

# RIDE COMMAND™ 7" DISPLAY MOUNT KIT



**P/N 2884021**

## APPLICATION

Verify accessory fitment at [Polaris.com](http://Polaris.com).

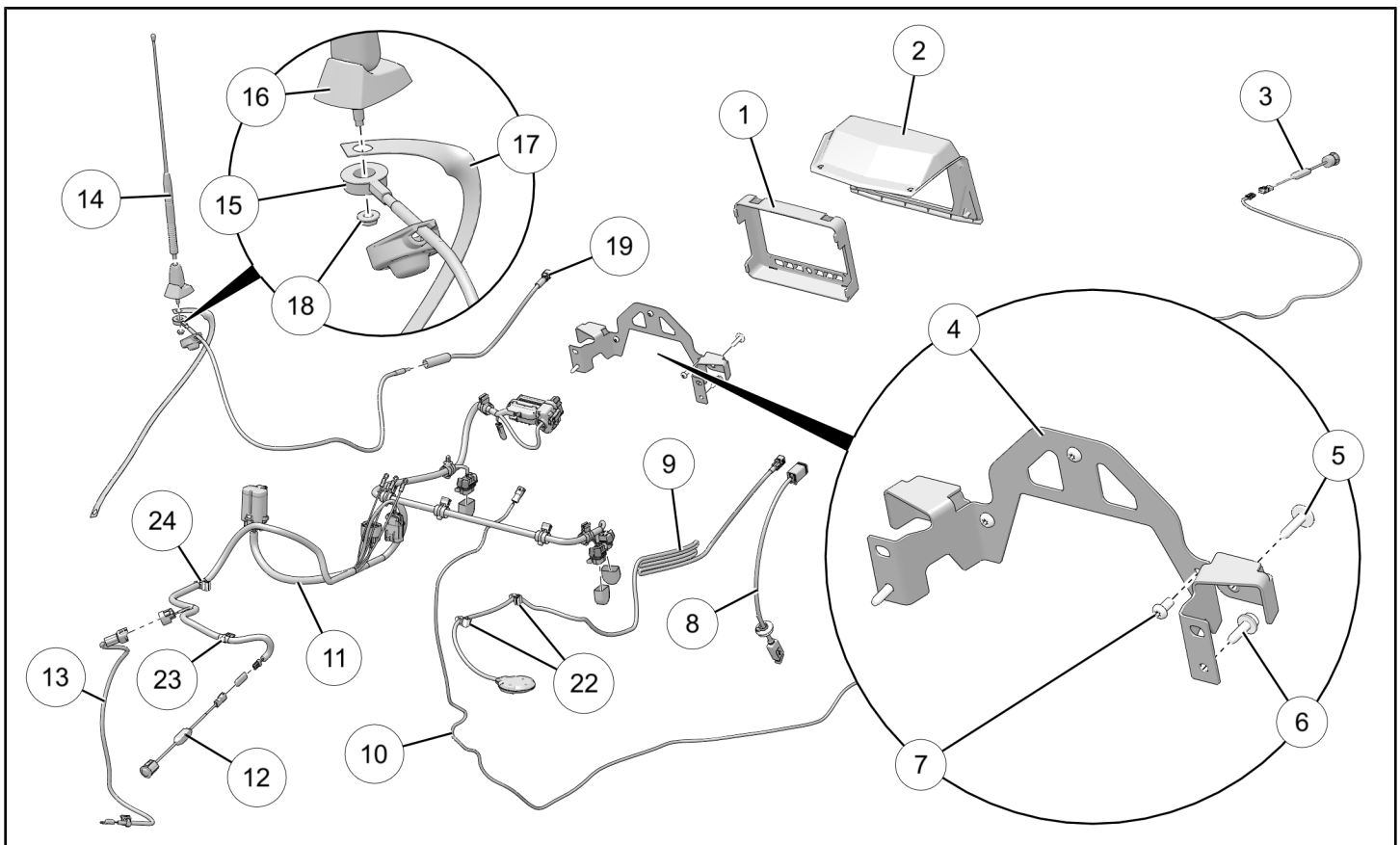
## BEFORE YOU BEGIN

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 display mount only. 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	5455574-070
2	1	Trim	-
3	1	Camera, Rear	4015873
4	1	Bracket, Display	5266577-329
5	2	Screw, Torx® Truss Head - M6 X 1.0 X 25	7519650
6	2	Screw, Hex Washer Head - M6 X 1.0 X 20	7518529

REF	QTY	PART DESCRIPTION	PART NUMBER
7	3	Screw, Torx® Button Head - M6 X 1.0 X 12	7519063
8	1	Harness, USB	2414710
9	1	Antenna, GPS (with harness)	4017533
10	1	Harness, Rear Camera	2413452
11	1	Harness, Display (includes items 11.1–11.2)	2414711
11.1	2	- Cap, Video	5438230
11.2	3	- Cap, Audio	5438233
12	1	Camera, Front	4016639
13	1	Harness, Ambient Air Temperature Sensor	2413743
14	1	Mast, Antenna, AM/FM	4014849
15	1	Harness, Antenna, AM/FM	2414727
16	1	Base, Antenna, AM/FM	4016695
17	1	Ground Strap, Antenna, AM/FM	4016696
18	1	Nut, Hex Flange - M5 X 0.8	7547437
19	1	Harness, Adapter, Antenna, AM/FM	2414431
20	20	Cable Tie (not shown)	7080492
21	3	Harness, Audio Adapter (not shown)	2883232
22	2	Edge Clip	7082402
23	1	Edge Clip	7081890
24	1	Edge Clip	7081808
	1	Instructions	9929345

## TOOLS REQUIRED

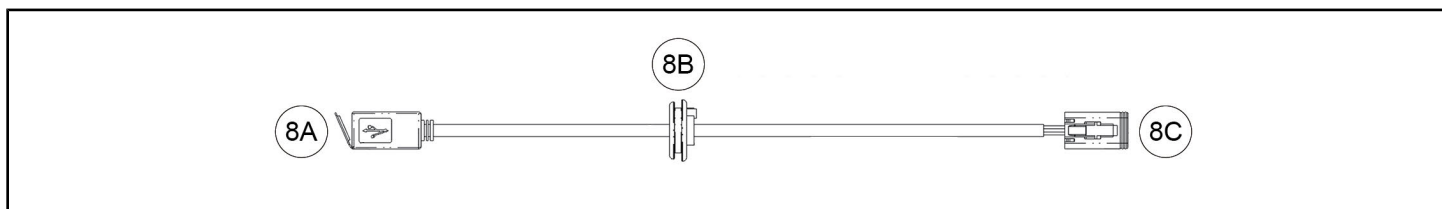
- Safety Glasses
- Cutting Tool
- Drill
- Drill Bit: 3/16 inch (5 mm), 1/4 inch (6 mm), 1/2 inch (12 mm), 7/8 inch (22 mm)
- Pliers, Push Pin Rivet
- Ruler
- Screwdriver Set, Torx®
- Socket Set, Metric
- Socket Set, Torx® Bit
- Torque Wrench
- Wrench Set, Metric

## IMPORTANT

Your RIDE COMMAND™ 7" Display Mount 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.

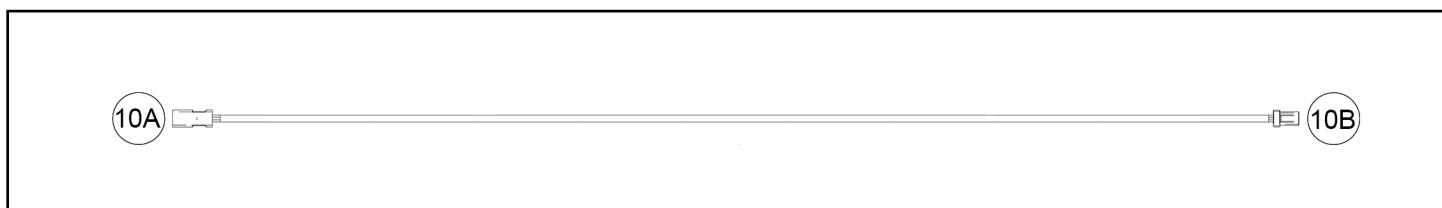
## HARNESS DETAIL

### USB HARNESS ⑧:



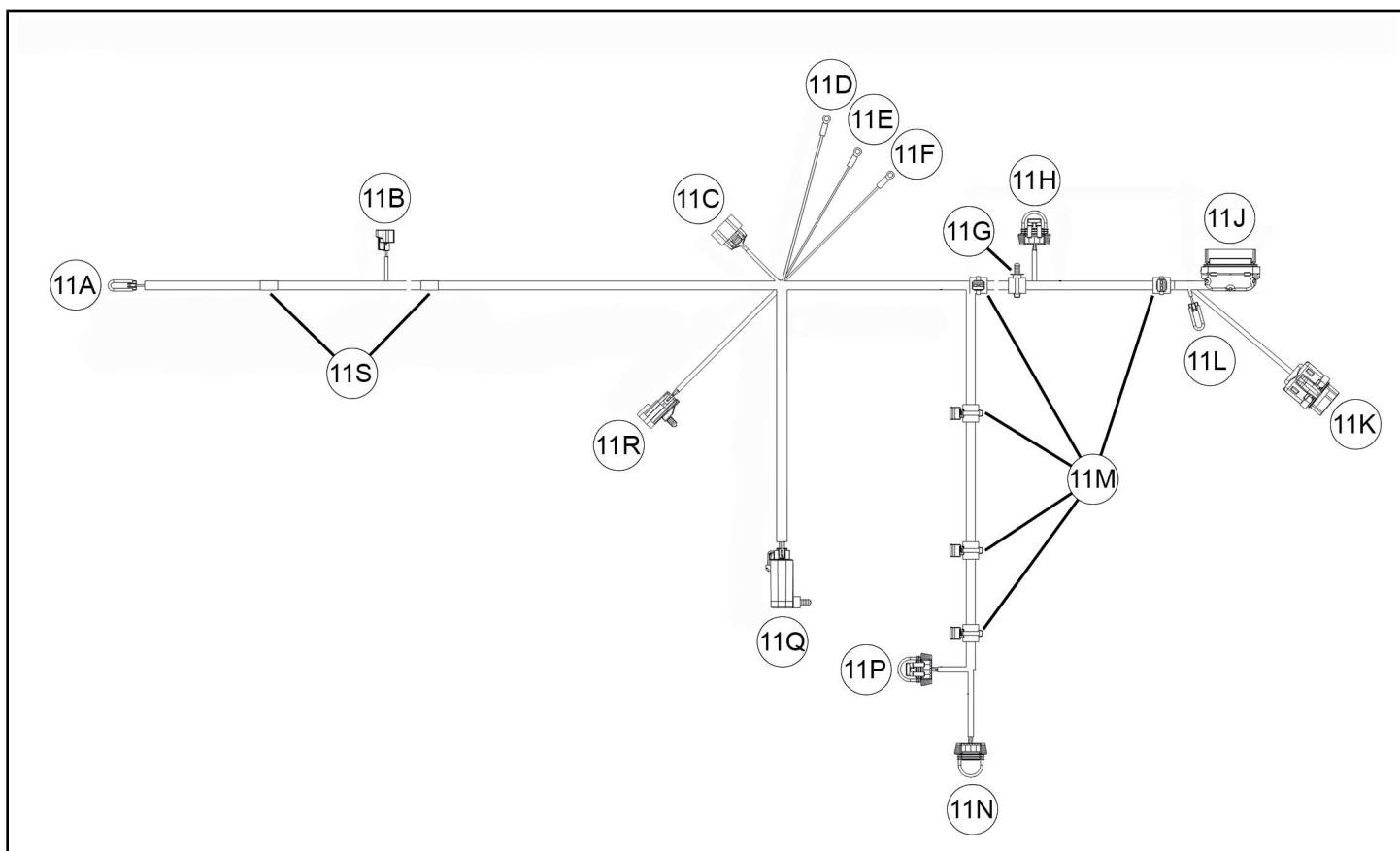
REF	PART DESCRIPTION	WIRE COLOR	PIN QTY/ GENDER	CONNECTS TO
8A	Connector, USB	-	female	OPTIONAL: Alternate source unit (not included)
8B	Grommet	-	-	Vehicle structure
8C	Connector, Display	-	6 female	Ride Command™ display

### REAR CAMERA HARNESS ⑩:



REF	PART DESCRIPTION	WIRE COLOR	PIN QTY/ GENDER	CONNECTS TO
10A	Connector, Display Harness Video Rear	-	4 male	Display harness ⑪, connector 11L
10B	Connector, Rear Camera	-	4 female	Rear camera ③

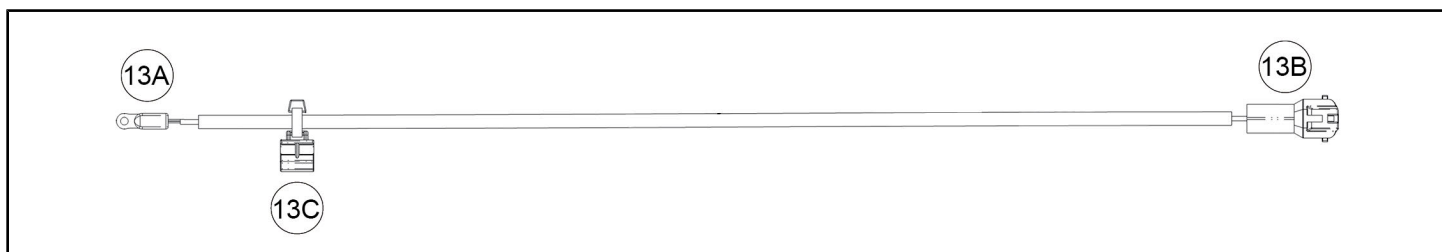
## DISPLAY HARNESS ⑪:



REF	PART DESCRIPTION	WIRE COLOR	PIN QTY/ GENDER	CONNECTS TO
11A	Connector (with cap) (identified as: <b>VIDEO FRONT</b> )	-	4 female	Front camera ⑫
11B	Connector, Ambient Air Temperature Sensor	-	2 female	Ambient Air Temperature Sensor ⑬, connector 13B
11C	Connector, Vehicle Diagnostic	-	8 female	Nothing (becomes new vehicle diagnostic port)
11D	Terminal, Ring - 3/16 inch (5 mm)	Red	-	Terminal block post with existing RED battery connection cable (unswitched 12V POS); post may be identified as "BAT"
11E	Terminal, Ring - 3/16 inch (5 mm)	Orange/ White	-	Terminal block post with existing ORANGE wire (accessory switched 12V POS); post may be identified as "ACC"
11F	Terminal, Ring - 3/16 inch (5 mm)	Brown	-	Terminal block post with existing BLACK battery connection cable (12V NEG); post may be identified as "GND"
11G	Clip, Routing	-	-	Vehicle structure
11H	Connector (with cap) (identified as: <b>AUDIO AMP 2</b> )	-	8 female	OPTIONAL: Audio adapter harness ⑰, connector 21C
11J	Connector, Display	-	32 female	Ride Command™ display

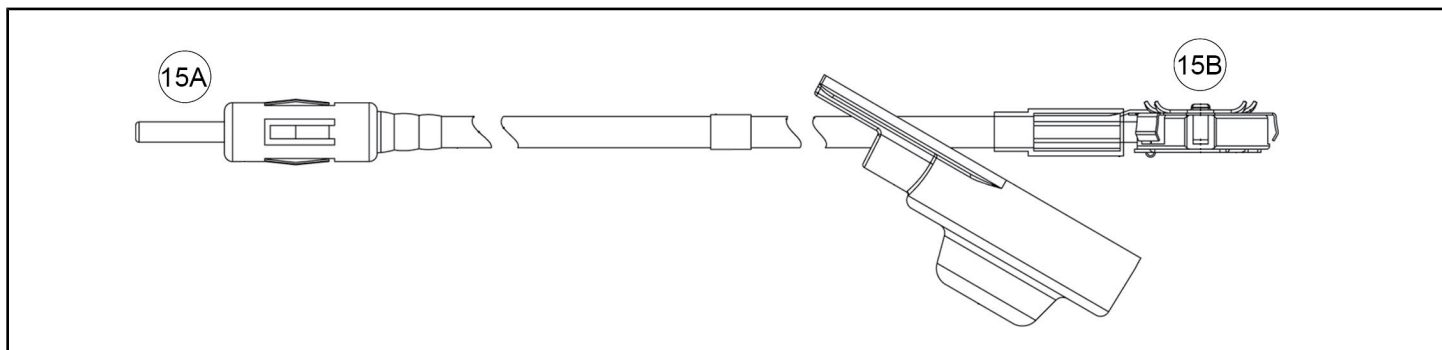
REF	PART DESCRIPTION	WIRE COLOR	PIN QTY/ GENDER	CONNECTS TO
11K	Connector, Display	-	16 female	Ride Command™ display
11L	Connector (with cap) (identified as: <b>VIDEO REAR</b> )	-	4 female	Rear camera harness ⑩, connector 10A
11M	Clip, Edge	-	-	Vehicle structure
11N	Connector (with cap) (identified as: <b>AUDIO AMP 3</b> )	-	8 female	OPTIONAL: Audio adapter harness ⑪, connector 21C
11P	Connector (with cap) (identified as: <b>AUDIO AMP 1</b> )	-	8 female	OPTIONAL: Audio adapter harness ⑪, connector 21C, or Dash Amp Kit (PN 2884064 or equivalent)
11Q	Relay/Fuse Block	-	-	Vehicle structure
11R	Connector, Vehicle Diagnostic	-	8 male	Existing vehicle side diagnostic port
11S	Tape, White (2 places)	-	-	Identifies installation location for cable tie ⑳, edge clip ㉓, or edge clip ㉔; see Steps 7–8 for detail.

#### AMBIENT AIR TEMPERATURE SENSOR HARNESS ⑬:



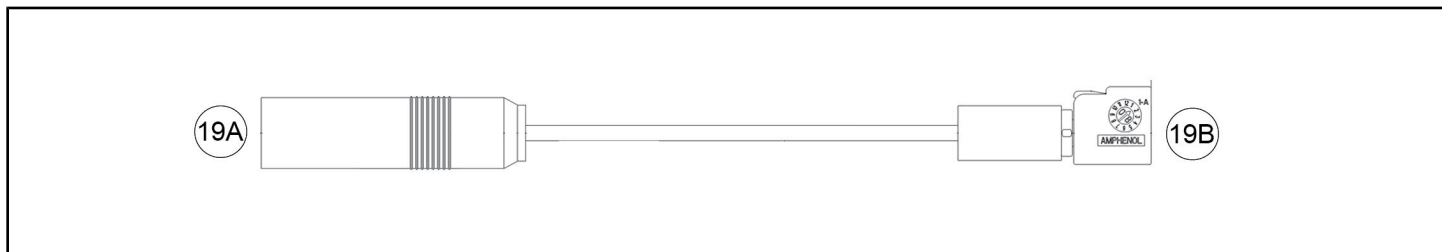
REF	PART DESCRIPTION	WIRE COLOR	PIN QTY/ GENDER	CONNECTS TO
13A	Sensor, Ambient Air Temperature	-	-	Nothing (exposed to ambient air flow)
13B	Connector, Ambient Air Temperature	-	2 male	Display harness ⑪, connector 11B
13C	Clip, Edge	-	-	Vehicle structure

#### AM/FM ANTENNA HARNESS ⑮:



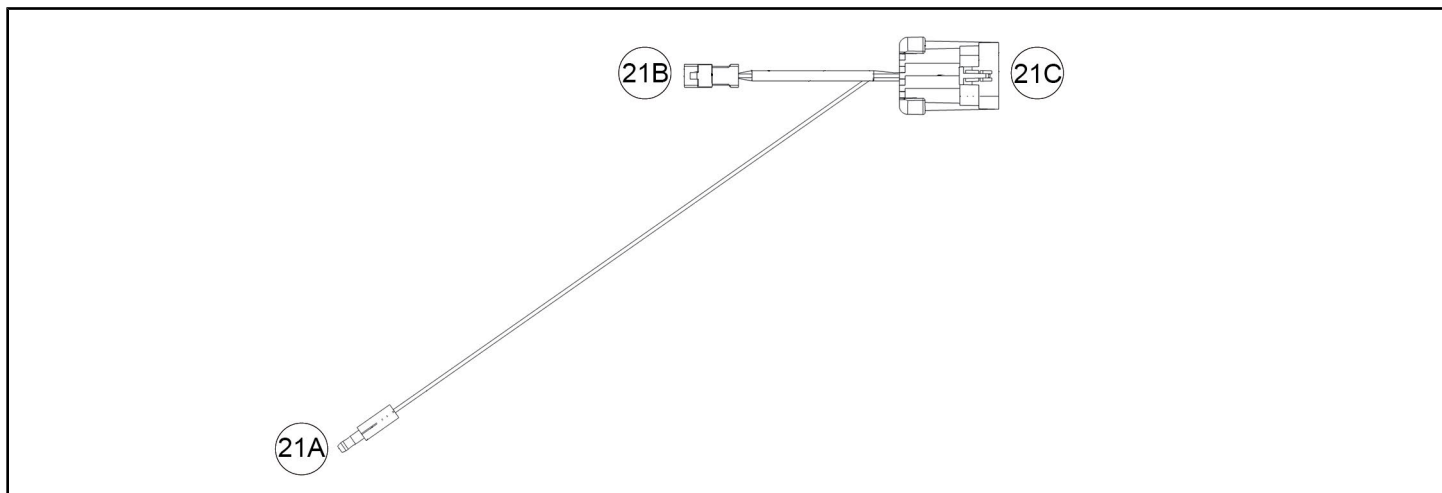
REF	PART DESCRIPTION	WIRE COLOR	PIN QTY/ GENDER	CONNECTS TO
15A	Connector, AM/FM Antenna	RF coaxial	1 male	AM/FM antenna adapter harness ①⑨, connector 19A
15B	Connector, AM/FM Antenna	-	FIAMM	Antenna base ①⑥

#### AM/FM ANTENNA ADAPTER HARNESS ①⑨:



REF	PART DESCRIPTION	WIRE COLOR	PIN QTY/ GENDER	CONNECTS TO
19A	Connector, AM/FM Antenna	RF coaxial	1 female	AM/FM antenna harness ①⑤, connector 15A
19B	Connector, AM/FM Antenna	-	-	Ride Command™ display

#### AUDIO ADAPTER HARNESS ②①:



REF	PART DESCRIPTION	WIRE COLOR	PIN QTY/ GENDER	CONNECTS TO
21A	Connector, Bullet, Remote On	Blue	1 male	Amp or amplified speaker kit (sold separately)
21B	Connector, Audio Out	-	4 male	
21C	Connector, Display	-	8 male	Connectors 11H, 11N, or 11P; see installation Step 8e.

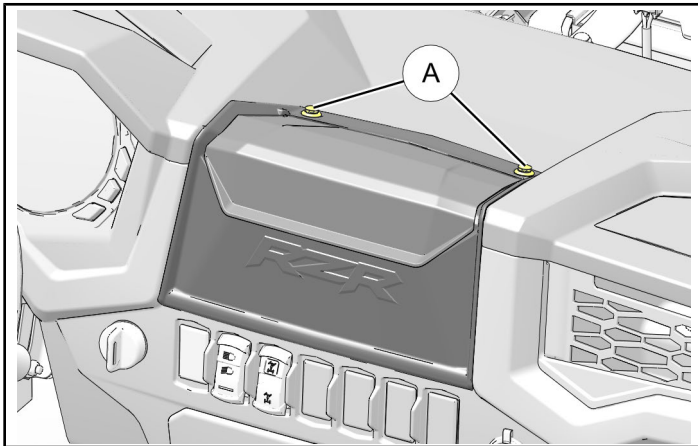
## INSTALLATION INSTRUCTIONS

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

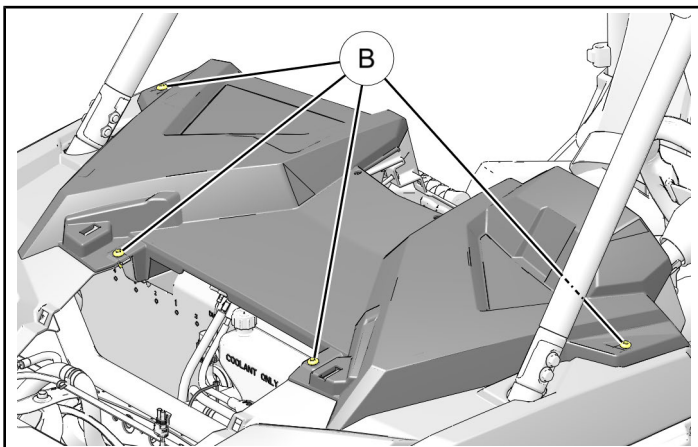
### **⚠ WARNING**

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. Remove driver's (or left rear passenger) seat and disconnect black negative (-) cable from battery.
3. Gain access.
  - a. Remove hood.
  - b. Remove windshield (if installed).
  - c. Remove upper dash storage compartment by removing two push pin rivets (A), then slide compartment rearward to detach two tabs on lower rear corners. Retain rivets.



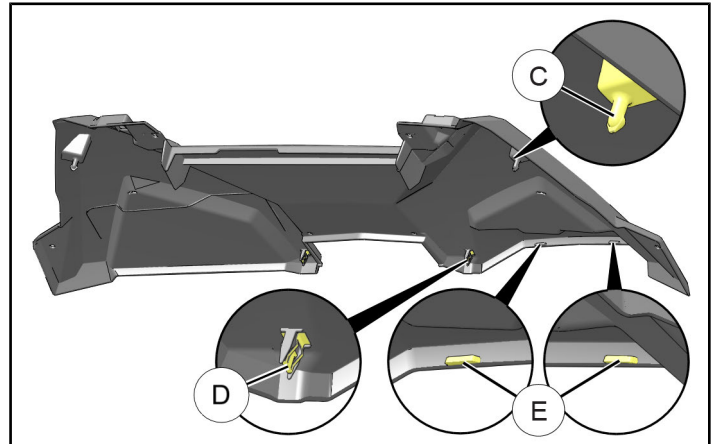
- d. Remove upper dash panel.
  - i. Remove four screws (B) securing upper dash panel. Retain screws.



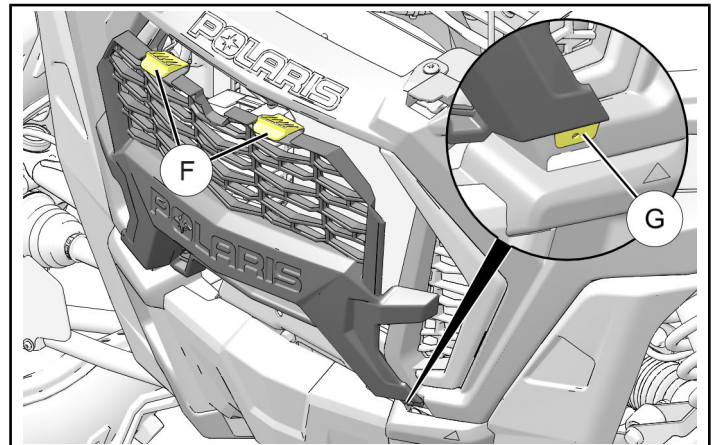
- ii. Lift front of upper dash panel, detaching two posts (C) (LH and RH). Carefully lift and pull panel rearward, disengaging two retaining clips (D) (LH and RH) and two tabs (E).

### **NOTE**

Tabs located immediately above instrument cluster.



- e. Remove front grille by depressing two tabs (F) at top of grille, tip grille slightly outward, then lift to disengage two lower tabs (G) (LH and RH).



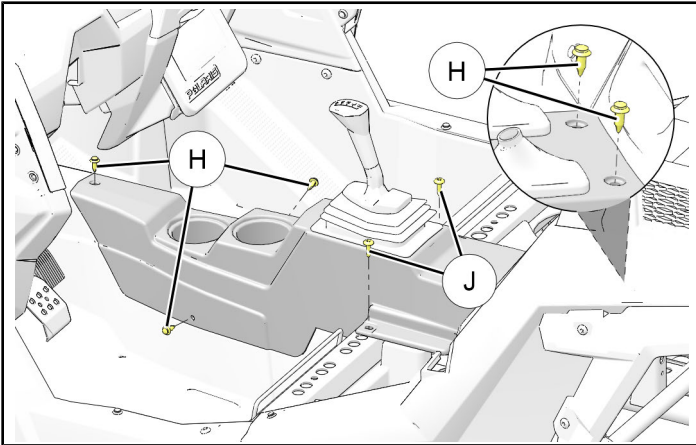
- f. Remove seats.



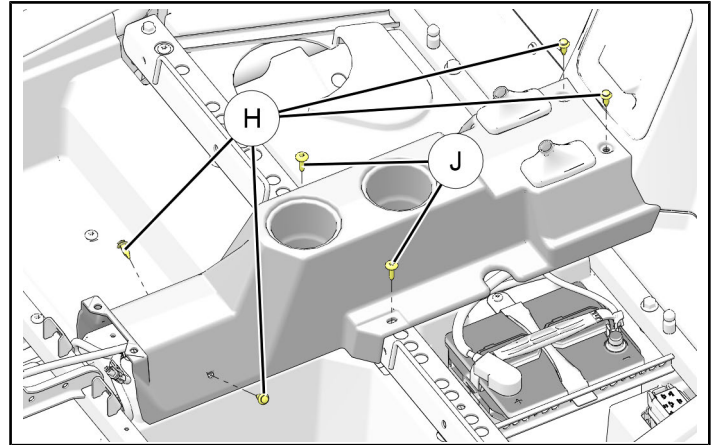
- g. Remove center floor console.

## 2-SEAT VEHICLES

Remove five push pin rivets (H) and two screws (J). Remove center console, pushing boots for gear shift and seat belt through console openings. Retain rivets and screws.



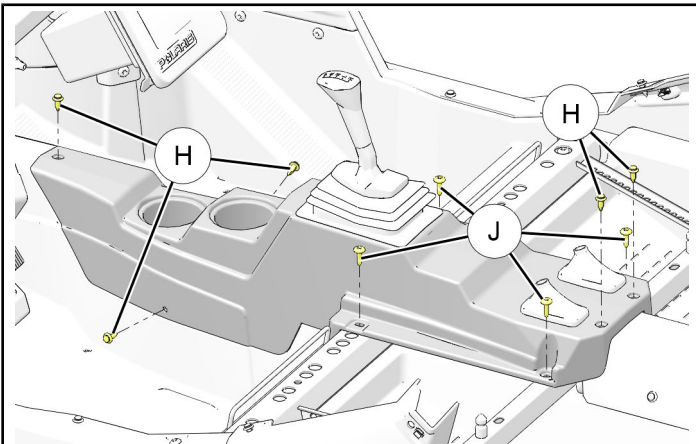
- ii. Remove four push pin rivets (H) and two screws (J) from rear floor console. Remove console, pushing boots for gear shift and seat belt through console openings. Disconnect RH side auxiliary power port (if installed). Retain rivets and screws.



- h. Remove engine access panel (located between seats).

## 4-SEAT VEHICLES

- i. Remove five push pin rivets (H) and four screws (J) from front floor console. Remove console, pushing boots for gear shift and seat belt through console openings. Retain rivets and screws.



4. Install Ride Command™ display.

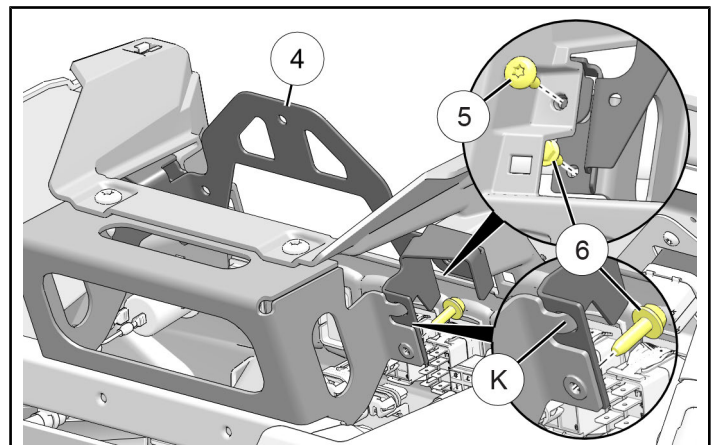
### NOTE

Ride Command™ display, PN 2884002 or equivalent, is sold separately.

- a. Install bracket (4) to dash support structure by inserting two tabs (K) through holes in bracket. Secure bracket to support structure and lower dash panel using two each screws (5) and (6).

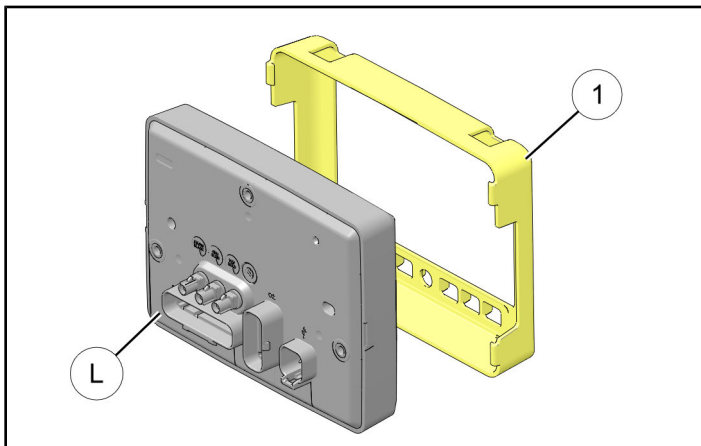
### NOTE

Lower dash panel may need to be pulled slightly rearward to accommodate bracket.





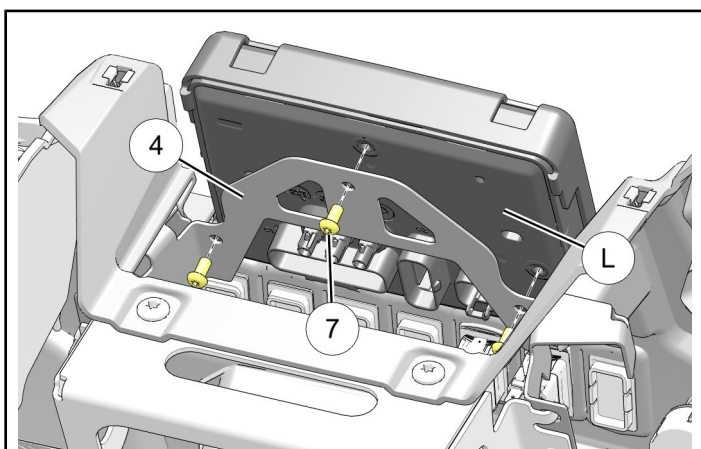
- b. Assemble bezel ① to Ride Command™ display ①. Ensure tabs snap into place on back side of display.



- c. Install display ① to bracket ④ using three screws ⑦. Torque to specification.

#### TORQUE

30 in. lbs. (3.4 Nm) ± 10%



5. Install AM/FM antenna.

#### NOTE

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

- a. Mark two holes on top of right front fender for alignment pin ① and antenna mounting post ①, both located on antenna base ①.

#### NOTE

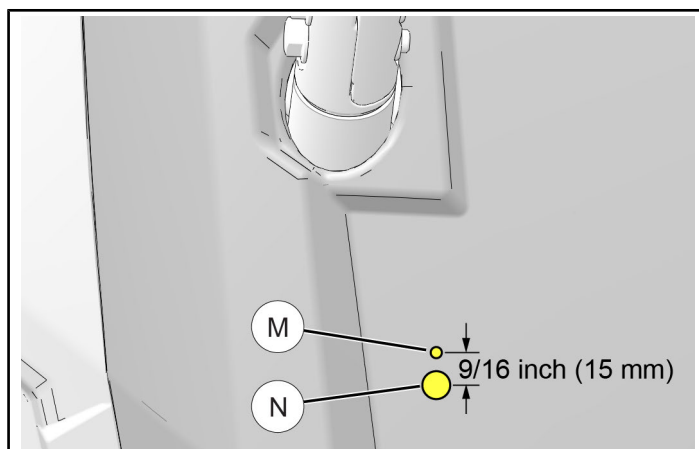
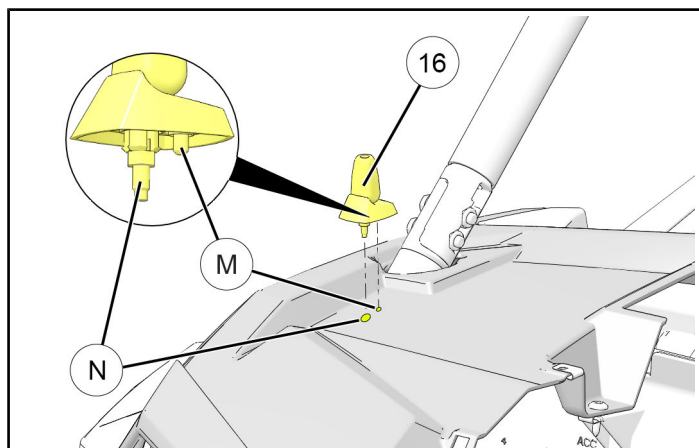
Exact base location is not critical. However, if mast tilt functionality is desired, ensure location allows desired tilt, and that ground strap ① can reach chassis ground location. See Step c. below.

Mark center of alignment pin hole ① 9/16 inch (15 mm) REARWARD from center of mounting post hole ① as shown, then drill holes at marked locations:

- 3/16 inch (5 mm) diameter hole for alignment pin ①
- 1/2 inch (12 mm) diameter hole for mounting post ①

#### IMPORTANT

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



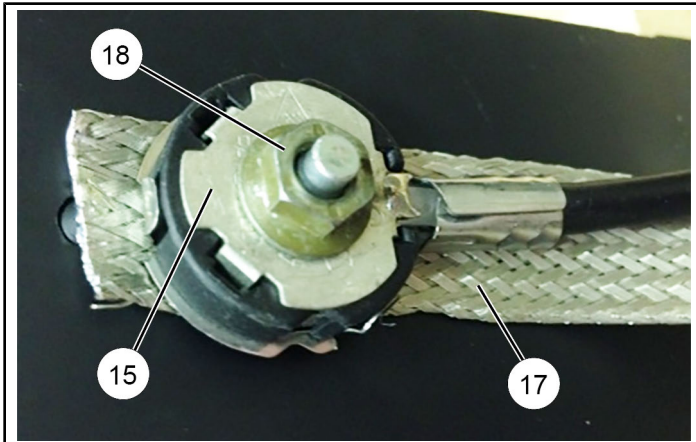
- b. Insert threaded post and alignment pin located on antenna base ⑯ through drilled holes in fender. Attach one end of ground strap ⑰ and connector 15B on antenna harness ⑮, then secure with nut ⑱. Install rubber boot.

### IMPORTANT

Do NOT remove existing nut pre-installed to threaded post.

### NOTE

View looking up at underside of fender from right front wheel well.



- c. Remove screw ⑰ from rear side of upper RH radiator mount bracket, then install loose end of ground strap ⑰ using same screw. Torque to specification.

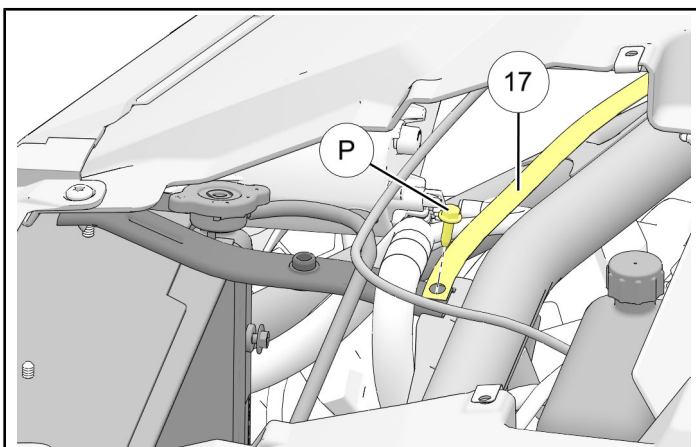
Ensure routing prevents contact with hot components, sharp edges, or moving parts. Secure strap as required using cable tie(s) ⑳.

### TORQUE

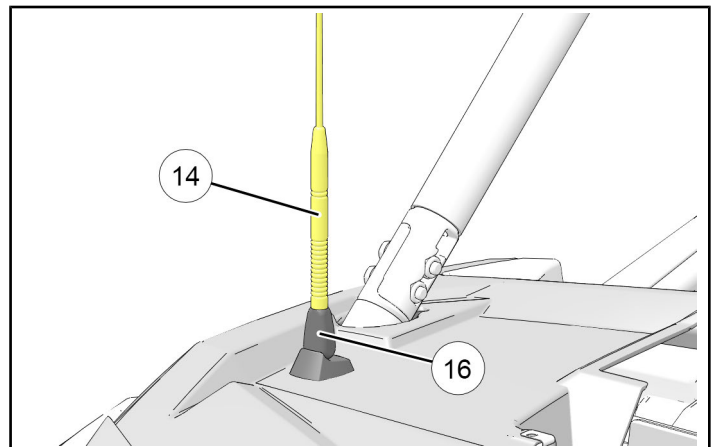
10 ft. lbs. (14 Nm)  $\pm$  10%

### NOTE

RZR XP® 1000 shown; XP® TURBO similar.  
Ground strap improves AM reception.



- d. Thread antenna mast ⑭ to antenna base ⑯.

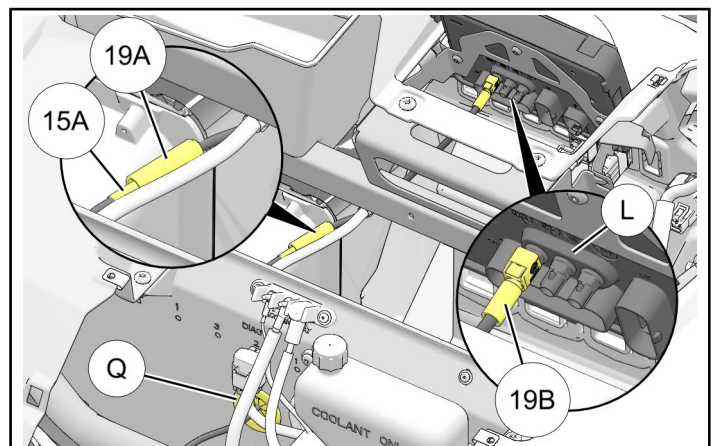


- e. Route connector 15A on antenna harness ⑮ rearward through firewall grommet ⑩, then join to connector 19A on antenna adapter harness ⑲. Plug remaining connector 19B into **AM/FM** connector on display ①.

Ensure routing prevents contact with hot components, sharp edges, or moving parts. Secure harnesses as required using cable tie(s) ⑳.

### NOTE

If necessary, open grommet by carefully cutting along interior score lines.

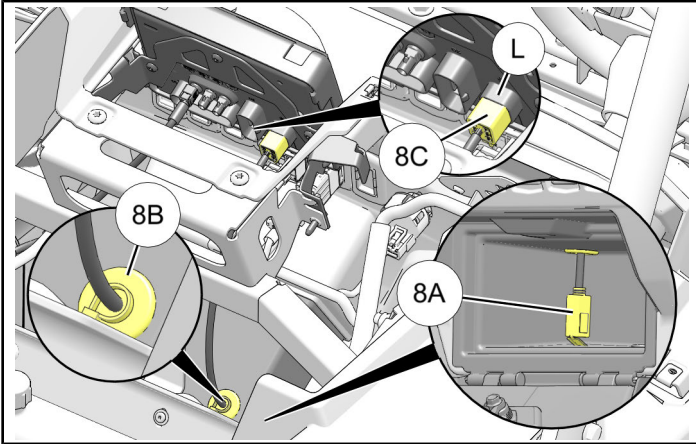


6. Install USB harness.

**NOTE**

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

- a. Plug connector 8C on USB harness ⑧ into mating USB connector on display ①.



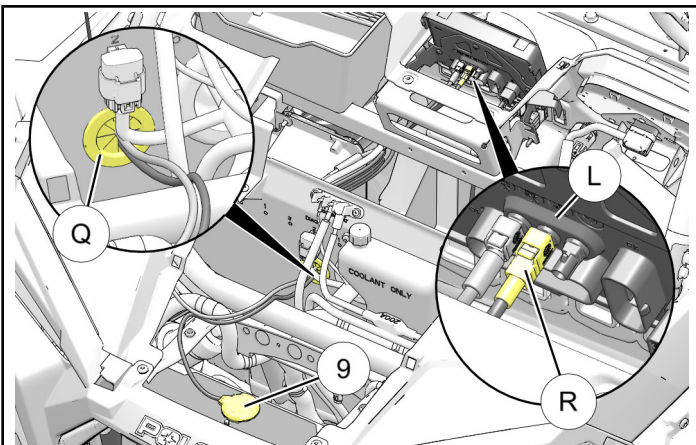
- b. Locate and mark location on top of dash storage compartment for USB harness. Location is not critical, but ensure length **INSIDE** compartment will be adequate for connecting alternate source unit (not included).
- c. Drill 7/8 inch (22 mm) hole in top of dash storage compartment at marked location.
- d. Route USB connector 8A through hole into compartment, then install grommet 8B.

Ensure routing prevents contact with hot components, sharp edges, or moving parts. Secure strap as required using cable tie(s) ⑳.

7. Install GPS antenna.

**RZR XP® 1000**

- a. Route connector ⑧ on GPS antenna ⑨ rearward through firewall grommet ⑩, then plug into **GPS** connector on display ①. Ensure harness routing prevents contact with hot components, sharp edges, or moving parts.



- b. Route opposite end of harness to antenna mounting location on radiator shroud. Ensure routing prevents contact with hot components, sharp edges, or moving parts.

Use cable tie(s) ⑳ to coil and secure excess harness length in **UPPER DASH** compartment, and also to secure harness in **UNDER-HOOD** compartment.

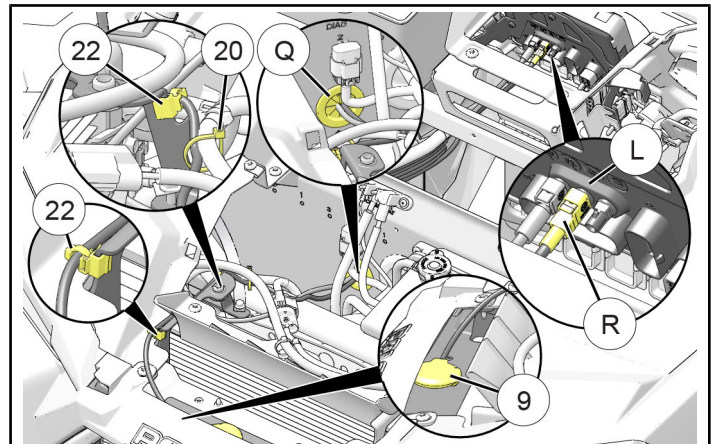
**NOTE**

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

- c. Clean upper surface of radiator shroud to permit proper adhesive application. Peel backing from GPS antenna and press firmly in place.

**RZR XP® TURBO**

- a. Route connector ⑧ on GPS antenna ⑨ rearward through firewall grommet ⑩, then plug into **GPS** connector on display ①. Ensure harness routing prevents contact with hot components, sharp edges, or moving parts.



- b. Route opposite end of harness to antenna mounting location on radiator shroud. Ensure routing prevents contact with hot components, sharp edges, or moving parts.

Use cable tie(s) ⑳ to coil and secure excess harness length in **UPPER DASH** compartment.

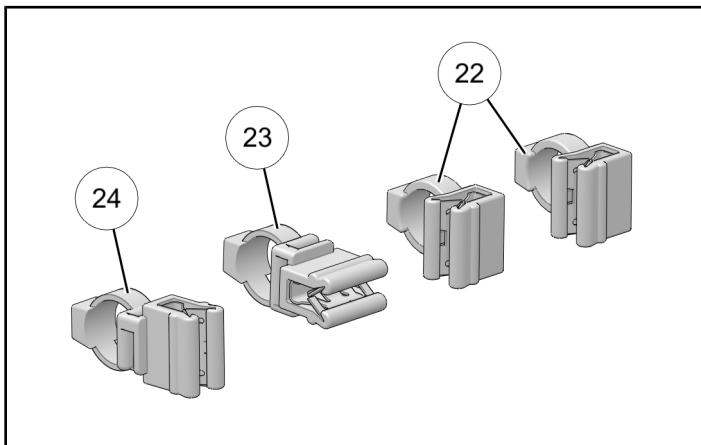
**NOTE**

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



- c. Secure antenna harness to radiator mounting bracket using two edge clips 22. See previous illustration for edge clip locations.

Use cable tie(s) 20 as required to provide additional harness security.



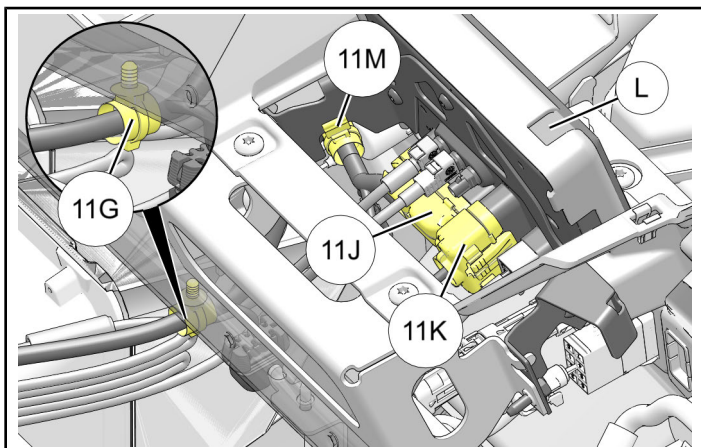
- d. Clean upper surface of radiator shroud to permit proper adhesive application. Peel backing from GPS antenna and press firmly in place.

#### 8. Install display harness.

##### NOTE

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

- a. Join 32-pin connector 11J and 16-pin connector 11K, both on display harness 11, to display L.



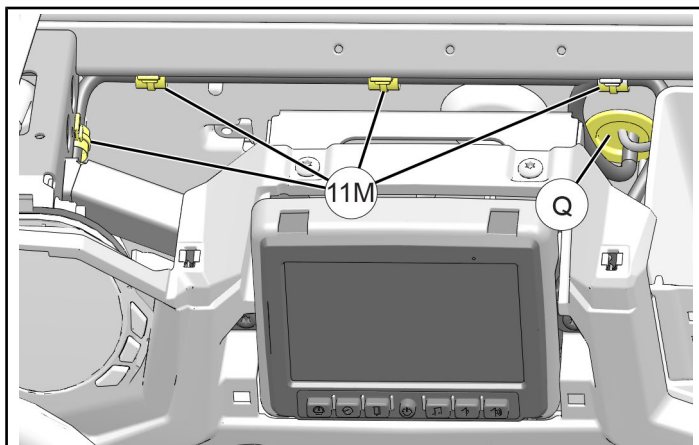
- b. Secure display harness 11 to display bracket using edge clip 11M, and to bottom of chassis cross-member using routing clip 11G.

##### NOTE

See previous illustration. Cross-member shown partially transparent for clarity.

- c. Temporarily remove firewall grommet 10 to facilitate harness passage.

Route all components on opposite end of display harness 11 (11A through 11F, and 11Q through 11S) forward through firewall grommet into under-hood compartment.



- d. Secure display harness 11 to chassis support structure using four edge clips 11M.

- e. Connect amp or amplified speakers (sold separately) by removing applicable cap(s) from connectors 11H, 11N, or 11P on display harness ⑪, then join audio adapter harness (es) ⑫ as follows:

#### NOTE

If installing Dash Amp Kit (PN 2884064 or equivalent), then audio adapter harness ⑫ is not needed; connect amp directly to display connector 11P (**AUDIO AMP 1**).

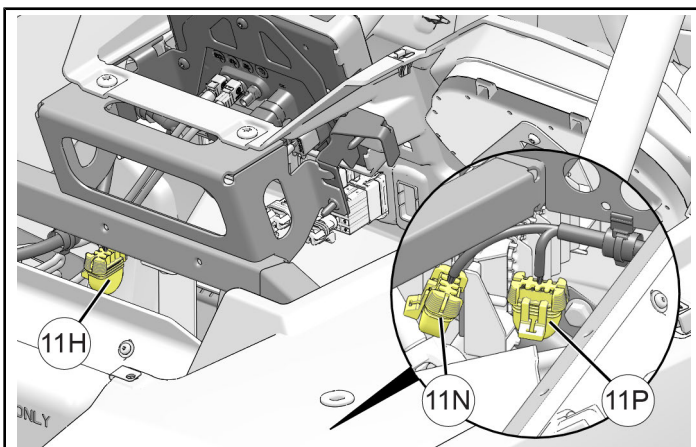
**AUDIO AMP 1** is a POWERED connector (along with audio signal). **AUDIO AMP 2** and **AUDIO AMP 3** are UNPOWERED connectors (audio signal only).

#### CAUTION

Do NOT join audio adapter harness(es) ⑫ to display harness ⑪ unless also connecting an accessory as described below.

Exposed bullet connector 21A may short against vehicle structure and cause damage to the RIDE COMMAND™ display or other vehicle components.

- Join adapter connector 21A to corresponding connector on accessory
- Join adapter connector 21B to corresponding connector on accessory
- Join adapter connector 21C:
  - **ALL EXCEPT SUBWOOFER:** To display connector 11P (AUDIO AMP 1) or 11H (AUDIO AMP 2) as desired; fader control identifies AUDIO AMP 1 as FRONT, and AUDIO AMP 2 as REAR
  - **SUBWOOFER:** To display connector 11N (AUDIO AMP 3)

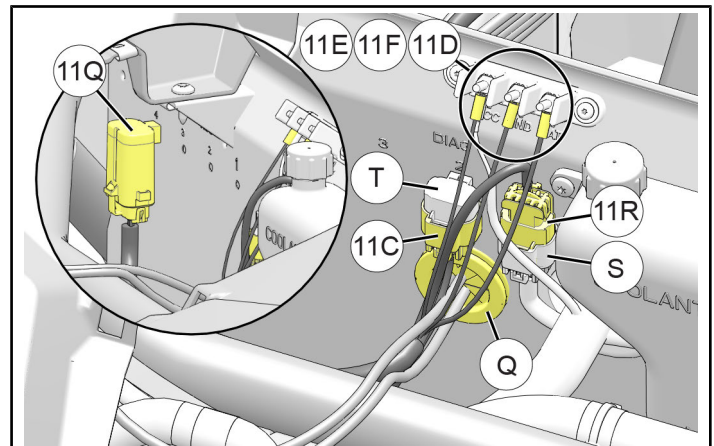


- f. Remove vehicle diagnostic port ⑤ from protective cover ⑩ attached to firewall, then join to mating diagnostic connector 11R on display harness ⑪. Insert diagnostic connector 11C into protective cover ⑩.

If desired, drill out one accessory plug (1/4 inch / 6 mm) on forward side of firewall, below terminal block, then install connector 11R using attached fir tree clip.

#### NOTE

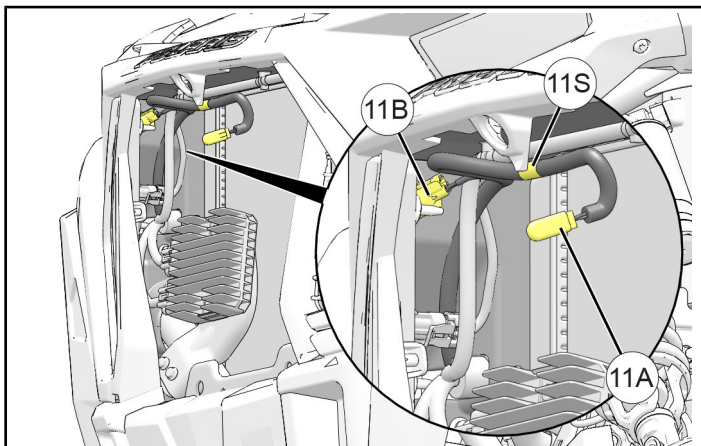
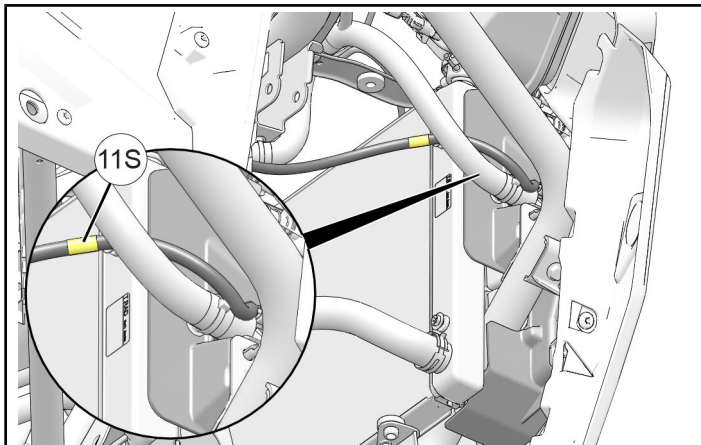
Illustration shows final connections. Connector 11C becomes new diagnostic port. Battery connection cables hidden for clarity.



- Drill out one accessory plug (1/4 inch / 6 mm) on forward side of firewall, below and outboard of terminal block, then install relay/fuse block 11Q using attached fir tree clip.
- Connect ring terminals to terminal block:
  - **RED** wire ring terminal 11D: To post with existing RED battery connection cable (unswitched 12V POS); post may be identified as "BAT"
  - **ORANGE/WHITE** wire ring terminal 11E: To post with existing ORANGE wire (accessory switched 12V POS); post may be identified as "ACC"
  - **BROWN** wire ring terminal 11F: To post with existing BLACK battery connection cable (12V NEG); post may be identified as "GND"

- i. Route front video connector 11A and ambient air temperature sensor 11B forward following main vehicle harness, then through cutout in RH side of radiator shroud.

#### **RZR XP® 1000**

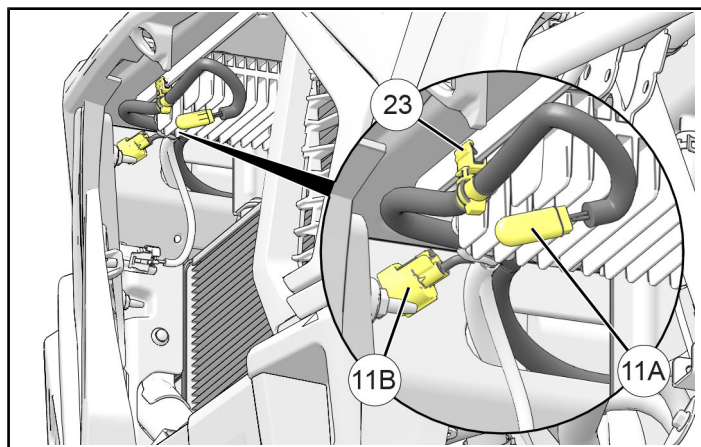
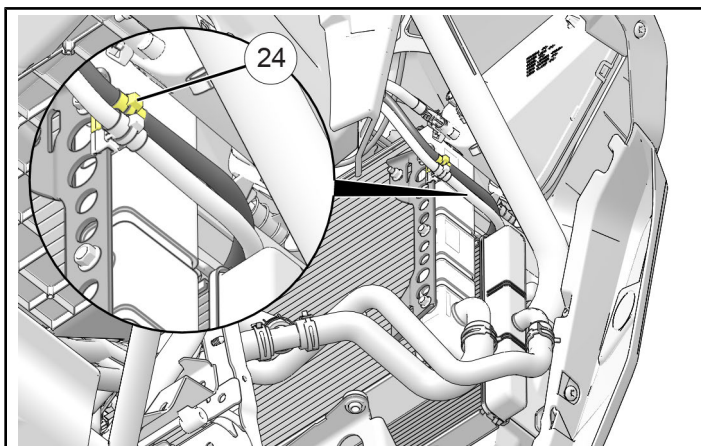


#### **RZR XP® TURBO**

##### **NOTE**

View looking up and forward from within right front wheel well.

Front suspension components hidden for clarity.

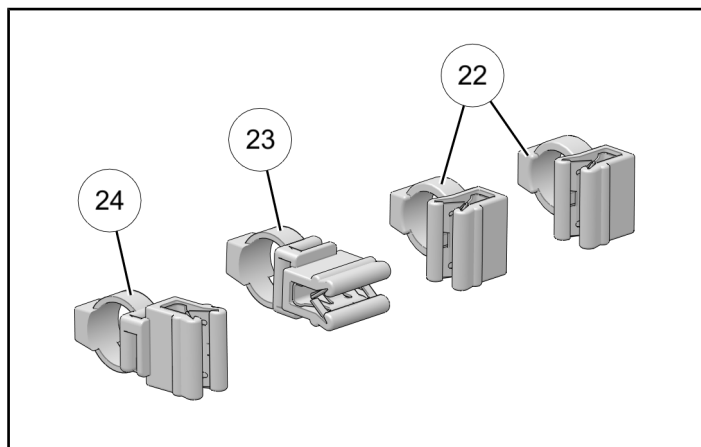


- j. Secure video/temperature sensor harness breakout to vehicle structure and/or existing chassis harness as follows:

- **RZR XP® 1000:** Use cable ties ②① at two white tape locations 11S as shown in previous Step i.
- **RZR XP® TURBO:** Use edge clips ②③ and ②④ at two white tape locations 11S as shown in previous Step i.

##### **IMPORTANT**

In ALL vehicles ensure harness is secured to prevent contact with hot components, sharp edges, or moving parts (including chassis suspension components during their full range of travel). Use additional cable ties as required.





9. Install ambient air temperature sensor.

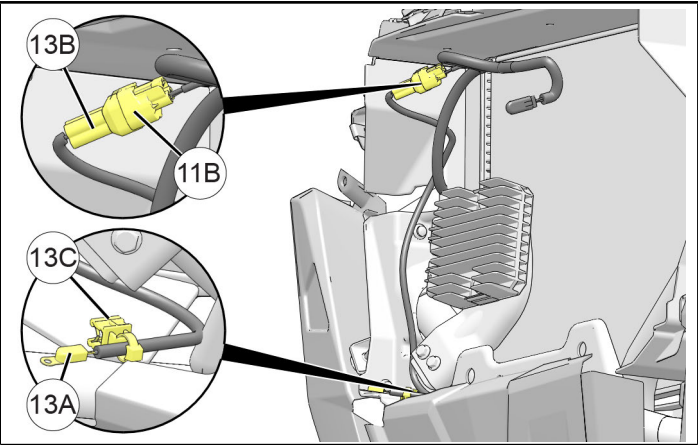
NOTE

This is NOT an engine temperature sensor.  
See previous section, **HARNESS DETAIL**, for  
connector identification.  
*RZR XP® 1000 shown; XP® TURBO similar.*

- a. Join connector 13B on ambient air temperature sensor harness ⑬ to mating connector 11B on display harness ⑪.

NOTE

Front fascia and main chassis electrical harness  
hidden for clarity.



- b. Route sensor 13A downward to prevent contact with hot components (including regulator), sharp edges, or moving parts.

Secure harness to vehicle structure or grille using edge clip 13C, AND at additional locations as required using cable tie(s) ⑳.

IMPORTANT

Sensor 10A 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.

NOTE

Specific edge clip mounting location is not critical as long as sensor 10A is exposed to ambient air flow.

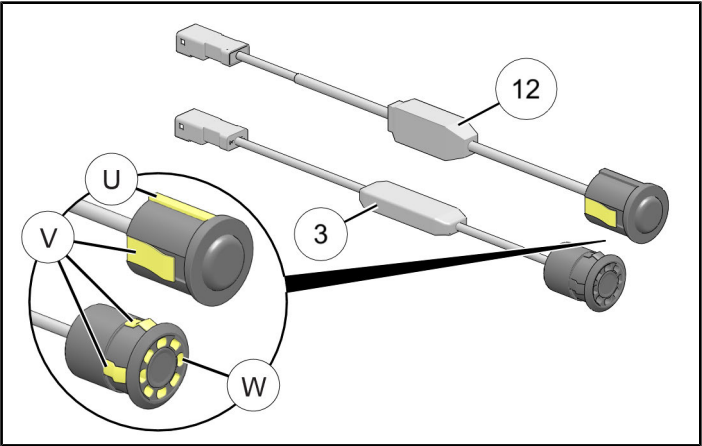
10. Install front camera.

NOTE

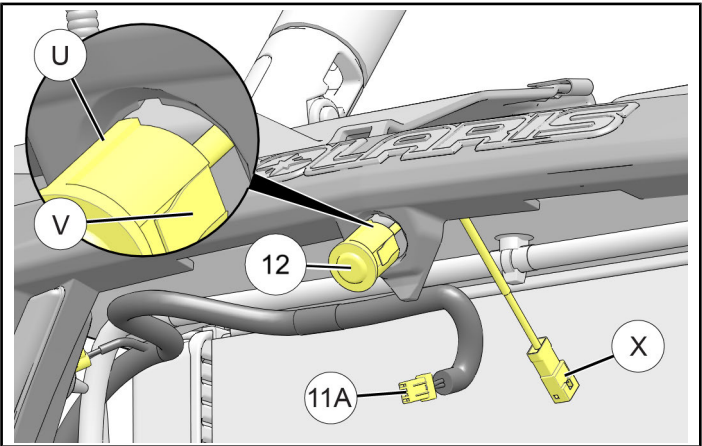
See previous section, **HARNESS DETAIL**, for  
connector identification.  
*RZR XP® 1000 shown; XP® TURBO similar.*

- a. Identify front camera ⑫. Notice differences from rear camera ③.

FEATURE	FRONT CAMERA ⑫	REAR CAMERA ③
Alignment spline ①	YES	NO
Locking clips ⑤	TWO	FOUR
LED lamps ⑥	NO	YES



- b. Orient spline ① on front camera ⑫ with mating slot in front fascia, then insert camera until locking clips ⑤ snap into place.



- c. Remove cap from connector 11A on display harness ⑪, then join to connector ⑩ on front camera ⑫.

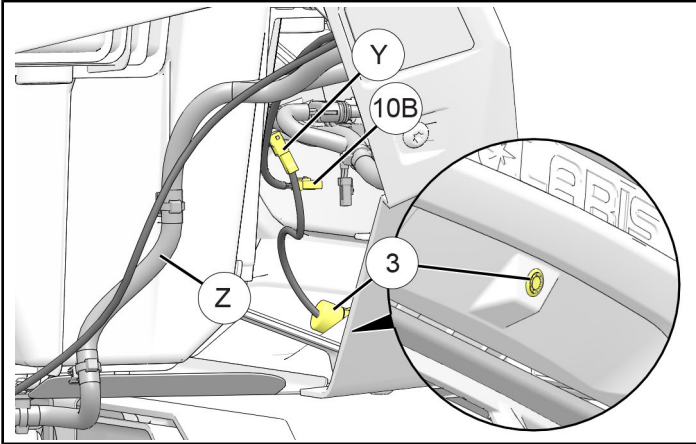
Secure harnesses using cable tie(s) ⑳ to prevent contact with hot components, sharp edges, or moving parts.

11. Install rear camera and harness.

**NOTE**

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

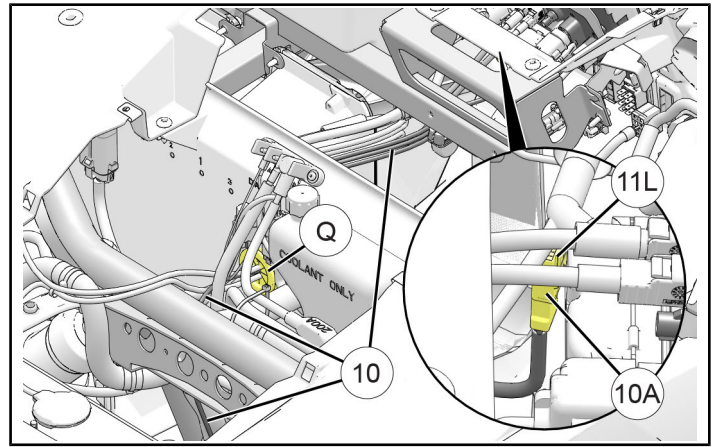
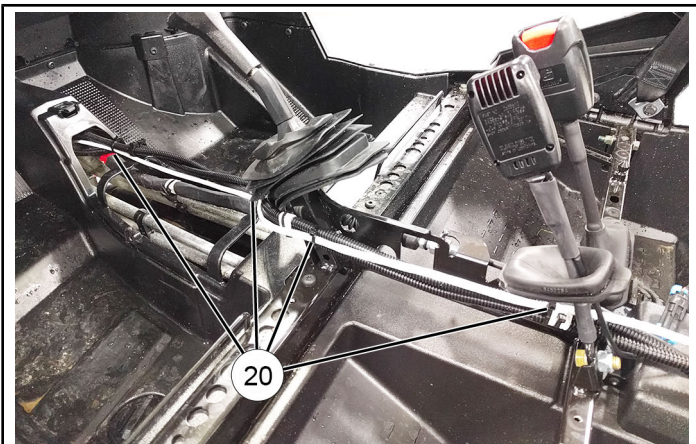
- a. Install rear camera ③ into rear fascia. Ensure camera is oriented per label ("TOP").



- b. Join connector Y on rear camera ③ to connector 10B on rear camera harness ⑩.
- c. Route rear camera harness ⑩ to left side of chassis following tail light harness ②.

Continue following tail light harness forward until it joins main chassis harness above clutch box. Follow main chassis harness forward, downward, and inboard into center floor console.

Follow battery cables forward through center floor console, up forward side of firewall, then rearward through firewall grommet Q into upper dash compartment.

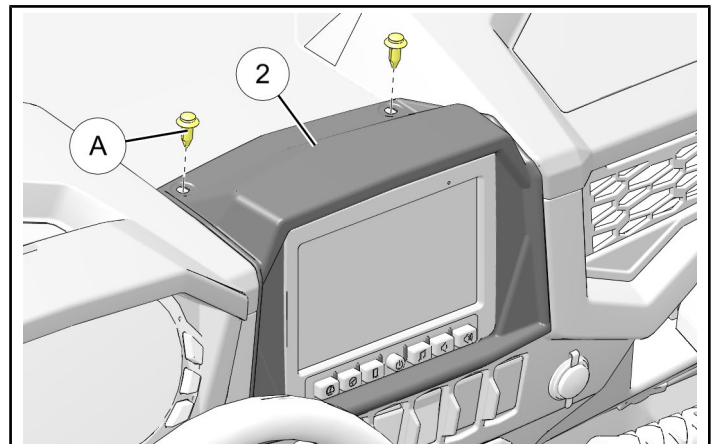


- d. Join connector 10A on rear camera harness ⑩ to **VIDEO REAR** connector 11L on display harness ⑪.
- e. Secure camera harness **ALONG ITS ENTIRE LENGTH** using cable ties ② at least every 12 inches (300 mm) to prevent contact with hot components, sharp edges, or moving parts. See previous Step c. for floor console cable tie locations.

**CAUTION**

Do NOT coil excess length of rear camera harness ⑩ at rear of vehicle. Contact with hot exhaust components or moving parts will damage harness. Coil and secure excess length in upper dash compartment.

12. Restore access in reverse order of disassembly (see Step 2), except install trim ② instead of upper dash storage compartment using two retained push pin rivets A.



13. Reconnect black negative (-) cable to battery and reinstall seat.
14. Perform setup for RIDE COMMAND™ 7" Display per Owner's Manual.

## 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.

### FEEDBACK FORM

