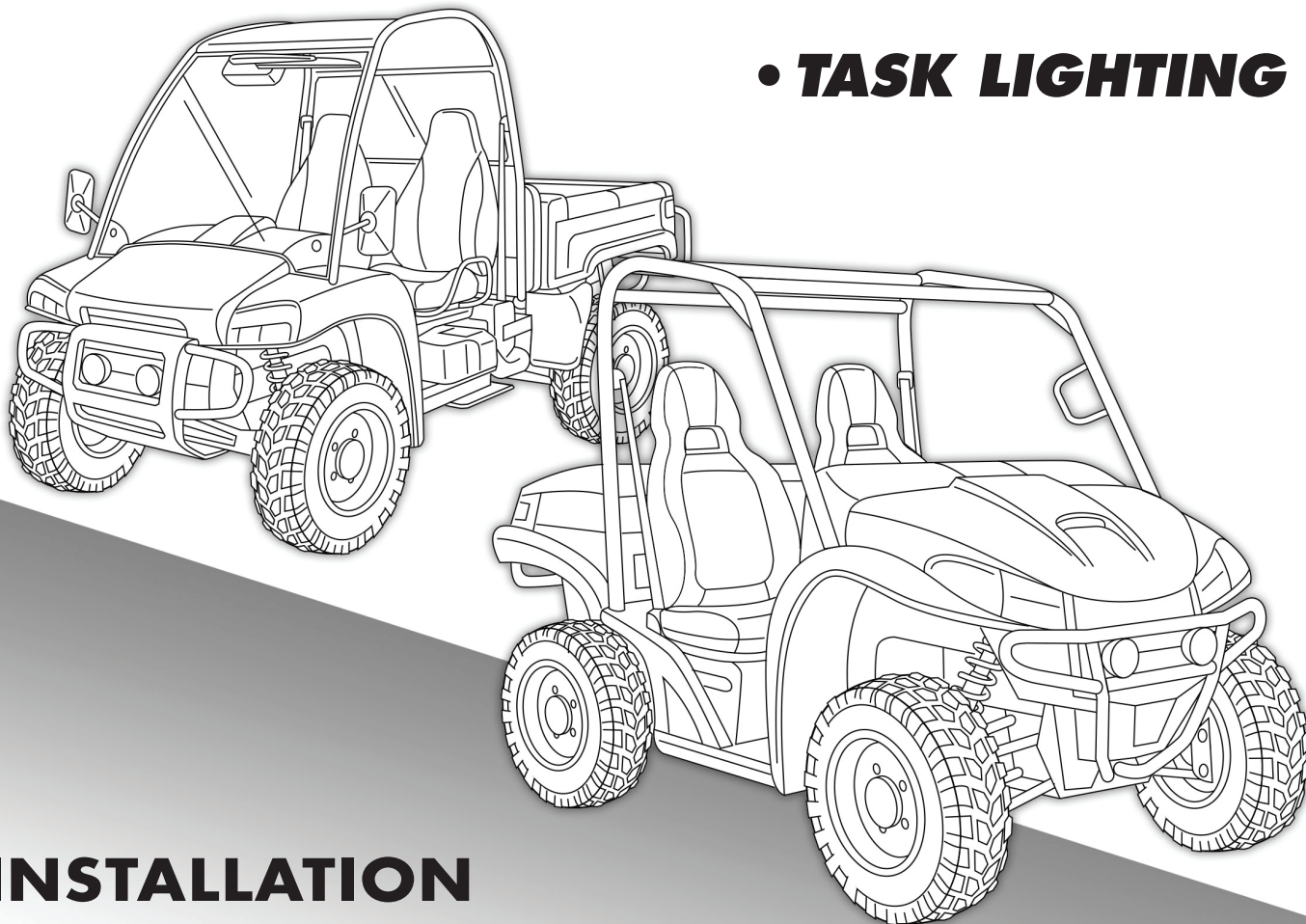


Grote®

www.grote.com

ATV LIGHTING

- **REAR VISIBILITY**
- **TASK LIGHTING**



**INSTALLATION
INSTRUCTIONS**

WELCOME



Please review all of the following requirements prior to installing this light. Failure to follow these safety precautions and instructions could result in damage to the product or vehicle and could result in serious injury to you and your passengers. Read through these instructions thoroughly and understand the steps required before beginning any installation.

- Improper installation may result in serious injury, property damage, or death. The installer must have a good understanding of automotive electronics, systems, and procedures.
- If you are drilling any holes while mounting this light, please be sure to check both sides of the surface to ensure that you do not damage anything. De-burr all holes.
- Ensure that any switches used are located in an area that allows the vehicle and device to be operated safely in any driving condition.
- Use a minimum 18AWG wire for electrical connections and a 10A fuse at the power source, ensuring both positive and ground connections are dependable.
- Test the light and inspect all wiring each time you use the vehicle to ensure that it is functioning properly. If it is not functioning properly, do not operate the vehicle!



This light uses high-intensity LED lamps. DO NOT stare directly into the light while it is on, as momentary blindness and/or permanent eye damage may occur.

If you have any questions concerning this product, please contact our Customer Solution's Group.
In the US: 1-800-628-0809 and in Canada: 1-800-268-5612

If a product is to be returned for any reason, please contact our Customer Solutions Group at the numbers listed above to obtain a Return Goods Authorization number (RGA) before shipping the product back. The RGA must be clearly marked on the outside of the box/carton to ensure prompt and accurate service.

CONTENTS

REAR VISIBILITY LIGHTING 1

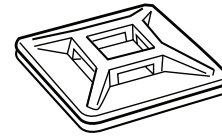
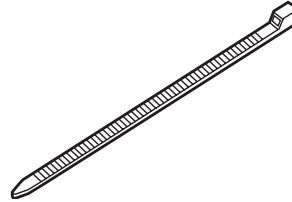
INTERIOR TASK LIGHTING 9

The logo for Grote, featuring the word "Grote" in a bold, black, cursive-style font. The letter "G" is large and stylized, with a thick horizontal bar across the top of the "ro" and "te" sections. A registered trademark symbol (®) is located at the end of the word.

NOTE

NOTE: ADDITIONAL ITEMS MAY BE PREFERRED/NEEDED THAT ARE NOT PROVIDED IN THE KIT:

- **CABLE TIES**
- **SELF-ADHESIVE CABLE TIE MOUNT**
- **ISOPROPYL ALCOHOL**
- **OEM CONVERSION HARNESS FOR YOUR SPECIFIC VEHICLE MODEL**



IMPORTANT!



AVOID AREAS THAT COULD PINCH OR CRUSH PARTS!

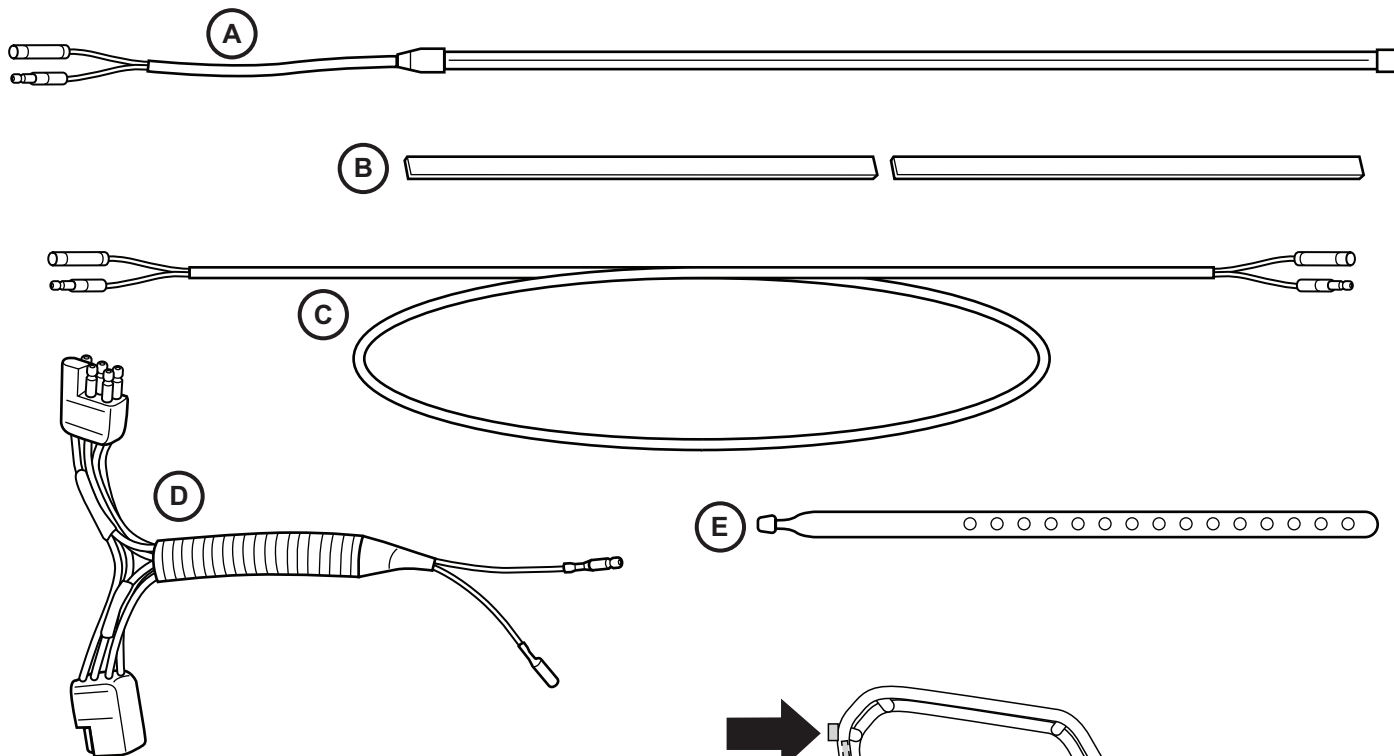


AVOID HOT EXHAUST COMPONENTS!



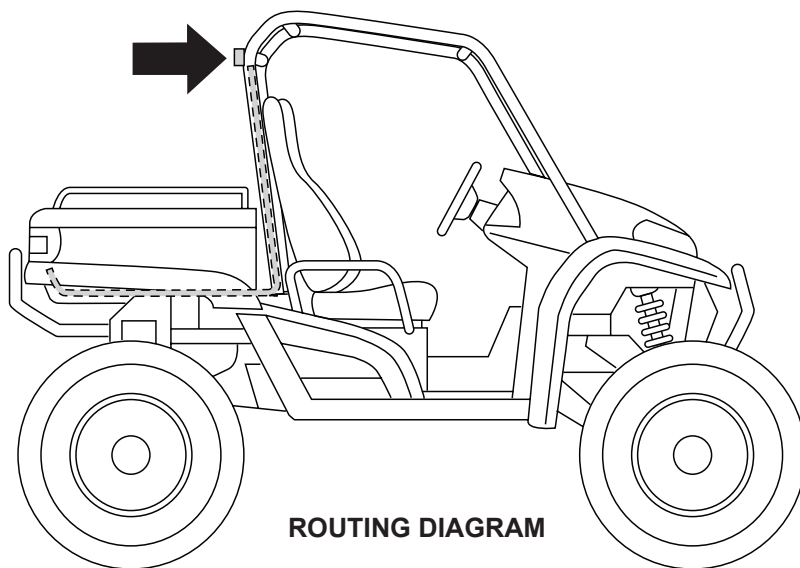
CLEAN MOUNTING SURFACES

REAR VISIBILITY LIGHTING



KIT COMPONENTS:

- A - 864mm Red Light Strip
- B - Mounting Tape / Adhesive Strip
- C - 8 foot Harness
- D - Tail Lamp Connector
(purchased separately)
- E - Tie Straps



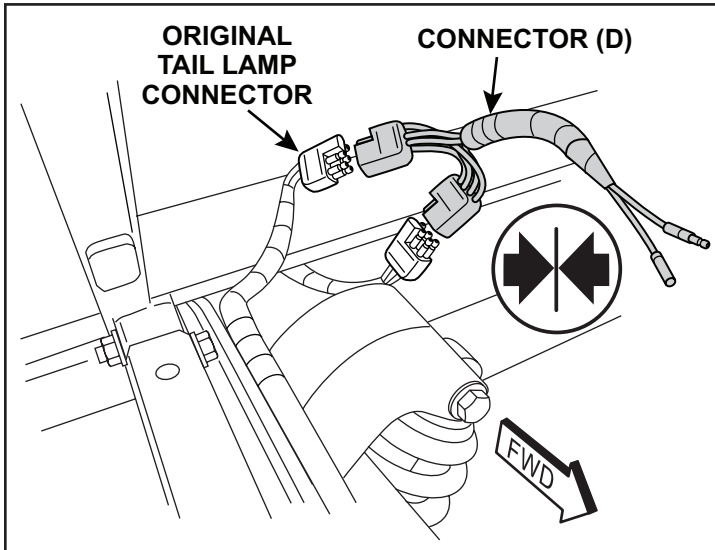
ROUTING DIAGRAM

REAR VISIBILITY LIGHTING

NOTE: Vehicle must have tail lamps for this kit to function.

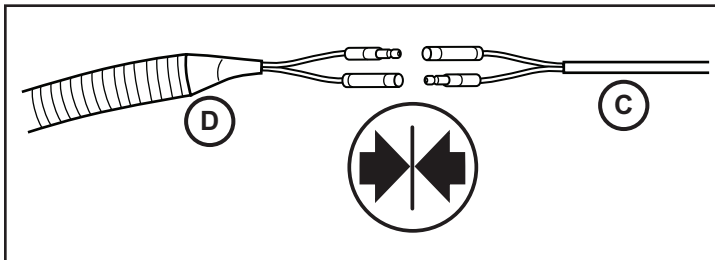
Lighting kit will draw power and activation from the tail lamp connections.

Examine the vehicle to determine the best routing path for the wiring harness.



1. Raise rear dump bed (if necessary).
2. Locate passenger side tail lamp connection.
3. Disconnect existing plug and install Lamp Connector (D).

NOTE: Your OEM conversion harness may look different.

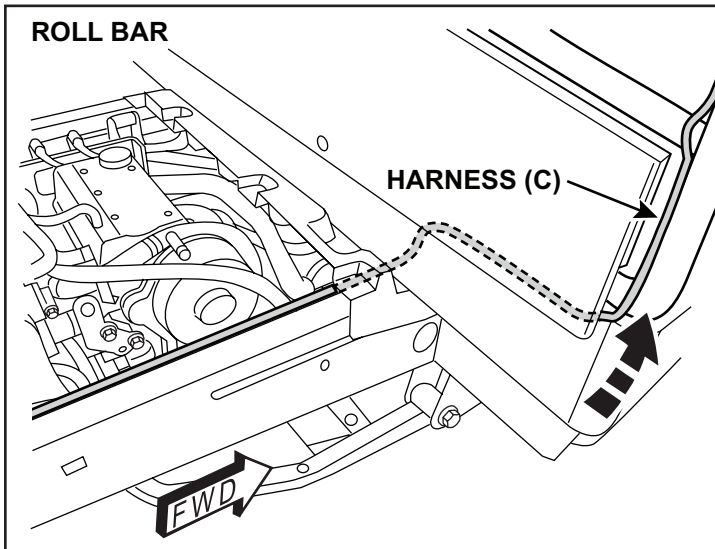
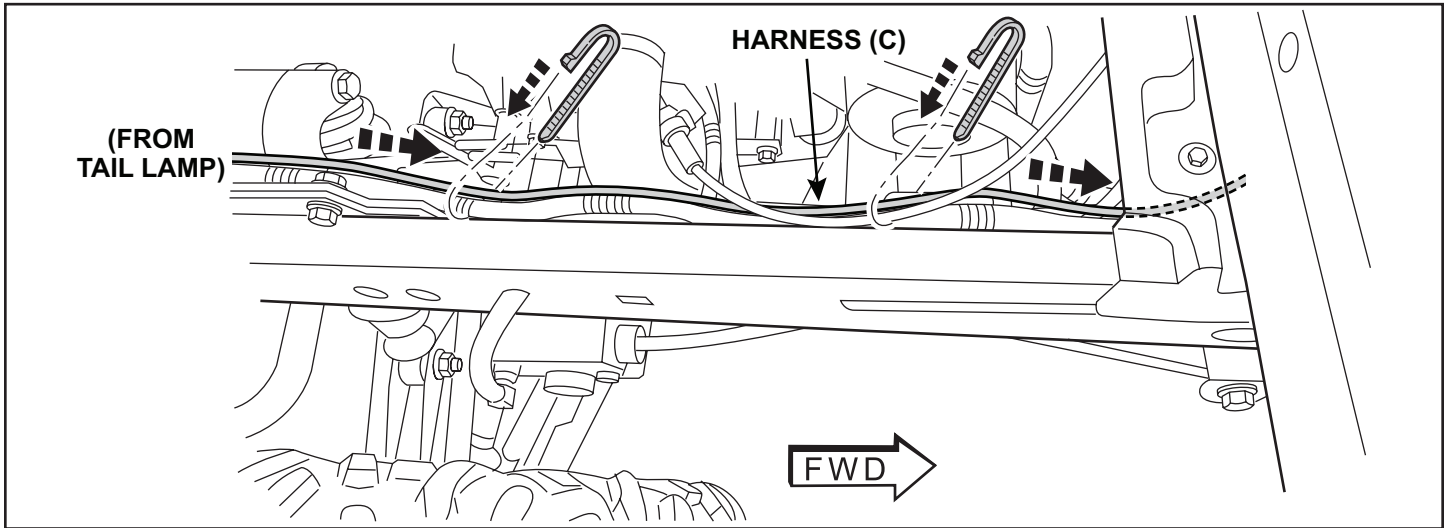


4. Connect end of harness (C) to Lamp Connector (D).
5. Secure Connector (D) to vehicle with straps (E) or cable ties.



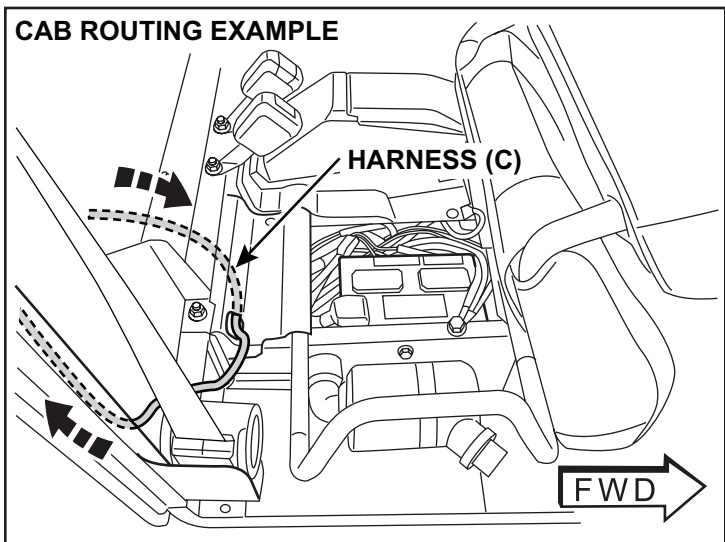
REAR VISIBILITY LIGHTING

6. Route harness (C) forward along vehicle chassis. Secure to existing harnesses as needed using straps (E) or cable ties.

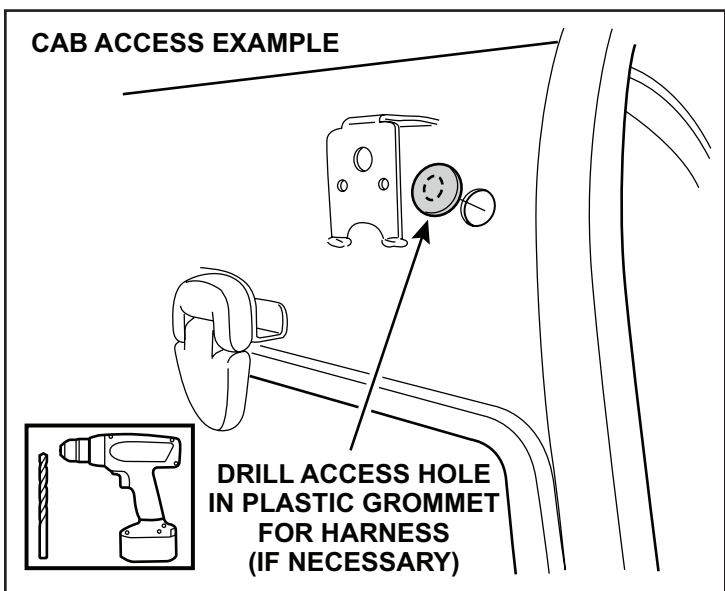


7. Examine vehicle and determine the best potential routing for the new harness to access the high center point where the light strip will be located.

REAR VISIBILITY LIGHTING



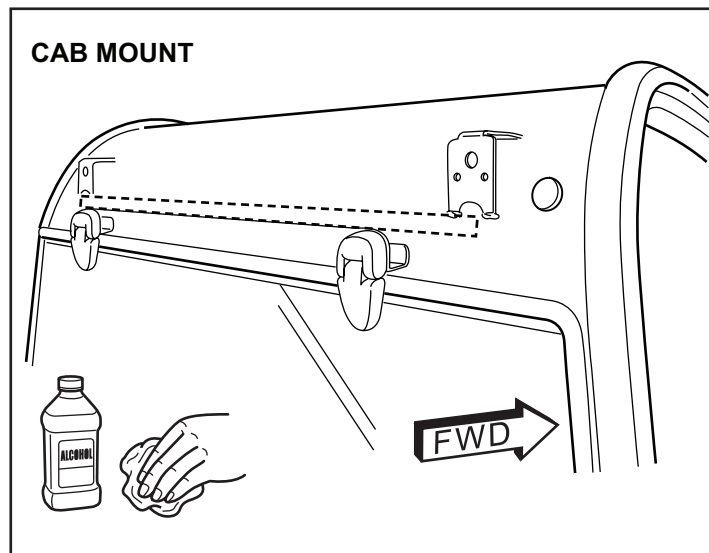
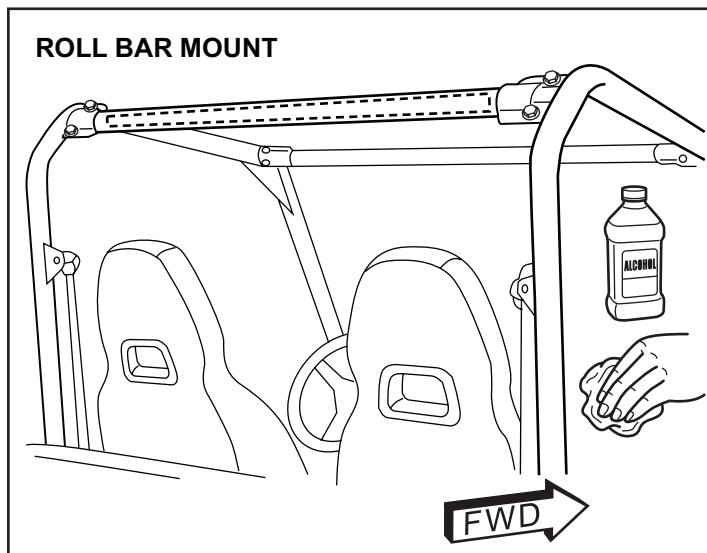
8. For vehicles with a hard cab configuration, harness will ideally be routed inside and then upward along the inner edge of the cab



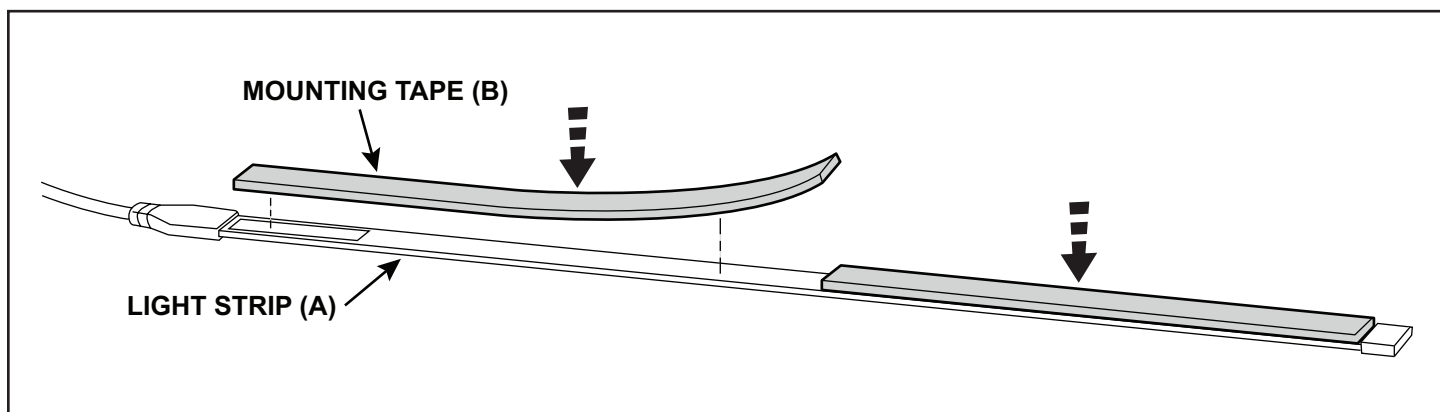
9. Determine an access point for the harness to pass back outside to be connected to the light strip.

REAR VISIBILITY LIGHTING

10. Determine the best mounting location for the light strip (suggested locations shown here).

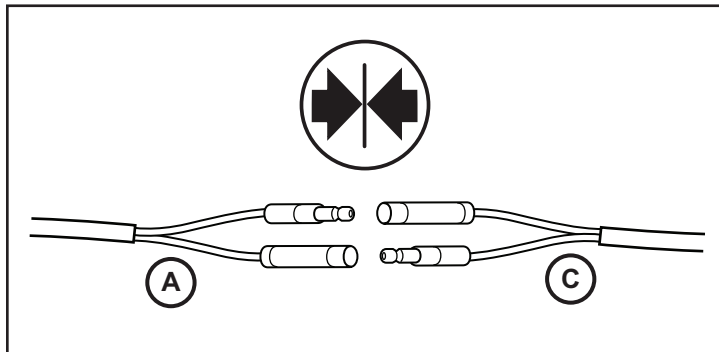
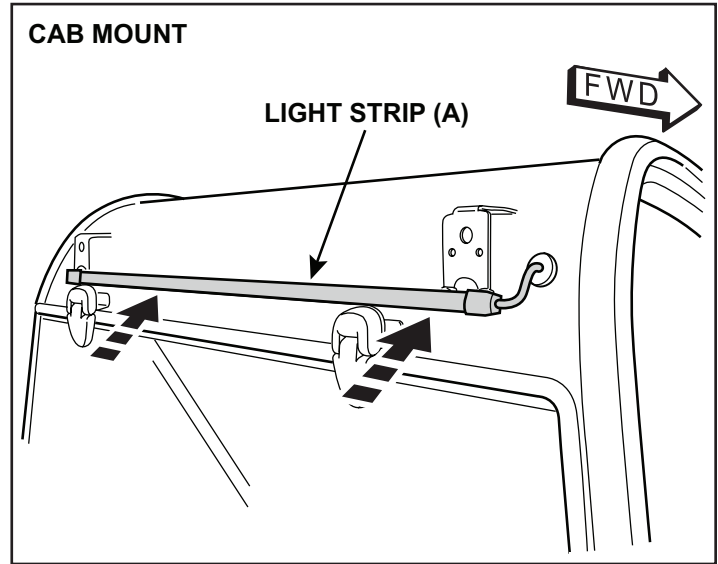
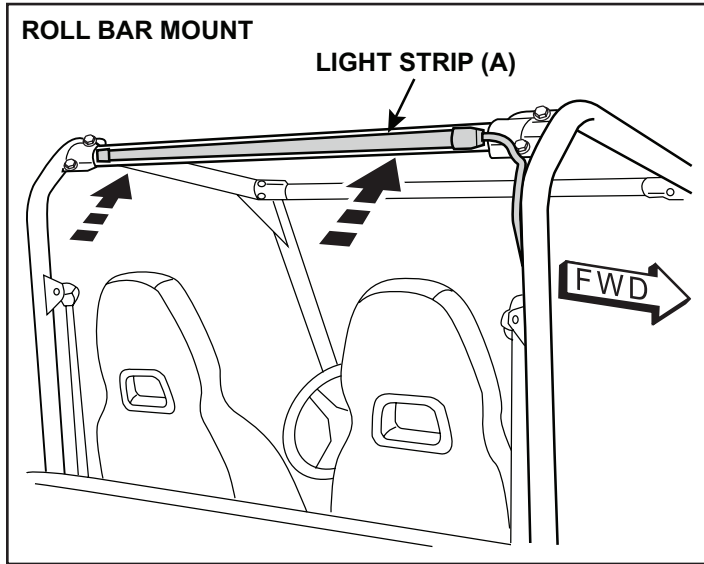


11. Peel away the adhesive covering on one side of the adhesive strips (B). Apply the adhesive strips to the bottom of the full length of the light strip (A).



REAR VISIBILITY LIGHTING

12. Peel away the adhesive covering on remaining side of the adhesive strips (B). Press the Light Strip into place and apply firm pressure (15 PSI) across the adhesive for 10-15 seconds. Additional tie straps can be used to secure the strip in place if desired.

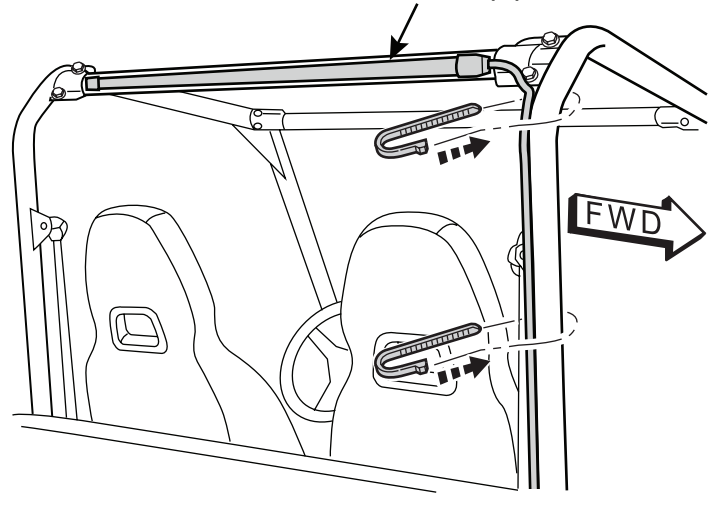


13. Connect Harness (C) to Light Strip (A).

REAR VISIBILITY LIGHTING

ROLL BAR MOUNT

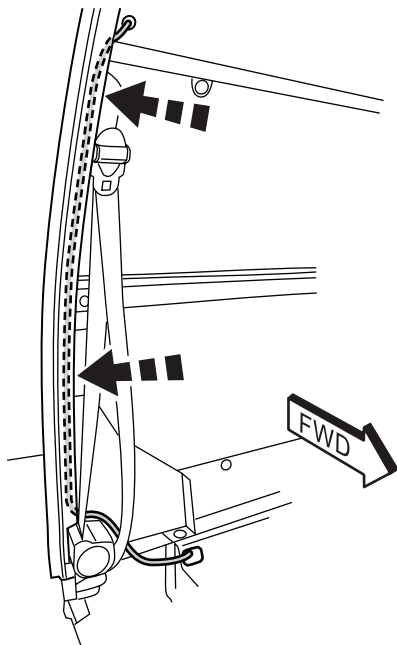
LIGHT STRIP (A)



- Secure Harness (C) to vehicle as needed using straps (E) or cable ties.

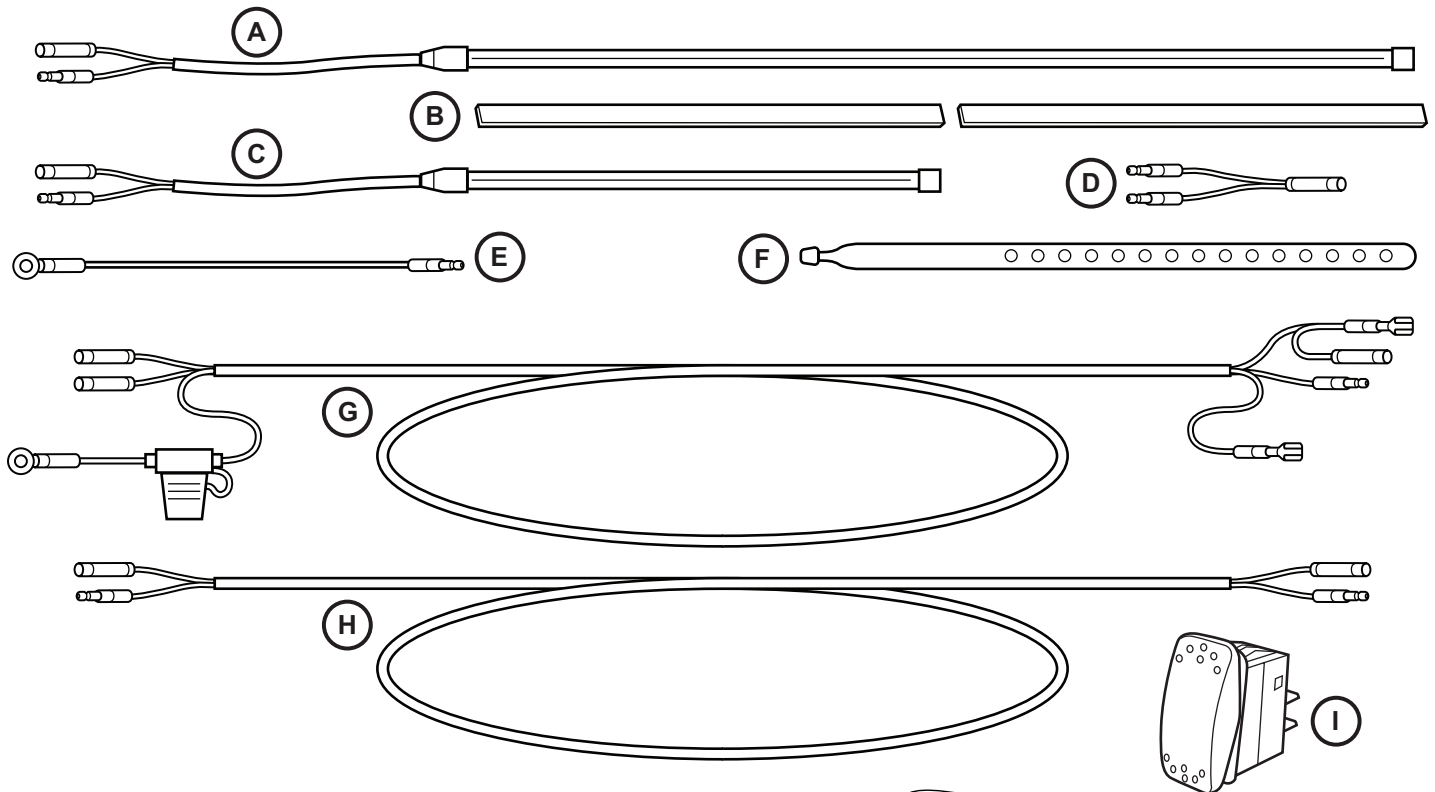
IMPORTANT: Be sure the harness does not interfere with the operation of the safety belts or doors.

INSIDE CAB



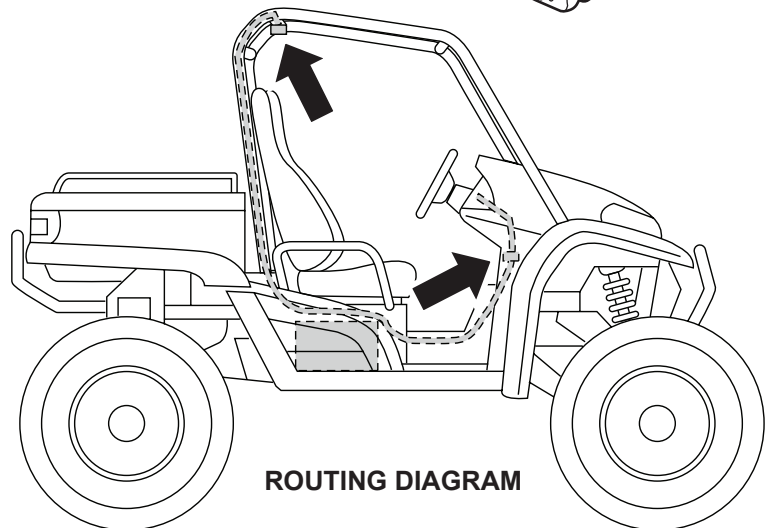
- Test that Light Strip is functioning properly.
- Check all wiring and connections.
- Trim all excess from cable ties.

INTERIOR TASK LIGHTING



KIT COMPONENTS:

- A** - 576mm Bright White Light Strip
- B** - Mounting Tape / Adhesive Strip
- C** - 192mm Bright White Light Strip
(optional enhancement - not included)
- D** - 6 inch "Y" adapter
- E** - 2 ft Battery Connection Wire
- F** - Tie Straps
- G** - 8 foot Harness with Battery Connections
- H** - 8 foot Light Strip Harness
- I** - Switch

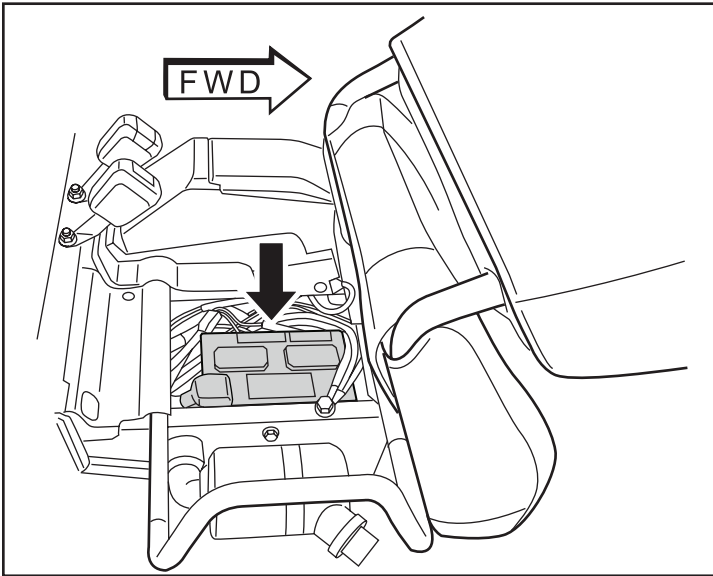


ROUTING DIAGRAM

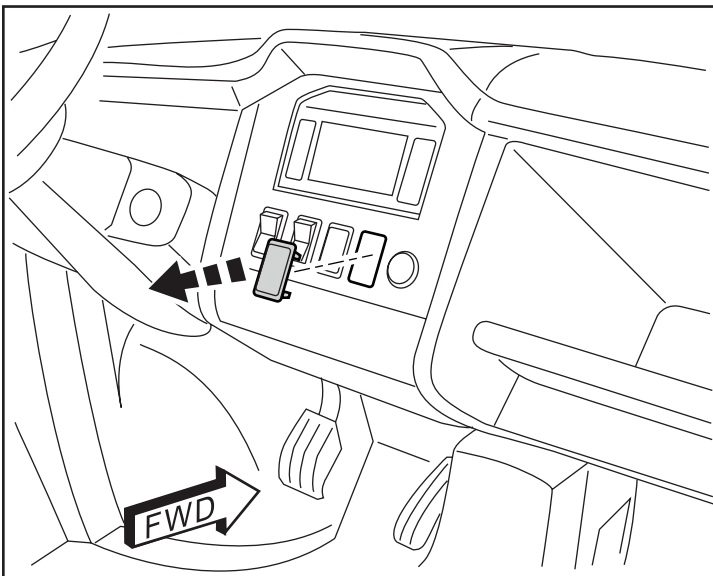
INTERIOR TASK LIGHTING

Lighting kit will draw power from the battery.

Examine the vehicle to determine the best routing path for the wiring harness.



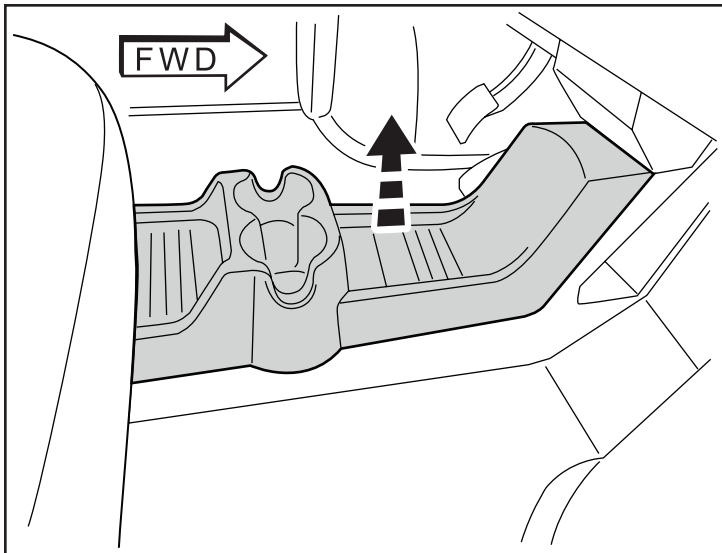
1. Locate the battery.



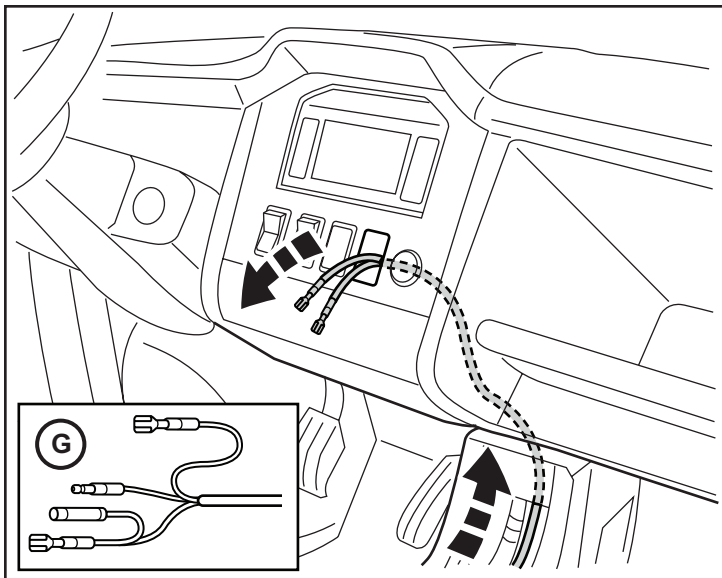
2. New switch will be installed at dash – locate a mounting hole(s) at switch panel.

3. Carefully pry out the cover panel from the new switch opening.

INTERIOR TASK LIGHTING



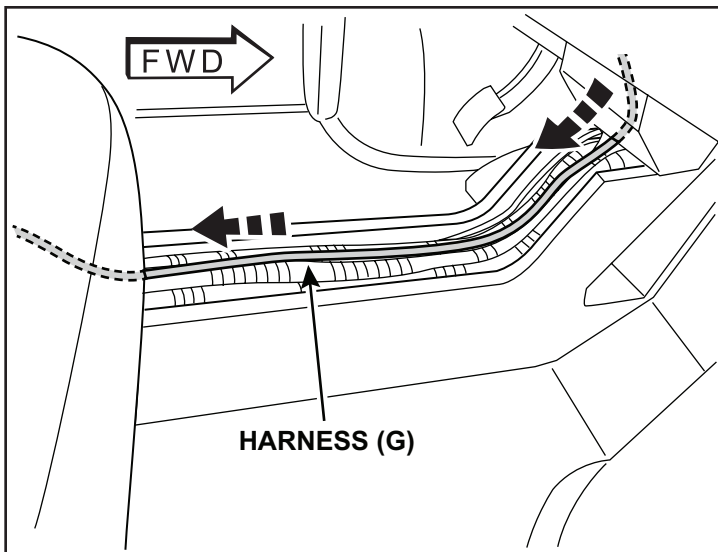
4. Remove center console panel.



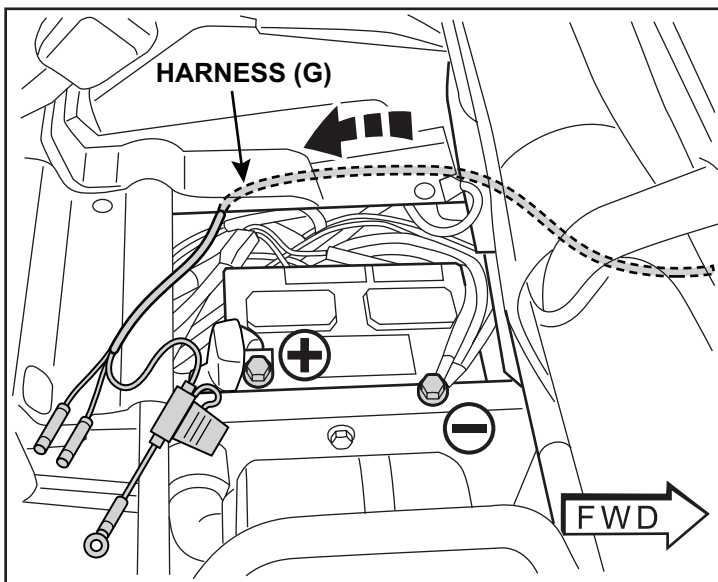
5. Route switch connector end of harness (G) up under dash and out switch opening.

INTERIOR TASK LIGHTING

6. Route harness (G) back towards battery.

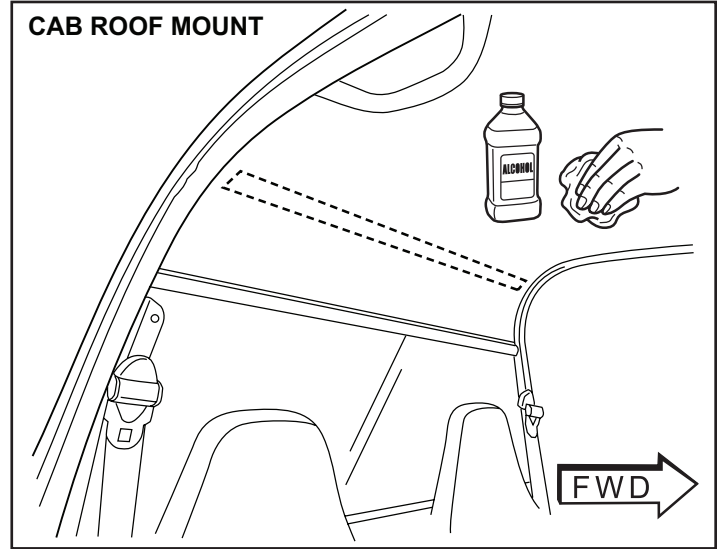
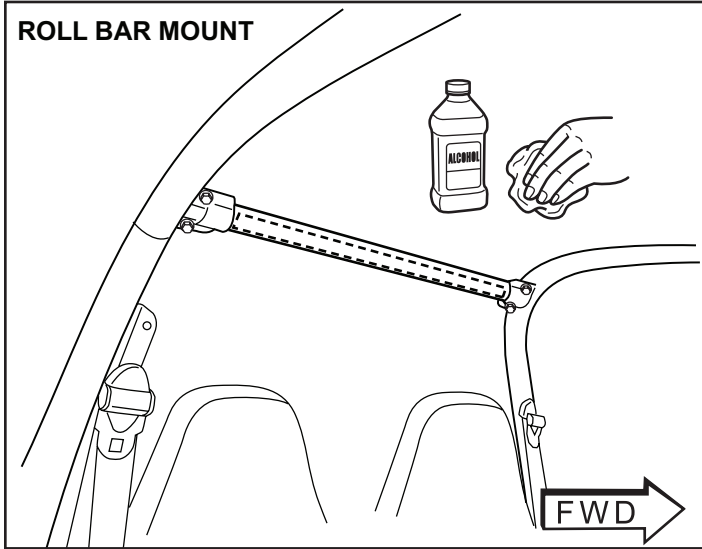


7. Route fuse end of Harness (G) out at battery compartment.

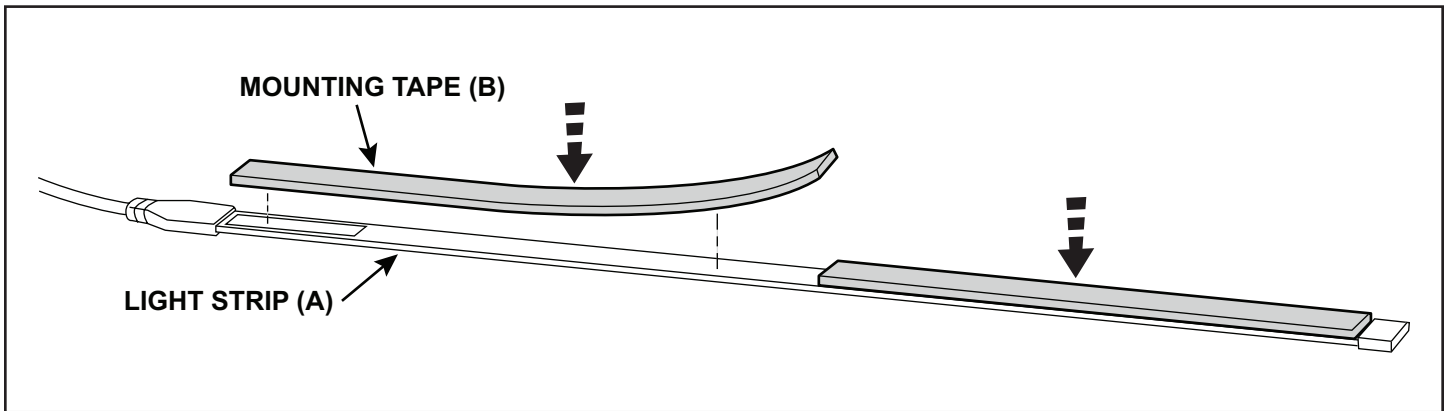


INTERIOR TASK LIGHTING

8. Determine the best mounting location for the overhead light strip (suggested location shown here).

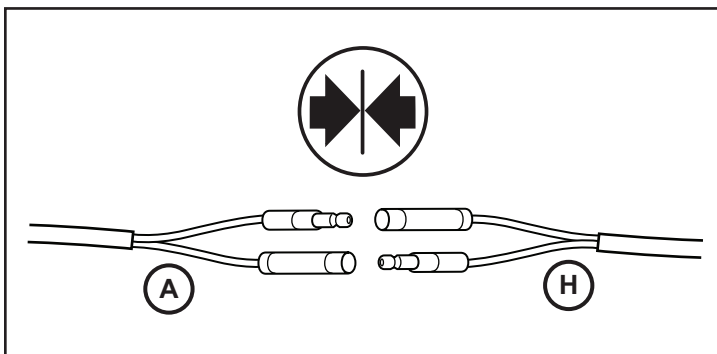
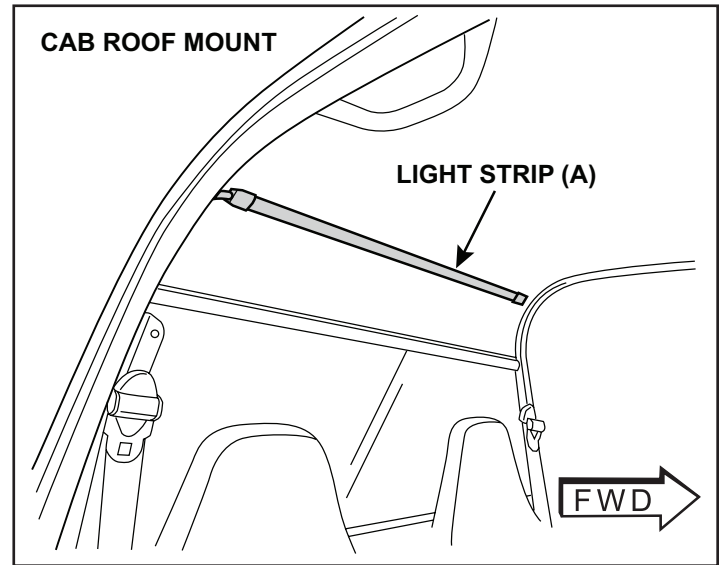
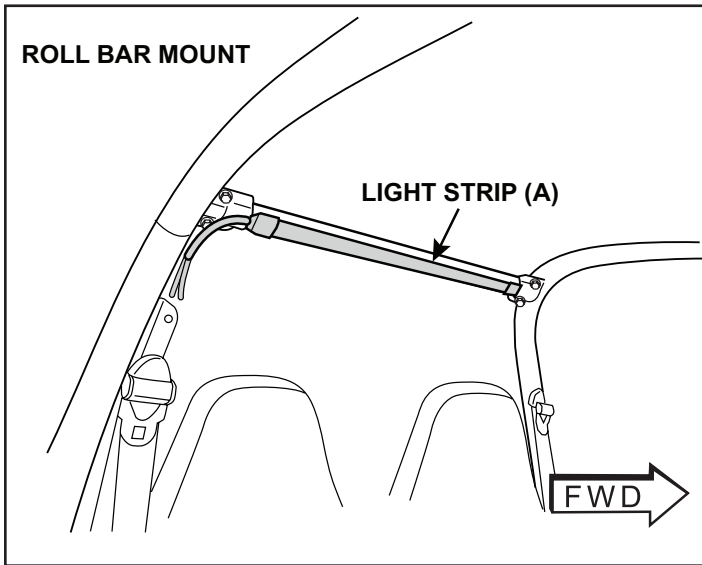


9. Peel away the adhesive covering on one side of the adhesive strips (B). Apply the adhesive strips to the bottom of the full length of the light strip (A).



INTERIOR TASK LIGHTING

10. Peel away the adhesive covering on remaining side of the adhesive strips (B). Press the Light Strip into place and apply firm pressure (15 PSI) across the adhesive for 10-15 seconds. Additional tie straps can be used to secure the strip in place if desired.

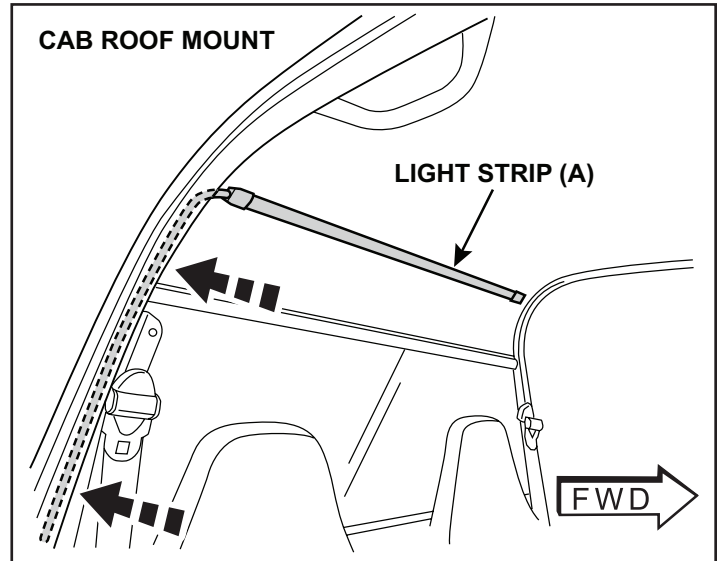
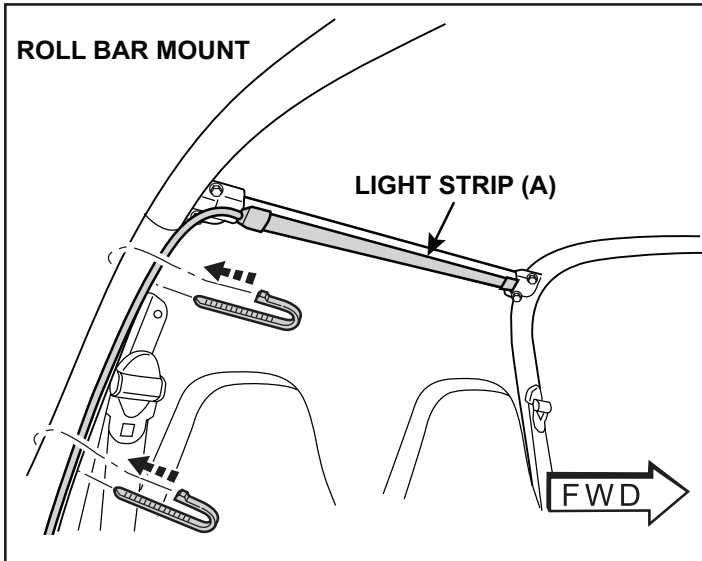


11. Connect Harness (H) to Light Strip (A).

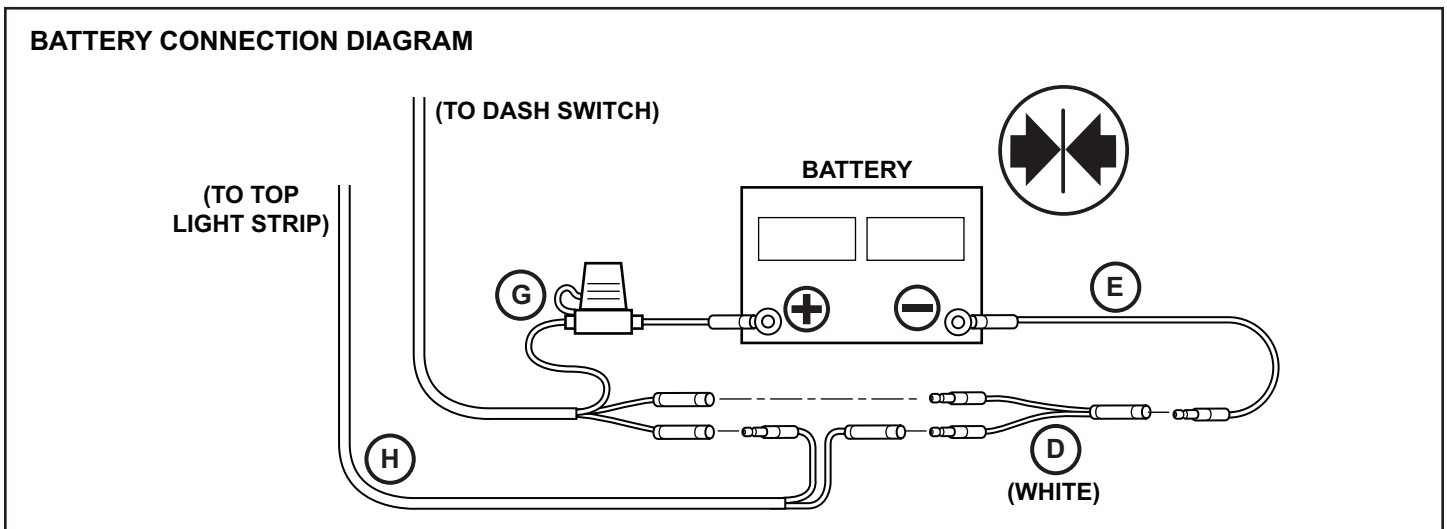
INTERIOR TASK LIGHTING

12. Route Harness (H) down towards battery and secure to vehicle as needed using straps (F) or cable ties.

IMPORTANT: Be sure the harness does not interfere with the operation of the safety belts or doors.



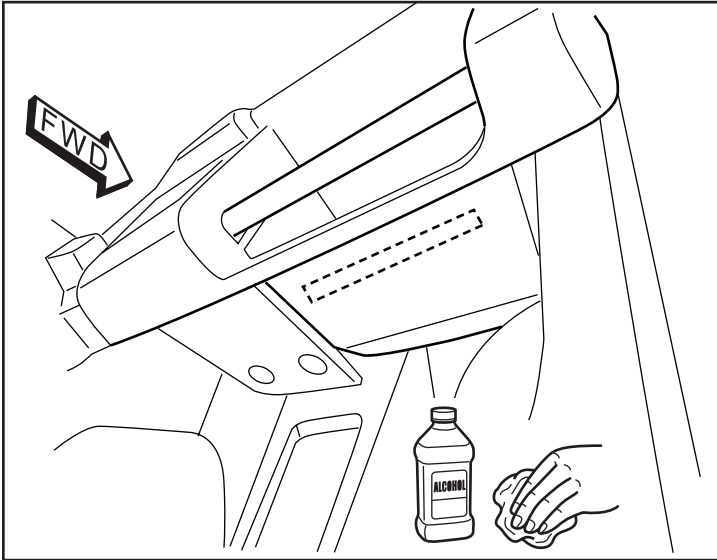
13. Make harness connections at battery by following the diagram below.



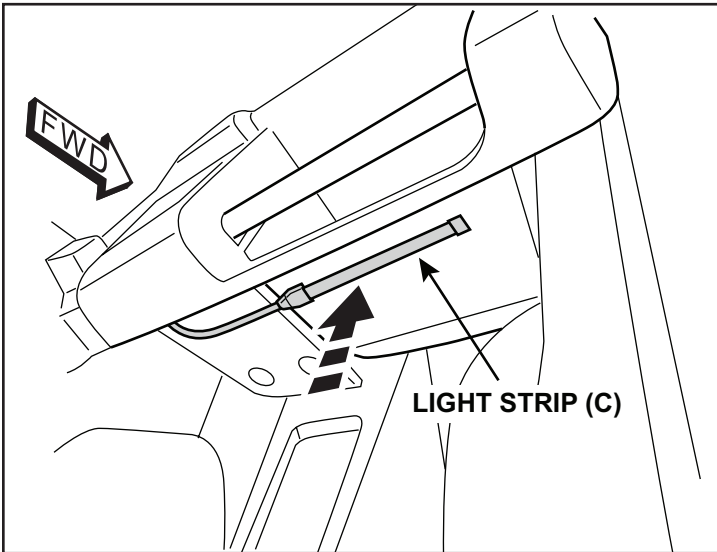
INTERIOR TASK LIGHTING

OPTIONAL ENHANCEMENT, PURCHASED SEPARATELY

14. Determine the best mounting location for the shorter light strip to be mounted under the dash (suggested location shown here). Clean all surfaces where Light Strip (C) will be mounted.

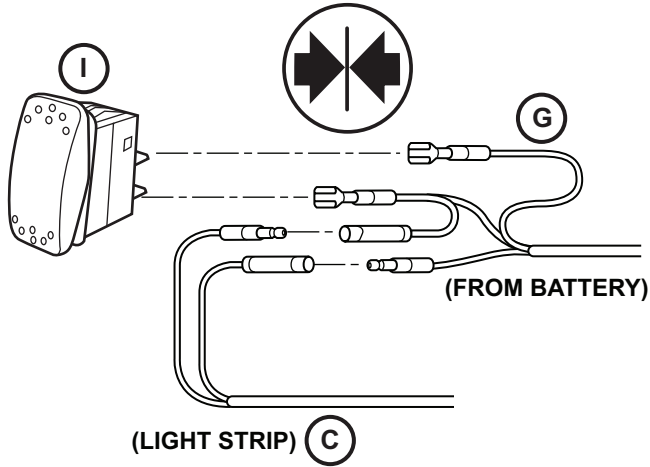


15. Peel away the adhesive covering on one side of the adhesive strip (B) similar to Step 9. Apply the adhesive strips to the bottom of the full length of the light strip (C).
16. Peel away the adhesive covering on remaining side of the adhesive strips (B). Press Light Strip (C) into place and apply firm pressure (15 PSI) across the adhesive for 10-15 seconds. Additional tie straps can be used to secure the strip in place if desired.

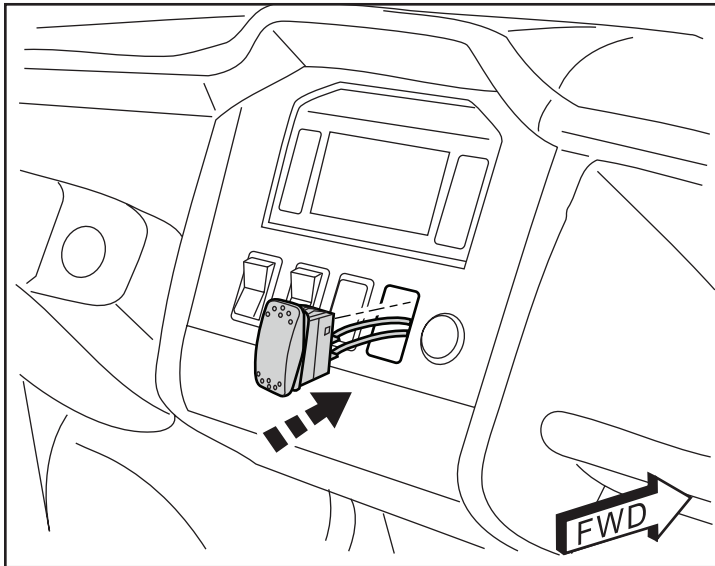


INTERIOR TASK LIGHTING

SWITCH CONNECTION DIAGRAM



17. Make harness and light strip connections at the switch location on the dash by following the diagram as shown.



18. Press Switch (I) into opening on dash.

NOTE: The opening may need to be modified with a file or similar tool to allow clearance for the switch.

19. Bundle and secure any excess wiring under dash with cable ties.

20. Secure harness along center console with cable ties.

21. Test that Light Strips are functioning properly.

22. Check all wiring and connections.

23. Reinstall center console panel.

24. Trim all excess from cable ties.

NOTES

SPECIAL LED LIMITED WARRANTY

Grote® LED lamps are covered by the Grote® Special LED Limited Warranty and are warranted to be free from defects in workmanship and/or material only for the specified time frames listed below. Grote® will replace any Grote® LED lamp to the original purchaser, if the Grote® LED lamp fails due to defects in workmanship and/or materials during the warranty time frame specified below:

THE LED LIMITED WARRANTY DOES NOT APPLY TO SEVERE APPLICATIONS. Examples: Mining, Snow plowing and Fertilizers.

- (1) Grote® LED lamps are to REMAIN INTACT, FREE FROM PHYSICAL ABUSE, SUBJECT TO PROPER INSTALLATION WITHOUT MODIFICATION AND MUST BE USED ONLY WITH GROTE® APPROVED WIRING ACCESSORIES. ANY VIOLATION OF THESE CONDITIONS WILL VOID THIS LED LIMITED LAMP WARRANTY. For guidance regarding proper installation, please see above under "Surface Mount Installation Guidelines".
- (2) ANY DAMAGE OR CRACKING DUE TO CHEMICALS OR INCOMPATIBLE CLEANERS WILL VOID THIS WARRANTY.
- (3) Grote® LED lamps are designed to work in conjunction with the Grote® ULTRA-BLUE SEAL® Wire Harness System including Grote® factory molded pigtails for use with the Grote® ULTRA-BLUE SEAL® Wire Harness System. Therefore, Grote® LED lamps have a Limited Warranty based on the following criteria:

A – Grote® SuperNova® high performance LED lamps are covered by a ten-year (10) Limited Warranty when installed with male pin, hard shell or patented double-seal pigtail connectors.

- 1) Grote® SuperNova® high performance LED lamps are covered by a three-year (3) Limited Warranty when installed with hardwire bullet connectors.

2) Grote® SuperNova® high performance LED lamps are covered by a two-year (2) Limited Warranty when installed with hardwire termination.

B – Grote® MicroNova® high performance LED lamps are covered by a three-year (3) Limited Warranty when installed with hardwire bullet connectors.

C – Grote® Hi Count® LED lamps (part numbers that begin with a G) are covered by a two-year (2) Limited Warranty.

D – Grote® WhiteLight LED lamps are covered by a three-year (3) Limited Warranty.

E – Grote Select® high value LED Stop/Tail/Turn and Back-up lamps are covered by a two-year (2) Limited Warranty. Grote Select® LED Flood Lamps are covered by a one-year (1) Limited Warranty.

F – Grote Brite Zone® LED lamps are covered by a two-year (2) Limited Warranty.

G – Grote® Warning & Hazard LEDs are covered by a two-year (2) Limited Warranty.

- 1) Any and all LED Devices powered by common household-type batteries are not covered by Grote's Limited Warranty.

H – Other Grote® LED lamps for FMVSS applications excluding SuperNova®, MicroNova®, WhiteLight and Hi Count® are covered by a two-year (2) Limited Warranty.

I – Other Grote® LED lamps (non-FMVSS) are covered by a one-year (1) Limited Warranty.

J – Grote® XTL® products are covered by a one-year (1) Limited Warranty.

LED Brand Category	Termination Style					
	Male Pin	Hard Shell	Female Pin	Hardwire w/ Bullet Connectors	Hardwire	Patented Double- Seal Pigtail
Grote® SuperNova®	10	10	N/A	3	2	10
Grote® MicroNova®	N/A	N/A	N/A	3	N/A	N/A
Grote® Hi Count®	N/A	N/A	2	N/A	2	N/A
Grote® WhiteLight	3	3	3	3	3	N/A
Grote Select®	N/A	N/A	2	N/A	1	2
Grote® XTL®	N/A	1	N/A	1	1	N/A
Grote® Brite Zone®	N/A	N/A	N/A	N/A	2	N/A
Grote® Warning & Hazard LEDs	2	N/A	N/A	2	2	N/A
Grote® LEDs (FMVSS)	2	N/A	2	2	2	N/A
Grote® LEDs (non-FMVSS)	N/A	N/A	N/A	1	1	N/A

N/A - Not Available or None

Number represents the years of warranty from manufacture date

QUALITY SYSTEMS:

Product within the catalog may be manufactured under various quality system certifications. If a customer requires particular quality certifications on specific products, they may contact Grote® Industries for detailed information.

END USER RESPONSIBILITY:

Each user bears full responsibility for making their own determination as to the suitability of Grote® materials, products, recommendations, or advice for their own particular use. Each user is ultimately responsible to identify and perform tests and analyses necessary to assure that its finished parts incorporating Grote® products will be safe and suitable for use under end-user conditions. Nothing in this or any other document, nor any oral recommendation or advice, shall be deemed to alter, vary, supersede, or waive any provision of this Limited Warranty or this Disclaimer, unless any such modification is specifically agreed to in writing signed by a Grote® Industries Representative.

Grote®

**United States: 2600 Lanier Drive • Madison, Indiana 47250
Phone: 800-628-0809 / 812-273-1296 • Fax: 812-265-8440**

**Canada: 230 Travail Road • Markham, Ontario L3S 3J1
Phone: 800-268-5612 / 905-209-9744 • Fax: 800-267-9024**