

RIDE COMMAND® INSTALLATION KIT



P/N 2884564

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.

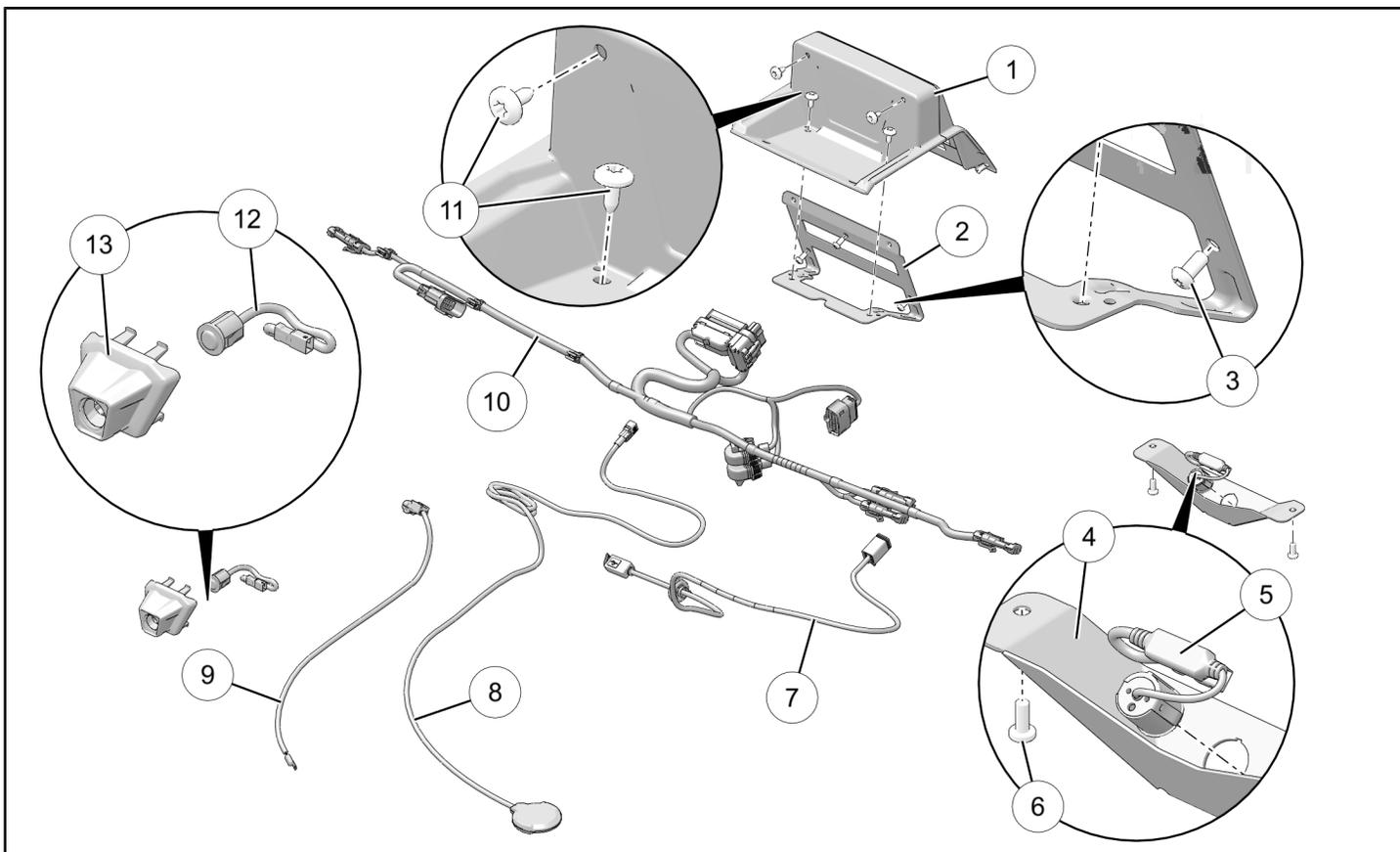
REQUIRED, SOLD SEPARATELY

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).

KIT CONTENTS

This Kit includes:



REF	QTY	PART DESCRIPTION	PART NUMBER
1	1	Bezel	5454382-070
2	1	Bracket, Display	5265001-329
3	3	Screw, Torx® Button Head - M6 X 1.0 X 12	7518330
4	1	Bracket, Rear Camera	5265002-329
5	1	Camera, Rear	4017665
6	2	Screw, Torx® Pan Head, High/Low - #14 X 5/8	7520803

REF	QTY	PART DESCRIPTION	PART NUMBER
7	1	Harness, USB	2414297
8	1	Antenna, GPS (with harness)	4017533
9	1	Harness, Ambient Air Temperature Sensor	2410443
10	1	Harness, Display (includes part 10.1)	2415224
10.1	2	- Cap, Audio (Amp 2, Subwoofer)	5438233
11	4	Screw, Torx® Truss Head - M6 X 1.0 X 16	7518936
12	1	Camera, Front	4016639
13	1	Bracket, Front Camera	5454705-070
14	2	Harness, Audio Adapter (not shown)	2883232
15	10	Cable Tie (not shown)	7080492
16	1	Harness, Autostop Controller (not shown)	2415490
-	1	Vehicle-to-Vehicle Antenna Kit (not shown)	2884004

TOOLS REQUIRED

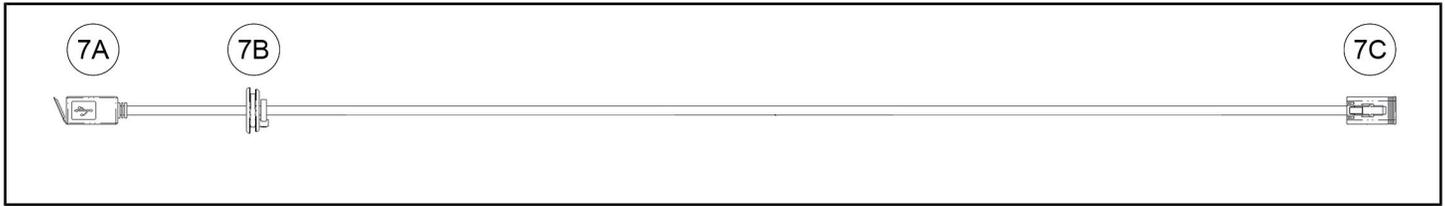
- Safety Glasses
- Drill
- Hole Saw: 7/8 inch (22 mm)
- Pliers, Push Pin Rivet
- Screwdriver Set, Torx®
- Socket Set, Metric
- Wrench Set, Metric

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.

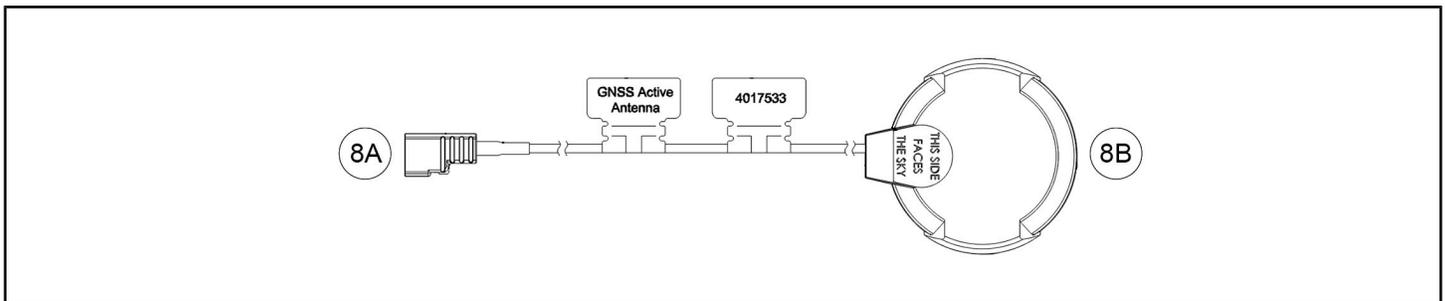
HARNESS DETAIL

USB HARNESS ⑦:



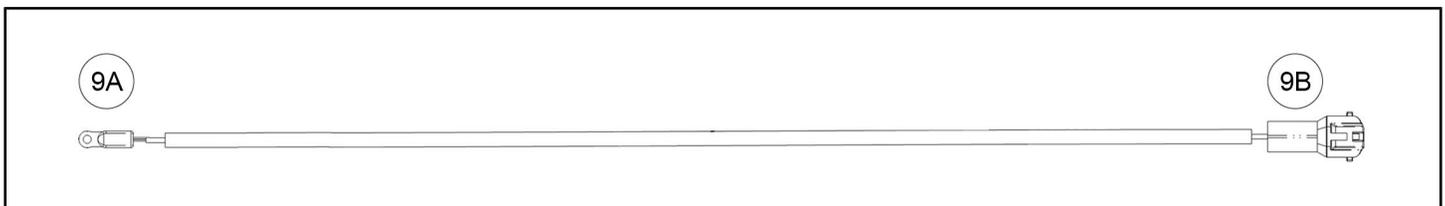
REF	PART DESCRIPTION	WIRE COLOR	PIN QTY/ GENDER	CONNECTS TO
7A	Connector, USB	-	female	OPTIONAL: Alternate source unit (not included)
7B	Grommet	-	-	Vehicle structure
7C	Connector, Display	-	6 female	RIDE COMMAND® display

GPS ANTENNA ⑧:



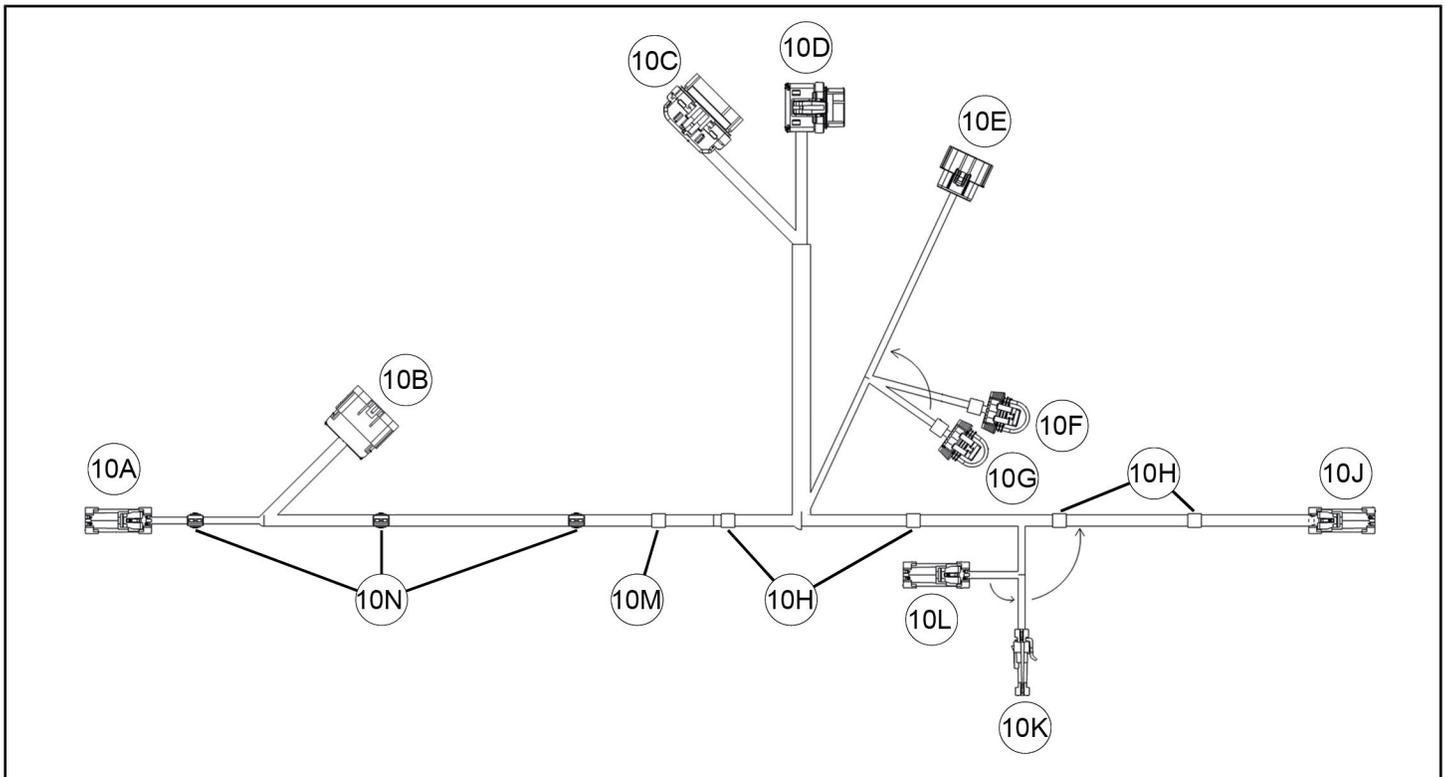
REF	PART DESCRIPTION	WIRE COLOR	PIN QTY/ GENDER	CONNECTS TO
8A	Connector, Display	-	-	RIDE COMMAND® display
8B	Antenna	-	-	Vehicle structure

AMBIENT AIR TEMPERATURE SENSOR HARNESS ⑨:



REF	PART DESCRIPTION	WIRE COLOR	PIN QTY/ GENDER	CONNECTS TO
9A	Sensor, Ambient Air Temperature	-	-	Nothing (exposed to ambient air flow)
9B	Connector, Ambient Air Temperature	-	2 male	Main chassis harness

DISPLAY HARNESS ⑩:

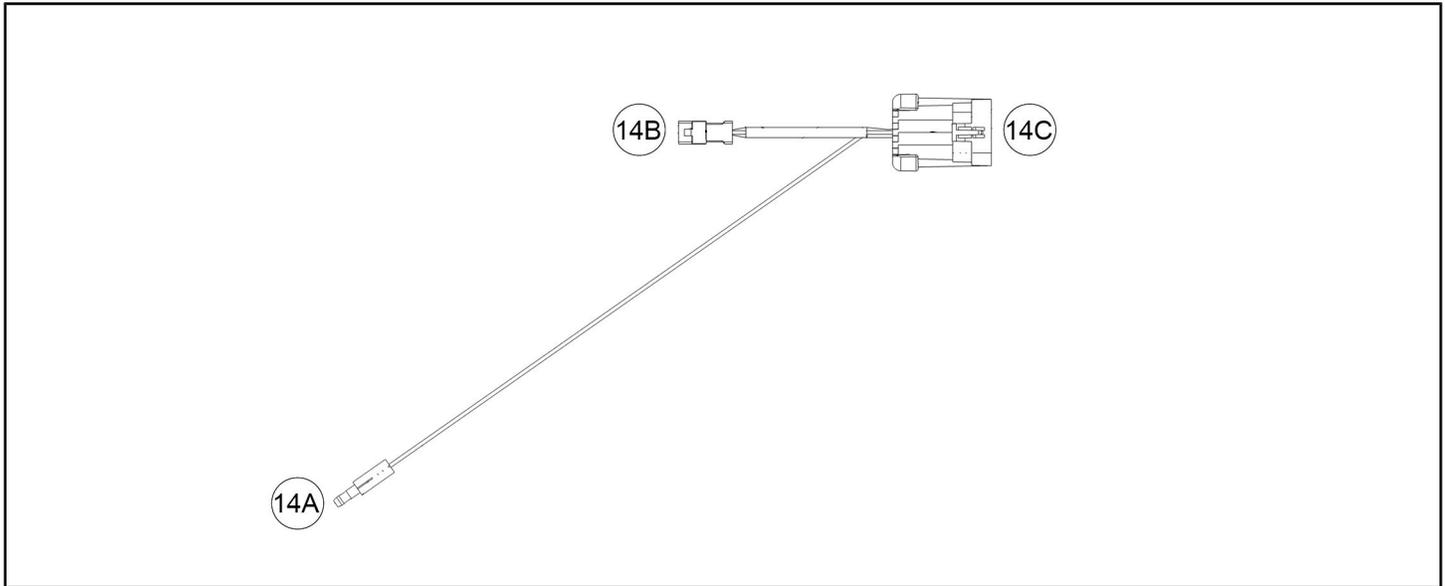


REF	PART DESCRIPTION	WIRE COLOR	PIN QTY/ GENDER	CONNECTS TO
10A	Connector, Speaker Signal OUT, RH (with cap)	Gray*	2 female	OPTIONAL: RIDE COMMAND® Audio Kit, PN 2883956
10B	Connector, Main Chassis Harness	-	16 male	Main chassis harness breakout
10C	Connector, Display	-	32 female	RIDE COMMAND® display
10D	Connector, Display	-	16 female	
10E	Connector, Amp 1	-	16 female	OPTIONAL: RIDE COMMAND® Audio Kit, PN 2883956
10F	Connector (with cap) (identified as: AMP 2)	-	8 female	OPTIONAL: Audio adapter harness ⑭, connector 14C
10G	Connector (with cap) (identified as: SUBWOOFER)	-	8 female	
10H	Tape, White (4 places)	-	-	Identifies installation location for cable tie ⑮
10J	Connector, Speaker Signal OUT, LH (with cap)	White*	2 female	OPTIONAL: RIDE COMMAND® Audio Kit, PN 2883956
10K	Connector, Speaker Signal OUT, LH (with cap)	White*	2 female	OPTIONAL: Roof Speaker Kit, PN 2882876; OR Door Speaker Kit, PN 2882889**
10L	Connector, Speaker Signal OUT, RH (with cap)	Gray*	2 female	
10M	Tape, Red (1 place)	-	-	Identifies installation location for cable tie ⑮
10N	Clip, Edge	-	-	Vehicle structure

* With or without black stripe.

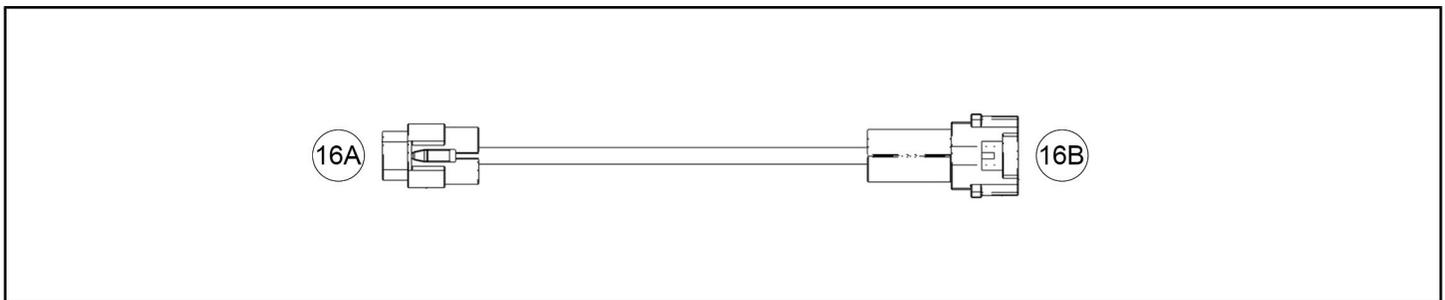
** Roof speakers AND door speakers may be connected at the same time using the splitter harness included with RIDE COMMAND® Audio Kit, PN 2883956.

AUDIO ADAPTER HARNESS ⑭:



REF	PART DESCRIPTION	WIRE COLOR	PIN QTY/ GENDER	CONNECTS TO
14A	Connector, Bullet, Remote On	Blue	1 male	OPTIONAL: Visor Speaker Kit, PN 2882891, and/or Subwoofer Kit, PN 2884233 (each sold separately); see instructions for detail
14B	Connector, Audio Out	-	4 male	
14C	Connector, Display	-	8 male	Display harness ⑩, connectors 10F or 10G, as applicable; see installation instructions

AUTOSTOP CONTROLLER HARNESS ⑯:



REF	PART DESCRIPTION	WIRE COLOR	PIN QTY/ GENDER	CONNECTS TO
16A	Connector, Chassis Harness	-	2 female	Main chassis harness breakout
16B	Connector, Autostop Controller	-	2 male	Winch autostop controller

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.

VEHICLE PREPARATION

DISCONNECT BATTERY

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

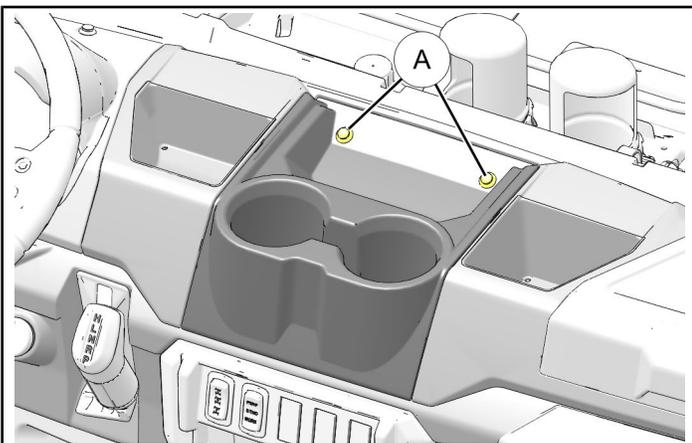
⚠ WARNING

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.

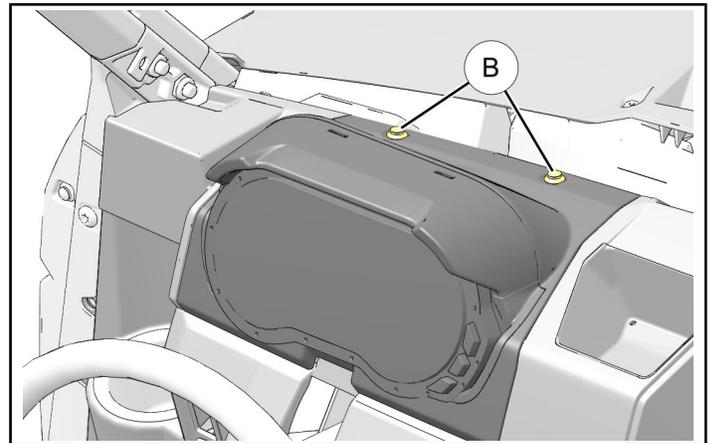
2. Flip up passenger seat bottom (**CREW VEHICLES**: right rear passenger seat bottom) and remove underseat storage compartment. Disconnect black negative (-) cable from battery.

REMOVE UPPER DASH PANEL

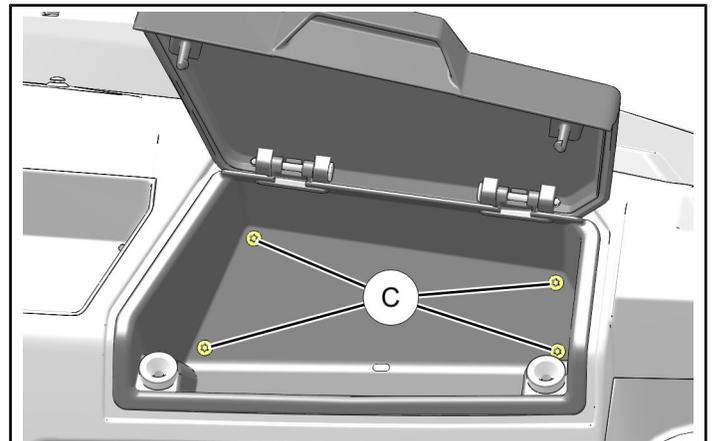
1. Remove hood.
2. If windshield is installed, then open or remove it as required to gain access to upper dash.
3. Remove upper dash cupholder by removing two push pin rivets (A), then slide cupholder rearward. Retain rivets.



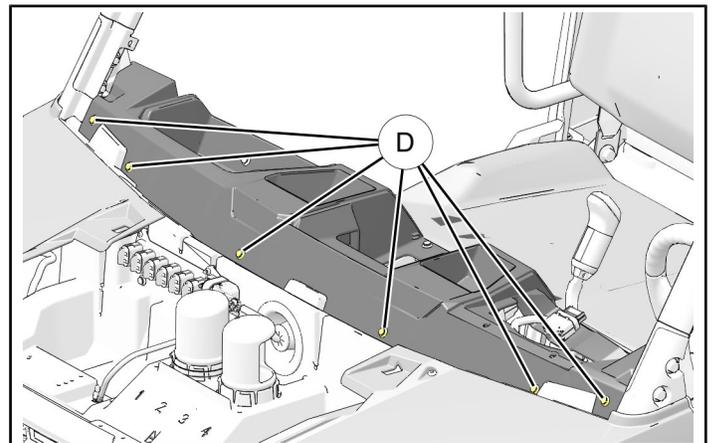
4. Tilt steering wheel to full down position. Detach instrument cluster hood by removing two push pin rivets (B), then slide hood (with instrument cluster) rearward. Disconnect instrument cluster wiring harness. Retain rivets.



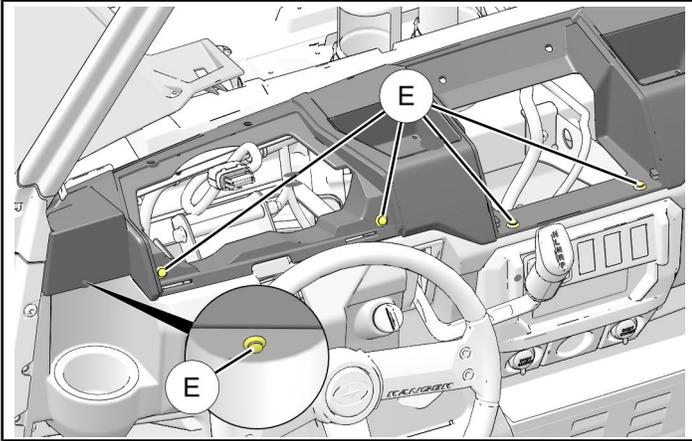
5. Open door to upper storage compartment. Remove four screws (C) from forward wall of compartment, then remove compartment/door assembly from dash. Retain screws.



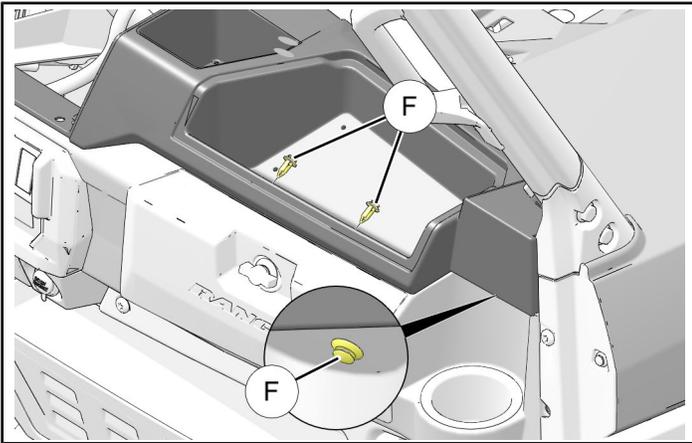
6. Remove upper dash.
 - a. Remove six push pin rivets (D) along forward edge of dash.



- b. 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.



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



- d. Remove upper dash from vehicle and set aside.

NOTE

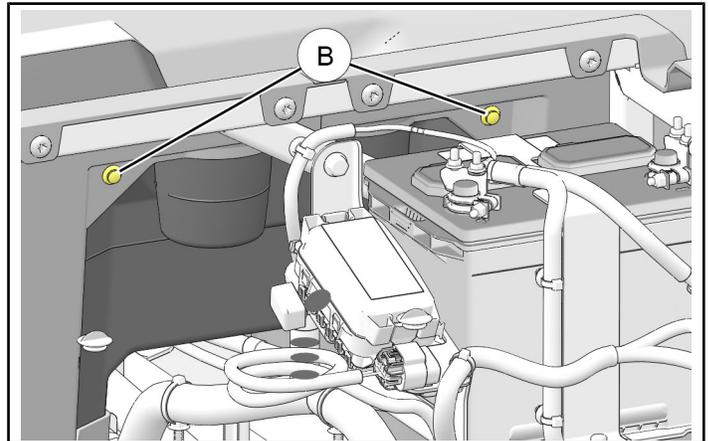
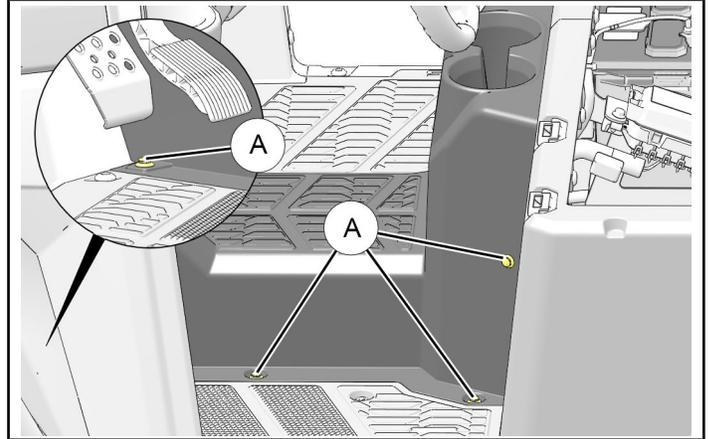
Vehicles with Heater Ducting: Either cut cable ties securing ducts to vents, or leave cable ties intact and partially lift upper dash to gain access.

REMOVE CENTER FLOOR CONSOLE

1. Remove four push pin rivets (A) from each side of center floor console, and two push pin rivets (B) (if installed) from interior of underseat storage compartment. Retain rivets.

NOTE

LH side shown; RH side opposite.



2. Lift rear of console, disengage tab at front of console, then remove console from vehicle.
3. **RANGER CREW®:** Also remove center rear floor console. Push pin rivet locations similar to center front floor console.

ACCESSORY INSTALLATION

OPTIONAL: If also installing RIDE COMMAND® Audio Kit (PN 2883956, sold separately), then install dash speakers, speaker harnesses, and amp. Return to this step when complete. See instructions included in that kit.

NOTE

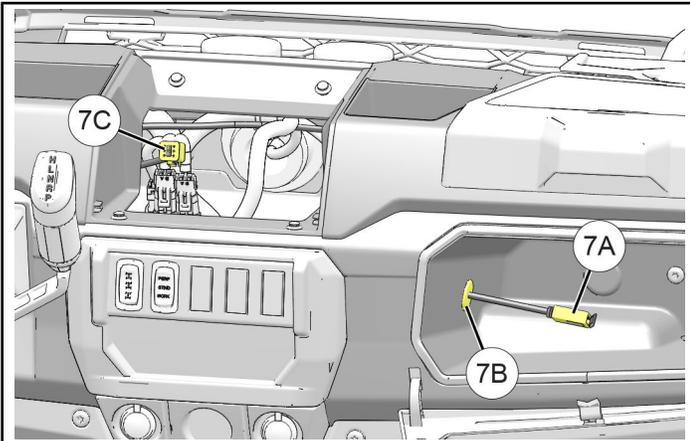
Do not install AM/FM antenna and associated harnesses at this time.

INSTALL USB HARNESS

NOTE

See previous section, **HARNESS DETAIL**, for connector identification.
Upper dash panel shown installed to clarify final connector locations.

1. 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.



2. 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.

3. 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.

INSTALL DISPLAY HARNESS

NOTE

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

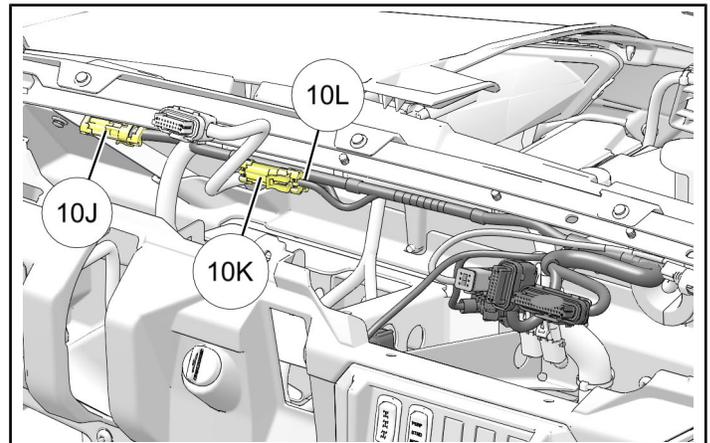
1. Extend LH branch of display harness ⑩ (with connectors 10J, 10K, and 10L) along dash support bracket towards LH side of vehicle. Do not secure harness to dash at this time.

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.

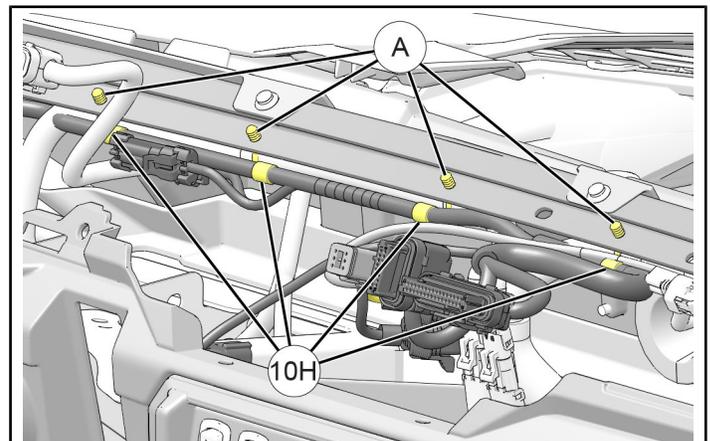
- Connector 10J to RIDE COMMAND® Audio Kit (PN 2883956)
- Connectors 10K and 10L to Roof Speaker Kit (PN 2882876) OR Door Speaker Kit (PN 2882889)

NOTE

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

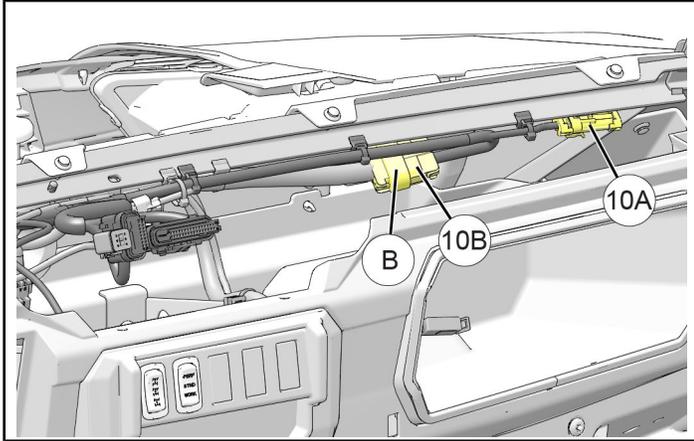


2. Ensure LH harness branch is routed to prevent contact with hot components, sharp edges, or moving parts, then secure as shown:
 - Four cable ties ⑮ to main chassis harness (white tape locations 10H identify installation locations)
 - Installation locations will generally coincide with existing chassis harness routing clips ①



3. Extend RH branch of display harness ⑩ (with connectors 10A and 10B) along dash support bracket towards RH side of vehicle. Join connector 10B to mating chassis harness connector ⑧. Do not secure harness to dash at this time.

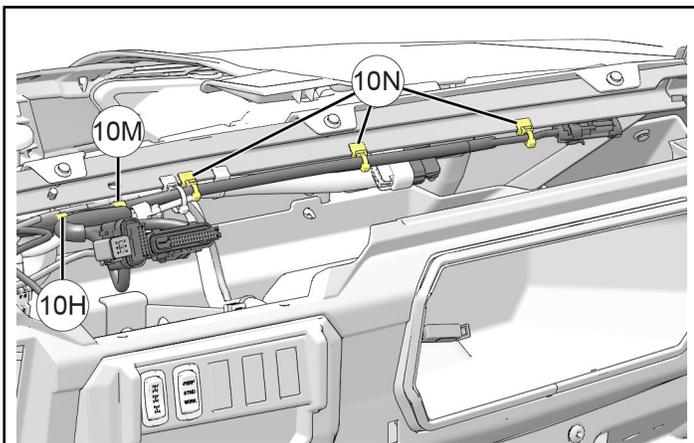
OPTIONAL: Remove cap from connector 10A, then join to RIDE COMMAND® Audio Kit (PN 2883956, sold separately). See instructions included with audio kit for detail.



4. Ensure RH harness branch is routed to prevent contact with hot components, sharp edges, or moving parts, then secure as shown:
 - Cable tie ⑮ to main chassis harness (red tape location 10M identifies installation location)
 - Three edge clips 10N to dash support bracket

NOTE

Furthest RH white tape location 10H shown for reference only.



5. **OPTIONAL:** Remove applicable caps, then join display harness connectors 10E, 10F, AND 10G to accessory kits as follows (kits sold separately). See instructions included with applicable kit(s) for detail.

CAUTION

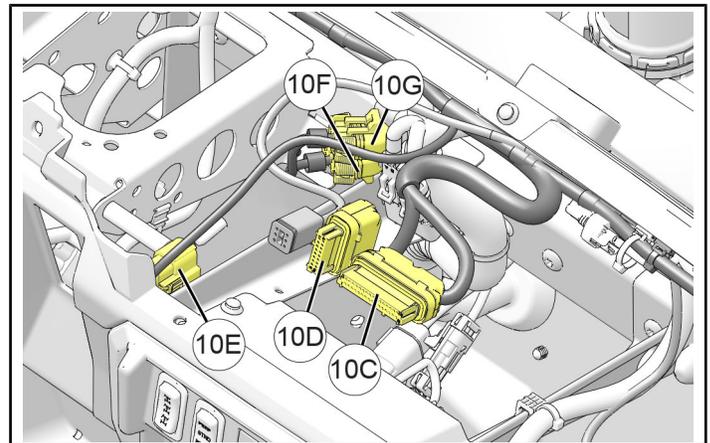
Do NOT join audio adapter harness(es) ⑭ to display harness ⑩ unless also connecting an accessory as described below.

Exposed bullet connector 14A may short against vehicle structure and damage the RIDE COMMAND® display or other vehicle components.

- **10E:** To RIDE COMMAND® Audio Kit (PN 2883956)
- **10F (AMP 2):** To connector 14C on audio adapter harness ⑭. Connectors 14A and 14B are then joined to Visor Speaker Kit (PN 2882891).
- **10G (SUBWOOFER):** To connector 14C on audio adapter harness ⑭. Connectors 14A and 14B are then joined to Subwoofer Kit (PN 2884233).

NOTE

Connectors 10C and 10D will be joined to RIDE COMMAND® display in a later step.



6. Ensure harness connectors are routed to prevent contact with hot components, sharp edges, or moving parts, then secure as required using cable ties ⑮.

INSTALL REAR CAMERA

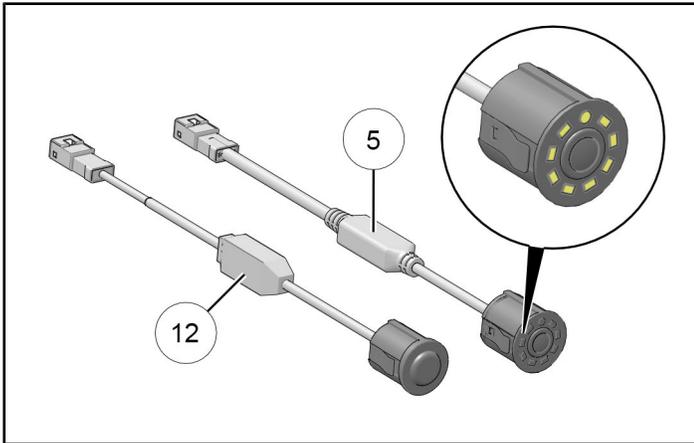
NOTE

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

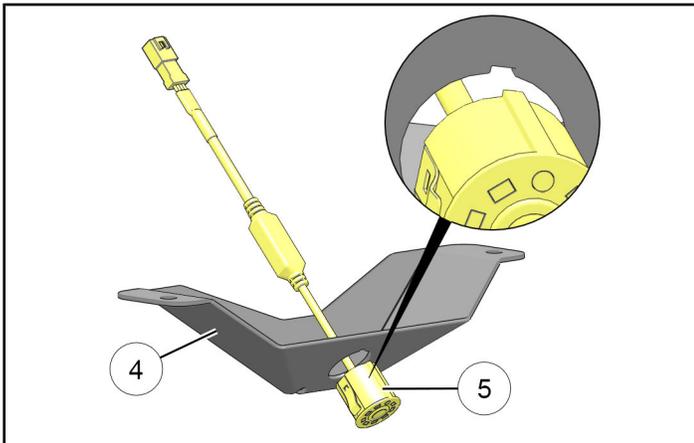
1. Identify rear camera ⑤ (with ring of LED lamps).

NOTE

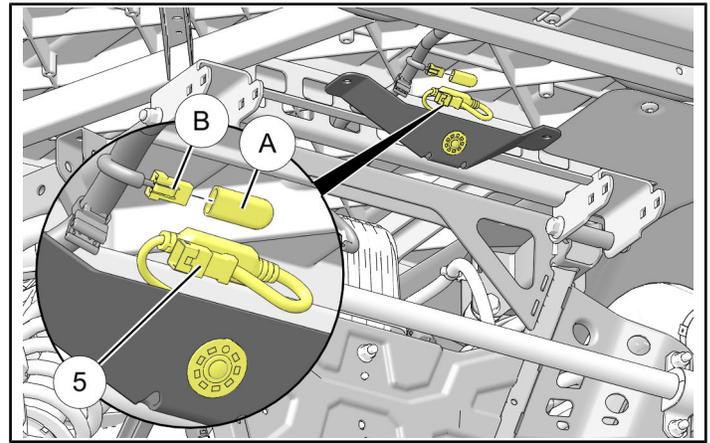
Front and rear cameras are similar in appearance except that REAR camera ⑤ has ring of LED lamps, front camera ⑫ does not.



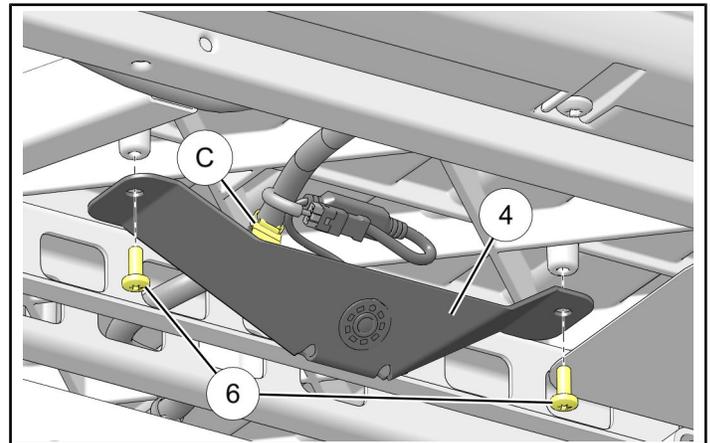
2. Route wiring on rear camera ⑤ through rear camera bracket ④. Orient spline on camera with slot in bracket, then insert camera into bracket until locking clips snap into place.



3. Remove cap ① from main chassis harness breakout connector ②. Join breakout connector to rear camera ⑤.



4. Install chassis harness edge clip ③ to rear edge of rear camera bracket ④, then install bracket to lower rear surface of vehicle bed using two screws ⑥. Do not overtighten screws.

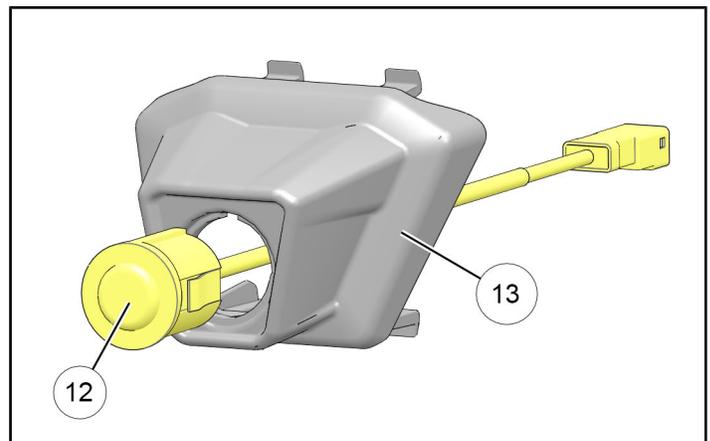


INSTALL FRONT CAMERA

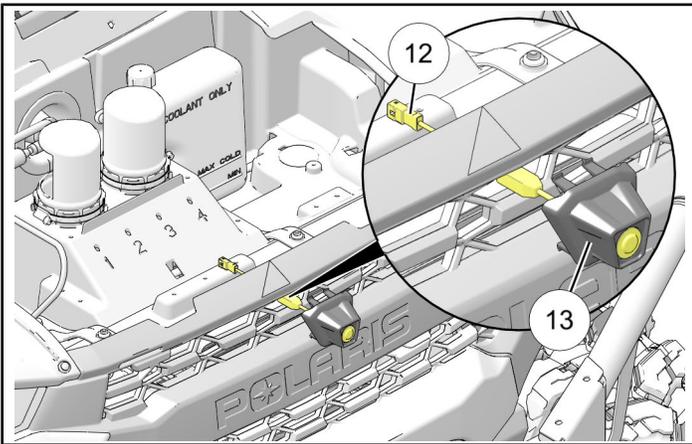
NOTE

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

1. Route wiring on front camera ⑫ through front camera bracket ⑬. Orient spline on camera with slot in bracket, then insert camera into bracket until locking clips snap into place.



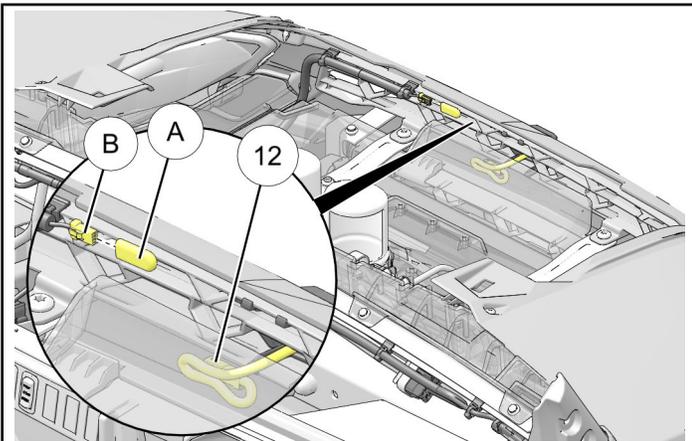
- Route wiring attached to front camera ⑫ rearward through upper fascia, then carefully push front camera bracket ⑬ into fascia until all four tabs lock in place. Ensure the following:
 - Camera bracket is positioned as high as possible with camera pointing DOWNWARD
 - Camera wiring is not pinched or kinked as it passes through fascia



- Remove cap ① from main chassis harness breakout connector ②. Join breakout connector to front camera ⑫.

NOTE

Underhood liner shown partially transparent for clarity.



INSTALL GPS ANTENNA

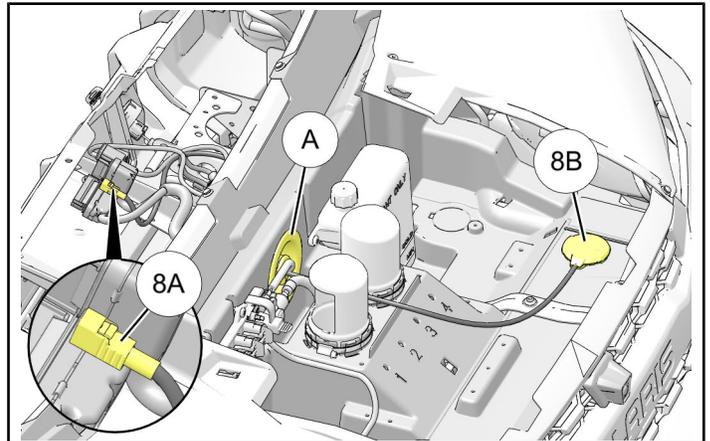
NOTE

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

- Route connector 8A on GPS antenna ⑧ rearward through firewall grommet ①.

NOTE

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



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

Use cable tie ⑮ 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.

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

INSTALL AMBIENT AIR TEMPERATURE SENSOR

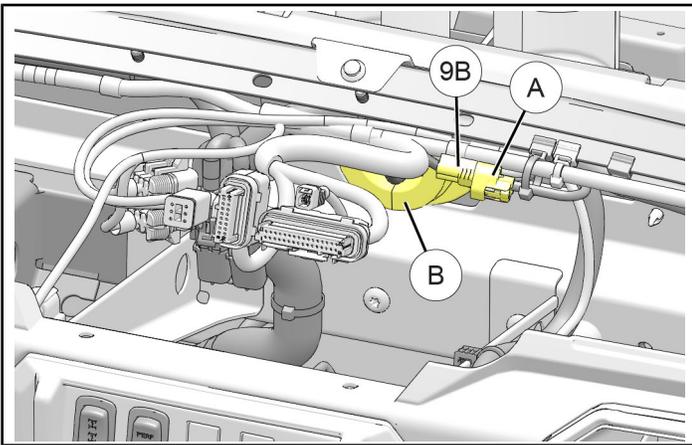
NOTE

See previous section, **HARNESS DETAIL**, for connector identification.
The **ambient air** temperature sensor is NOT an **engine** temperature sensor.

1. Join connector 9B on ambient air temperature sensor ⑨ to main chassis harness breakout connector ①. Route sensor 9A (on opposite end) forward through firewall grommet ②.

NOTE

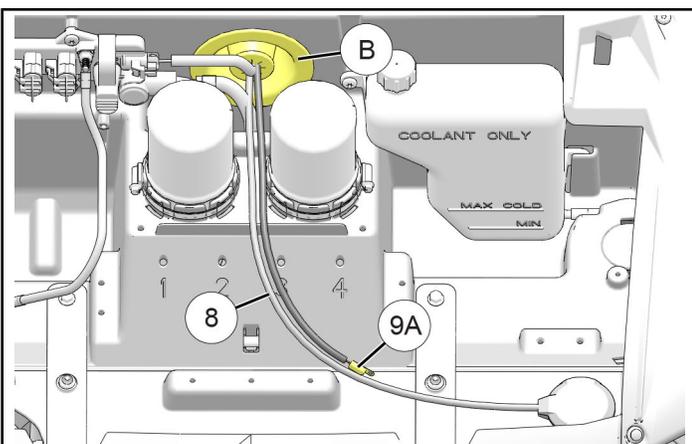
If plug is pre-installed to breakout connector ①, remove it prior to joining connector 9B.



2. Secure ambient air temperature harness to GPS antenna ⑧ using cable tie ⑮.

IMPORTANT

Sensor 9A 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.



OPTIONAL INSTALLATIONS

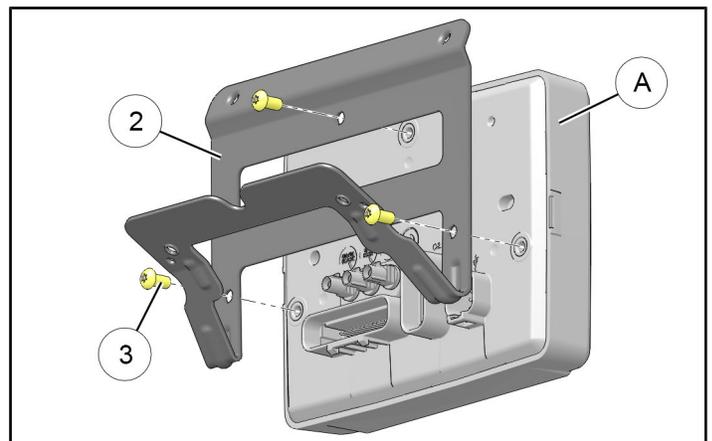
1. **OPTIONAL:** If also installing Vehicle-to-Vehicle Antenna Kit (PN 2884004; parts included loose in this RIDE COMMAND® Installation Kit), then install V2V antenna and associated harness. Return to this step when complete. See separate vehicle-to-vehicle antenna instructions included in this kit.
2. **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.

INSTALL RIDE COMMAND® DISPLAY

NOTE

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

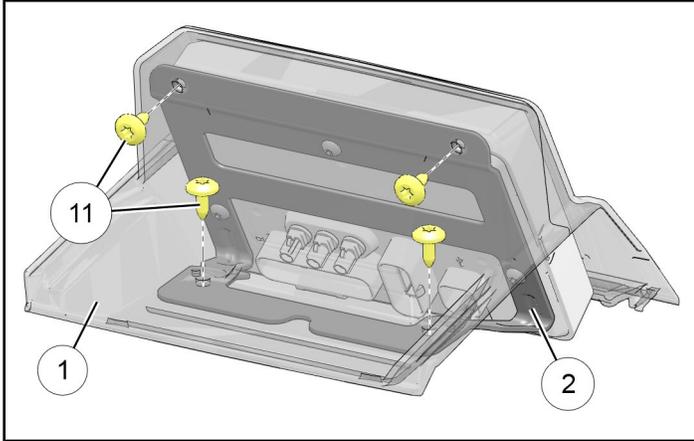
1. Carefully examine all harness routing. Ensure harnesses are secured to prevent contact with hot components, sharp edges, or moving parts. Use cable ties ⑮ as required.
 - USB harness ⑦
 - GPS antenna ⑧
 - Ambient air temperature sensor harness ⑨
 - Display harness ⑩
 - Audio adapter harness(es) ⑭ (if applicable)
 - **OPTIONAL:** All harnesses provided with Vehicle-to-Vehicle Antenna Kit, RIDE COMMAND® Audio Kit, or any other accessory kit
2. Install bracket ② to display ① using three screws ③. Do not over-tighten screws.



- Slide bracket ② (with display) into bezel ①, then secure using four screws ⑪.

NOTE

Bezel shown partially transparent for clarity.

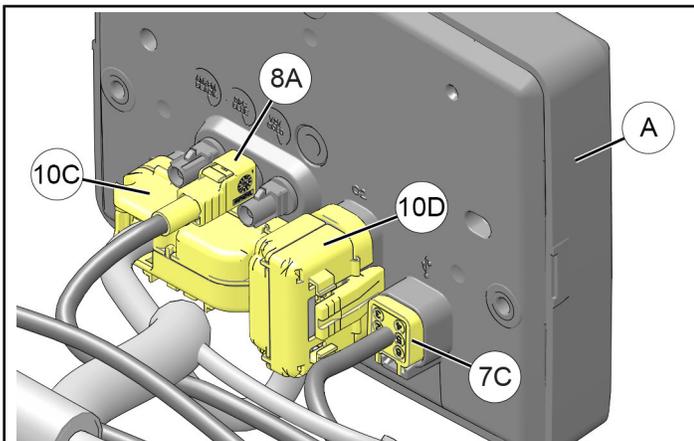


- Ensure connector routing prevents contact with hot components, sharp edges, or moving parts, then make the following connections to display ①:

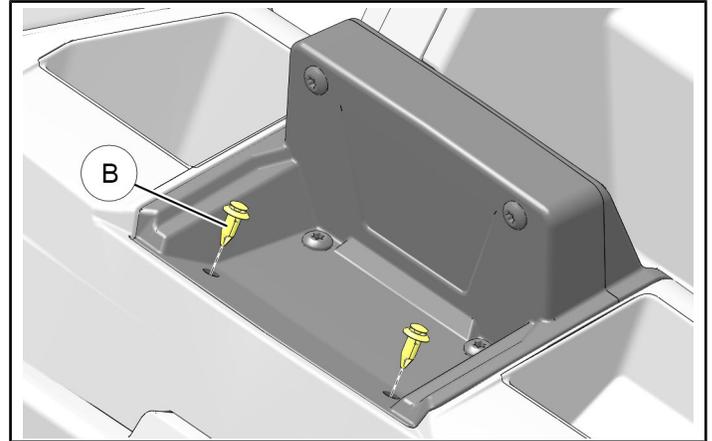
NOTE

Bezel and bracket hidden for clarity.

- 32-pin connector 10C and 16-pin connector 10D, both on display harness ⑩
- 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 in that kit.



- Install display assembly into vehicle, then secure with two retained push pin rivets ③.

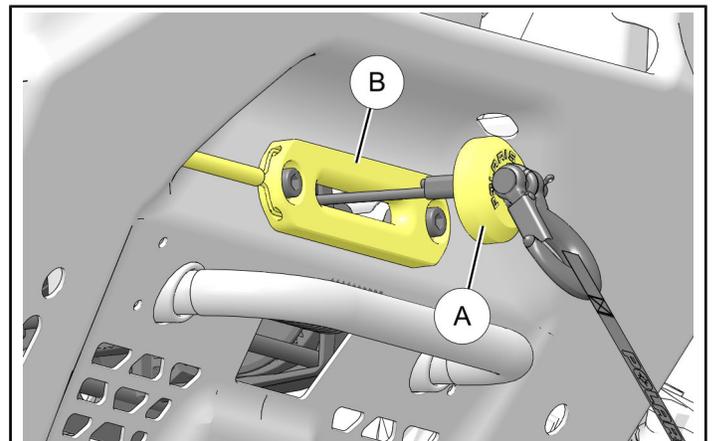


FINISHING STEPS

- Restore vehicle condition by reversing the steps in each of these previous sections:
 - **REMOVE CENTER FLOOR CONSOLE**
 - **REMOVE UPPER DASH PANEL**
 - **DISCONNECT BATTERY**
- Perform setup for display per RIDE COMMAND® Owner's Manual.
- If a **PLOW SYSTEM** is installed (sold separately), then perform functional check of RIDE COMMAND® **PLOW MODE**.
 - Place vehicle transmission in "PARK" with engine ON.
 - Ensure plow blade is completely lowered to the ground.
 - Ensure magnetic stop ① is positioned at least 6 inches (300 mm) from autostop fairlead ②.

NOTE

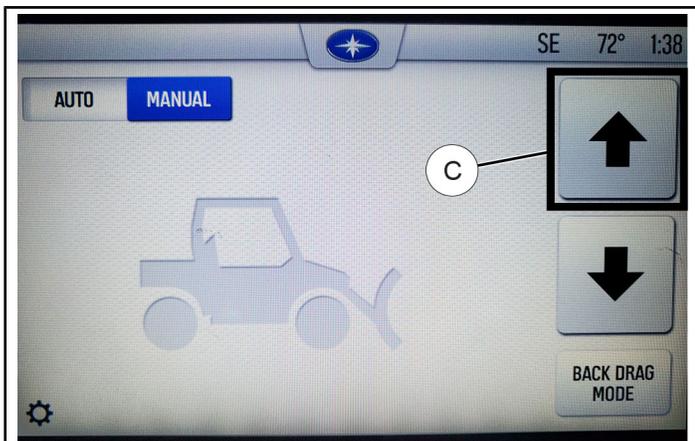
Plow system not shown for clarity.



- d. Navigate to PLOW MODE screen. Touch and hold UP ARROW button ③ while attempting to slide button to the left (to lift plow).

NOTE

Plow mode can be in either MANUAL or AUTO mode for this check.



- If winch lifts plow blade to raised position, then no further action is required. Installation is complete. Skip Step 4.
- If winch does NOT lift plow blade to raised position, then proceed to next Step 4.

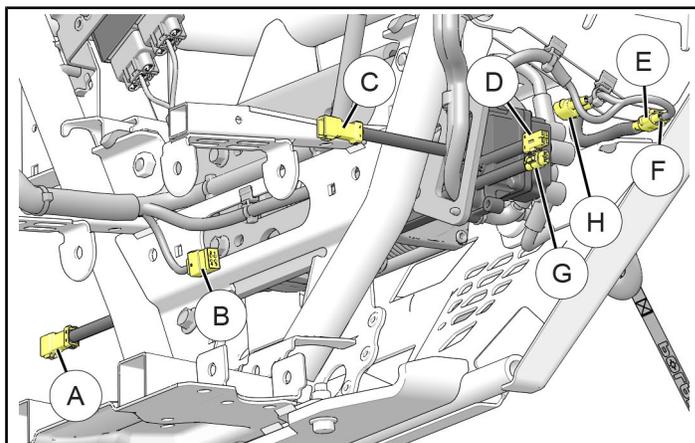
4. Install autostop controller harness ⑩.

IMPORTANT

This harness is ONLY installed if directed in previous Step 3d.

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

Observe the following winch connections:



- Autostop controller connector ① is joined to main chassis breakout connector ②; **no change necessary**
- Contactor connector ③ is joined to autostop controller connector ④; **no change necessary**
- Autostop fairlead connector ⑤ is joined to main chassis breakout connector ⑥; **no change necessary**
- Autostop controller connector ⑦ is joined to main chassis breakout connector ⑧; **THESE TWO CONNECTORS MUST BE DETACHED** and autostop controller harness ⑩ inserted between them as follows:
 - Autostop controller connector ⑦ is joined to connector 16B
 - Main chassis breakout connector ⑧ is joined to connector 16A

IMPORTANT

The wiring coming from the autostop fairlead (connector ⑤) is NOT detached from the main chassis breakout harness (connector ⑥). Although autostop controller harness ⑩ will fit at that location it will NOT enable plow mode to function properly.

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.

