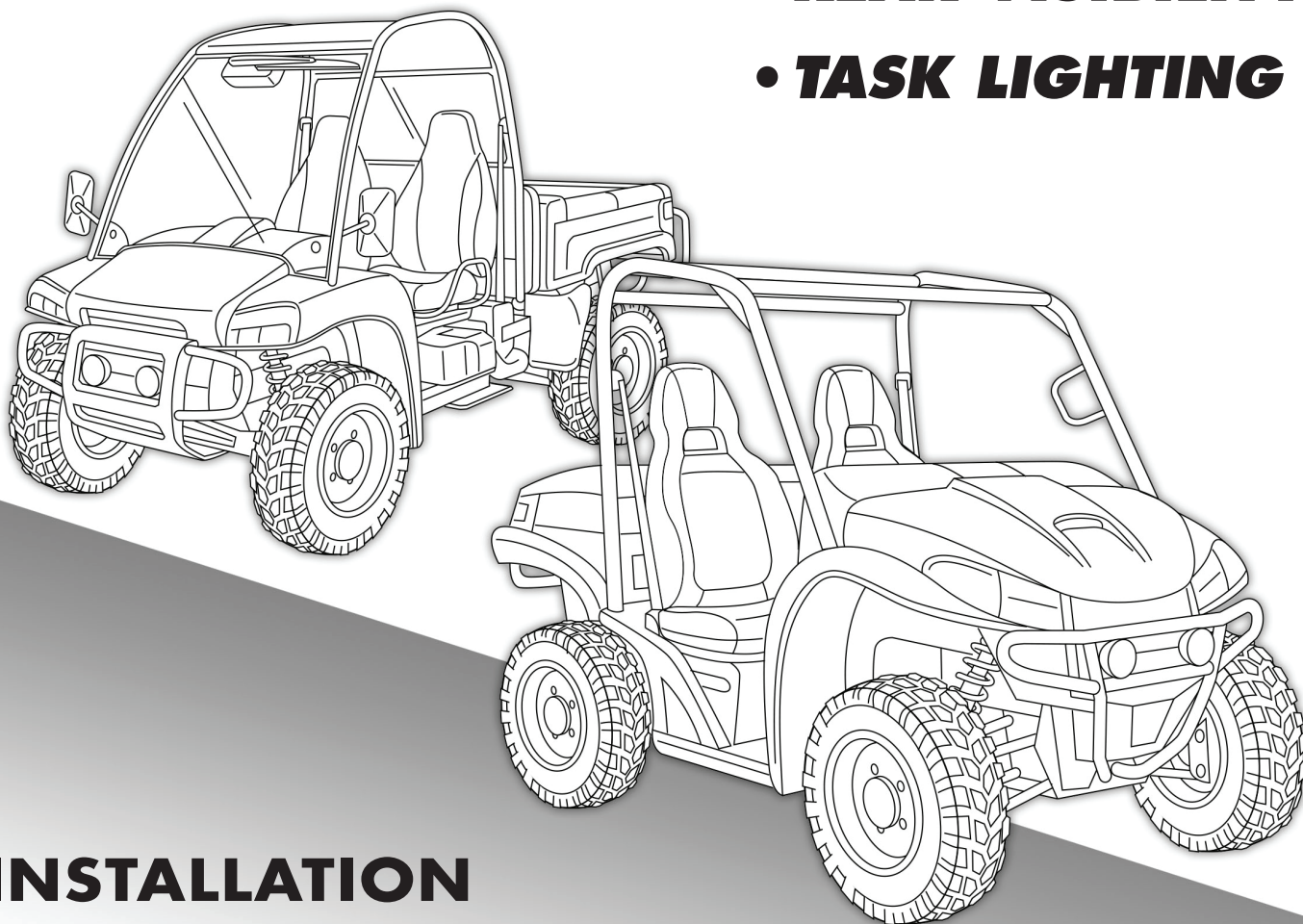


Grote®

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

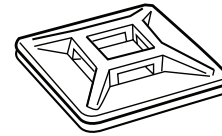
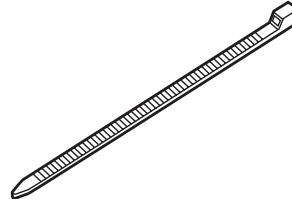
INTERIOR TASK LIGHTING 9



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!

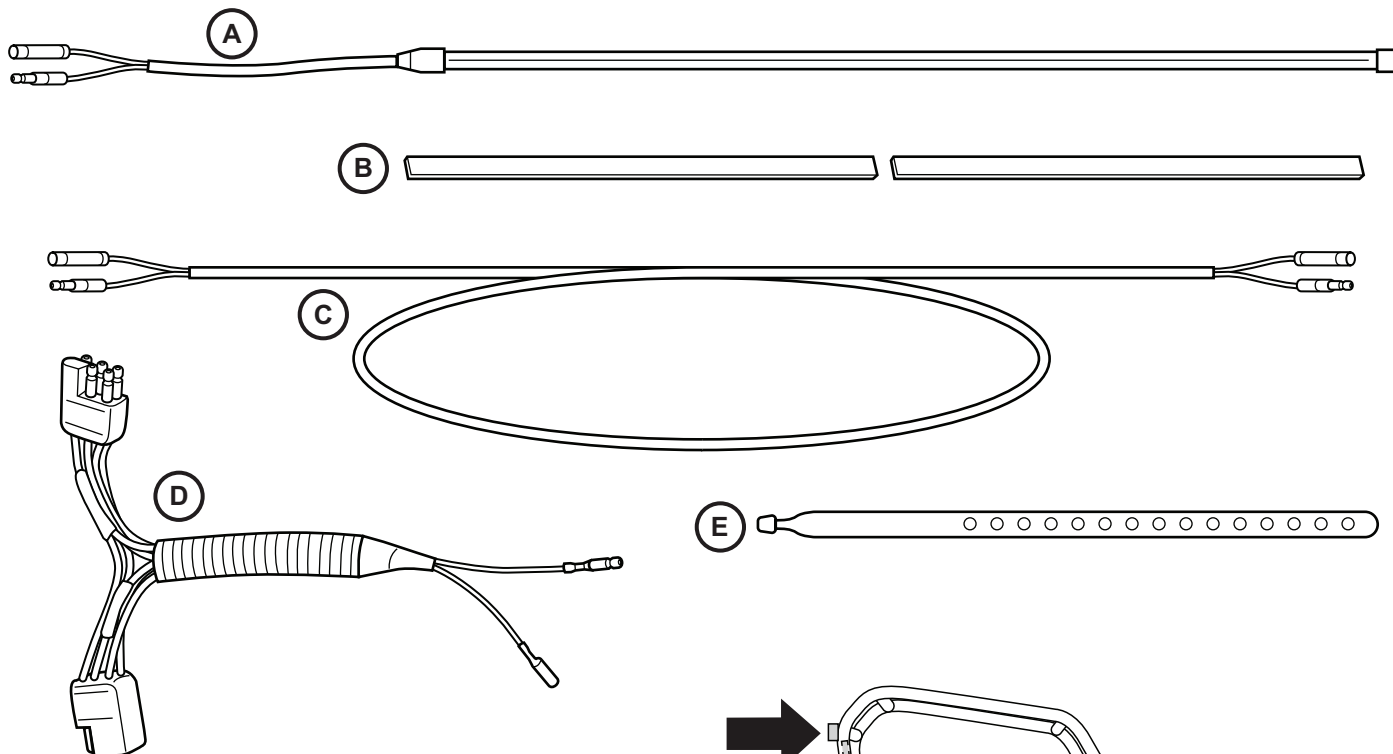


AVOID HOT EXHAUST COMPONENTS!



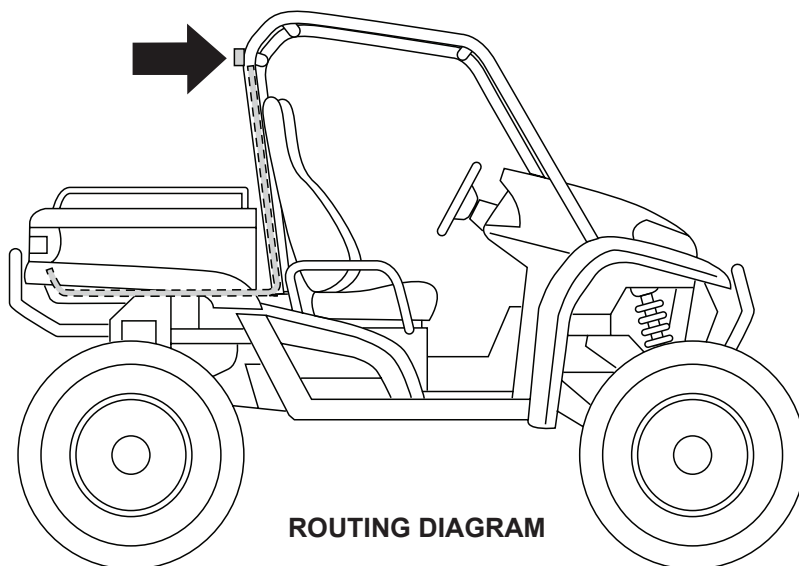
CLEAN MOUNTING SURFACES

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



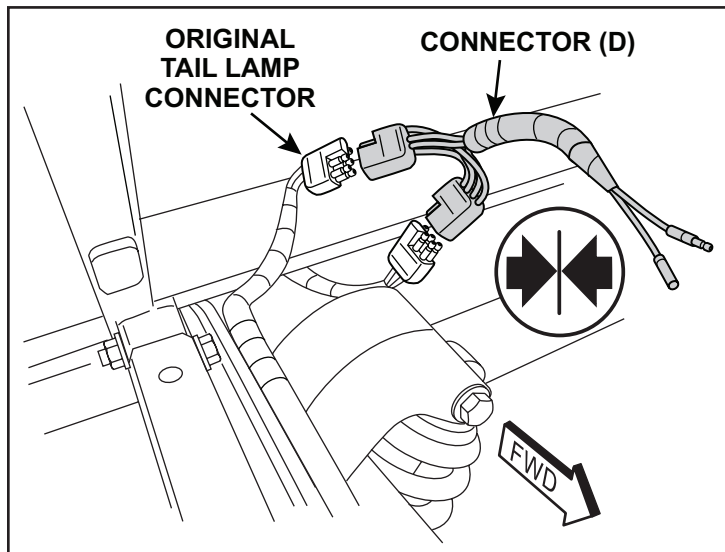
ROUTING DIAGRAM

REAR VISIBILITY LIGHTING

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

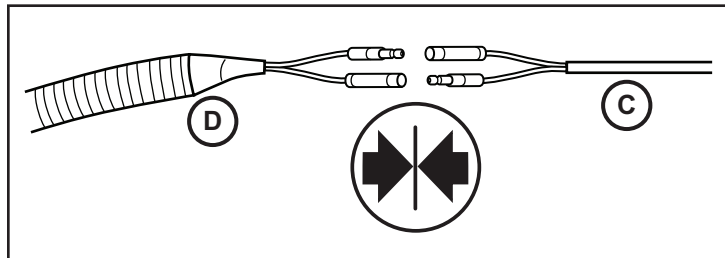
Lighting kit will draw power and activation from the tail lamp connections.

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.

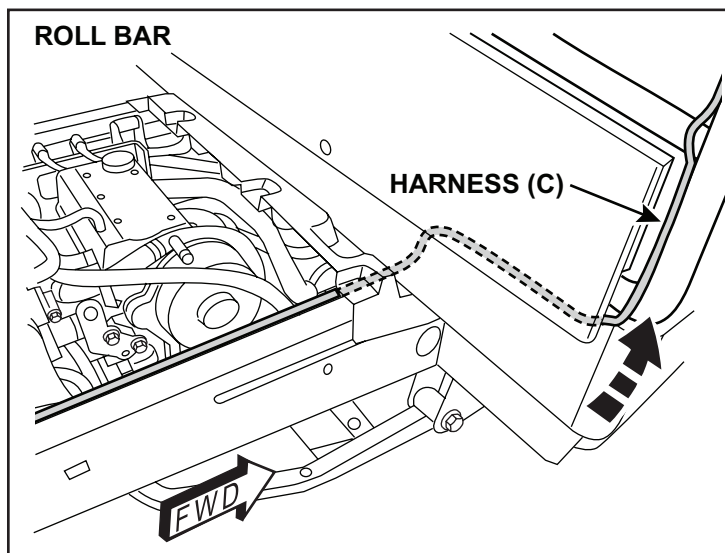
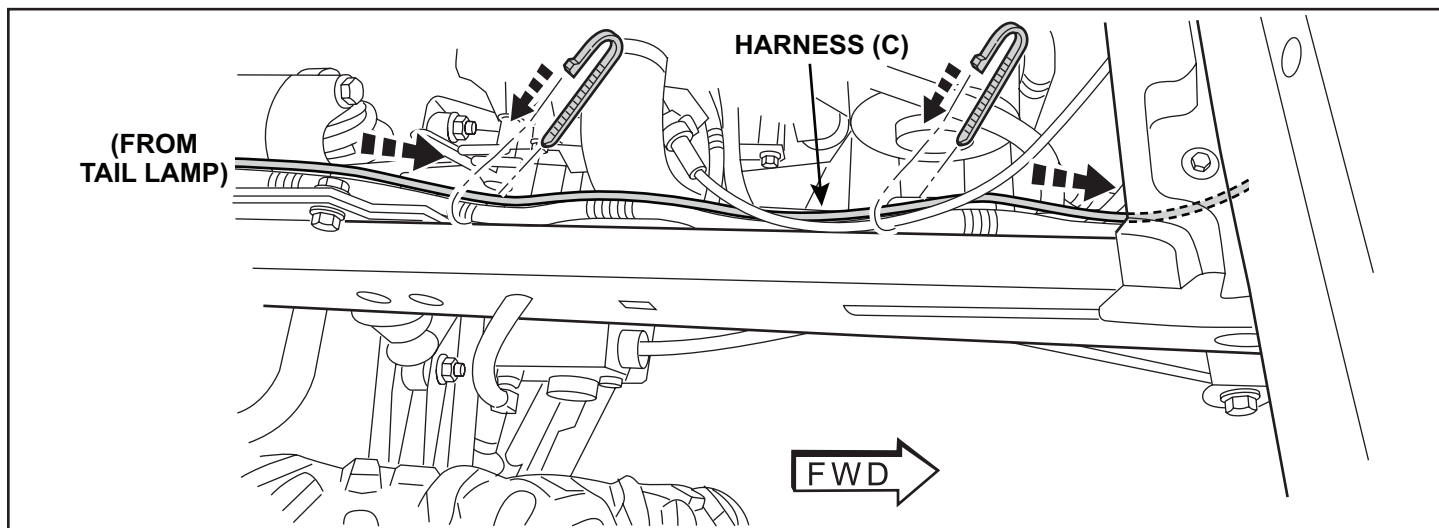


4. Connect end of harness (C) to Lamp Connector (D).
5. Secure Connector (D) to vehicle with straps (E) or cable ties.



REAR VISIBILITY LIGHTING

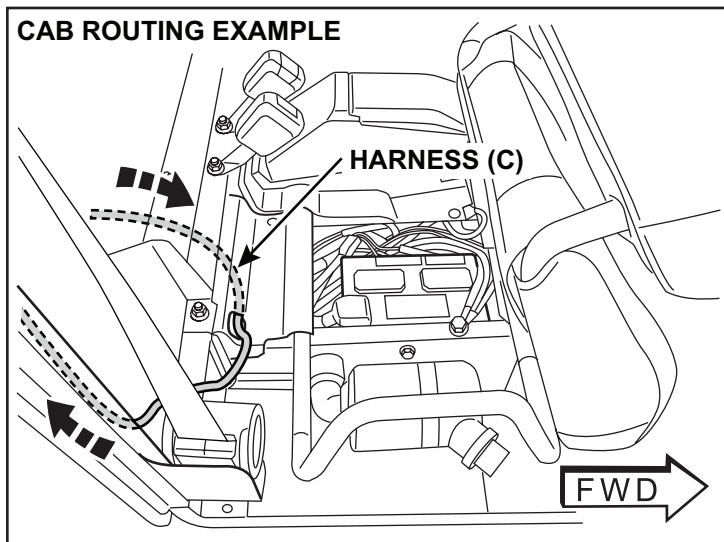
6. Route harness (C) forward along vehicle chassis. Secure to existing harnesses as needed using straps (E) or cable ties.



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.

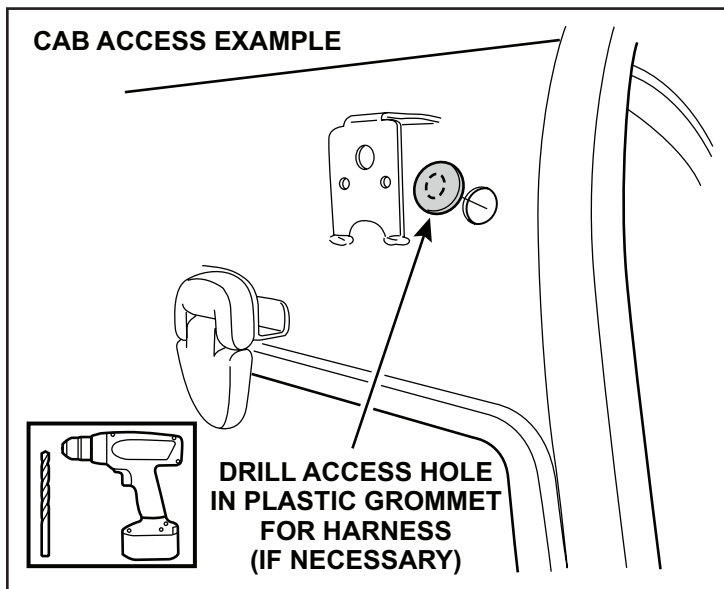
REAR VISIBILITY LIGHTING

CAB ROUTING EXAMPLE



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

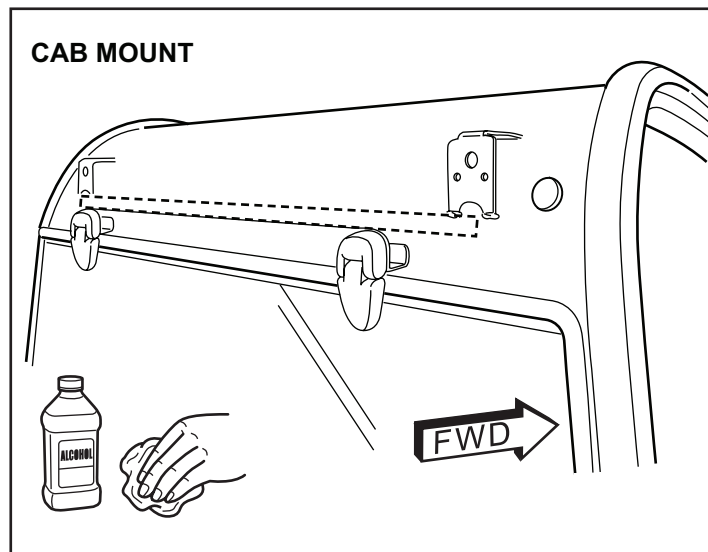
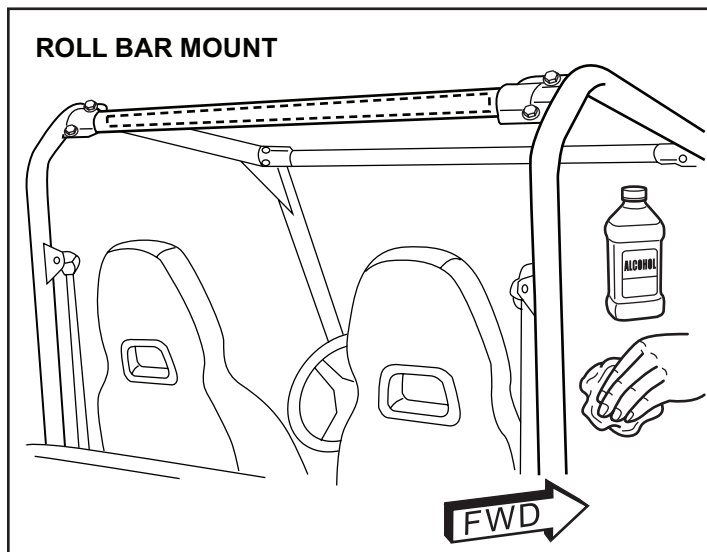
CAB ACCESS EXAMPLE



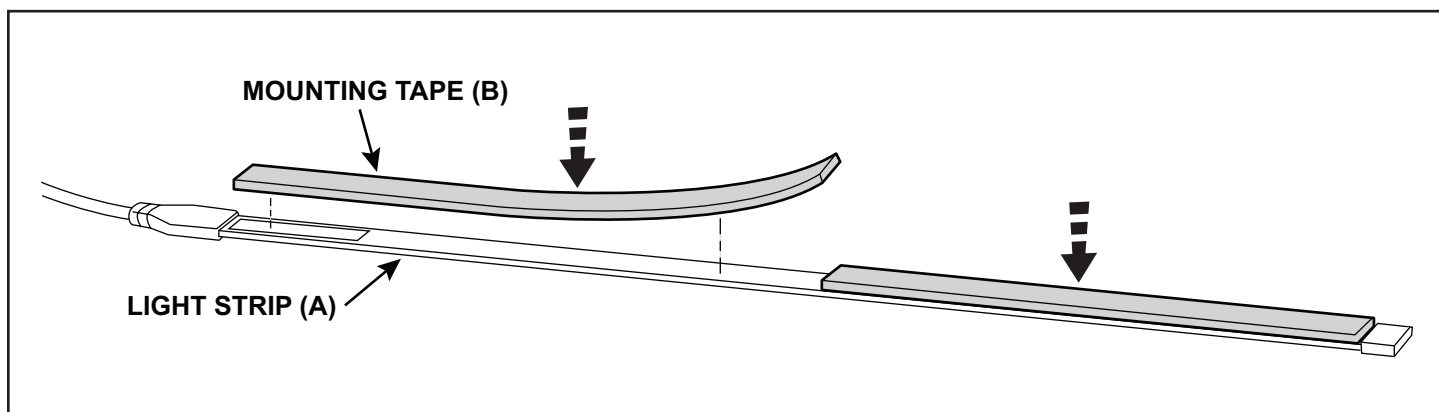
9. Determine an access point for the harness to pass back outside to be connected to the light strip.

REAR VISIBILITY LIGHTING

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

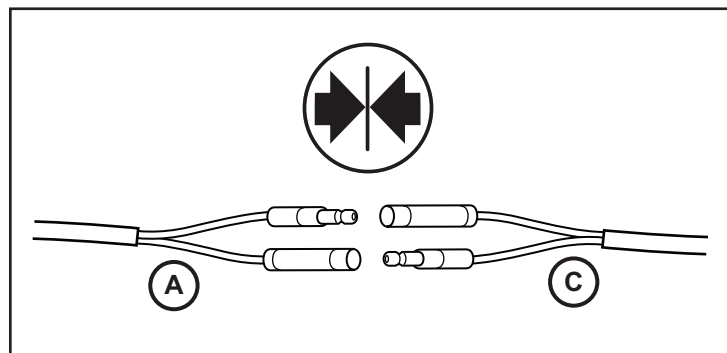
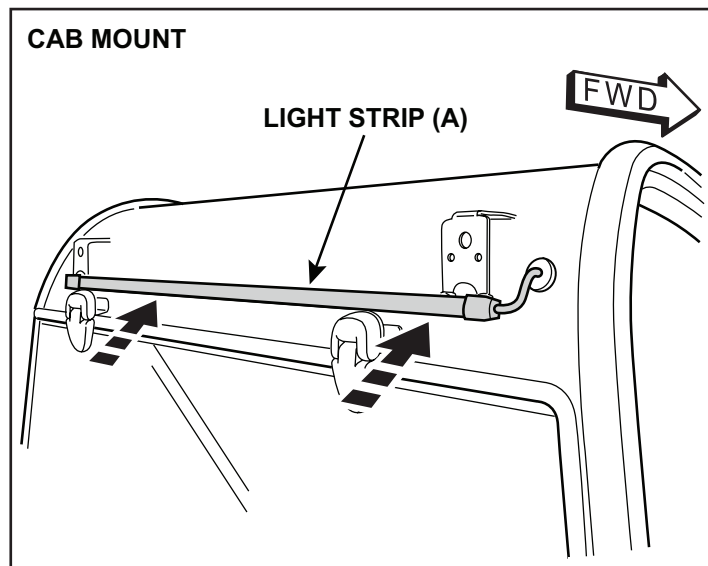
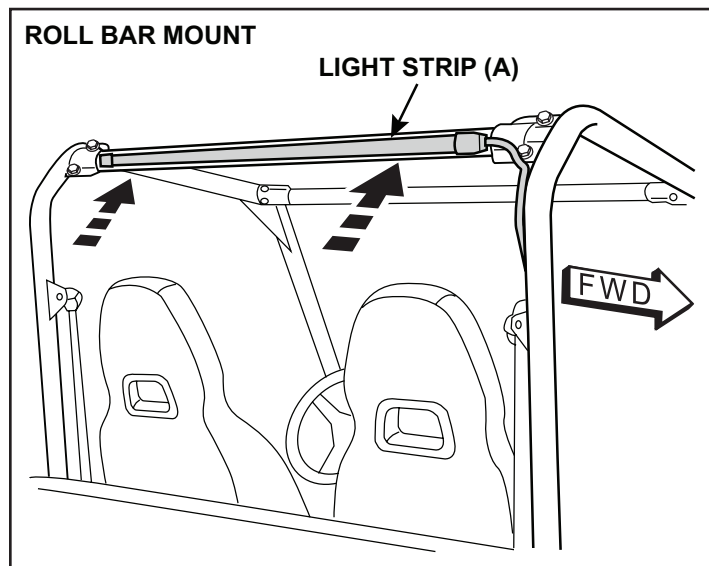


11. Peel away the adhesive covering on one side of the adhesive strips (B). Apply the adhesive strips to the bottom of the full length of the light strip (A).



REAR VISIBILITY LIGHTING

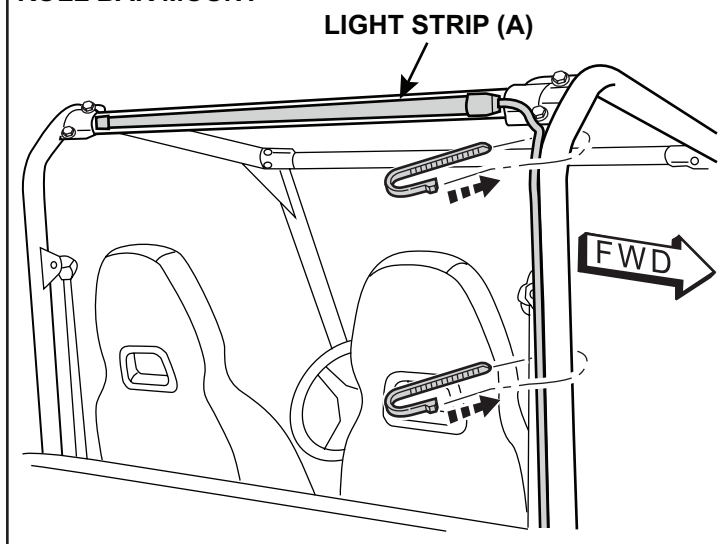
12. Peel away the adhesive covering on remaining side of the adhesive strips (B). Press the Light Strip into place and apply firm pressure (15 PSI) across the adhesive for 10-15 seconds. Additional tie straps can be used to secure the strip in place if desired.



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

REAR VISIBILITY LIGHTING

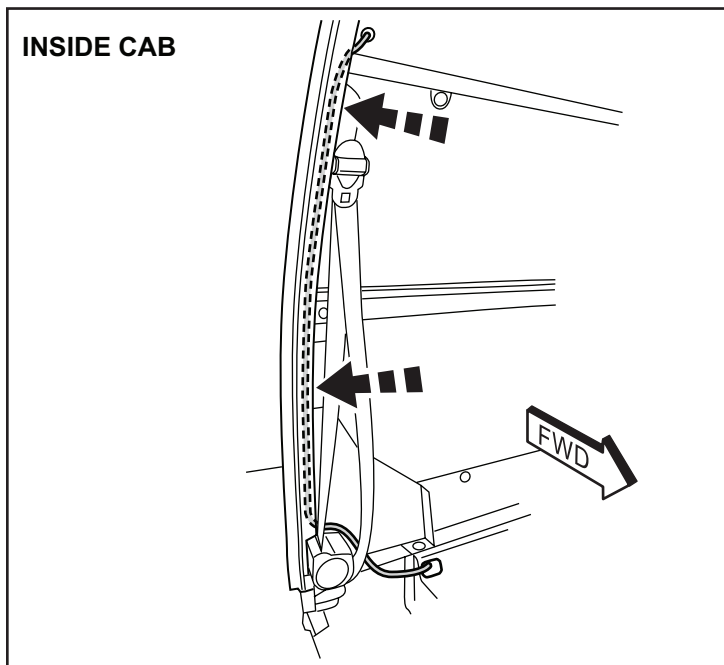
ROLL BAR MOUNT



14. 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



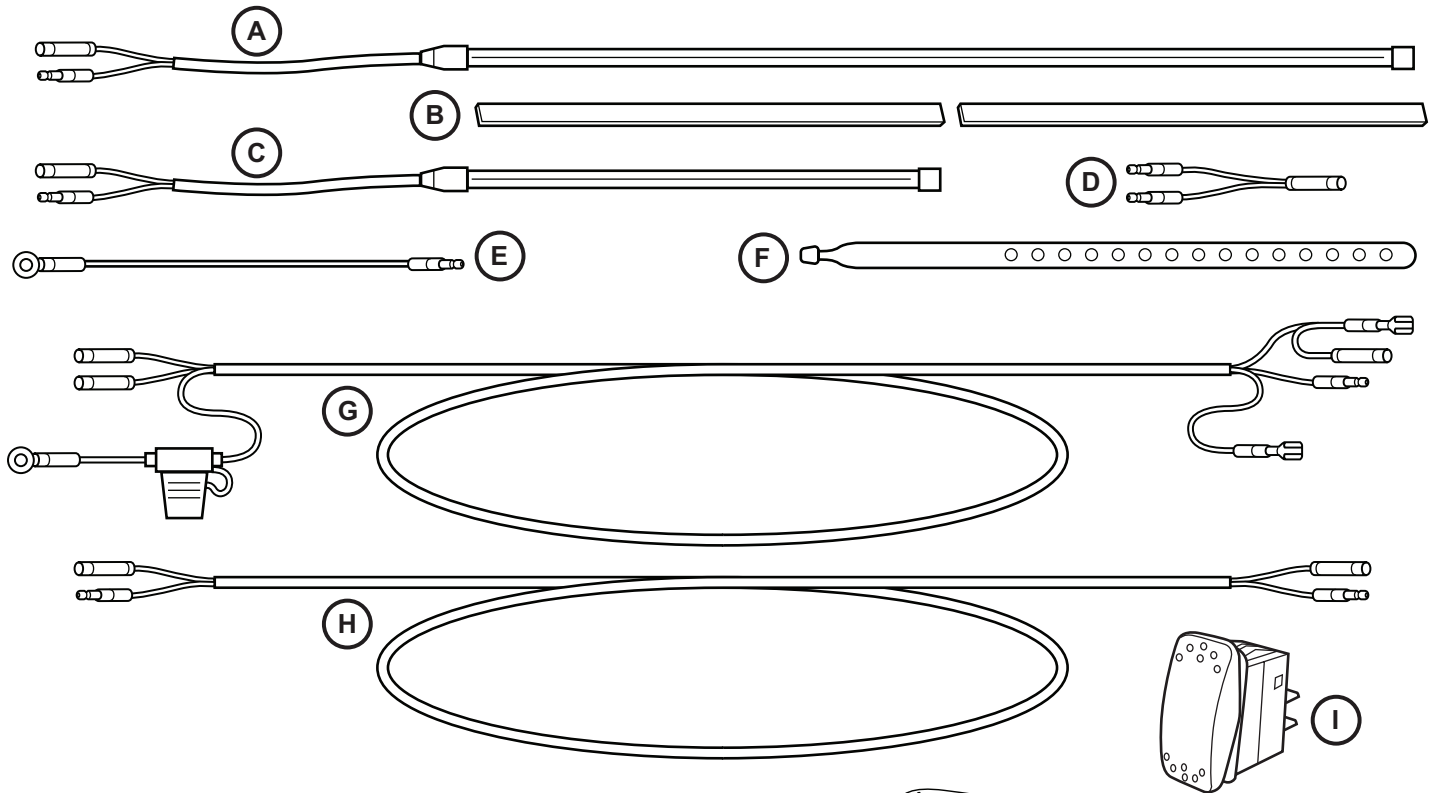
15. Test that Light Strip is functioning properly.

16. Check all wiring and connections.

17. Trim all excess from cable ties.

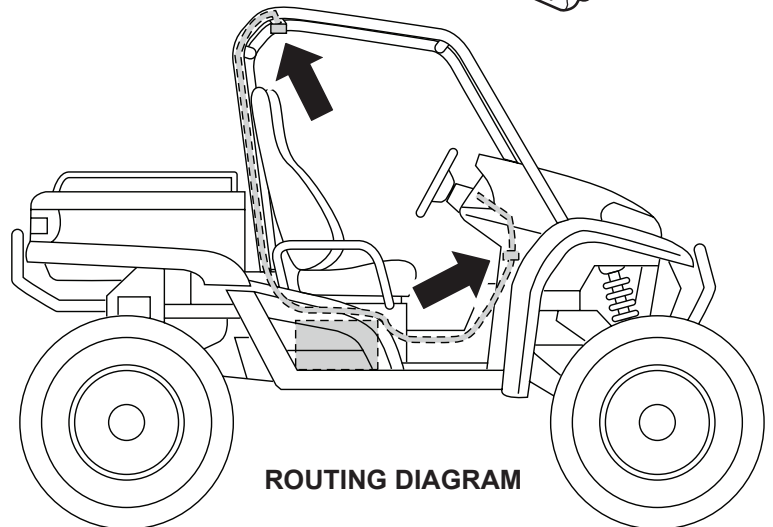
NOTES

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**

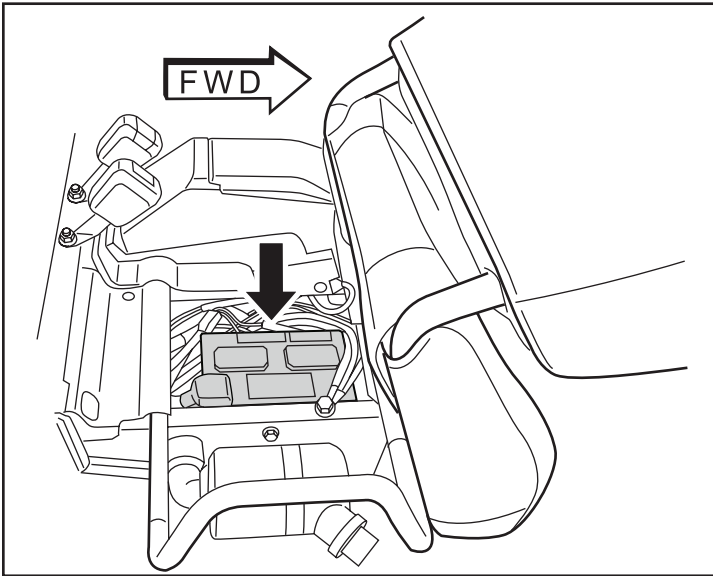


ROUTING DIAGRAM

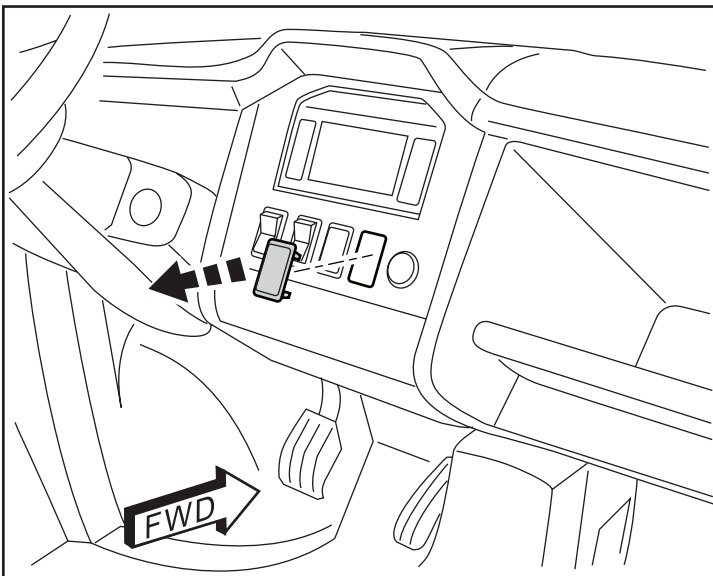
INTERIOR TASK LIGHTING

Lighting kit will draw power from the battery.

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



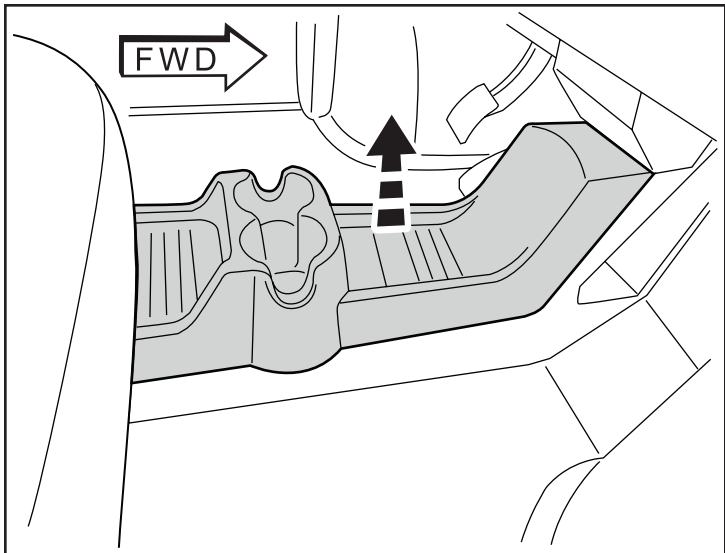
1. Locate the battery.



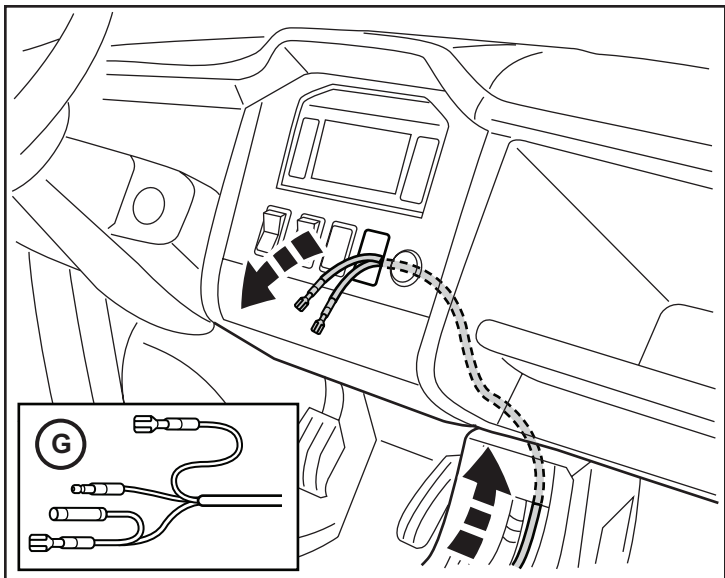
2. New switch will be installed at dash – locate a mounting hole(s) at switch panel.

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

INTERIOR TASK LIGHTING

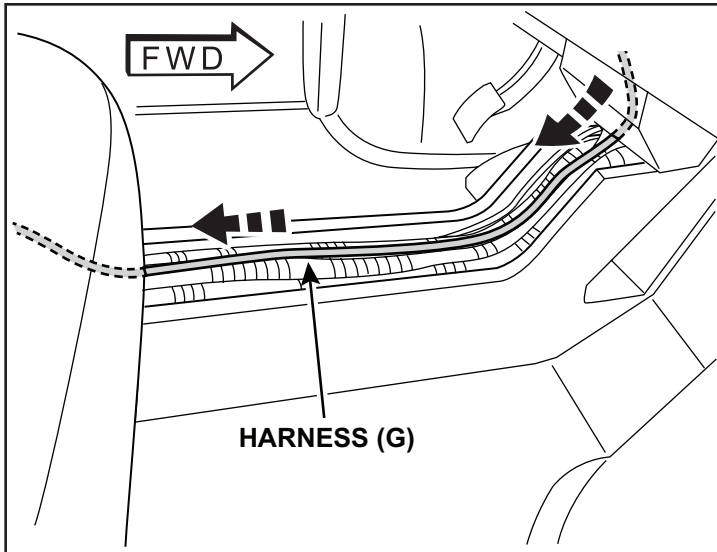


4. Remove center console panel.

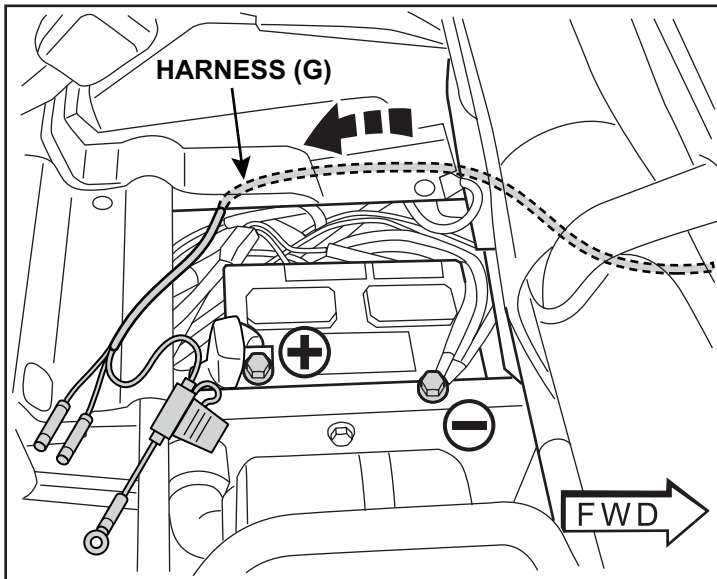


5. Route switch connector end of harness (G) up under dash and out switch opening.

INTERIOR TASK LIGHTING



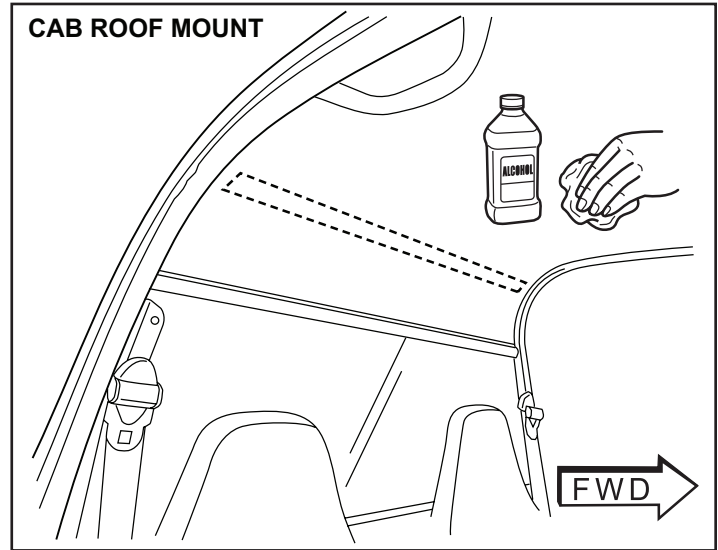
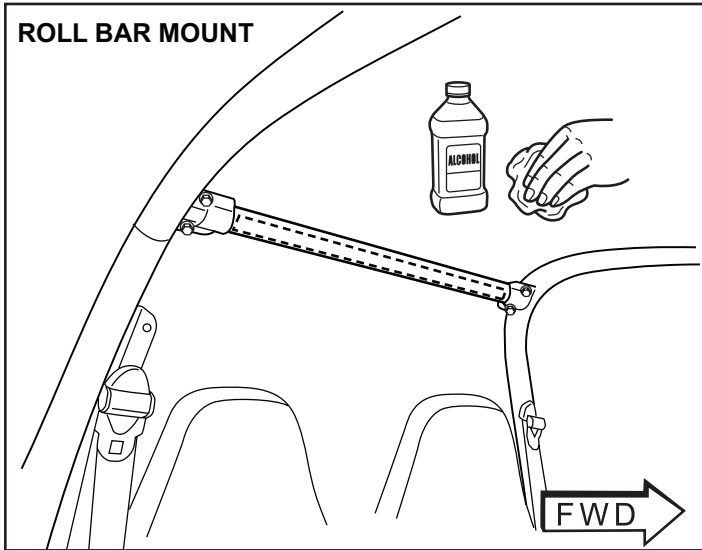
6. Route harness (G) back towards battery.



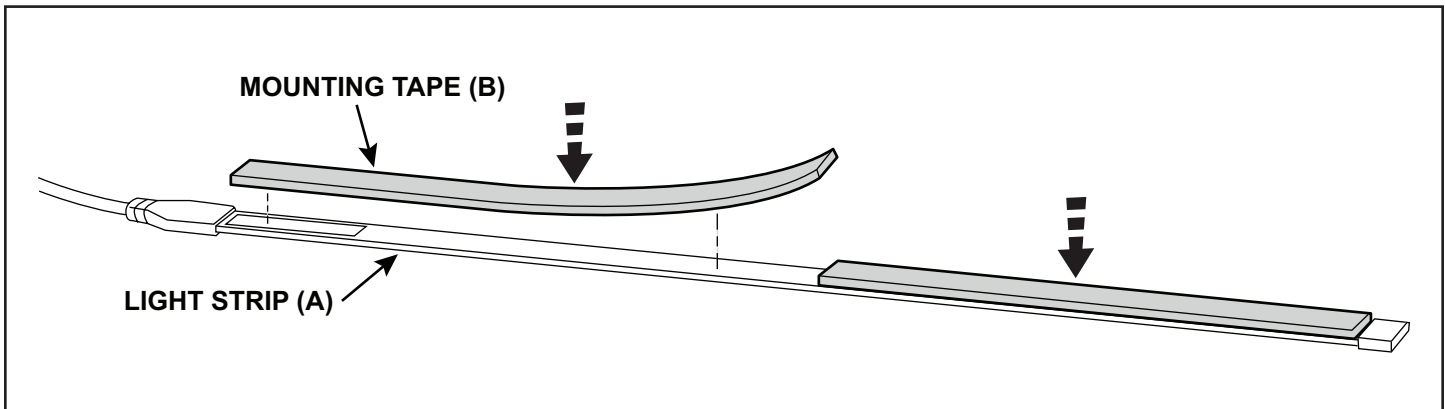
7. Route fuse end of Harness (G) out at battery compartment.

INTERIOR TASK LIGHTING

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

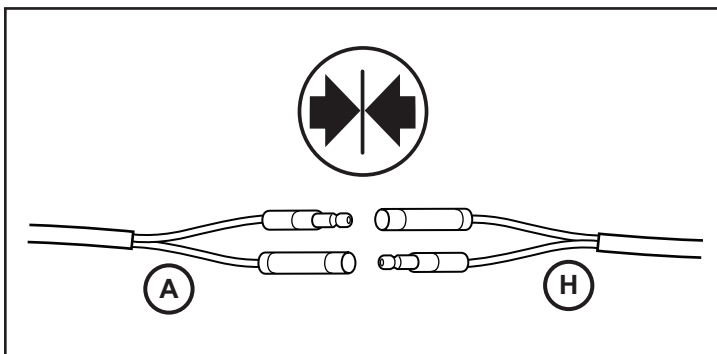
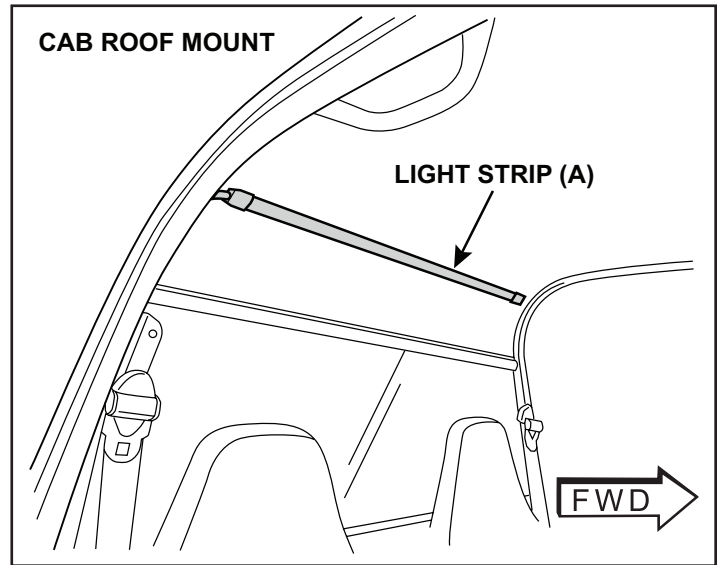
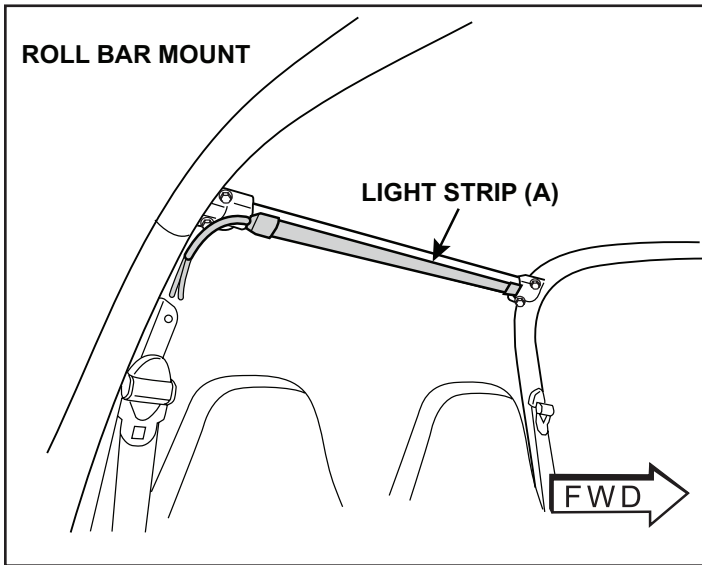


9. Peel away the adhesive covering on one side of the adhesive strips (B). Apply the adhesive strips to the bottom of the full length of the light strip (A).



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.

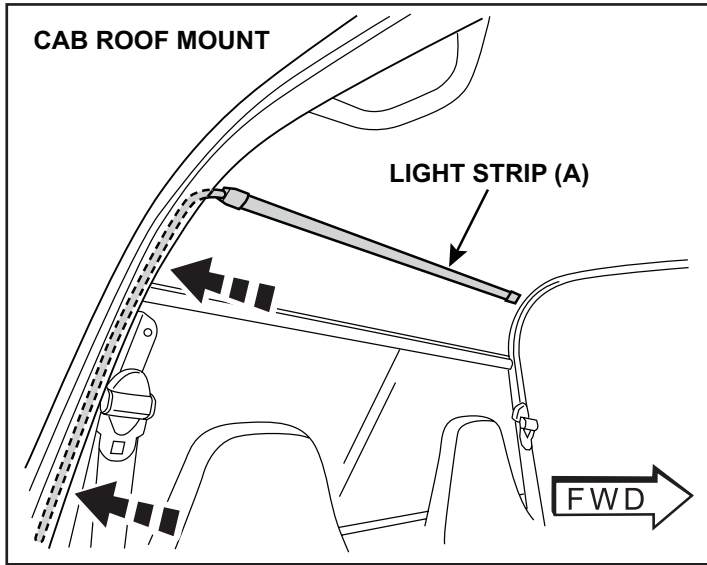
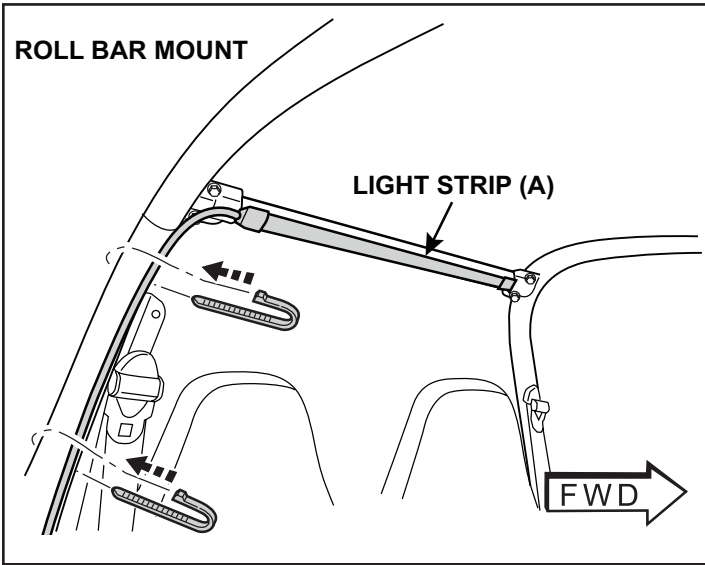


11. Connect Harness (H) to Light Strip (A).

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.

BATTERY CONNECTION DIAGRAM

(TO DASH SWITCH)

(TO TOP LIGHT STRIP)

BATTERY

(G)

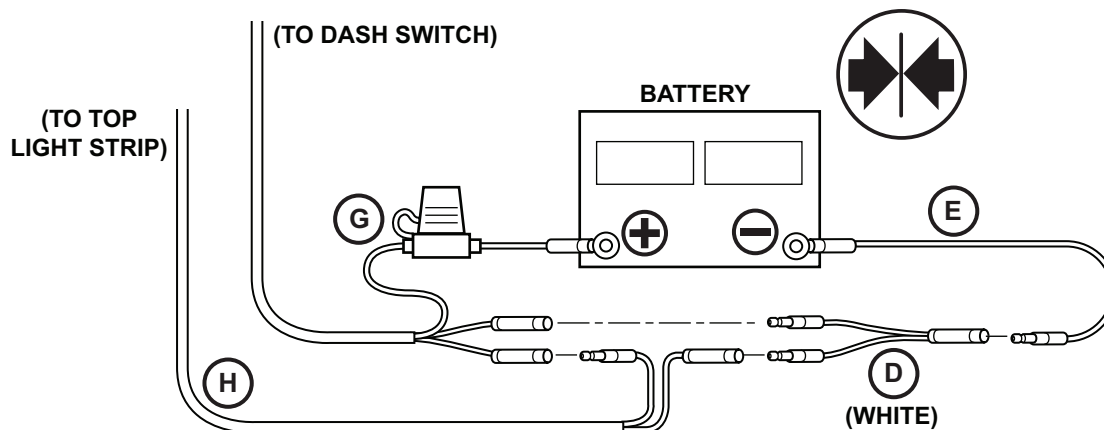
(E)

(H)

(D) (WHITE)

(F)

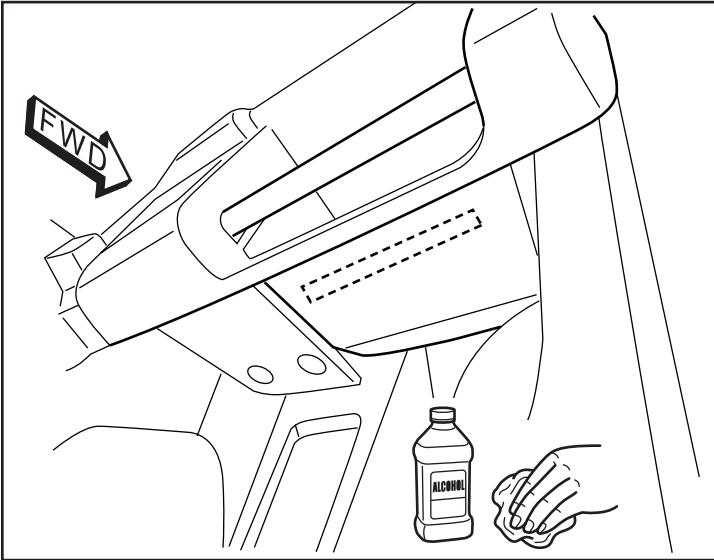
(I)



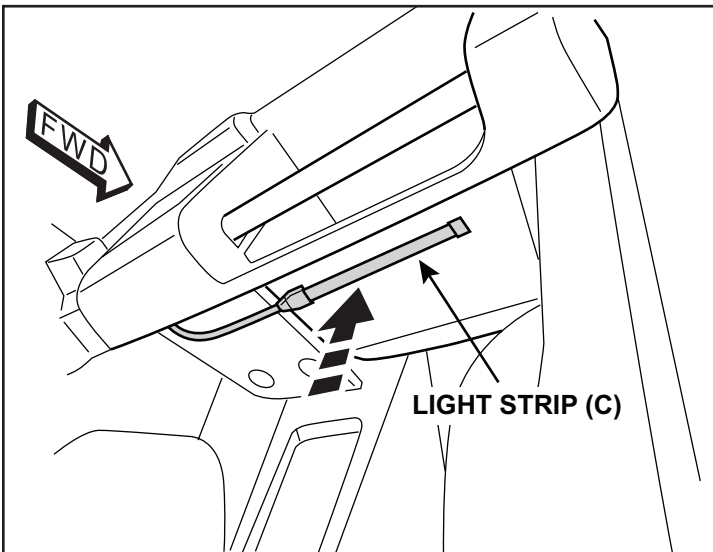
INTERIOR TASK LIGHTING

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.

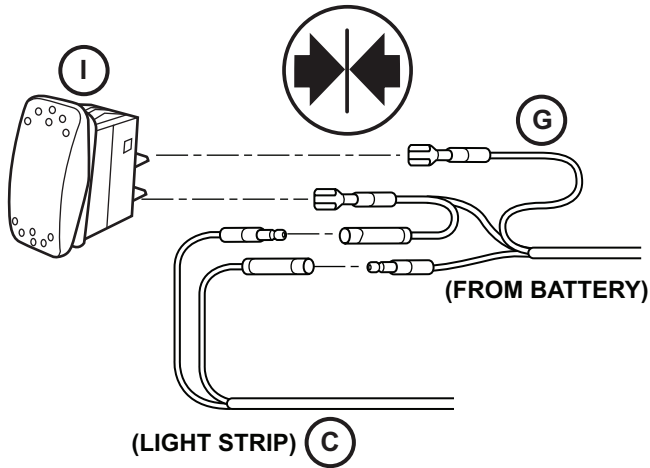


15. Peel away the adhesive covering on one side of the adhesive strip (B) similar to Step 9. Apply the adhesive strips to the bottom of the full length of the light strip (C).
16. Peel away the adhesive covering on remaining side of the adhesive strips (B). Press Light Strip (C) into place and apply 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.

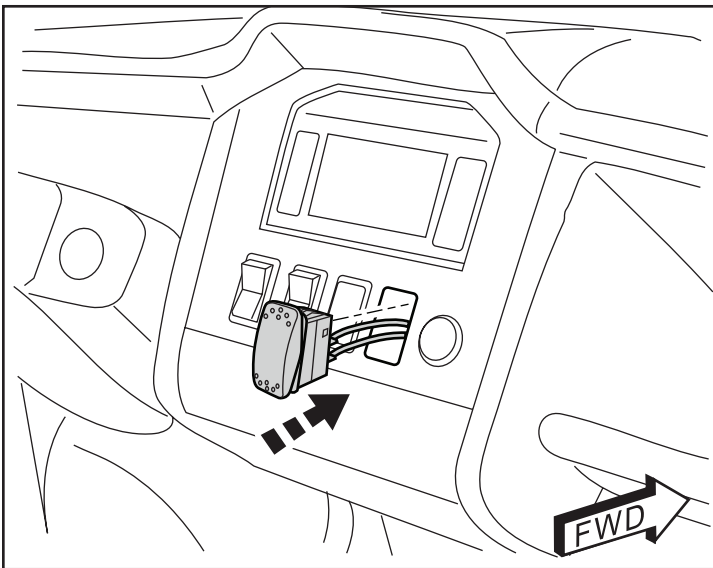
20. Secure harness along center console with cable ties.

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

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Limited Warranty

Grote Industries, Inc. ("Grote") warrants its products to be free from defects in material and workmanship under normal use and service as set forth in this Limited Warranty. THIS LIMITED WARRANTY is the final, complete and exclusive expression of warranty to the purchaser and cannot be modified except in writing signed by an authorized officer of Grote.

LED Five-Year Limited Warranty

Subject to the following conditions, Grote warrants to the original purchaser only (and not to anyone else) of each new LED product sold by Grote that any part thereof which proves to be defective in material or workmanship within five years from the date of manufacture will, at Grote's option, be repaired or replaced without charge upon return to Grote of the defective product, provided any defect in the product is brought to the attention of Grote within the warranty period, who alone will be authorized to furnish or arrange for repairs or replacements within the terms of this limited warranty.

The above limited warranty does not apply, and no warranty, either expressed or implied, shall be applicable (a) to damage resulting from accident, alteration, misuse or abuse; (b) if the product is not installed, operated and maintained according to procedures recommended by Grote; (c) if the serial number, date code, or other identifying marks affixed to the product by Grote are removed, obliterated or defaced. In no case shall the warranty be extended to defects in materials, components (which includes but not limited to bulbs), or services furnished by third parties nor to the installation of the product performed by third parties, except those performed by or on behalf of Grote authorized distributors. If any repairs are made, or any other parts are replaced during the warranty period, by any distributor other than a Grote distributor, in accordance with service manuals, parts, accessories, or attachments other than authorized by Grote for use in Grote's products, the purchaser shall pay for such repairs or parts without recourse against Grote, and Grote shall be relieved of responsibility for fulfillment of the warranty with respect to parts or components of all repairs, alterations, or replacements so made.

IN CONSIDERATION OF THE EXPRESS WARRANTY AND OTHER TERMS HEREIN CONTAINED, THE PURCHASER AGREES THAT PURCHASER'S EXCLUSIVE REMEDY AND GROTE'S SOLE LIABILITY ON ANY CLAIM, WHETHER IN TORT, CONTRACT OR WARRANTY, SHALL BE LIMITED TO, AT GROTE'S OPTION, REPAIR OR REPLACEMENT OF A DEFECTIVE PRODUCT. NO OTHER REMEDY (INCLUDING BUT NOT LIMITED TO INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR THE LOST PROFITS, LOST SALES, INJURY TO PERSON OR PROPERTY; OR ANY OTHER INCIDENTAL LOSS OR DAMAGES) SHALL BE AVAILABLE TO PURCHASER. IN NO EVENT, AND FOR NO CAUSE WHATSOEVER, INCLUDING ANY BREACH OR DEFAULT BY GROTE, SHALL GROTE HAVE ANY MONETARY LIABILITY TO PURCHASER IN EXCESS OF THE PRICE PAID BY PURCHASER FOR THE PRODUCT IN QUESTION.

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Any affirmation of fact or promise made by Grote shall not be deemed to create an expressed warranty that the products shall conform to the affirmation or promise. Any description of the product is for the sole purpose of identifying such product and shall not be deemed to create an express warranty that the product shall conform to the description. Any sample or product model is for illustrative purposes only and shall not be deemed to create an express warranty that the whole of the products shall conform to the sample or model. Further, no affirmation or promise, or description, sample or model shall be deemed a part of the basis of the bargain between Grote and the purchaser.

Grote assumes no responsibility that title conveyed to the purchaser is good or the transfer of title to the products is rightful, or that the products shall be delivered free from any security interest or other lien or encumbrance of any third party, or free from any rightful claim of any third party by way of infringement or otherwise.

Non-Transferable

THIS WARRANTY SHALL EXTEND ONLY TO THE ORIGINAL PURCHASER AND IS NON-TRANSFERABLE.

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.

Warranty Return and Replacement Instructions

To be eligible for limited warranty consideration, either contact your Grote sales representative or call Grote customer service at 800.628.0809 (In Canada call 800.268.5612). Upon issuance of a returned goods authorization number, return the failed product, freight prepaid to: Warranty at Grote Industries, Inc., 2600 Lanier Drive, Madison, Indiana 47250. In Canada, return product, freight prepaid to: Warranty at Grote Industries Co., 230 Travail Road, Markham, Ontario L3S 3J1. Any product covered under the terms of the respective limited warranty will be replaced directly to the original consumer / purchaser only. Items received by Grote will not be returned unless accompanied by a specific written request. The product to be returned will be those items not covered under the warranty and will be returned to sender freight collect.

Consumer Rights in Various States

This warranty gives you specific legal rights, and you may have other rights that vary from state to state. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you. Further, some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you.



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