

SINGLE LIGHT BAR HARNESS KIT



P/N 2883230

APPLICATION

Verify accessory fitment at Polaris.com.

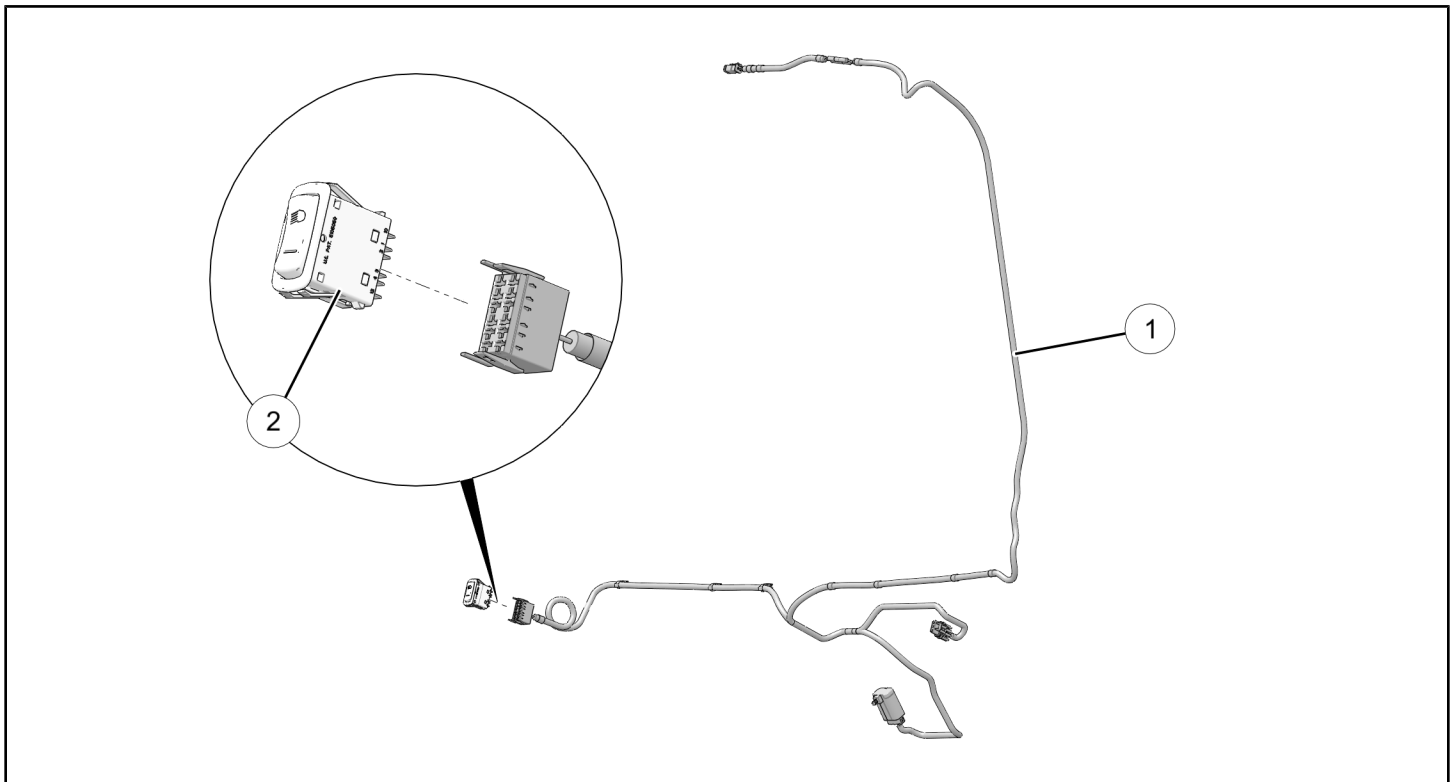
BEFORE YOU BEGIN

Read these instructions and check to be sure all parts and tools are accounted for. Please retain these installation instructions for future reference and parts ordering information.

KIT CONTENTS

This kit contains parts for installation of the Single Lightbar Harness only. Prior installation of a single light bar kit (front bumper or roof mount) is also required (sold separately).

This Kit includes:



REF	QTY	PART DESCRIPTION	PART NUMBER
1	1	Harness, Light Bar	2414090
2	1	Switch	4017131
3	7	Clip, Edge (not shown)	-
4	4	Cable Tie (not shown)	7080492
	1	Instructions	9928386

TOOLS REQUIRED

- Safety Glasses
- Cutting Tool
- Drill
- Drill Bit: 1/4 inch (6 mm)
- Pliers, Push Pin Rivet
- Push Dart (Panel Clip) Tool
- Screwdriver Set, Torx®
- Wrench Set, Metric

IMPORTANT

Your Single Light Bar Harness Kit is exclusively designed for your vehicle. Please read the installation instructions thoroughly before beginning. Installation is easier if the vehicle is clean and free of debris. For your safety, and to ensure a satisfactory installation, perform all installation steps correctly in the sequence shown.

ASSEMBLY TIME

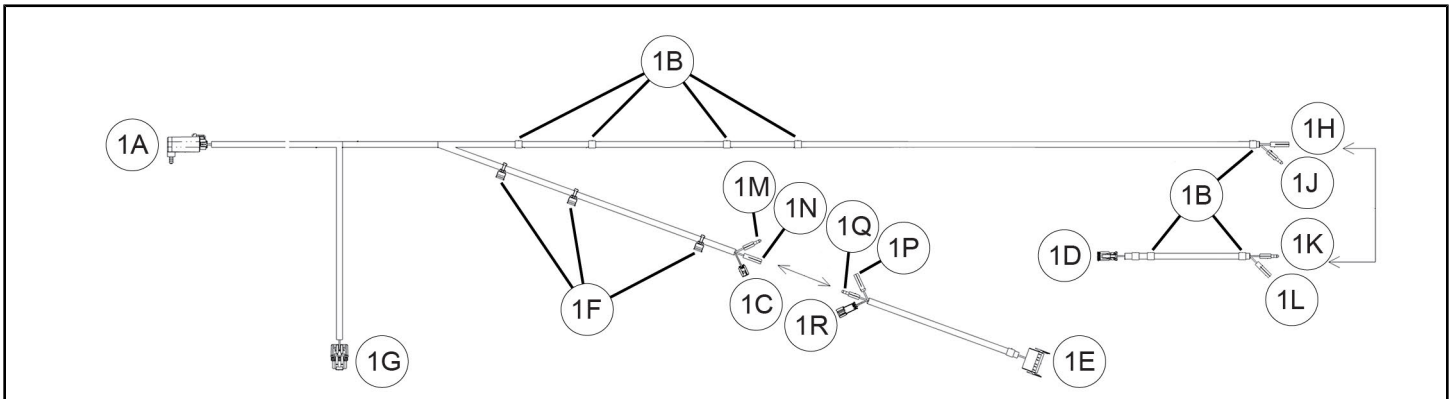
Approximately 30–90 minutes

NOTE

Time dependent on specific installation option chosen and accommodation of other accessories.

HARNESS DETAIL

LIGHT BAR HARNESS ①:



REF	PART DESCRIPTION	WIRE COLOR	PIN QTY/ GENDER	CONNECTS TO
1A	Relay/Fuse Block	-	-	Vehicle structure
1B	Tape, White (7 places)	-	-	Identifies installation location for edge clips ③ or cable ties ④
1C	Connector, Light Bar Switch	-	3 female	PRE-CONNECTED to 1R
1D	Connector, Light (with label: LIGHT BAR)	-	2 female	Light bar kit (sold separately)
1E	Connector, Switch (with label: LIGHT BAR)	-	12 female	Switch ②
1F	Clip, Edge (3 places)	-	-	Vehicle structure
1G	Connector, Terminal Block	-	3 female	Vehicle terminal block
1H	Connector, Bullet, Light Bar B+	Red	1 female	PRE-CONNECTED to 1K
1J	Connector, Bullet, Light Bar Ground	Brown	1 male	PRE-CONNECTED to 1L
1K	Connector, Bullet, Light Bar B+	Red	1 male	PRE-CONNECTED to 1H

REF	PART DESCRIPTION	WIRE COLOR	PIN QTY/ GENDER	CONNECTS TO
1L	Connector, Bullet, Light Bar Ground	Brown	1 female	PRE-CONNECTED to 1J
1M	Connector, Bullet, Switch B+	Red	1 male	PRE-CONNECTED to 1P
1N	Connector, Bullet, Switch Ground	Brown	1 female	PRE-CONNECTED to 1Q
1P	Connector, Bullet, Switch B+	Red	1 female	PRE-CONNECTED to 1M
1Q	Connector, Bullet, Switch Ground	Brown	1 male	PRE-CONNECTED to 1N
1R	Connector, Light Bar Switch	-	3 male	PRE-CONNECTED to 1C

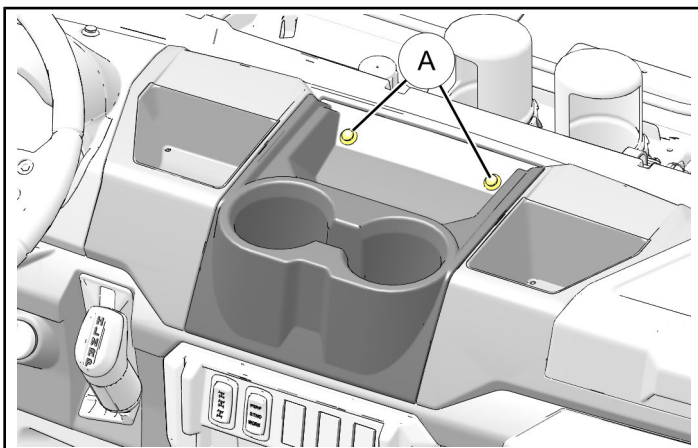
INSTALLATION INSTRUCTIONS

Two options exist for installation of this light bar harness:

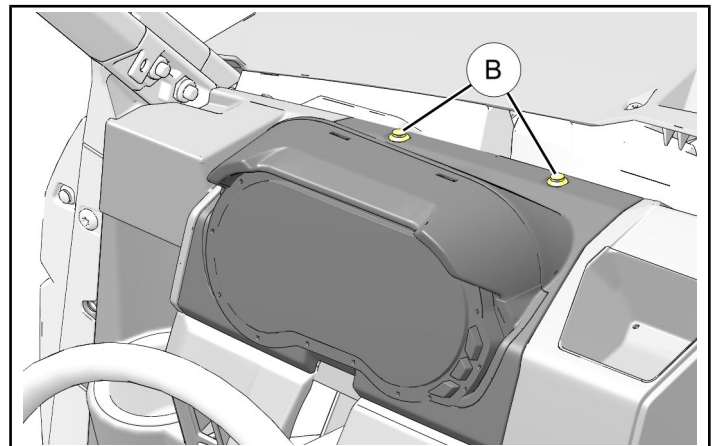
- If light bar will be mounted to front bumper, then go to section **BUMPER MOUNT**
- If light bar will be mounted to roof, then go to section **ROOF MOUNT**

BUMPER MOUNT

1. Shift vehicle transmission into "PARK". Turn ignition switch to "OFF" position and remove key.
2. Flip up passenger seat bottom, remove driver's seat and underseat storage compartment, then disconnect black negative (-) cable from battery.
3. Gain access.
 - a. Remove hood.
 - b. Remove upper dash cupholder by removing two push pin rivets (A), then slide cupholder rearward. Retain rivets.



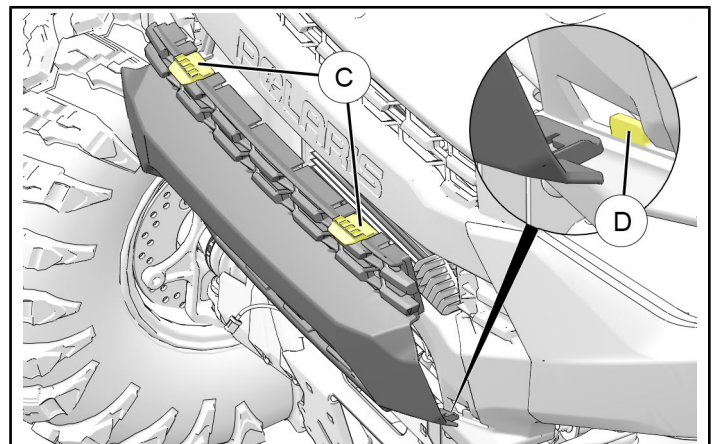
- c. Tilt steering wheel to full down position. Detach instrument cluster hood by removing two push pin rivets (B), then slide hood (with instrument cluster) rearward. Disconnect instrument cluster wiring harness. Retain rivets.



- d. Remove front grille by depressing two tabs (C) at top of grill, tip grille outward, then lift from two tabs (D).

NOTE

Front bumper and light bar not shown for clarity.



- Route switch connector 1E and all three edge clips 1F on light bar harness ① from under-hood compartment rearward through firewall grommet ⑤ into upper dash compartment.

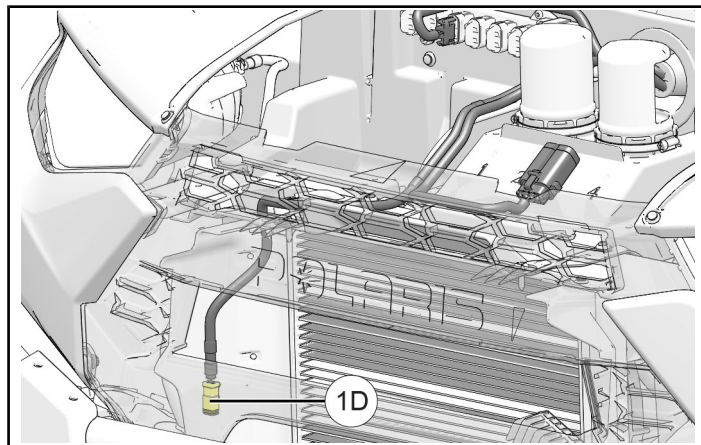
NOTE

See previous section, **HARNESSES DETAIL**, for connector identification.

NOTE

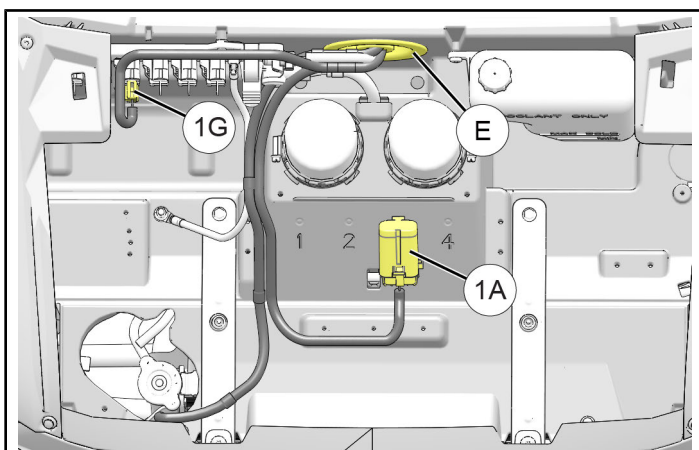
Relay/fuse block 1A, terminal block connector 1G, and light connector 1D remain on forward side of firewall.

Grommet may be temporarily removed to facilitate harness passage, or alternately, connectors 1C and 1M through 1R may be temporarily disconnected.



- Route switch connector 1E from firewall grommet ⑤ along dash support bracket towards LH side of vehicle, then downward towards switch blanks on lower LH side of steering wheel.

Ensure routing will prevent harness contact with hot components, sharp edges, or moving parts, but do NOT secure harness to vehicle at this time.



- Drill out one accessory plug (1/4 inch) on under-hood liner, forward of air intake ducts, then install relay/fuse block 1A using attached fir tree clip.

IMPORTANT

Control drill depth to prevent damage to underlying structure or components.

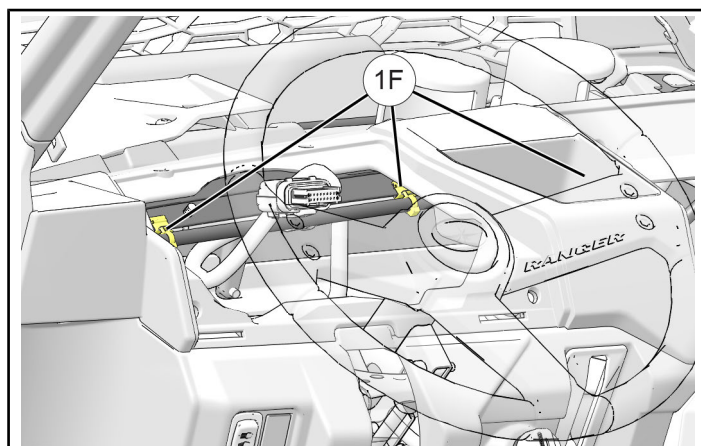
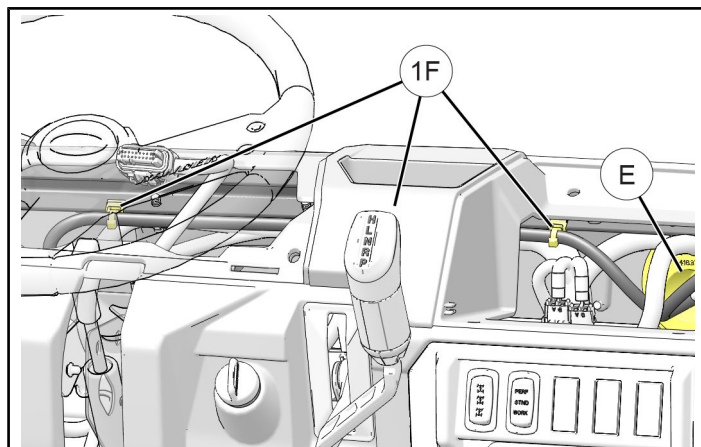
- Open power cap on vehicle terminal block at any open location, then plug in connector 1G.
- Route light connector 1D forward across under-hood liner (as shown in Step 4), down through radiator cap opening, then forward, joining connector to light bar (sold separately).

Ensure routing will prevent harness contact with hot components, sharp edges, or moving parts, but do NOT secure harness to vehicle at this time.

NOTE

Do not disconnect bullet connectors 1H, 1J, 1K, or 1L. These connectors are not used in this installation.

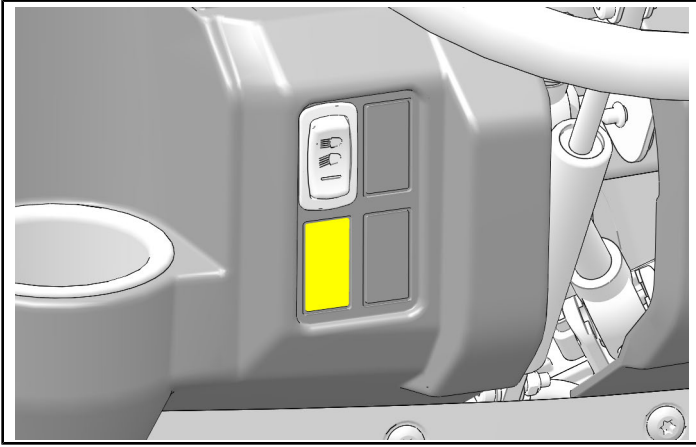
Front fascia shown partially transparent for clarity.



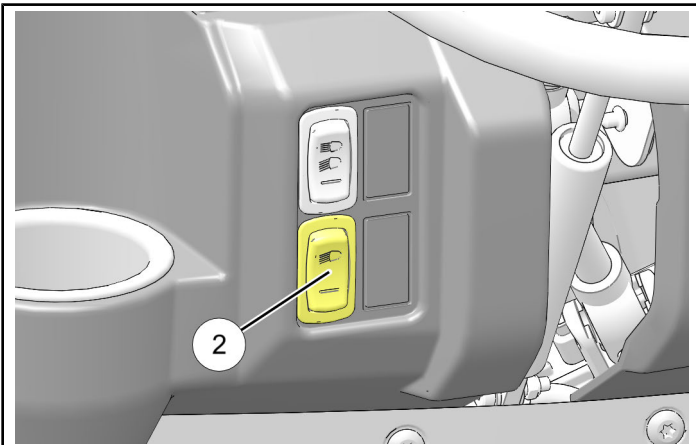
- Carefully cut out one rectangular switch blank from main dash panel.

NOTE

Any open location may be used.



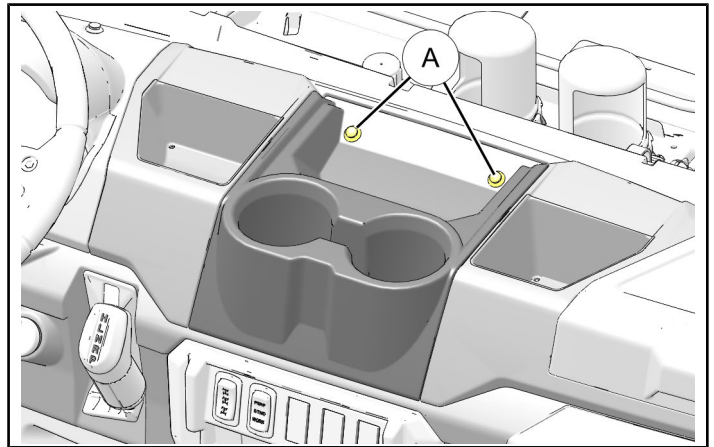
- Route connector 1E out of switch opening, join to switch ②, then install switch into opening.



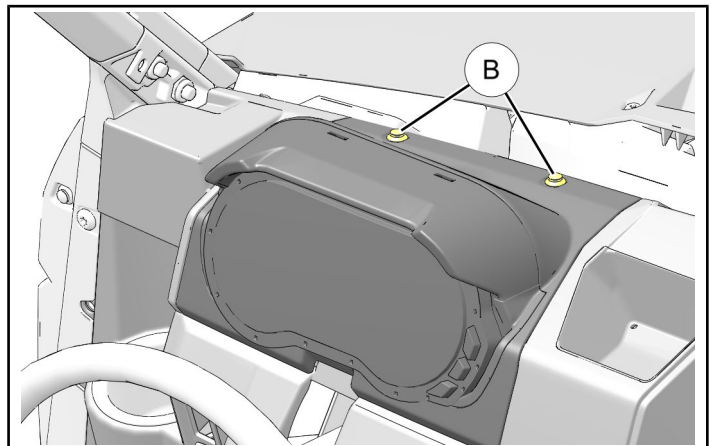
- Secure switch connector branch of harness ① to front dash bracket using three edge clips 1F (see Step 8 for illustrations).
- Secure light bar connector branch of harness ① to vehicle structure using edge clips ③ and/or cable ties ④ (as necessary).
Ensure routing will prevent contact with hot components, sharp edges, or moving parts. Coil and secure any excess harness length in under-hood compartment.
- Restore access.
- Reconnect black negative (-) cable to battery, then reinstall under-seat storage compartment and driver's seat.

ROOF MOUNT

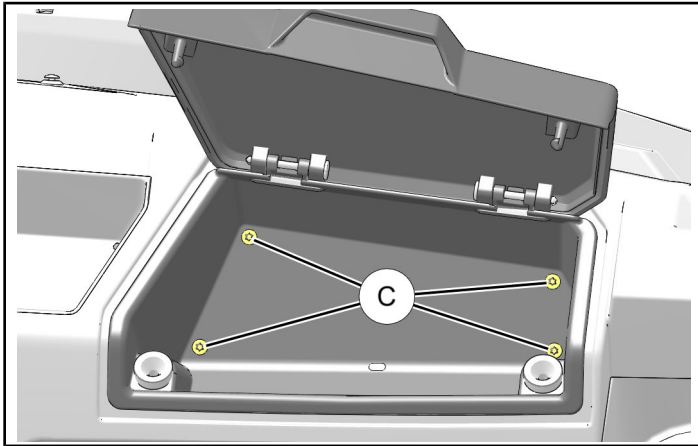
- Shift vehicle transmission into "PARK". Turn ignition switch to "OFF" position and remove key.
- Flip up passenger seat bottom, remove driver's seat and underseat storage compartment, then disconnect black negative (-) cable from battery.
- Gain access.
 - Remove hood.
 - If windshield is installed, remove or open (as applicable) to gain access to upper dash.
 - Remove upper dash cupholder by removing two push pin rivets ①, then slide cupholder rearward. Retain rivets.



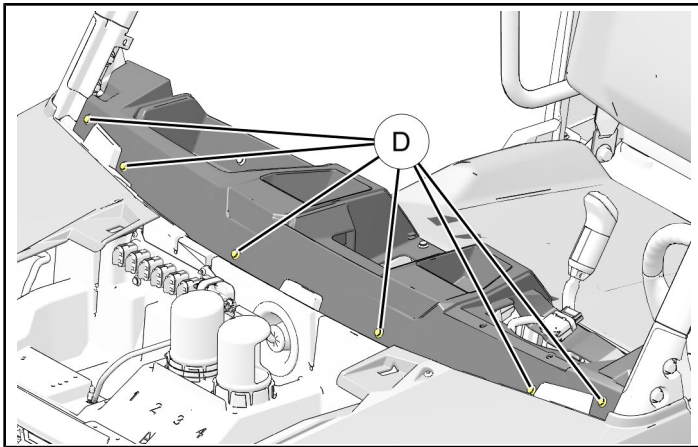
- Tilt steering wheel to full down position. Detach instrument cluster hood by removing two push pin rivets ②, then slide hood (with instrument cluster) rearward. Disconnect instrument cluster wiring harness. Retain rivets.



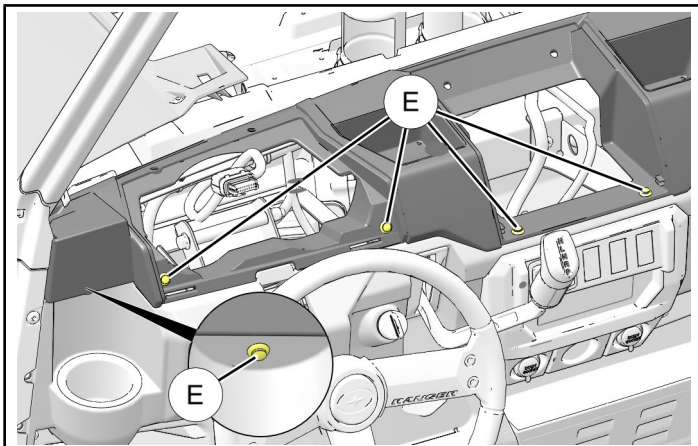
- e. Open door to upper storage compartment. Remove four screws (C) from forward wall of compartment, then remove compartment/door assembly from dash. Retain screws.



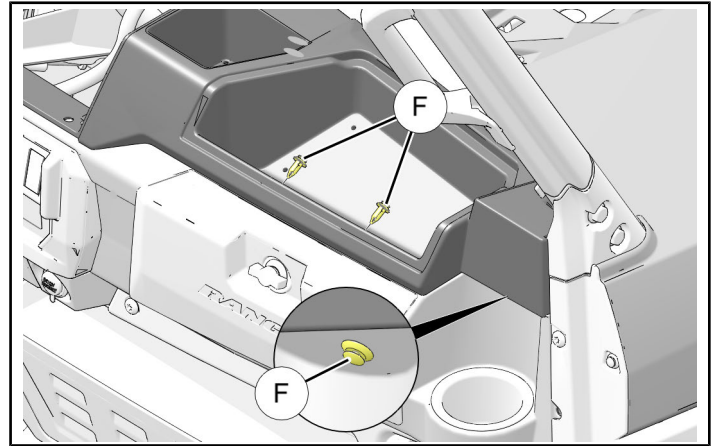
- f. Remove upper dash.
 - i. Remove six push pin rivets (D) along forward edge of dash.



- ii. Remove five push pin rivets (E) from LH side of dash: two at center cupholder, two at instrument cluster, and one on underside of dash above cupholder.



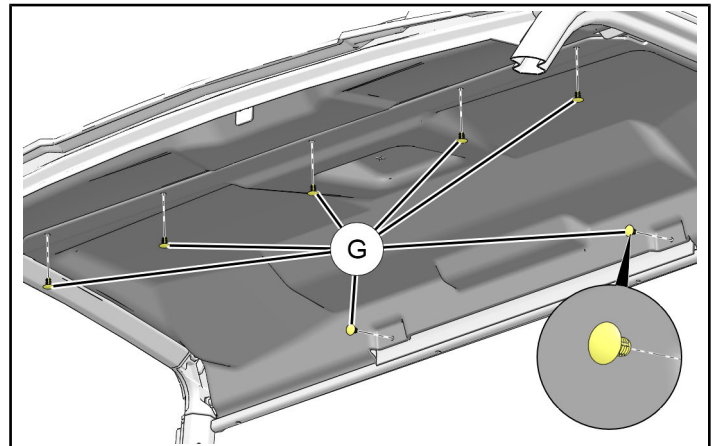
- iii. Remove three push pin rivets (F) from RH side of dash: two inside upper storage area and one on underside of dash above cupholder.



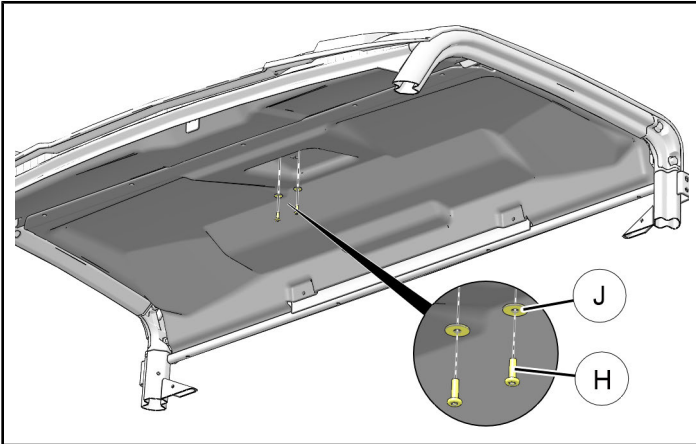
- iv. Remove upper dash from vehicle and set aside.
- g. Remove rear roof liner (if installed).

NOTE
Front roof liner can remain installed.

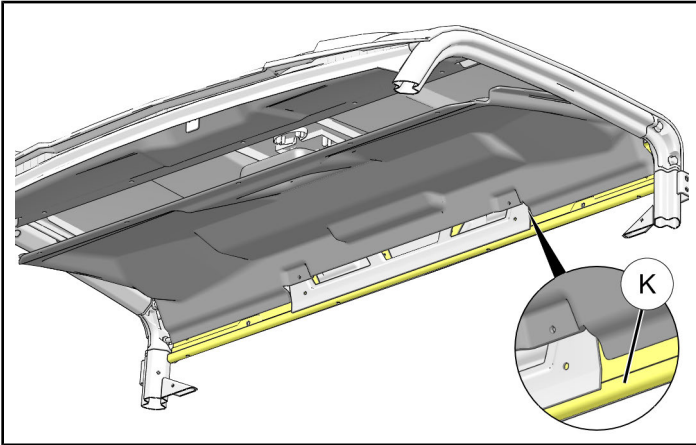
- i. Remove rear (roof mounted) speakers, if installed.
- ii. Remove seven push darts (G) from liner, two from rear edge and five from front edge. Retain push darts.



- iii. If overhead light is installed against liner, remove it. Otherwise, remove two each screws **H** and washers **J**. Retain hardware.



- iv. Carefully pull LH and RH edges of liner from between ROPS and roof seal, then remove rear edge of liner from roof support channel **K**.



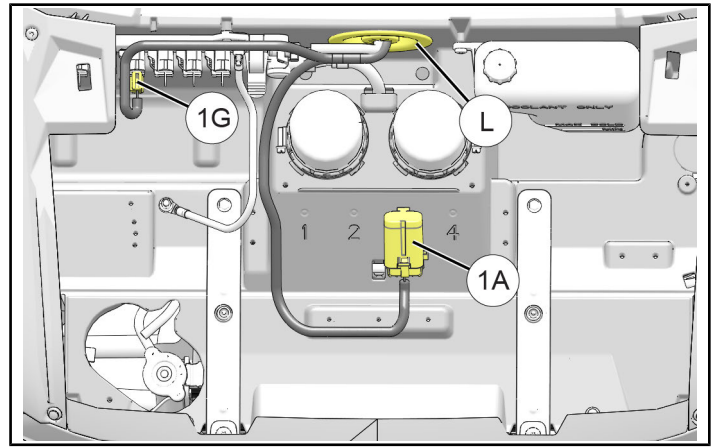
4. Route light connector **1D**, switch connector **1E**, and all three edge clips **1F** on light bar harness **1** from under-hood compartment rearward through firewall grommet **L** into upper dash compartment.

NOTE

See previous section, **HARNES DETAIL**, for connector identification.

NOTE

Relay/fuse block **1A** and terminal block connector **1G** remain on forward side of firewall.
Grommet may be temporarily removed to facilitate harness passage, or alternately, connectors **1C** and **1M** through **1R** may be temporarily disconnected.



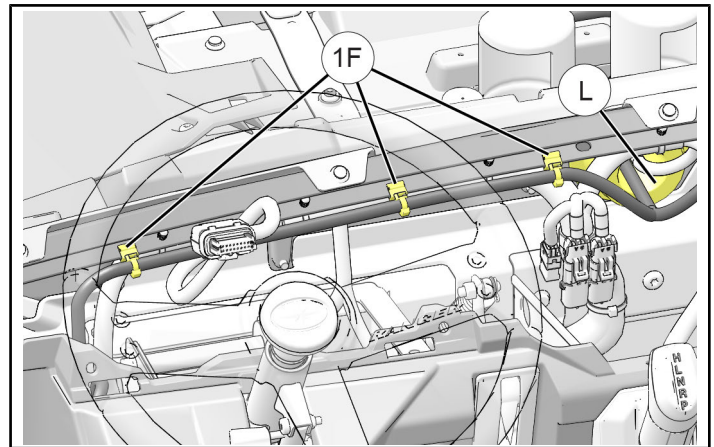
5. Drill out one accessory plug (1/4 inch) on under-hood liner, forward of air intake ducts, then install relay/fuse block **1A** using attached fir tree clip.

IMPORTANT

Control drill depth to prevent damage to underlying structure or components.

6. Open power cap on vehicle terminal block at any open location, then plug in connector **1G**.
7. Route switch connector **1E** from firewall grommet **L** along dash support bracket towards LH side of vehicle, then downward towards switch blanks on lower LH side of steering wheel.

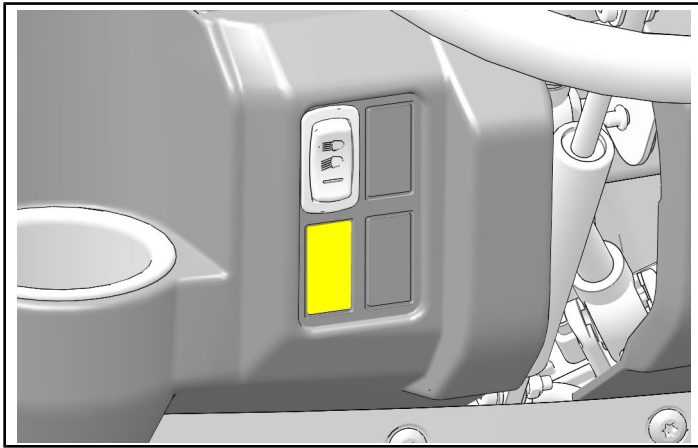
Ensure routing will prevent harness contact with hot components, sharp edges, or moving parts, but do NOT secure harness to vehicle at this time.



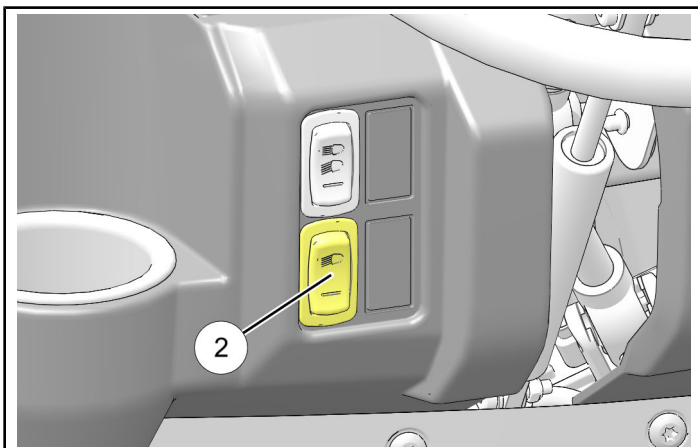
- Carefully cut out one rectangular switch blank from main dash panel.

NOTE

Any open location may be used.



- Route connector 1E out of switch opening, join to switch ②, then install switch into opening.



- On light connector 1D branch of harness ① detach bullet connectors 1H from 1K, and 1J from 1L. Set aside detached harness segment.

NOTE

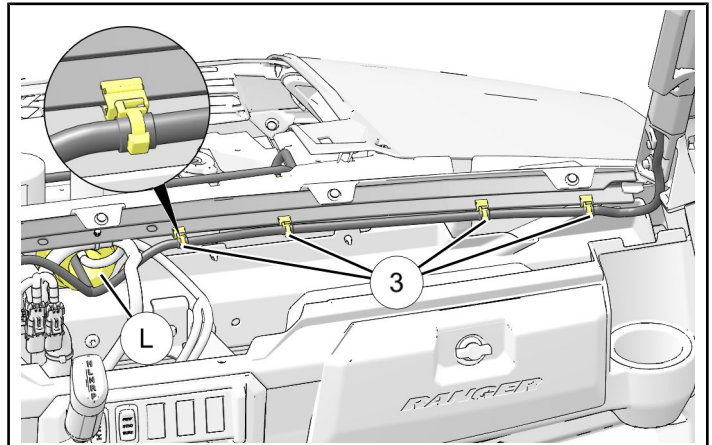
Detaching harness segment enables passage of harness through A-pillar.

- Route bullet connectors 1H and 1J from firewall grommet ① along dash support bracket towards RH A-pillar, through welded coupler at base of pillar, then up and out hole at top of pillar.

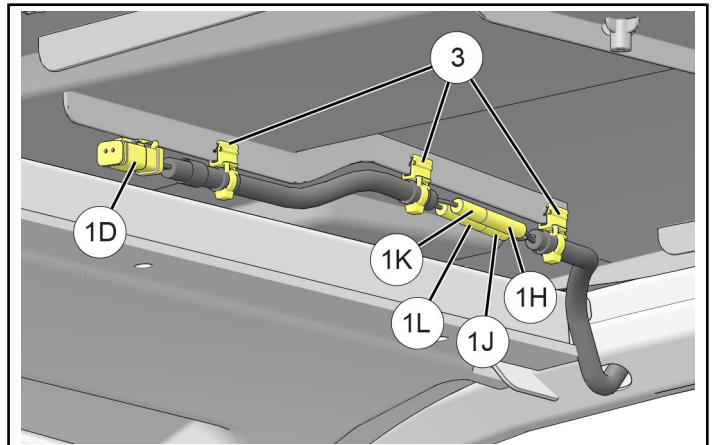
Ensure routing will prevent harness contact with hot components, sharp edges, or moving parts, but do NOT secure harness to vehicle at this time.

TIP

Insert fish tape into hole at top of RH A-pillar, down ROPS, out of welded coupler at base of pillar. Secure connectors 1H and 1J to tape, then carefully pull tape and harness up and out of hole.



- Reattach bullet connectors 1H to 1K, and 1J to 1L.



- Route light bar electrical harness through roof per instructions included with light bar, then join to connector 1D.

- Secure light bar connector branch of harness ① as follows:

- To front dash bracket at white tape 1B using four edge clips ③ (see Step 11 for illustration)
- To roof panel at white tape 1B using three edge clips ③ (see Step 12 for illustration)

- Secure switch connector branch of harness ① to front dash bracket using three edge clips 1F (see Step 7 for illustration).

- Restore access.

- Reconnect black negative (-) cable to battery, then reinstall under-seat storage compartment and driver's seat.

FEEDBACK FORM

A feedback form has been created for the installer to provide any comments, questions or concerns about the installation instructions. The form is viewable on mobile devices by scanning the QR code or by clicking [HERE](#) if viewing on a PC.

