

RIDE COMMAND® INSTALLATION KIT



P/N 2882872

BEFORE YOU BEGIN

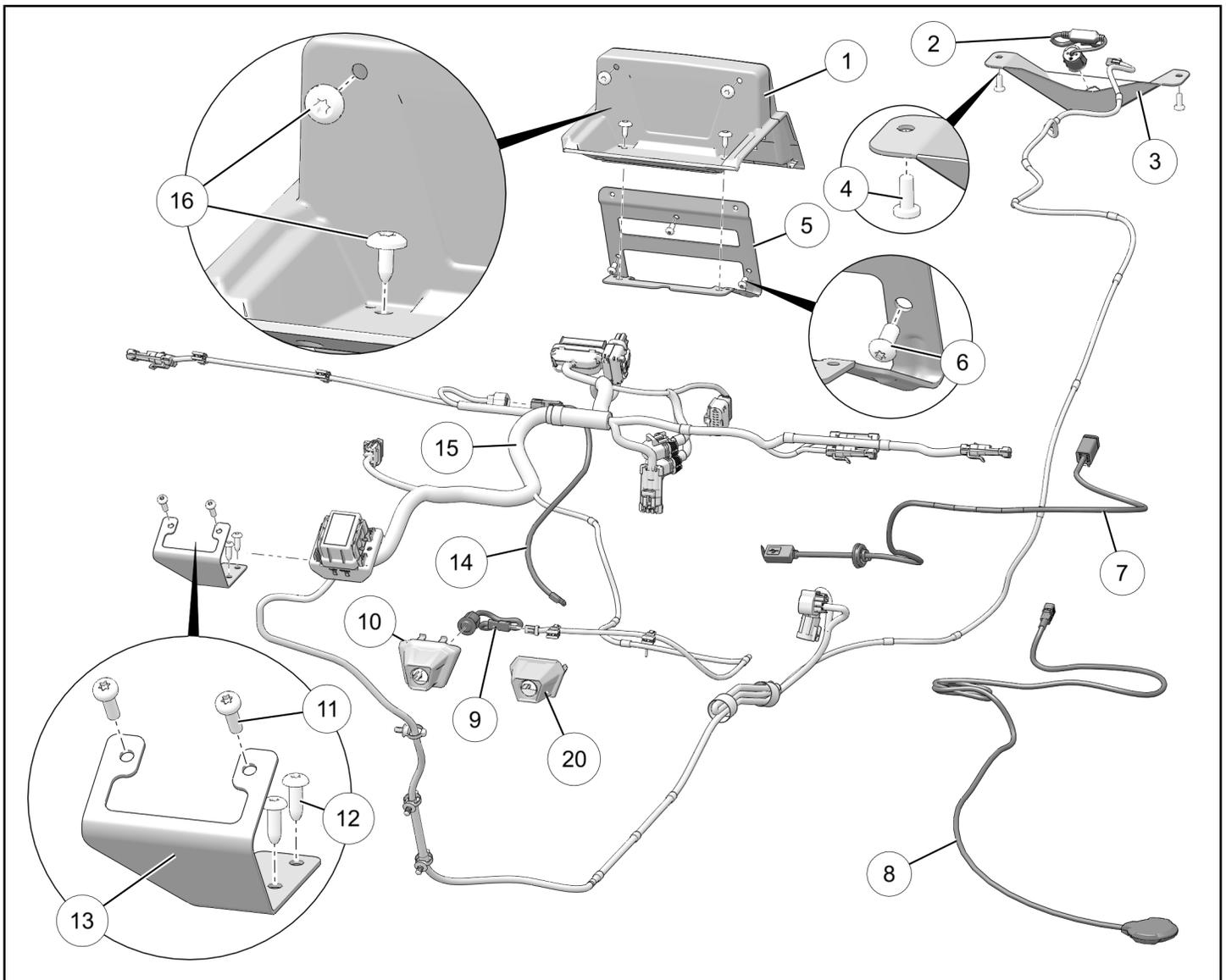
Read these instructions and check to be sure all parts and tools are accounted for. Please retain these installation instructions for future reference and parts ordering information.

KIT CONTENTS

This kit only contains parts for installation of RIDE COMMAND® harnesses, display mount, and associated components.

Installation of the RIDE COMMAND® 7" Display Kit, PN 2884002 or equivalent, is also required (sold separately).

This Kit includes:



REF	QTY	PART DESCRIPTION	PART NUMBER
1	1	Bezel	5454382-070
2	1	Camera, Rear	4017665
3	1	Bracket, Rear Camera	5265002-329
4	2	Screw, Torx® Pan Head, High/Low - #14 X 5/8	7520803
5	1	Bracket, Display	5268173-329
6	3	Screw, Torx® Button Head - M6 X 1.0 X 12	7518330
7	1	Harness, USB	2414297
8	1	Antenna, GPS (with harness)	4017533
9	1	Camera, Front	4016639
10	1	Bracket, Front Camera (<i>RANGER XP® 1000, RANGER CREW® XP 1000</i>)	5454705-070
11	2	Screw, Torx® Pan Head - M6 X 1.0 X 20	7518546
12	2	Screw, Torx® Truss Head, High/Low - #14 X 3/4	7519045
13	1	Bracket, Relay/Fuse Block	5267587-458
14	1	Harness, Ambient Air Temperature Sensor	2410443
15	1	Harness, Display (includes items 15.1-15.2)	2414587
15.1	1	- Cap, Audio (Amp 1)	5437360
15.2	2	- Cap, Audio (Amp 2, Subwoofer)	5438233
16	4	Screw, Torx® Truss Head - M6 X 1.0 X 16	7518936
17	30	Cable Tie (not shown)	7080492
18	4	Mount, Cable Tie, Adhesive Base (not shown)	7082523
19	2	Harness, Audio Adapter (not shown)	2883232
20	1	Bracket, Front Camera (<i>RANGER® 1000, RANGER CREW® 1000</i>)	5455141-070
-	1	Vehicle-to-Vehicle Antenna Kit (not shown)	2884004
-	1	RIDE COMMAND® Plow Mode Kit (not shown)	2884543

TOOLS REQUIRED

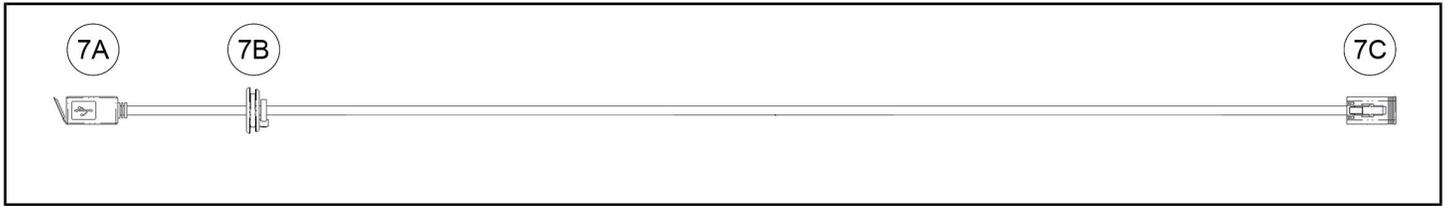
- Safety Glasses
- Cutting Tool
- Drill
- Hole Saw: 7/8 inch (22 mm)
- Pliers, Push Pin Rivet
- Screwdriver Set, Torx®
- Socket Set, Metric
- Wrench Set, Metric

IMPORTANT

Your RIDE COMMAND® Installation 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.

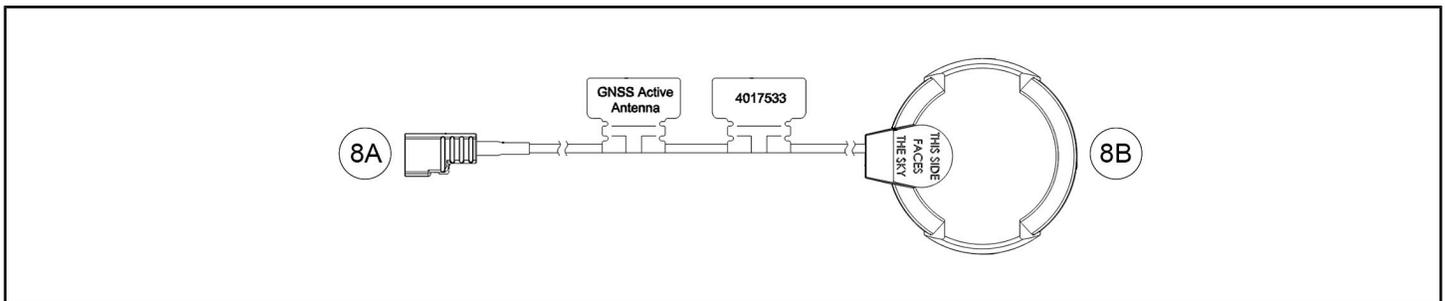
HARNESS DETAIL

USB HARNESS ⑦:



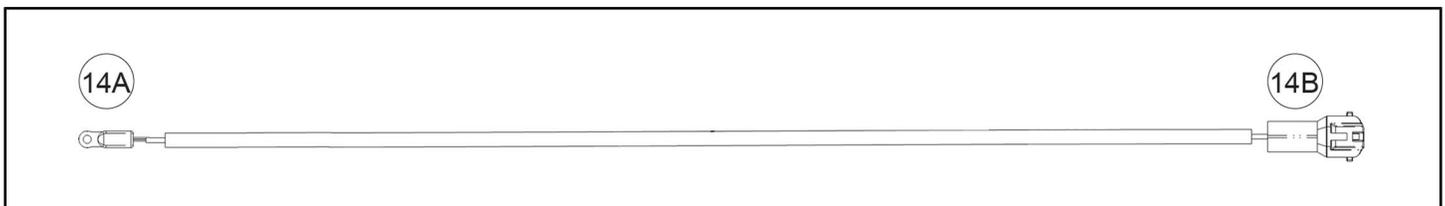
REF	PART DESCRIPTION	WIRE COLOR	PIN QTY/ GENDER	CONNECTS TO
7A	Connector, USB	-	female	OPTIONAL: Alternate source unit (not included)
7B	Grommet	-	-	Vehicle structure
7C	Connector, Display	-	6 female	RIDE COMMAND® display

GPS ANTENNA ⑧:



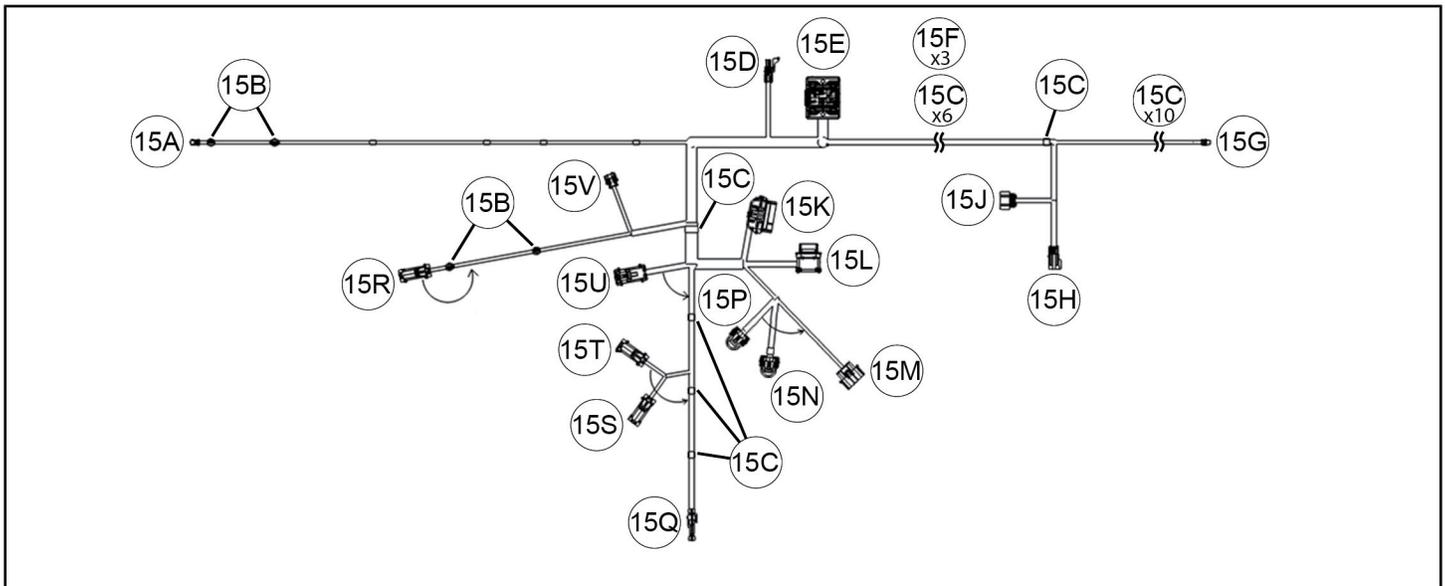
REF	PART DESCRIPTION	WIRE COLOR	PIN QTY/ GENDER	CONNECTS TO
8A	Connector, Display	-	-	RIDE COMMAND® display
8B	Antenna	-	-	Vehicle structure

AMBIENT AIR TEMPERATURE SENSOR HARNESS ⑭:



REF	PART DESCRIPTION	WIRE COLOR	PIN QTY/ GENDER	CONNECTS TO
14A	Sensor, Ambient Air Temperature	-	-	Nothing (exposed to ambient air flow)
14B	Connector, Ambient Air Temperature	-	2 male	Display harness ⑮, connector 15V

DISPLAY HARNESS ⑮:



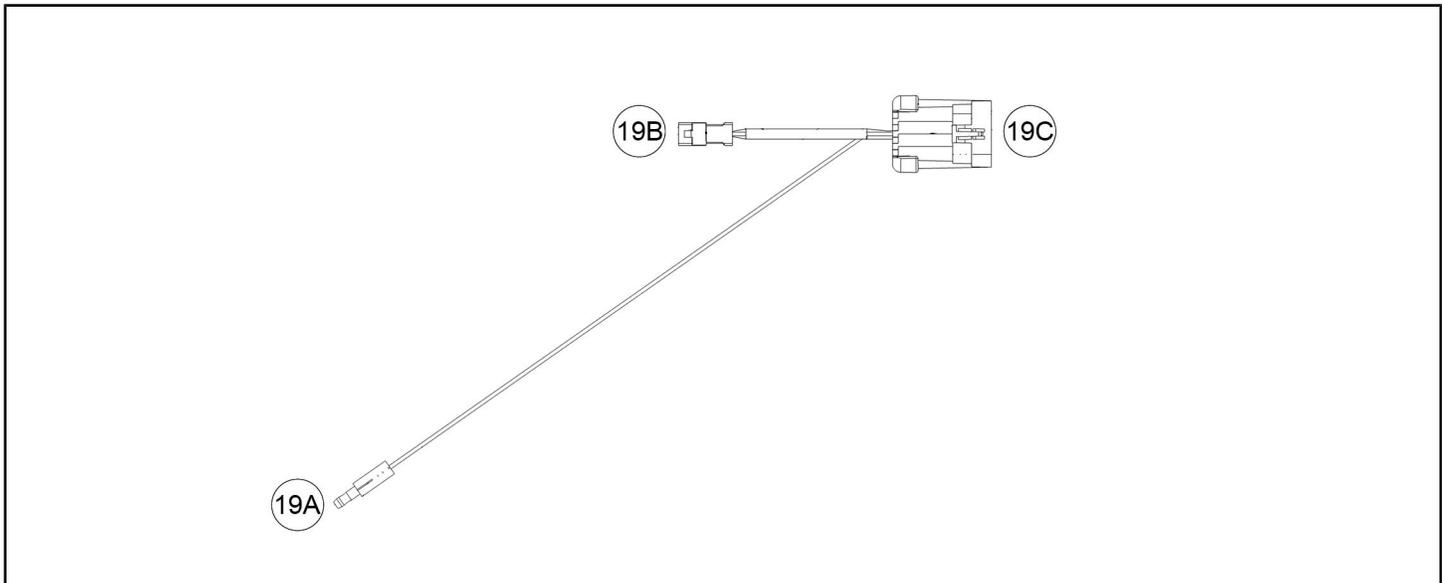
REF	PART DESCRIPTION	WIRE COLOR	PIN QTY/ GENDER	CONNECTS TO
15A	Connector, Front Camera	-	4 female	Front camera ⑨
15B	Clip, Edge	-	-	Vehicle structure
15C	Tape, White (21 places)	-	-	Identifies installation location for cable tie ⑰
15D	Connector, Terminal Block	-	3 female	Pulse™ terminal block
15E	Relay/Fuse Block	-	-	Bracket ⑬
15F	Routing Clip	-	-	Vehicle structure
15G	Connector, Rear Camera	-	4 female	Rear camera ②
15H	Connector, Vehicle Diagnostic	-	8 male	Existing vehicle side diagnostic port
15J	Connector, Vehicle Diagnostic	-	8 female	Nothing (becomes new vehicle diagnostic port)
15K	Connector, Display	-	32 female	RIDE COMMAND® display
15L	Connector, Display	-	16 female	
15M	Connector, Amp 1 (with cap)	-	16 female	OPTIONAL: RIDE COMMAND® Audio Kit, PN 2883956
15N	Connector (with cap) (identified as: AMP 2)	-	8 female	OPTIONAL: Audio adapter harness ⑲, connector 19C
15P	Connector (with cap) (identified as: SUBWOOFER)	-	8 female	
15Q	Connector, Speaker Signal OUT, LH (with cap)	White*	2 female	OPTIONAL: RIDE COMMAND® Audio Kit, PN 2883956
15R	Connector, Speaker Signal OUT, RH (with cap)	Gray*	2 female	

REF	PART DESCRIPTION	WIRE COLOR	PIN QTY/ GENDER	CONNECTS TO
15S	Connector, Speaker Signal OUT, LH (with cap)	White*	2 female	OPTIONAL: Roof Speaker Kit, PN 2882876; OR Door Speaker Kit, PN 2882889**
15T	Connector, Speaker Signal OUT, RH (with cap)	Gray*	2 female	
15U	Connector, Winch Enable (with cap)	-	3 female	OPTIONAL: RIDE COMMAND® Plow Mode Kit, PN 2884543
15V	Connector, Ambient Air Temperature Sensor	-	2 female	Ambient air temperature sensor ⑭, connector 14B

* With or without black stripe.

** Roof speakers AND door speakers may be connected at the same time using the splitter harness included with RIDE COMMAND® Audio Kit, PN 2883956.

AUDIO ADAPTER HARNESS ⑲:



REF	PART DESCRIPTION	WIRE COLOR	PIN QTY/ GENDER	CONNECTS TO
19A	Connector, Bullet, Remote On	Blue	1 male	OPTIONAL: Visor Speaker Kit, PN 2882891, and/or Subwoofer Kit (each sold separately); see instructions for detail
19B	Connector, Audio Out	-	4 male	
19C	Connector, Display	-	8 male	Display harness ⑮, connectors 15N or 15P, as applicable; see installation instructions

INSTALLATION INSTRUCTIONS

IMPORTANT

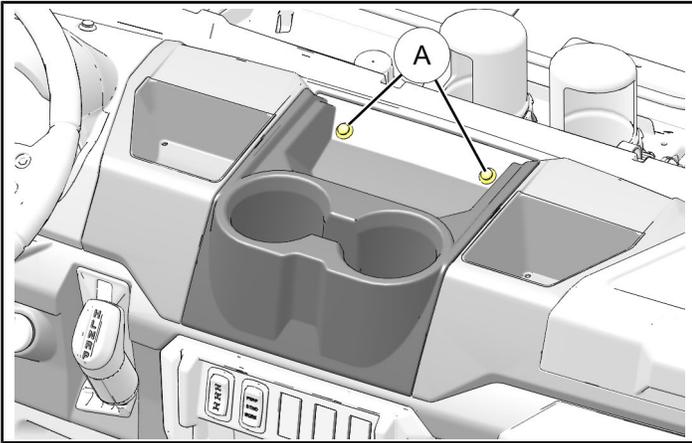
If also installing RIDE COMMAND® Audio Kit (PN 2883956, sold separately), then Polaris recommends you **start with these RIDE COMMAND® Installation Kit instructions**. You will be directed to applicable steps in the audio kit instructions when appropriate.

1. Shift vehicle transmission into "PARK". Turn ignition switch to "OFF" position and remove key.

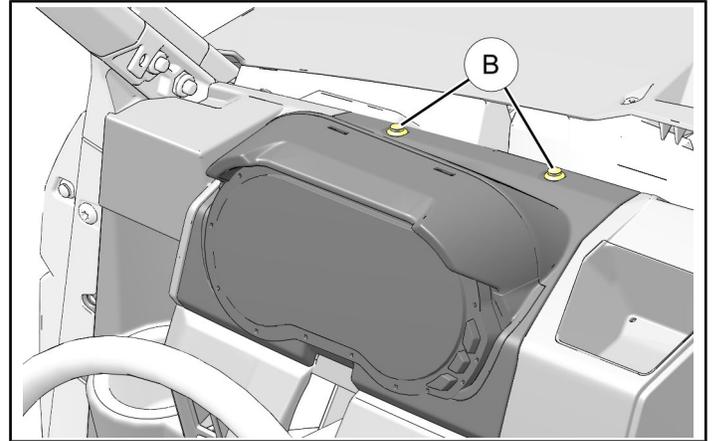
⚠ WARNING

Ensure red positive (+) battery terminal is **COMPLETELY COVERED** by protective boot. Accidental tool contact across both battery terminals will result in high current electrical arc, and may result in battery explosion. Death or serious personal injury may occur.

2. Flip up passenger seat bottom (**RANGER CREW**®: right rear passenger seat bottom) and remove underseat storage compartment. Disconnect black negative (-) cable from battery.
3. Gain access.
 - a. Raise vehicle bed.
 - b. Remove hood.
 - c. Remove upper dash cupholder by removing two push pin rivets (A), then slide cupholder rearward. Retain rivets. Cupholder will not be reused.



- d. 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.



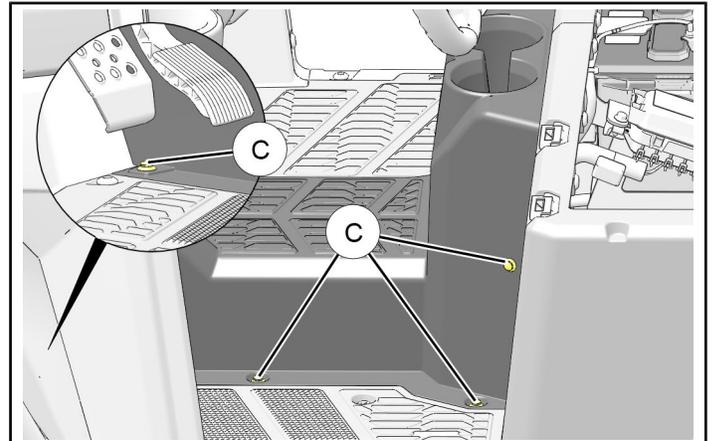
- e. Remove four push pin rivets (C) from each side of center floor console. Retain rivets.

Lift back of console, disengage tab at front of console, then remove console from vehicle.

RANGER CREW®: Also remove center rear floor console. Push pin rivet locations similar to center front floor console.

NOTE

LH side shown; RH side opposite.

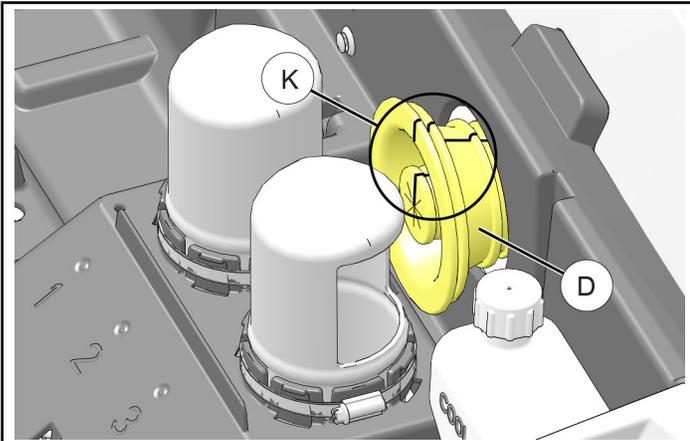


4. Temporarily detach accessory firewall grommet ① from firewall by pulling forward.

NOTE

Detaching grommet will help facilitate harness installation. However, it may be necessary to **CAREFULLY** cut grommet radially from center of hole upwards, completely through grommet wall, as shown in ①.

Use care to ensure any existing wiring passing through grommet is not damaged.



5. **OPTIONAL:** If also installing RIDE COMMAND® Audio Kit (PN 2883956, sold separately), then perform the following. See instructions included with audio kit for detail.

- Gain additional access as required (including removal of upper storage compartment and upper dash panel).
- Install dash speakers and speaker harnesses.
- Install amp.

NOTE

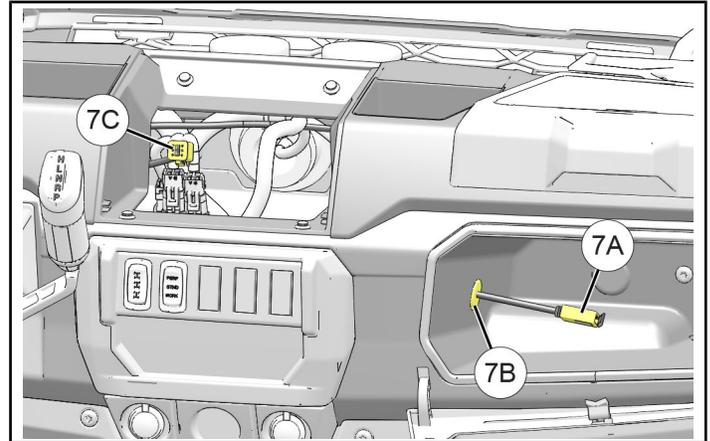
Do not install antenna and associated harnesses at this time.

6. Install USB harness.

NOTE

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

- Open passenger side storage compartment. Locate and mark location in LH side wall for passage of USB harness ⑦. Verify opposite side of wall is free from structure, components, wiring, lines/hoses/ducts, etc.



- Drill 7/8 inch (22 mm) hole through LH side wall at marked location.

IMPORTANT

Control drill depth to prevent damage to underlying structure, components, wiring, lines/hoses/ducts, etc.

- Route display connector 7C through hole into upper dash compartment, then install grommet 7B.

NOTE

Connector 7C final location shown. Connector will be joined to RIDE COMMAND® display in a later step.

7. Install display harness ⑮.

NOTE

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

- a. Route all upper dash connectors 15K through 15V rearward through accessory firewall grommet ⑩ into upper dash compartment. See Step 4.

NOTE

Connectors 15A through 15J will remain on forward side of grommet.
Upper dash panel hidden in remaining steps for clarity.

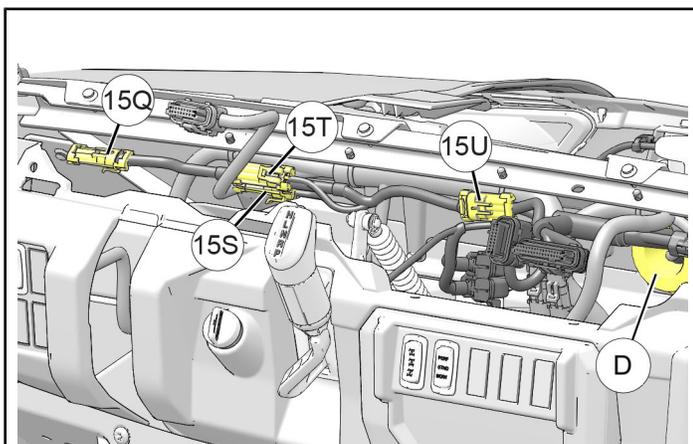
- b. Extend harness branch with connectors 15Q, 15S, 15T, and 15U along dash support bracket towards **LH** side of vehicle. Harness will be secured to vehicle in next step.

OPTIONAL: Remove cap(s) from connectors, then join harness to accessory kits as follows (kits sold separately). See instructions included with applicable kit(s) for detail.

- Connector 15Q to RIDE COMMAND® Audio Kit (PN 2883956)
- Connectors 15S and 15T to Roof Speaker Kit (PN 2882876) OR Door Speaker Kit (PN 2882889)

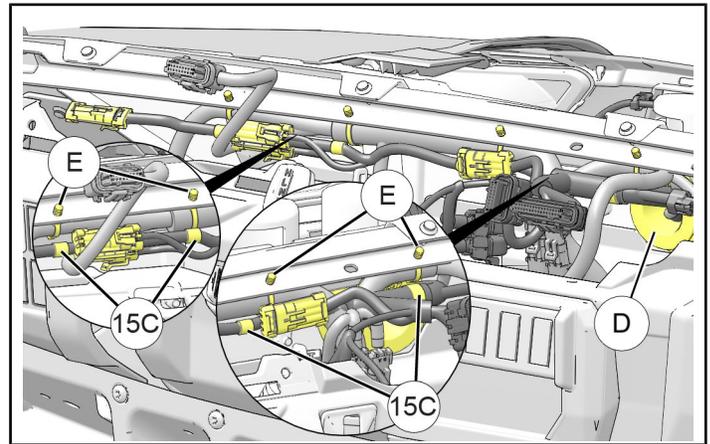
NOTE

Roof speakers AND door speakers may be connected at the same time using the splitter harness included with RIDE COMMAND® Audio Kit. Connectors 15K, 15L, 15M, 15N, 15P, and 15U will remain in **center** of vehicle.



- c. Ensure LH harness branch is routed to prevent contact with hot components, sharp edges, or moving parts, then secure to main chassis harness using four cable ties ⑰ as follows:

- Four white tape locations 15C identify placement locations for cable ties ⑰
- Placement locations will generally coincide with existing chassis harness routing clips ⑤

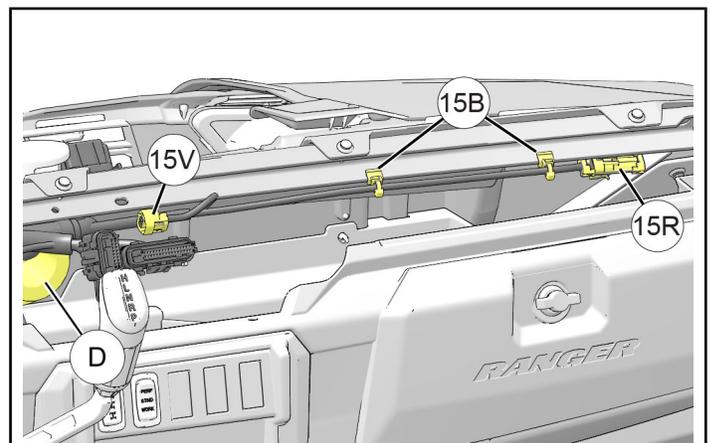


- d. Extend harness branch with connectors 15R and 15V along dash support bracket towards **RH** side of vehicle. Harness will be secured to vehicle in next step.

OPTIONAL: Remove cap from connector 15R, then join to RIDE COMMAND® Audio Kit (PN 2883956, sold separately). See instructions included with audio kit for detail.

NOTE

Connector 15V will be joined to ambient air temperature sensor ⑭ in a later step.



- e. Ensure RH harness branch is routed to prevent contact with hot components, sharp edges, or moving parts, then secure to dash support bracket using two edge clips 15B as shown.

- f. **OPTIONAL:** Remove applicable caps, then join display harness connectors 15M, 15N, AND 15P in center of dash to accessory kits as follows (kits sold separately). See instructions included with applicable kit(s) for detail.

CAUTION

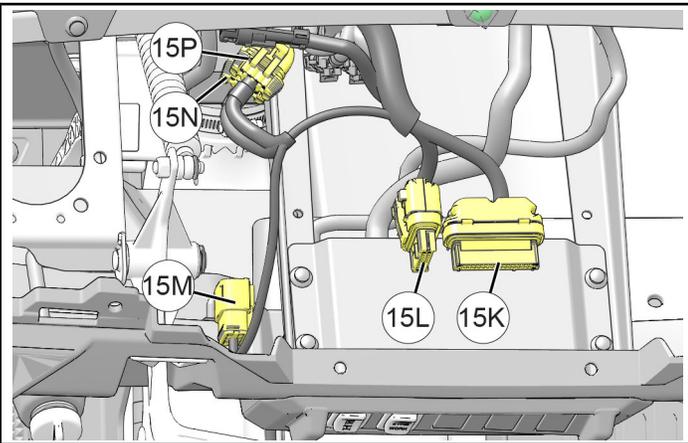
Do NOT join audio adapter harness(es) ⑱ to display harness ⑮ unless also connecting an accessory as described below.

Exposed bullet connector 19A may short against vehicle structure and damage the RIDE COMMAND® display or other vehicle components.

- **15M:** To RIDE COMMAND® Audio Kit (PN 2883956)
- **15N (AMP 2):** To connector 19C on audio adapter harness ⑱. Connectors 19A and 19B are then joined to Visor Speaker Kit (PN 2882891).
- **15P (SUBWOOFER):** To connector 19C on audio adapter harness ⑱. Connectors 19A and 19B are then joined to Subwoofer Kit.

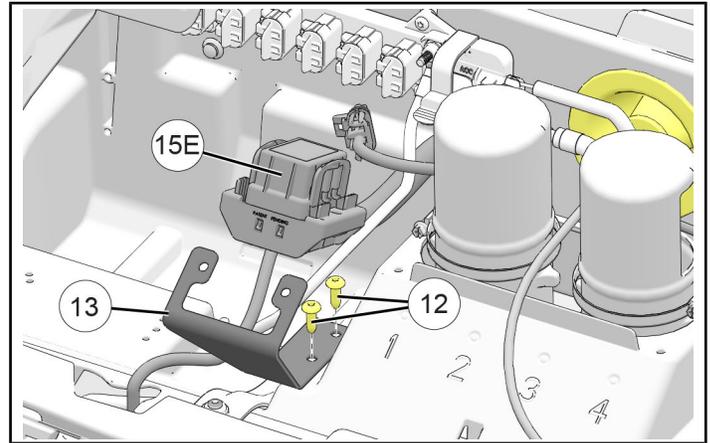
NOTE

Connectors 15K and 15L will be joined to RIDE COMMAND® display in a later step.



- g. Ensure center harness connectors are routed to prevent contact with hot components, sharp edges, or moving parts, then secure as required using cable ties ⑰.

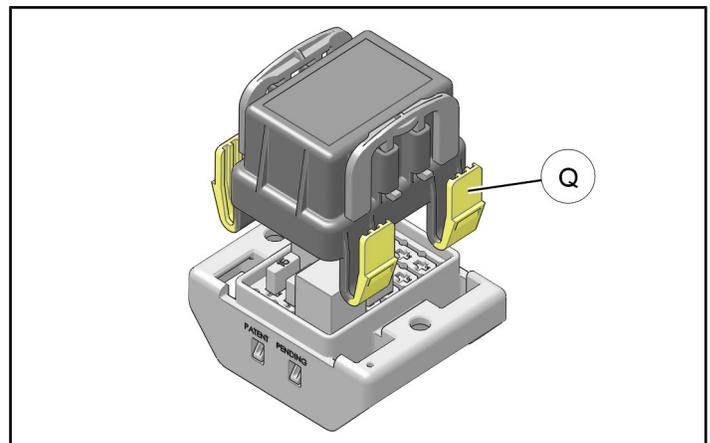
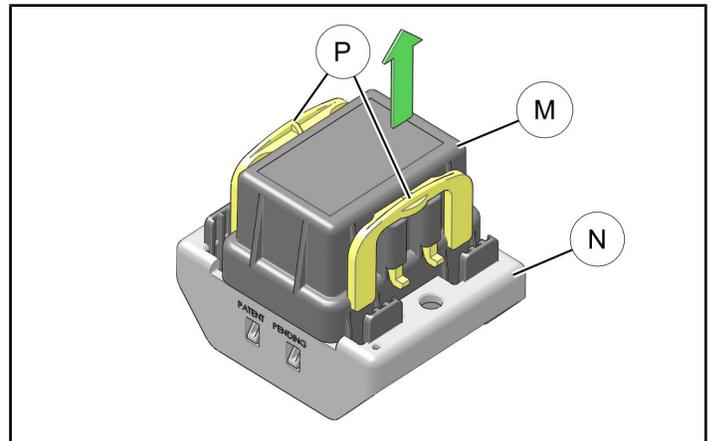
- h. On forward side of firewall, install bracket ⑬ to under-hood liner using two screws ⑫. Tighten screws.



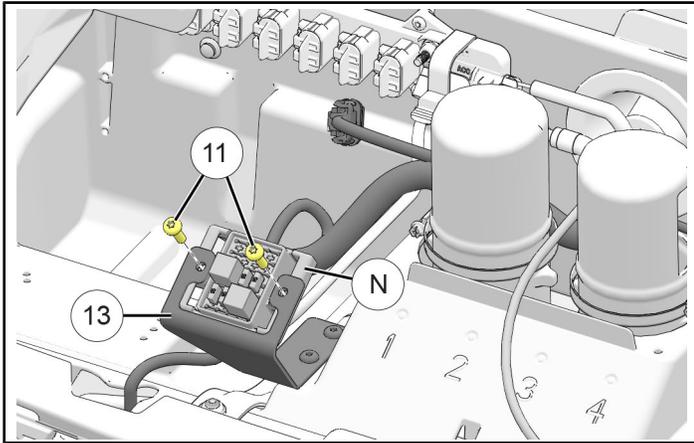
- i. On relay/fuse block 15E, detach cap ① from base ② by lifting two locking clips ③, then depressing four corner tabs ④.

NOTE

When in lowered position locking clips prevent corner tabs from being depressed.



- j. Install base **(N)** to bracket **(13)** using two screws **(11)**.

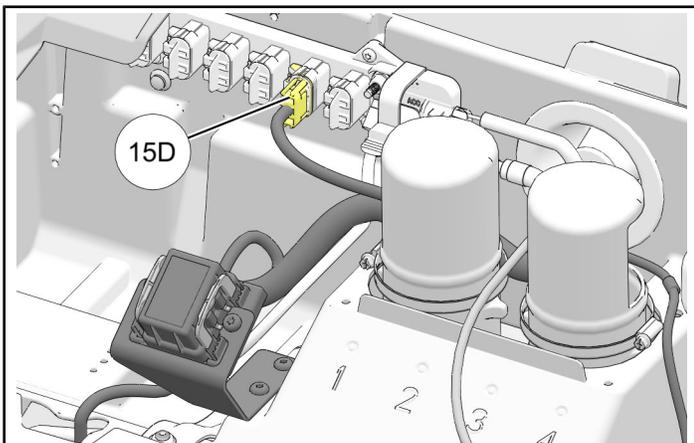


- k. **OPTIONAL:** If also installing RIDE COMMAND® Plow Mode Kit (PN 2884543; parts included loose in this RIDE COMMAND® Installation Kit), then install two plow mode relays. Return to this step when complete. See separate plow mode instructions included in this kit.

NOTE

Do not install any other plow mode parts at this time.

- l. Reinstall cap **(M)** by supporting base **(N)** with hand, then firmly pushing cap into base until all four corner tabs **(O)** snap into place. Slide two locking clips back down **(P)**.
- m. Open power cap on Pulse™ terminal block at any open location, then plug in connector **15D**.

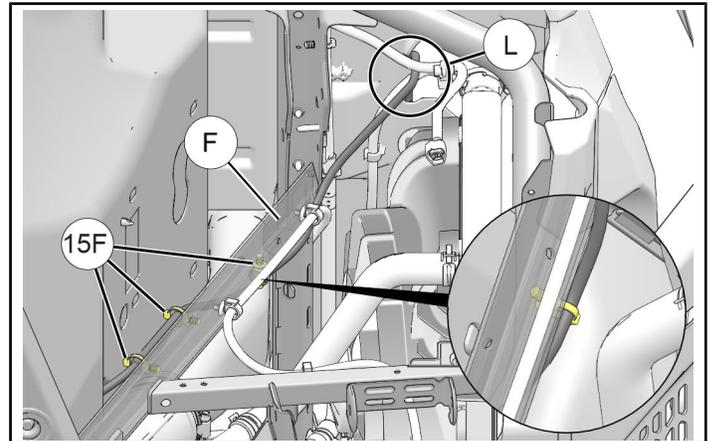


- n. Route long harness branch with rear camera connector **15G** and vehicle diagnostic connectors **15H** and **15J** down through radiator fill cutout **(L)**, down along chassis rectangle tube **(F)**, then rearward into center console.

Ensure harness is routed to prevent contact with hot components, sharp edges, or moving parts (including suspension and steering components throughout their full range of travel), then secure to rectangle tube using three routing clips **15F**.

NOTE

View looking upwards and inboard from right front wheel well.
Rectangle tube **(F)** shown partially transparent, and suspension/steering components hidden for clarity.

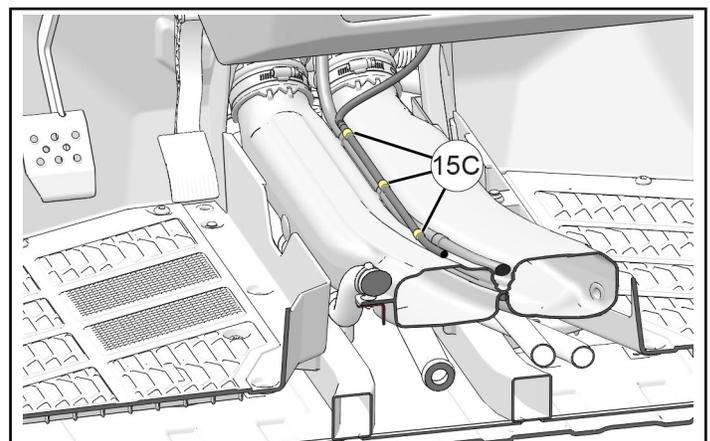


- o. Route harness rearward along and above air intake duct centerline following battery cables.
Observe three white tape locations **15C**. These will be used to secure harness in a later step. Do not secure harness at this time.

RANGER CREW®: Carefully cut tape securing coiled portion of harness. Three additional white tape locations **15C** will be revealed, to be used in a later step.

IMPORTANT

Do NOT uncoil harness if routing in a non-crew vehicle.



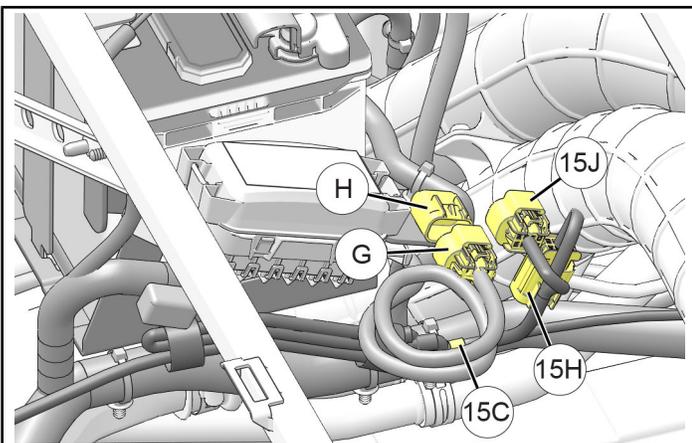
- p. Route display harness ⑮ rearward until intake duct curves beneath battery, then up and rearward along LH (driver) side of fuse box.
- q. Remove existing vehicle diagnostic port ⑥ from protective cover ⑨ (attached to fuse box support bracket), then join to mating diagnostic connector 15H on display harness ⑮.

Insert diagnostic connector 15J into protective cover ⑨.

Observe one white tape location 15C. This will be used to secure harness in a later step. Do not secure harness at this time.

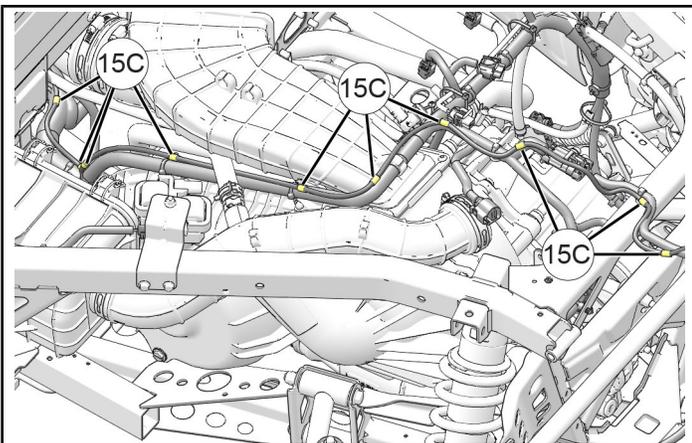
NOTE

Connector 15J becomes new diagnostic port. Fuel tank hidden for clarity.



- r. Route rear camera connector 15G rearward along main chassis harness to rear side of vehicle bed as shown. Ensure harness is routed to prevent contact with hot components, sharp edges, or moving parts.

Observe ten white tape locations 15C. These will be used to secure harness in a later step. Do not secure harness at this time.



- 8. Install rear camera.

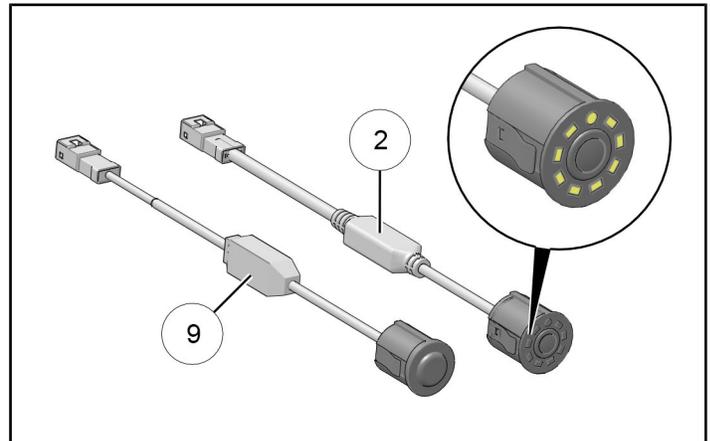
NOTE

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

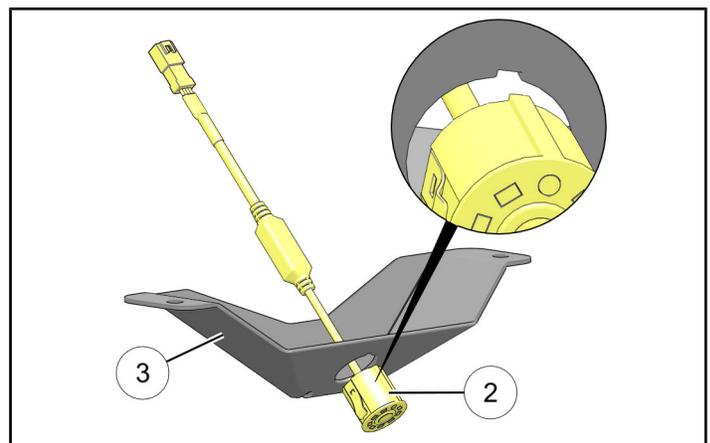
- a. Identify rear camera ② (with ring of LED lamps).

NOTE

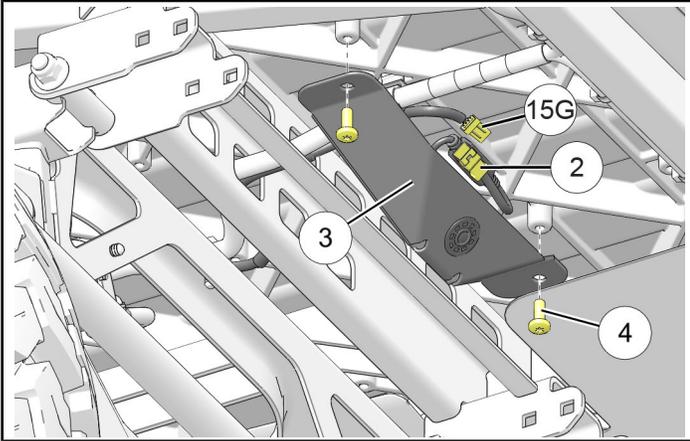
Front and rear cameras are similar in appearance except that REAR camera ② has ring of LED lamps, front camera ⑨ does not.



- b. Route wiring on rear camera ② through rear camera bracket ③. Orient spline on camera with slot in bracket, then insert camera into bracket until locking clips snap into place.



- c. Install rear camera bracket ③ to lower rear surface of vehicle bed using two screws ④. Do not overtighten screws.



- d. Join connector 15G at end of display harness ⑮ to rear camera ②.

9. **WORKING FROM BACK TO FRONT** secure display harness ⑮ at the following locations using cable ties ⑰ to prevent contact with hot components, sharp edges, or moving parts. See previous Step 7.

- At TEN white tape locations 15C in engine compartment.
- At ONE white tape location 15C at diagnostic connector breakout.
- **RANGER CREW®**: At THREE white tape locations 15C in rear floor console.
- At THREE white tape locations 15C in (front) floor console.

NOTE

White tape locations will generally coincide with existing chassis harness cable tie locations.

10. Install front camera.

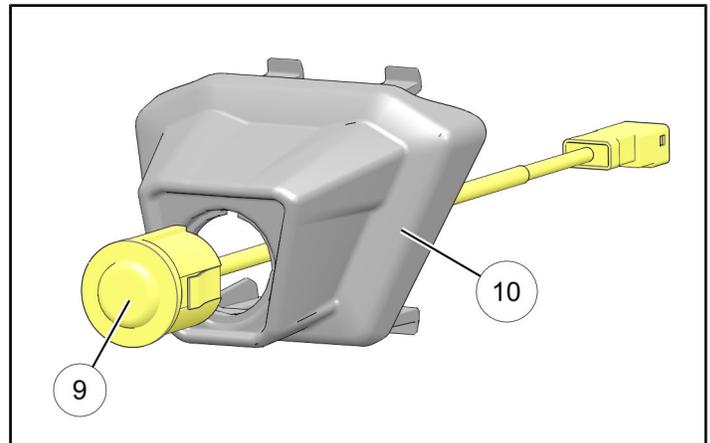
NOTE

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

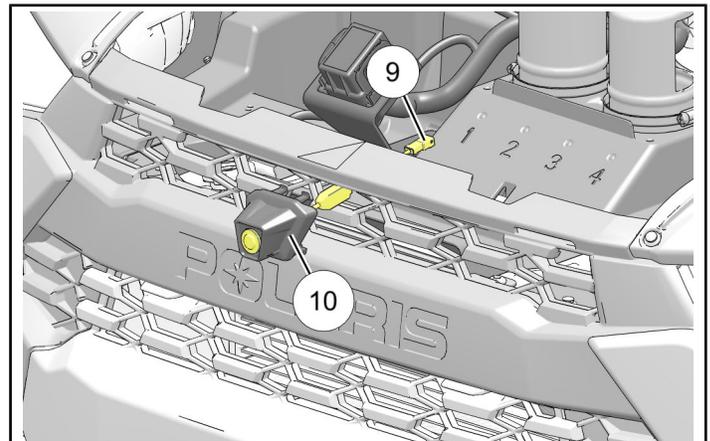
- a. Route wiring on front camera ⑨ through front camera bracket ⑩ or ⑳, as applicable. Orient spline on camera with slot in bracket, then insert camera into bracket until locking clips snap into place.
- **RANGER XP® 1000**, **RANGER CREW® XP 1000**: use ⑩
 - **RANGER® 1000**, **RANGER CREW® 1000**: use ⑳

NOTE

Bracket ⑩ shown below; bracket ⑳ similar.

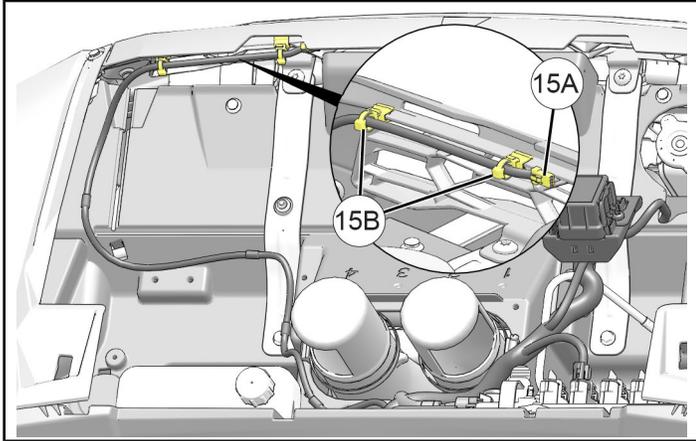


- b. Route wiring attached to front camera ⑨ rearward through upper fascia, then carefully push front camera bracket ⑩ into fascia until all four tabs lock in place. Ensure the following:
- Camera bracket is positioned as high as possible with camera pointing **DOWNWARD**
 - Camera wiring is not pinched or kinked as it passes through fascia



- c. Route branch of display harness ⑮ terminating in front camera connector 15A on LH side of vehicle as shown. Ensure harness is routed to prevent contact with hot components, sharp edges, or moving parts.

NOTE
View looking downward.



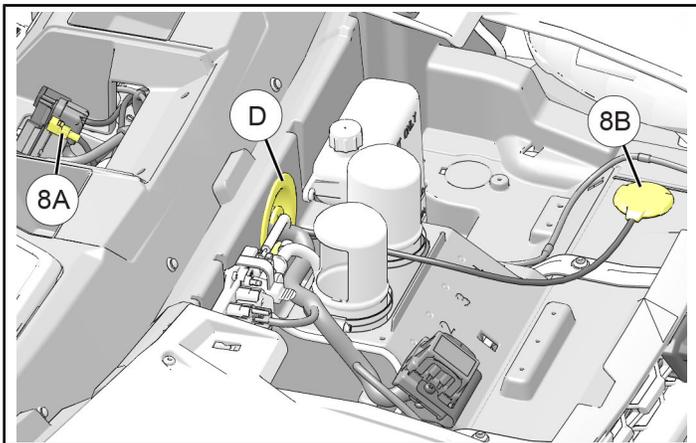
- d. Remove cap from front camera connector 15A, then join to front camera ⑨.
- e. Secure camera harness branch to upper fascia using two edge clips 15B.

11. Install GPS antenna.

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

- a. Route connector 8A on GPS antenna ⑧ rearward through firewall grommet ⑩.

NOTE
Connector 8A final location shown. Connector will be joined to RIDE COMMAND® display in a later step.



- b. Route antenna 8B to mounting location on under-hood liner. Ensure harness is routed to prevent contact with hot components, sharp edges, or moving parts.

Use cable tie ⑰ to coil and secure excess harness length in UPPER DASH compartment.

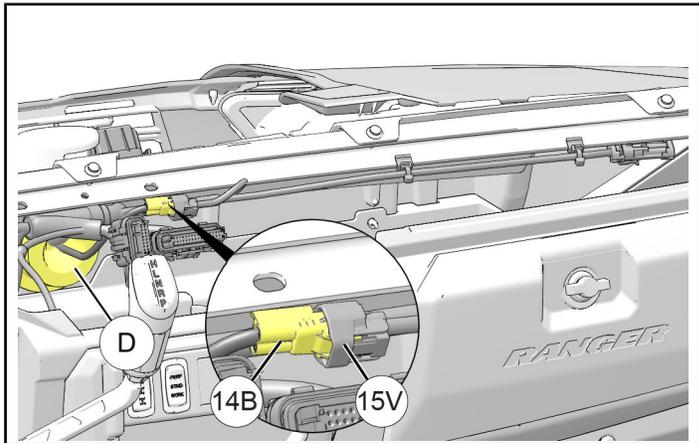
NOTE
Coiling excess harness length will be easier if accomplished prior to mounting antenna.

- c. Clean upper surface of under-hood liner to permit proper adhesive application. Peel backing from antenna 8B and press firmly in place.

12. Install ambient air temperature sensor.

NOTE
This is NOT an engine temperature sensor. See previous section, **HARNES DETAIL**, for connector identification.

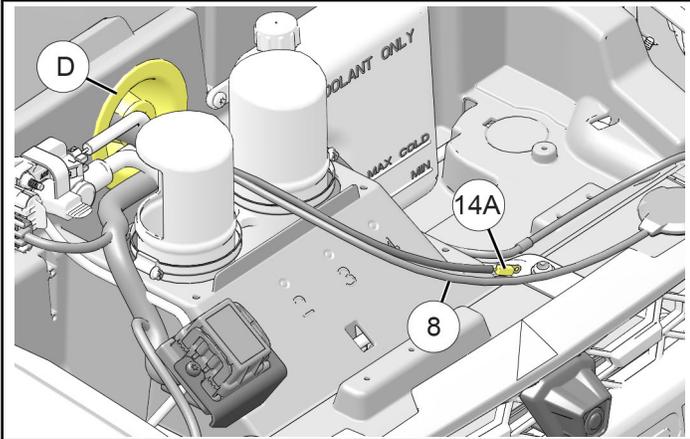
- a. Join connector 14B on ambient air temperature sensor ⑭ to connector 15V on display harness ⑮. Route sensor 14A (on opposite end) forward through firewall grommet ⑩.



- b. Secure ambient air temperature harness to GPS antenna ⑧ using cable tie ⑰.

IMPORTANT

Sensor 14A is NOT a standard ring terminal and should NOT have a fastener passing through it. Sensor contains a thermistor element that must be exposed to ambient air flow. Specific mounting location is not critical as long as sensor is exposed to ambient air flow.



13. **OPTIONAL:** If also installing Vehicle-to-Vehicle Antenna Kit (PN 2884004; parts included loose in this RIDE COMMAND® Installation Kit), then install V2V antenna and associated harness. Return to this step when complete. See separate vehicle-to-vehicle antenna instructions included in this kit.
14. **OPTIONAL:** If also installing RIDE COMMAND® Plow Mode Kit (PN 2884543; parts included loose in this RIDE COMMAND® Installation Kit), then install plow mode harness. Return to this step when complete. See separate plow mode instructions included in this kit.

IMPORTANT

Do NOT install autostop controller harness at this time. Functional check of system in Step ⑳ below will determine if autostop controller harness is required.

15. **OPTIONAL:** If also installing RIDE COMMAND® Audio Kit (PN 2883956, sold separately), then install AM/FM antenna and associated harnesses. However, do not connect antenna adapter harness to display at this time. Return to this step when complete. See separate audio instructions included in that kit.
16. Carefully examine all harness routing. Ensure harnesses are secured to prevent contact with hot components, sharp edges, or moving parts. Use cable ties ⑰ as required.

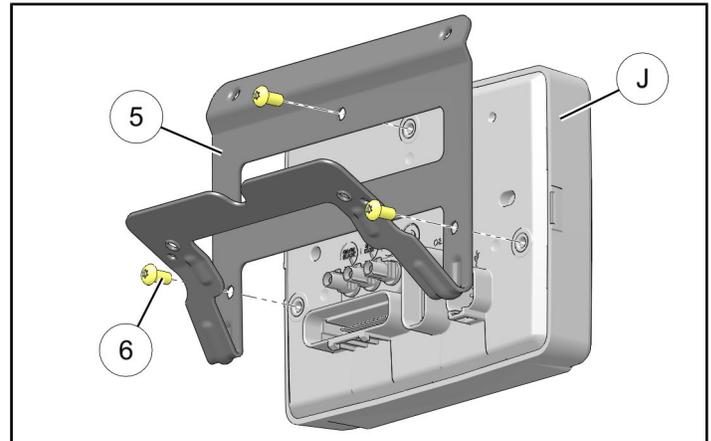
- USB harness ⑦
- GPS antenna ⑧
- Ambient air temperature sensor harness ⑭
- Display harness ⑮
- Audio adapter harness(es) ⑲ (if applicable)
- **OPTIONAL:** All harnesses provided with Vehicle-to-Vehicle Antenna Kit, RIDE COMMAND® Audio Kit, RIDE COMMAND® Plow Mode Kit, or any other accessory kit.

17. Install RIDE COMMAND® display.

NOTE

See previous section, **HARNESSES DETAIL**, for connector identification. RIDE COMMAND® Display Kit, PN 2884002 or equivalent, is sold separately.

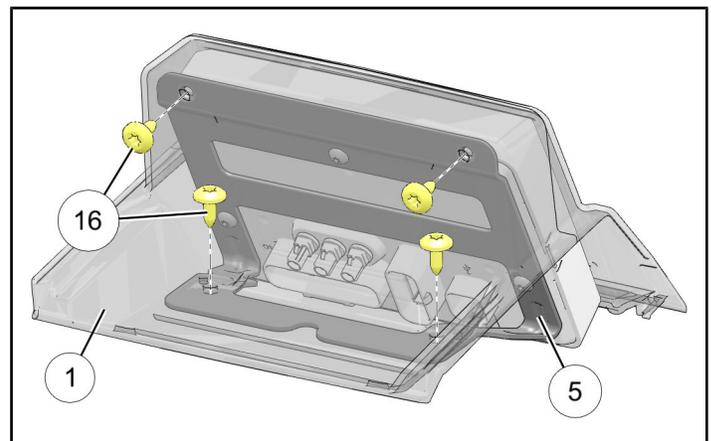
- a. Install bracket ⑤ to display ① using three screws ⑥. Do not overtighten screws.



- b. Slide bracket ⑤ (with display) into bezel ①, then secure using four screws ⑰.

NOTE

Bezel shown partially transparent for clarity.

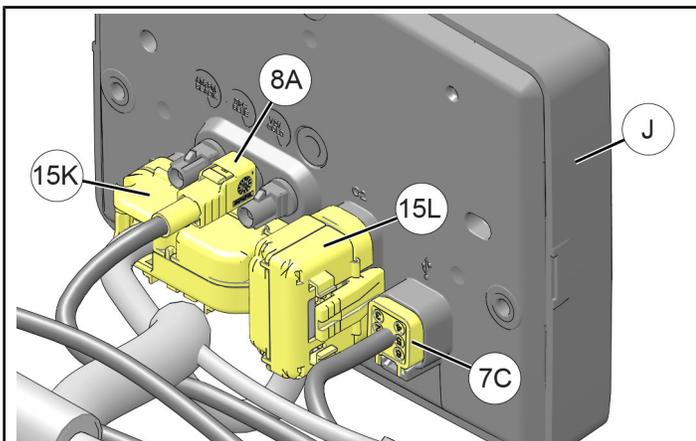


- c. Ensure connector routing prevents contact with hot components, sharp edges, or moving parts, then make the following connections to display **J**:

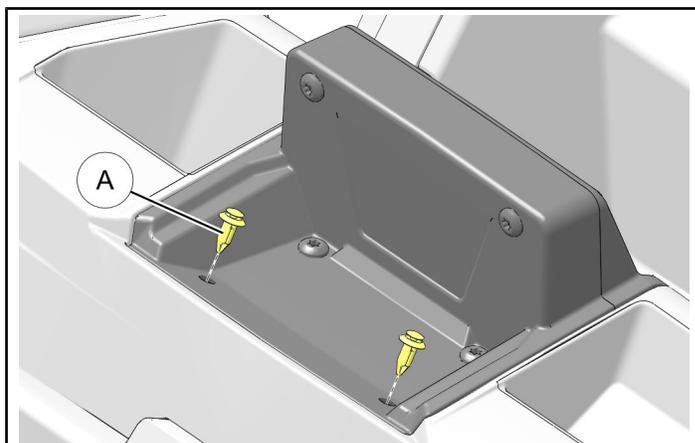
NOTE

Bezel and bracket hidden for clarity.

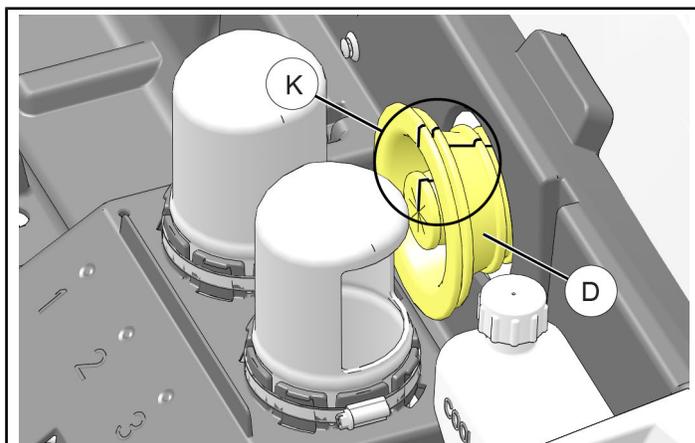
- 32-pin connector 15K and 16-pin connector 15L, both on display harness **15**
- Connector 7C on USB harness **7**
- Connector 8A on GPS antenna **8** (into display socket identified as **GPS**)
- **OPTIONAL:** If also installing Vehicle-to-Vehicle Antenna Kit (included in this RIDE COMMAND® Installation Kit, but packaged separately), then join antenna harness to display. See instructions included in that kit.
- **OPTIONAL:** If also installing RIDE COMMAND® Audio Kit (PN 2883956, sold separately), then join antenna adapter harness to display. See instructions included with audio kit for detail.



- d. Install display assembly into vehicle, then secure with two retained push pin rivets **A**.



18. Reinstall accessory firewall grommet **D** into firewall. If grommet was cut, orient grommet so cut **K** is up as shown.



19. Restore access. See Step 3.
20. Reconnect black negative (-) cable to battery, then reinstall under-seat storage compartment.
21. Perform setup for RIDE COMMAND® display per Owner's Manual.
22. If a **PLOW SYSTEM** is installed (sold separately), then perform functional check of RIDE COMMAND® plow mode. See instructions included with Plow Mode Kit.

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.

