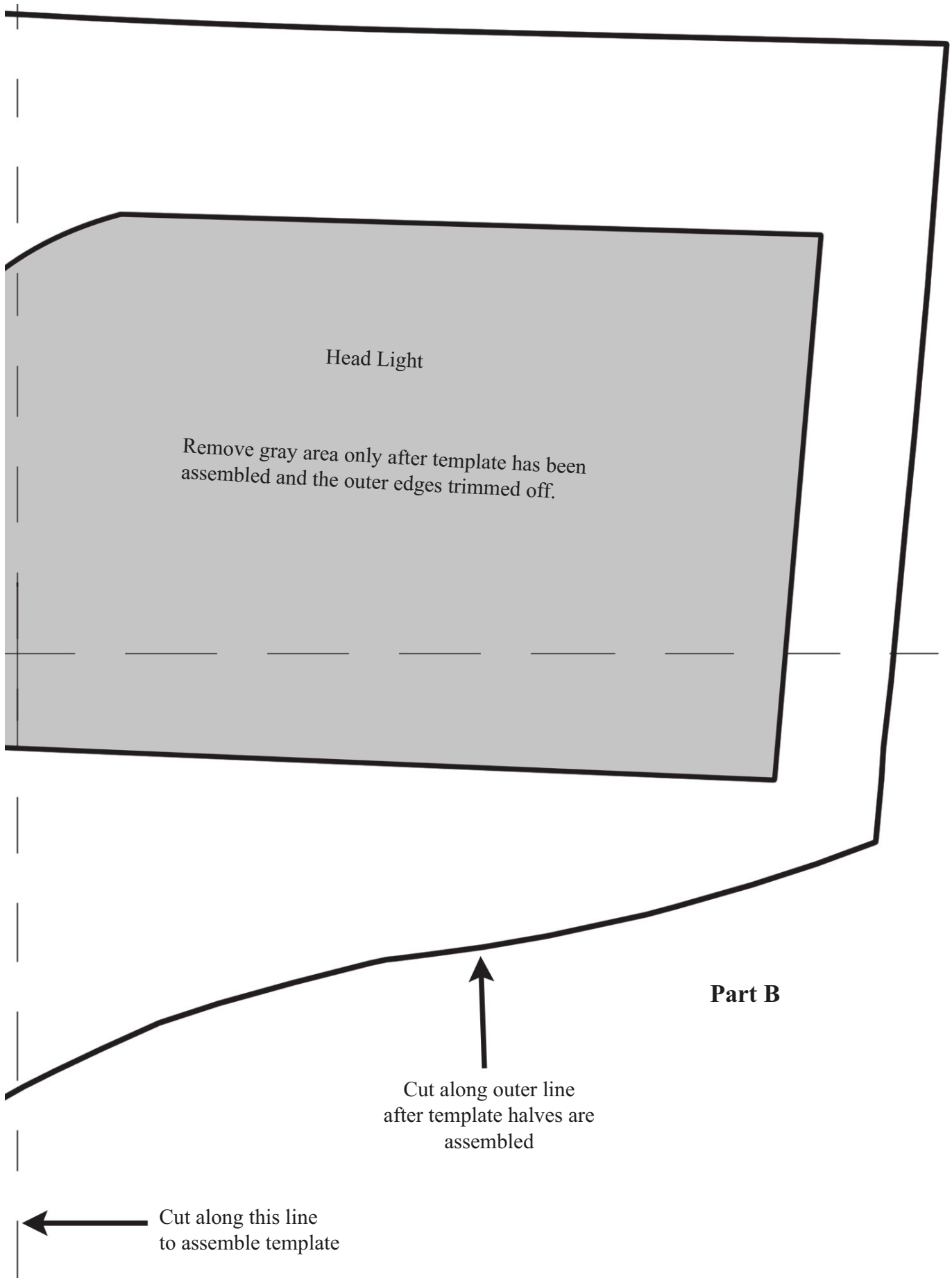
Part A

Cut along outer line
after template halves are
assembled

Cut along outer line
after template halves
are assembled

Head
Light





Head Light

Remove gray area only after template has been assembled and the outer edges trimmed off.

Part B

Cut along outer line
after template halves are
assembled

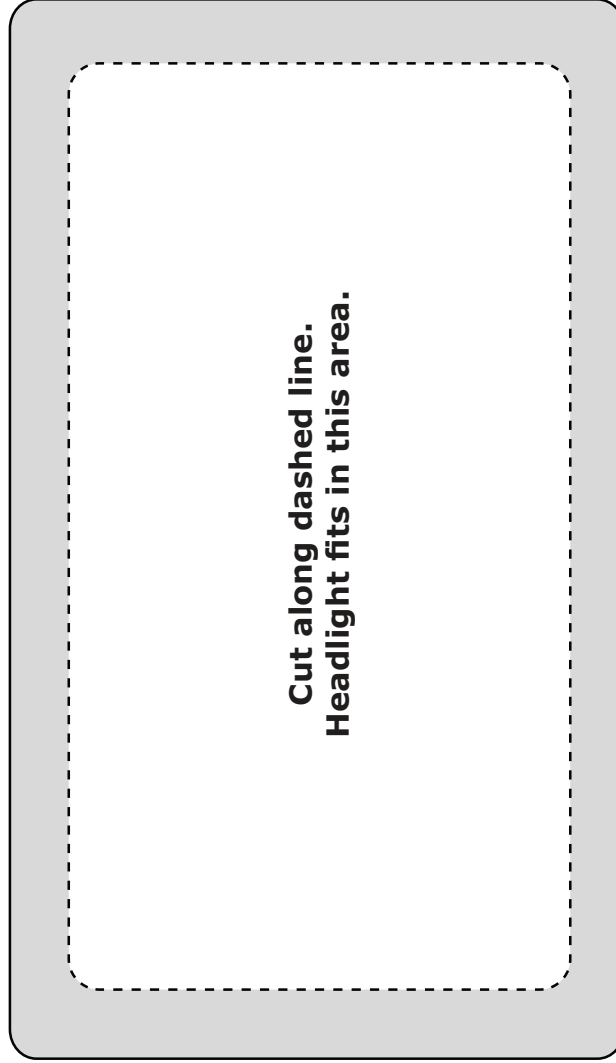
Cut along this line
to assemble template

**Taillight Template for Yamaha
G14/G16/G19/G22 Models**

Center on Fender



Center on Fender



**Cut along dashed line.
Headlight fits in this area.**

Center on Fender



Center on Fender

