

PLOW CONTROL HANDLE KIT



P/N 2889721

MISSING OR DAMAGED PARTS

Before beginning assembly, inspect the kit and its component(s) to be sure all parts and tools are accounted for and not damaged. If missing parts or parts are damaged, please contact your Selling Dealer for assistance.

If your accessory was purchased online, please contact POLARIS® customer service at **1-800-POLARIS** (US & Canada only).

APPLICATION

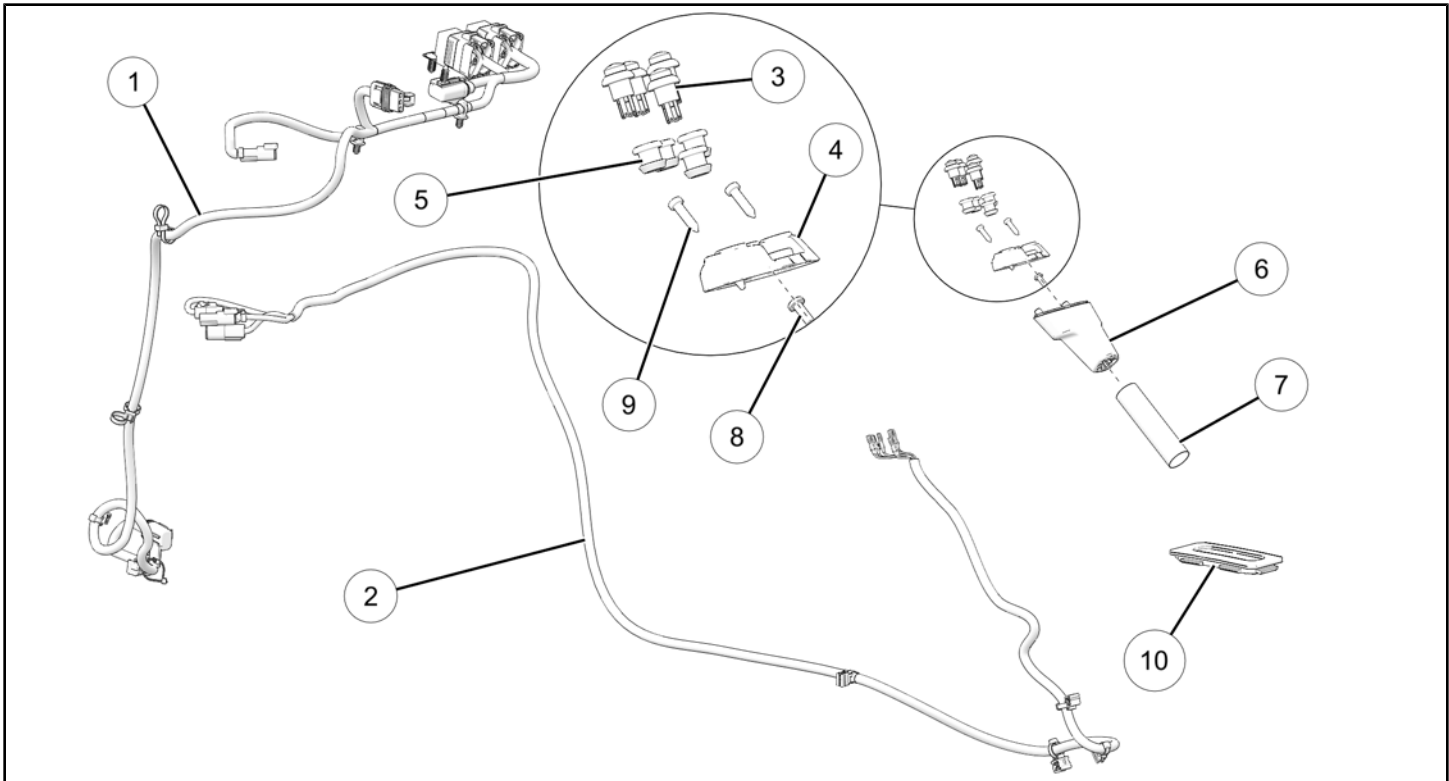
Verify accessory fitment at www.polaris.com.

REQUIRED SOLD SEPARATELY

Only parts for installation of the Plow Control Handle Kit are included. Prior installation of the following additional kits are also required (sold separately):

- *Snowplow Bumper Mount Kit*, P/N 2889578
- *Pro HD Snowplow Push Frame Kit*, P/N 2889579
- *Plow Angle Kit*, P/N 2883409

KIT CONTENTS

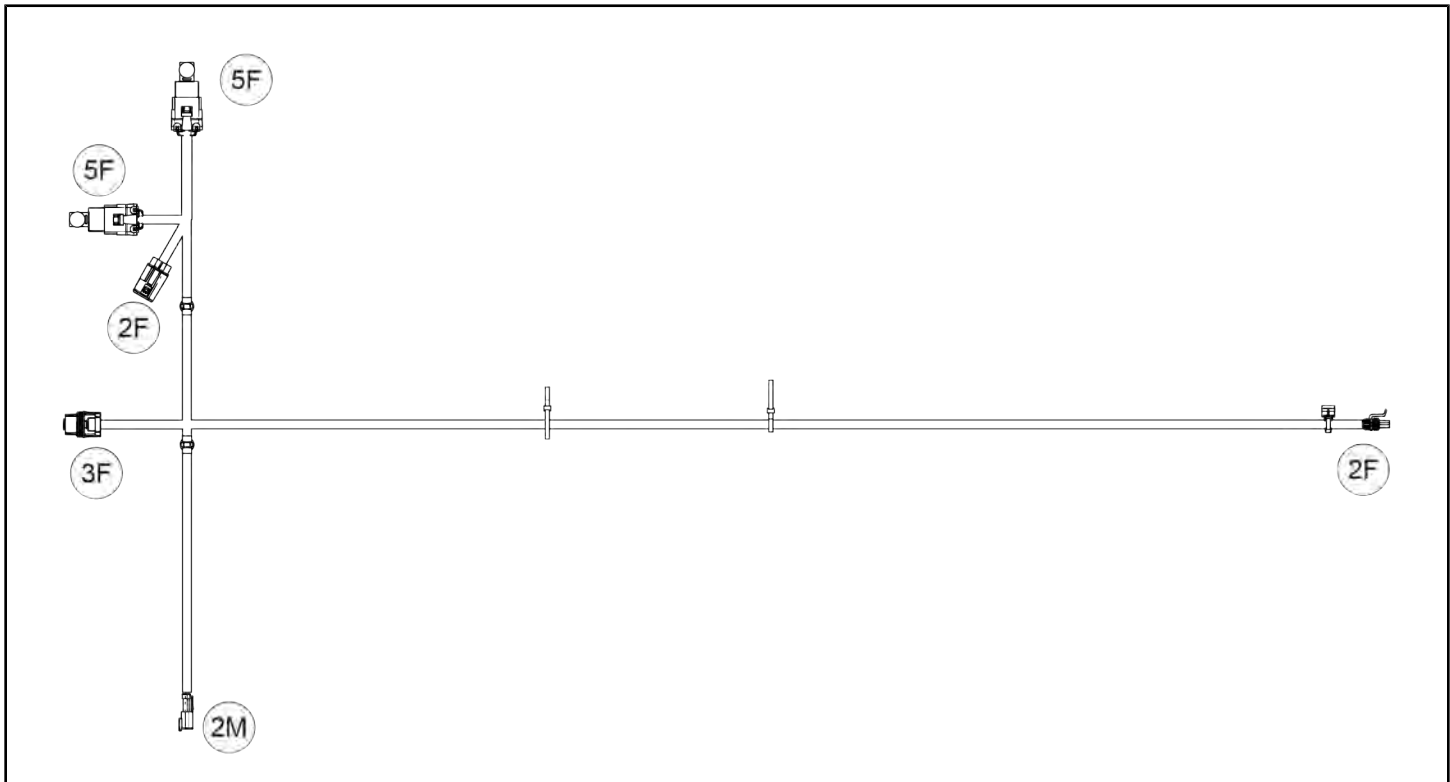


REF	QTY	PART DESCRIPTION	P/N AVAILABLE SEPARATELY	AVAILABLE SERVICE KIT
1	1	Harness, Plow Angle Control	n/a	n/a
2	1	Harness, Winch/Plow Shift Handle	n/a	n/a

REF	QTY	PART DESCRIPTION	P/N AVAILABLE SEPARATELY	AVAILABLE SERVICE KIT
3	4	Switch	4017301	220xxxx
4	1	Cap, Plow Control Handle	n/a	n/a
5	4	Plug, Filler	5455599	220xxxx
6	1	Base, Plow Control Handle	5459547	220xxxx
7	1	Tube, Heat Shrink	n/a	n/a
8	1	Screw, Torx® #10 - 24 x 1/2 in	7512024	n/a
9	2	Screw, Torx® #10 x 3/4 in	7517790	n/a
10	1	Shifter Boot	5418712	n/a

HARNES DETAIL

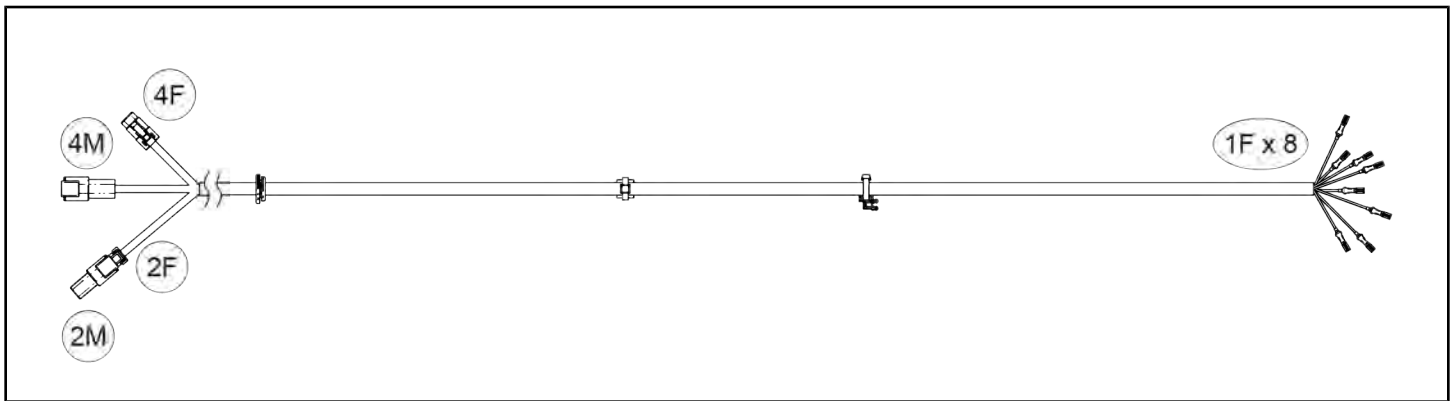
FLOW ANGLE CONTROL HARNES ①



REF	PART DESCRIPTION	CONNECTS TO
2F	Tilt Actuator Connector	Tilt Actuator
2F	Fuse Connector	Tilt Fuse
2M	Handle Harness Connector	Winch/Plow Shift Handle Harness ②
3F	Polaris Pulse® Bar Connector	Polaris Pulse® Bar
5F	Left Relay Connector	Left Tilt Relay
5F	Right Relay Connector	Right Tilt Relay

Example: 16F = 16 pin, Female / 16M = 16 pin, Male (Male terminal fits inside female terminal)

WINCH/PLOW SHIFT HANDLE HARNESS ②



REF	PART DESCRIPTION	CONNECTS TO
1F	Terminal (Orange/White)	Left Tilt Switch
1F	Terminal (Black)	Winch Out Switch
1F	Terminal (Orange/White)	Right Tilt Switch
1F	Terminal (Orange/White)	Winch In Switch
1F	Terminal (Dark Green)	Winch In Switch
1F	Terminal (Orange/White)	Winch Out Switch
1F	Terminal (Violet)	Left Tilt Switch
1F	Terminal (Dark Blue)	Right Tilt Switch
2F	Plow Harness Connector	Plow Angle Control Harness ①
2M	Cap	Plow Harness Connector 2F
4F	Winch Harness Connector	Winch Harness
4M	Chassis Harness Connector	Chassis Harness

Example: 16F = 16 pin, Female / 16M = 16 pin, Male (Male terminal fits inside female terminal)

TOOLS REQUIRED

- Safety Glasses
- Drill
- Drill Bit:
 - 1/4 in (6 mm)
- Heat Gun (or equivalent)
- Hex Key Set, Metric
- Hole Saw:
 - 9/16 in (14 mm)
- Screwdriver, Phillips
- Screwdriver Set, Torx®

IMPORTANT

Your Plow Control Handle 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.

INSTALLATION INSTRUCTIONS

VEHICLE PREPARATION

GENERAL

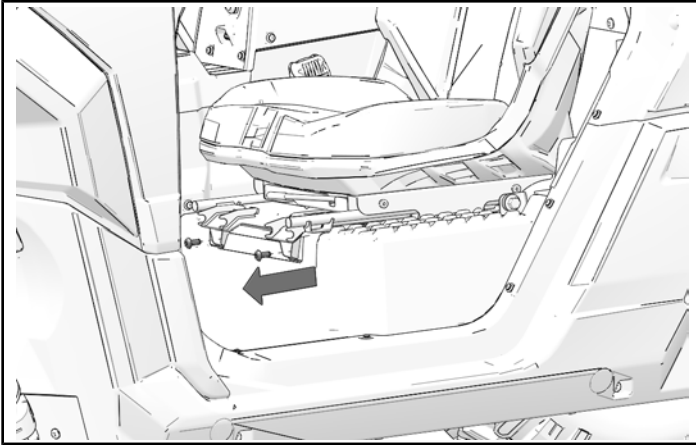
1. Park vehicle on a flat surface.
2. Shift vehicle into PARK.
3. Turn key to OFF position and remove key.
4. Chock at least one tire with a wheel chock on both front and rear side of tire.

BATTERY DISCONNECTION

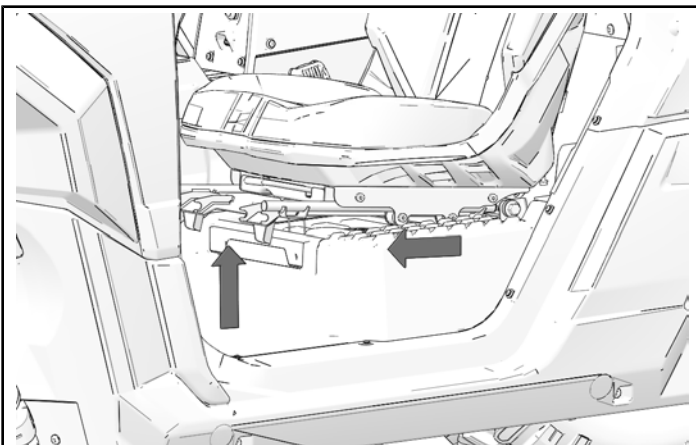
NOTICE

Doors hidden for clarity.

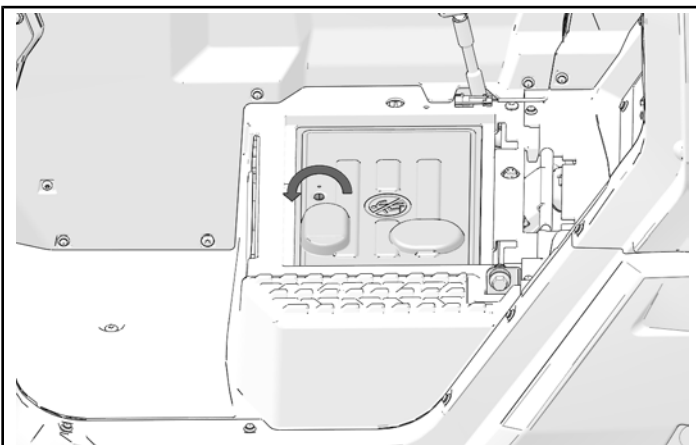
1. Remove and keep two screws from front of driver seat base.



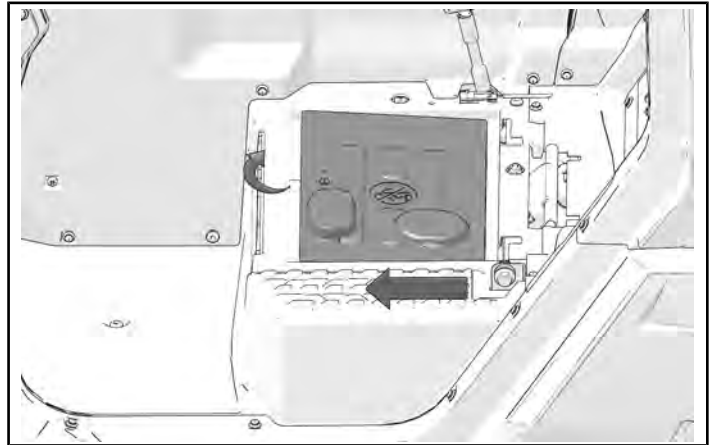
2. Lift front of seat and pull forward to remove seat.



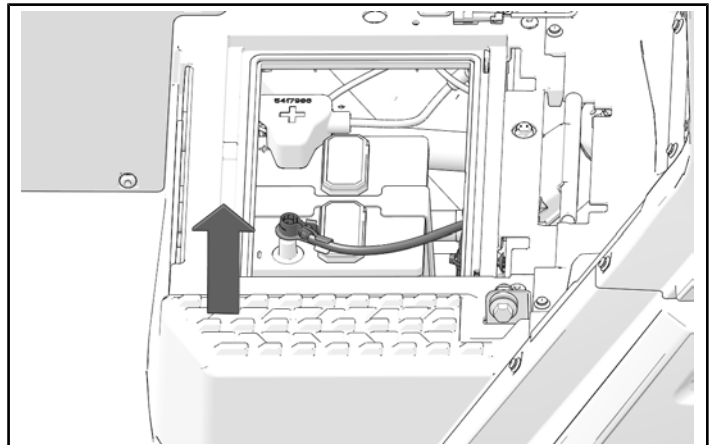
3. Turn screw to open cover.



4. Lift cover and slide forward to remove.



5. Disconnect negative (-) cable from battery.

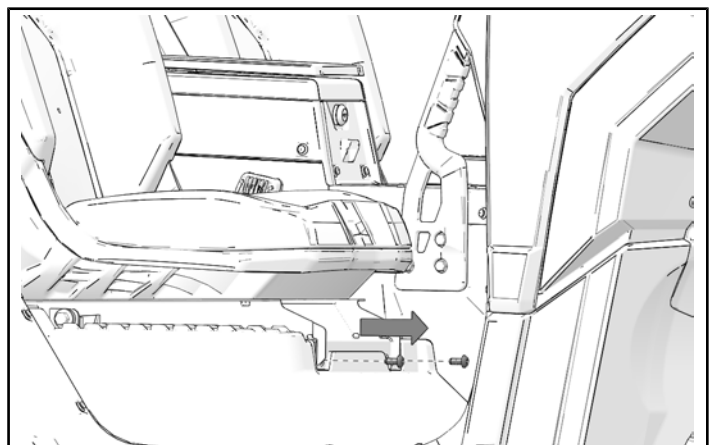


PASSENGER SEAT REMOVAL

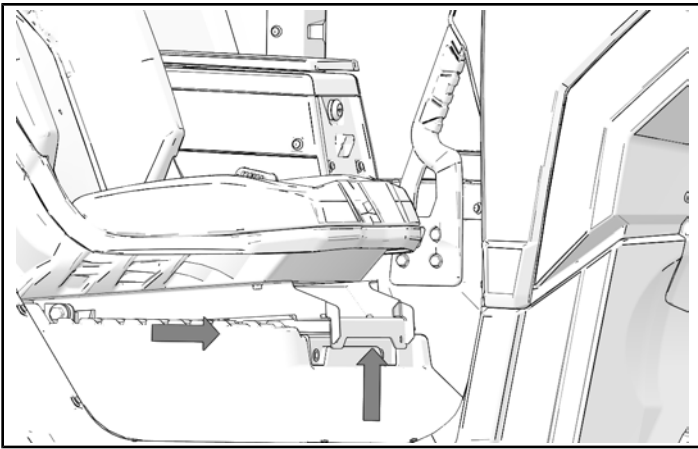
NOTICE

Doors hidden for clarity.

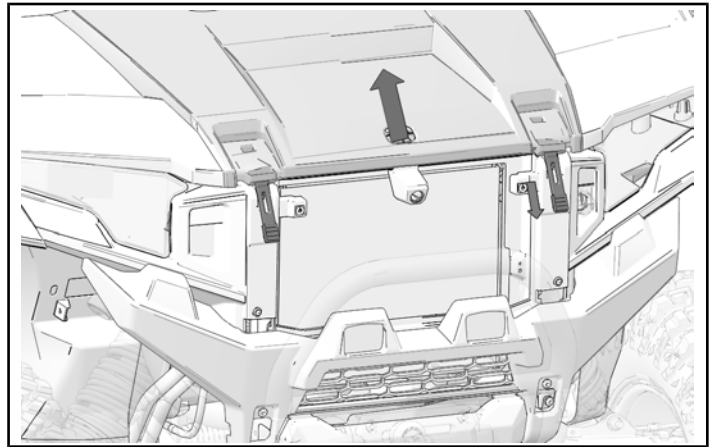
1. Remove and keep two screws from front of passenger seat base.



2. Lift front of seat and pull forward to remove seat.

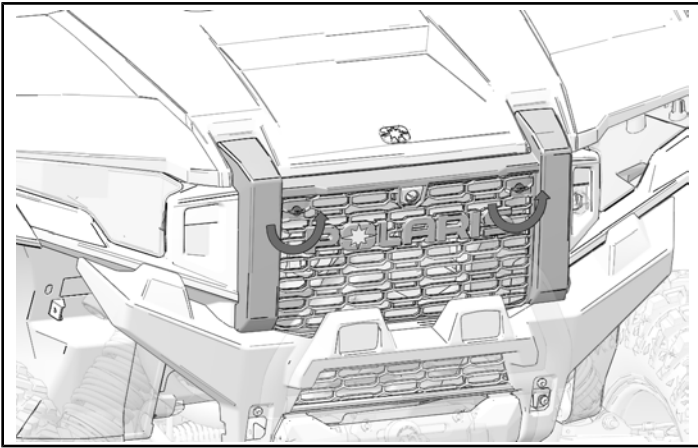


3. Pull rubber straps off hooks to release hood. Lift hood to remove.

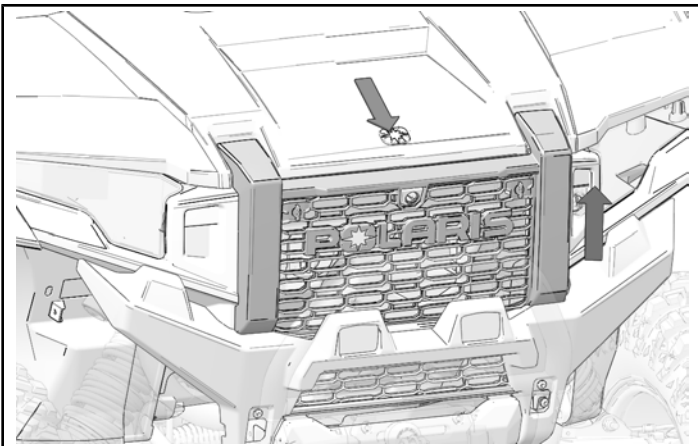


HOOD AND GRILL REMOVAL

1. Turn each stud one-quarter turn to release grill.



2. Pull top of grill forward and then lift up to remove grill.



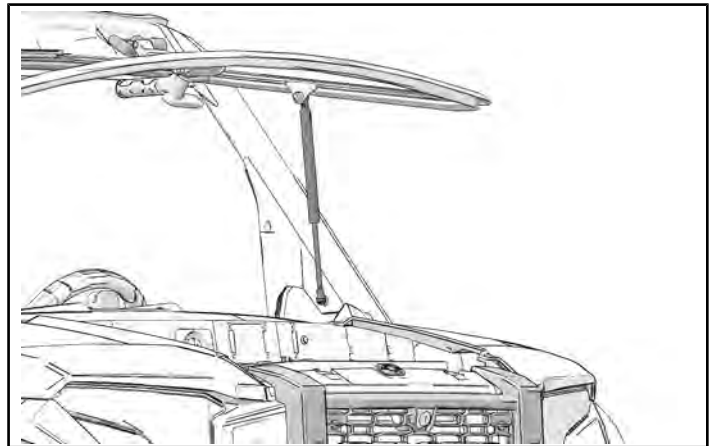
CENTER DASH PANEL REMOVAL

VEHICLES WITH TIP-OUT WINDSHIELD

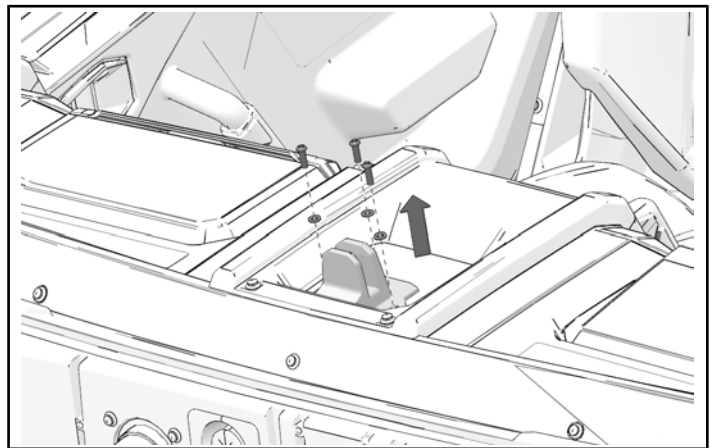
NOTICE

For vehicles without tip-out windshield, proceed to Panel Removal.

1. Open tip-out windshield.

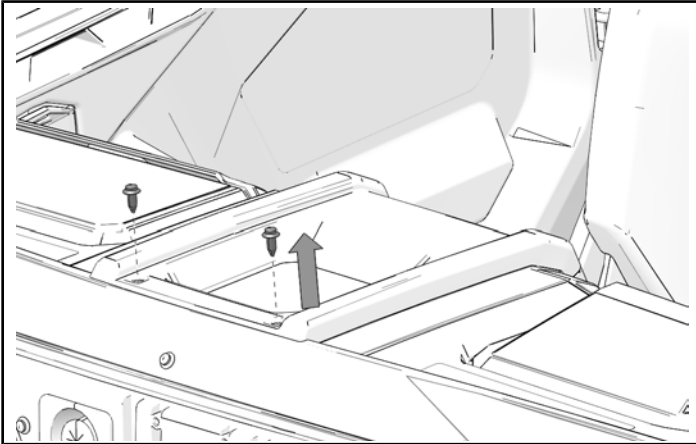


2. Remove and keep three screws and washers. Remove and keep windshield base.

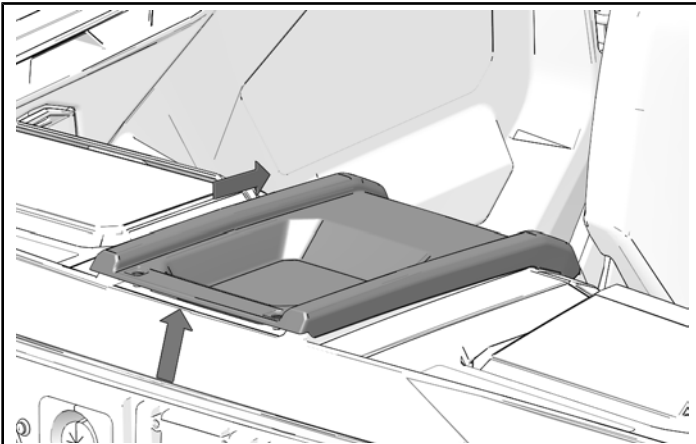


PANEL REMOVAL

1. Remove and keep two push-pin rivets from center dash panel.



2. Remove and keep panel by lifting front edge and moving backward.

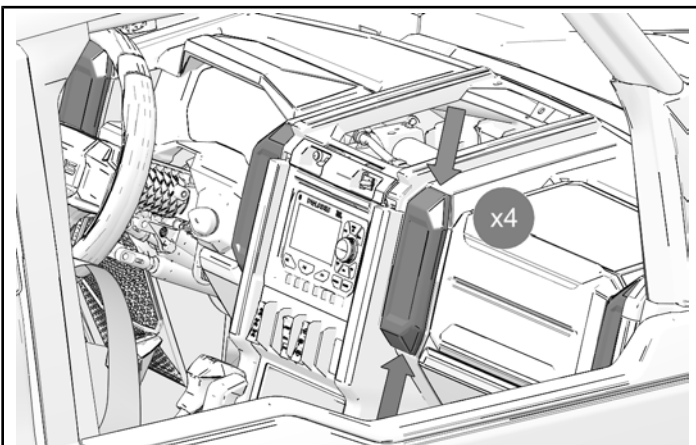


REMOVE DASH COVER

1. Remove four dash vents/covers. Pry simultaneously at top and bottom of vent/cover to remove.

IMPORTANT

Make sure white clips on back of vents/covers do not become lost.



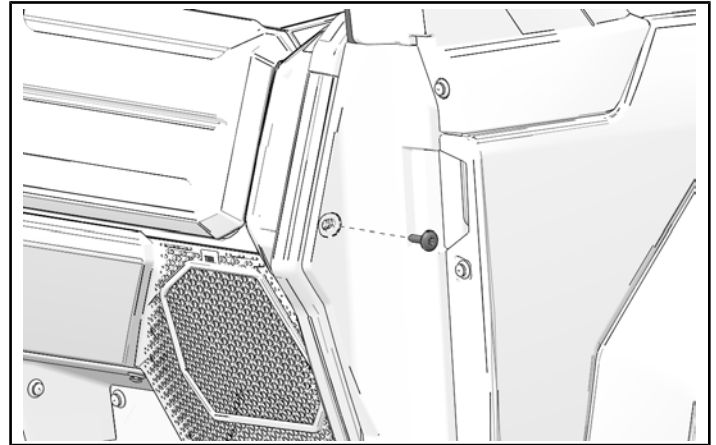
2. Remove one screw at each side of dash cover.

NOTICE

Right side shown; left side similar.

TIP

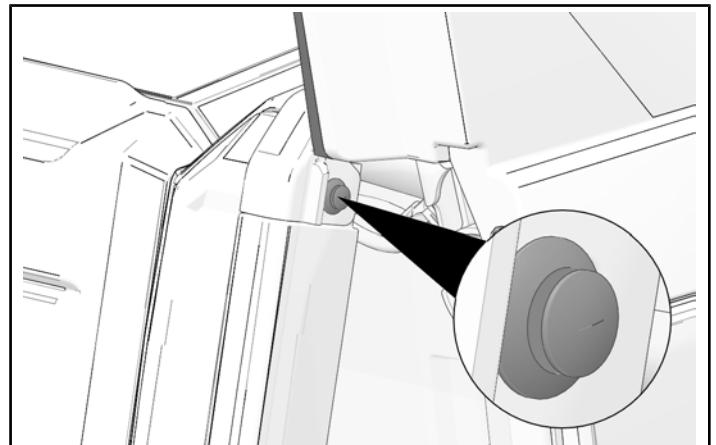
Doors will need to be fully open to access and remove these screws. Removal of these screws allows cover to be pulled open in next step to remove push-pin rivet.



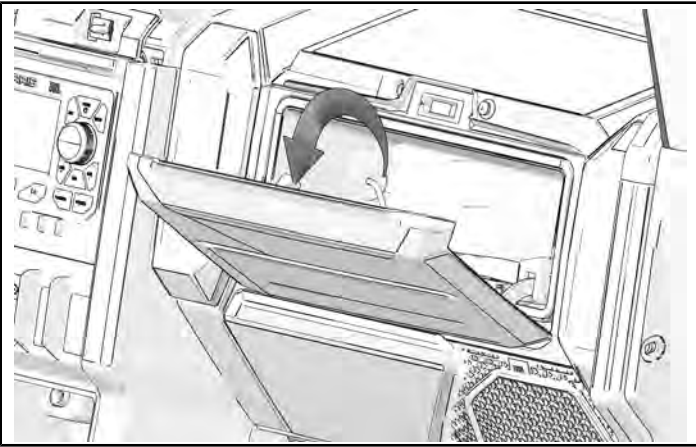
3. Carefully pull plastic cover away from lower A-pillar area and remove one push-pin rivet from side of dash cover.

NOTICE

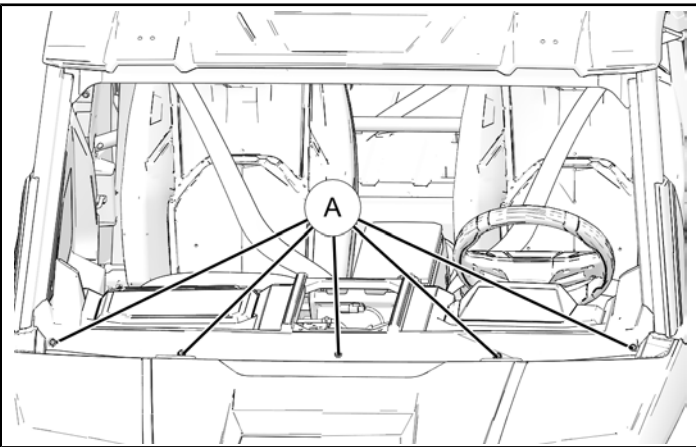
A-pillar trim hidden for clarity.



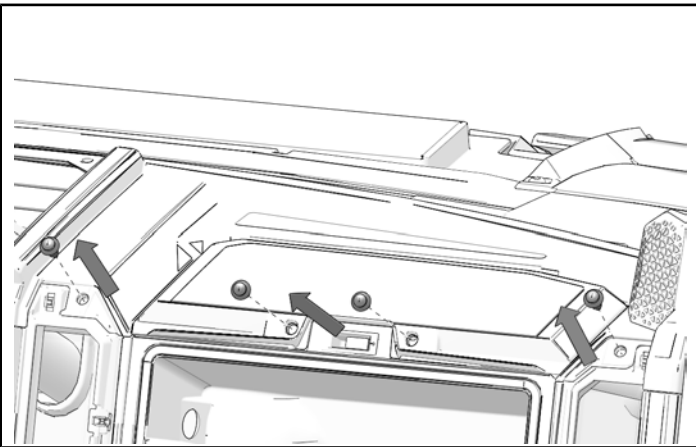
4. Open glove box.



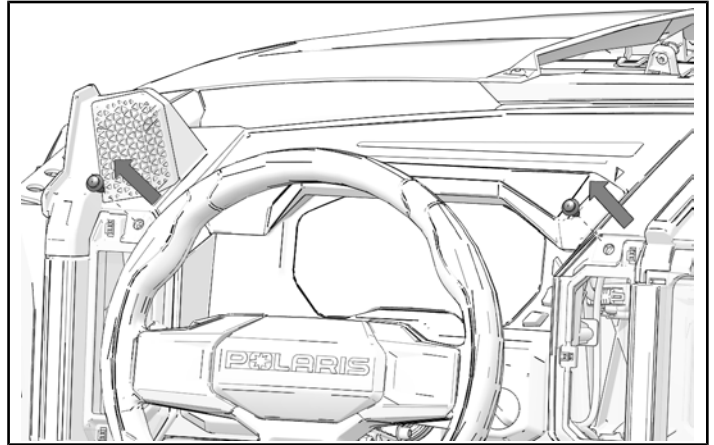
5. Remove and keep five screws (A) and washers at front of dash cover.



6. Remove four push-pin rivets from passenger side of dash cover.



7. Remove two push-pin rivets from drivers side of dash cover.



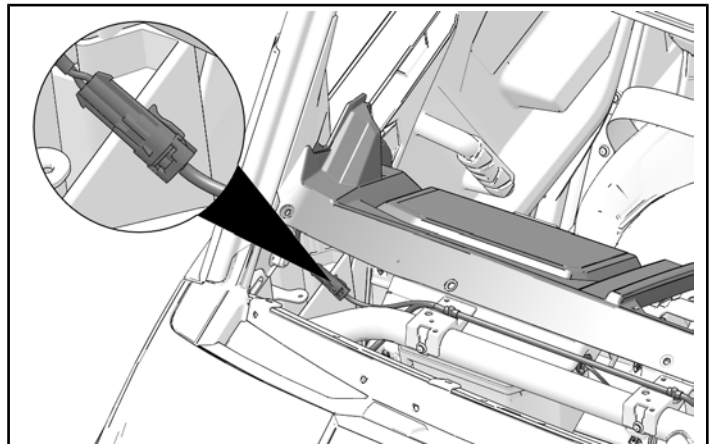
8. Lift up and forward to remove dash cover.

TIP

Lift up on front center of dash to disengage two radio retention tabs.



9. If vehicle is equipped with upper tweeters, make sure to unplug tweeters when removing dash cover.



HEAD UNIT REMOVAL

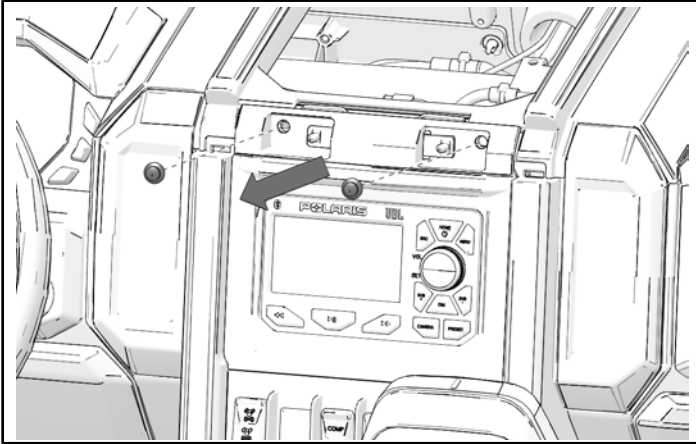
NOTICE

Vehicles without audio system will have a storage bin in place of head unit. Storage bin is removed in a similar manner to head unit.

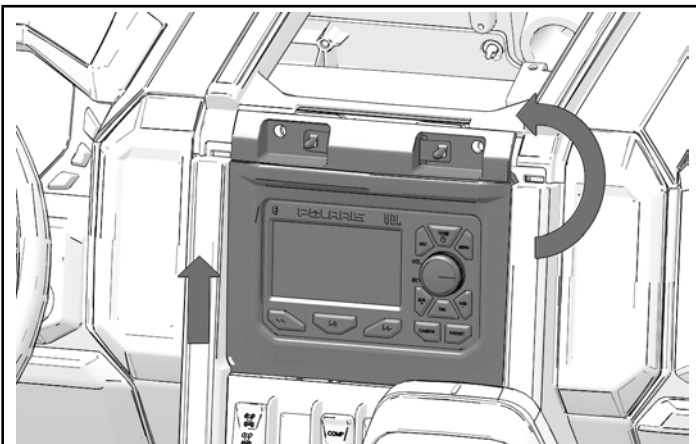
NOTICE

Base audio head unit removal shown. Ride Command® display removal similar.

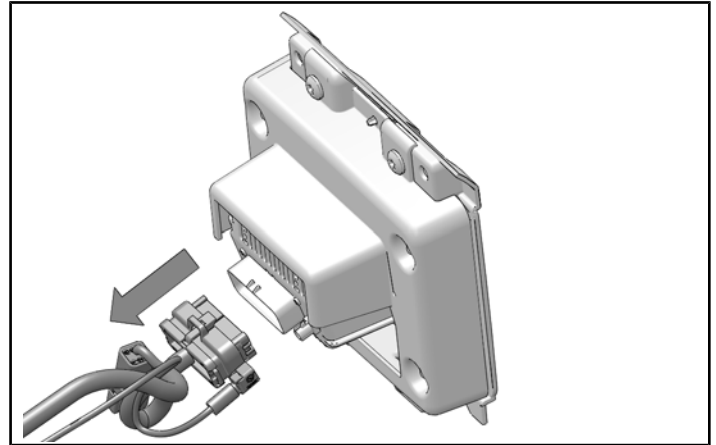
1. Remove and keep two push-pin rivets from top of the head unit.



2. Pull top of head unit away from dash and lift head unit up to remove from dash.



3. Disconnect wiring harness and antenna from head unit. Remove and keep head unit.



REMOVE DASHBOARD

NOTICE

Doors hidden for clarity

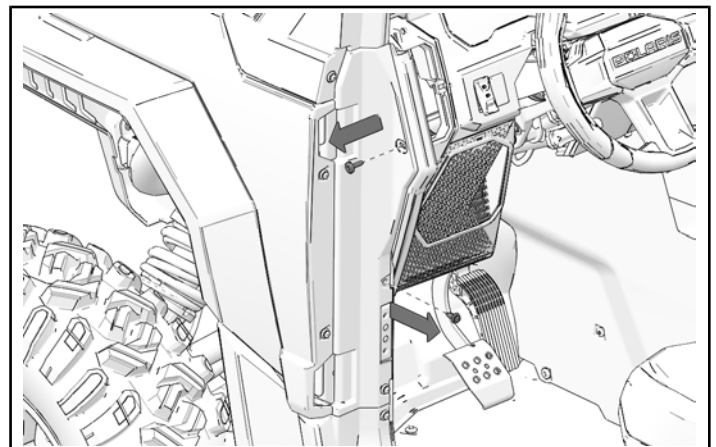
1. Remove and keep screw and push-pin rivet from left side door frame.

NOTICE

Left side shown; right side similar.

TIP

Doors will need to be fully open to access and remove these fasteners. Removal of these fasteners allows trim to be pulled open in next step to remove push-pin rivet.



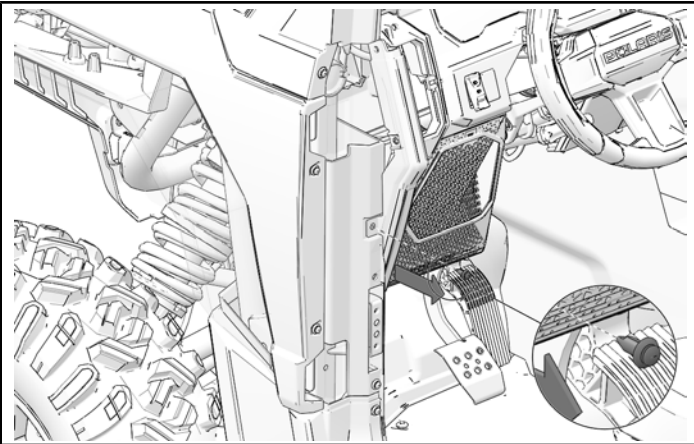
2. Carefully pull trim away from vehicle and remove one push-pin rivet from side of dashboard.

NOTICE

Left side shown; right side similar.

NOTICE

Trim hidden for clarity.



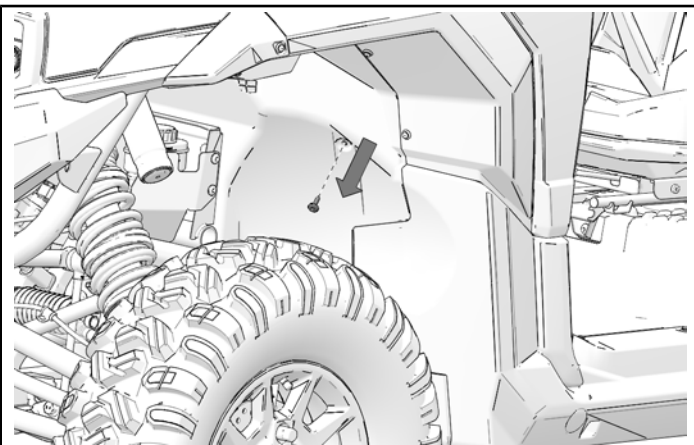
3. Remove one screw from each front wheel well.

NOTICE

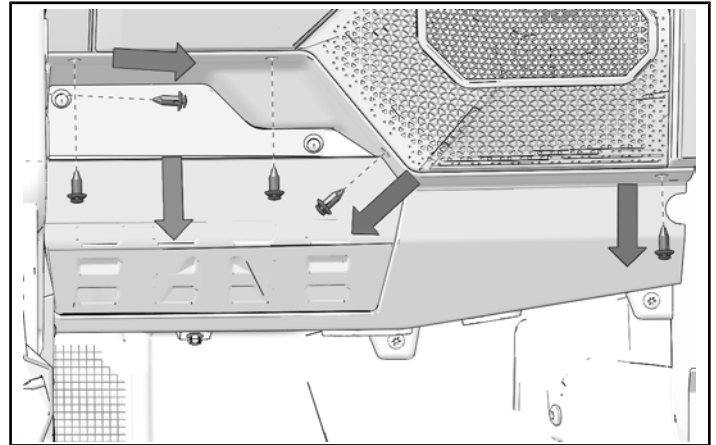
Left side shown; right side similar.

NOTICE

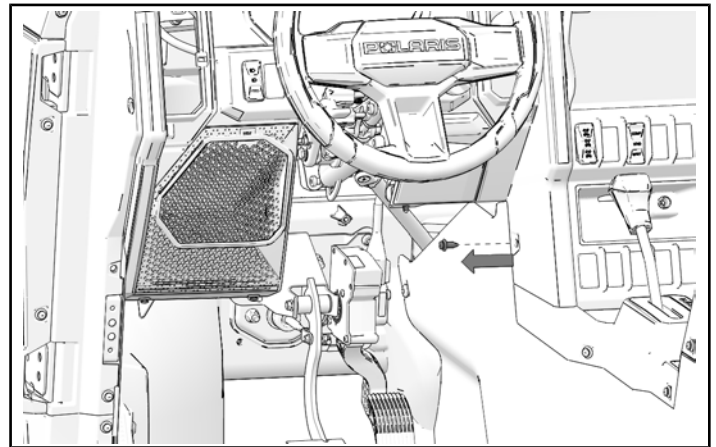
When dashboard is removed, check that u-nut for this screw is still attached to dashboard panel.



4. Remove five push-pin rivets from bottom of dashboard in front of passenger seat.



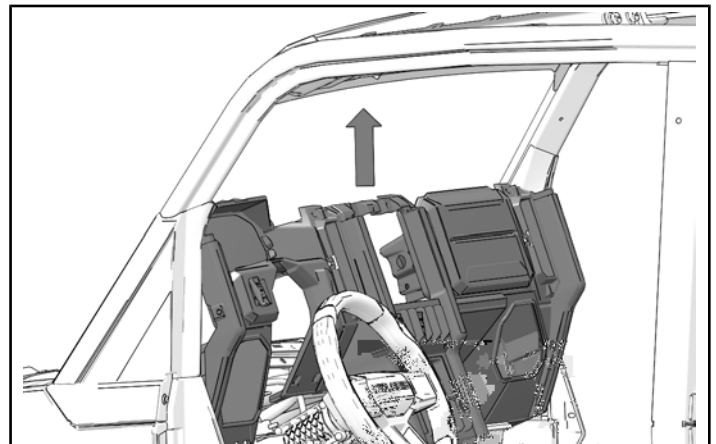
5. Remove push-pin rivet from bottom of dashboard in front of drivers seat.



6. Remove dashboard from vehicle.

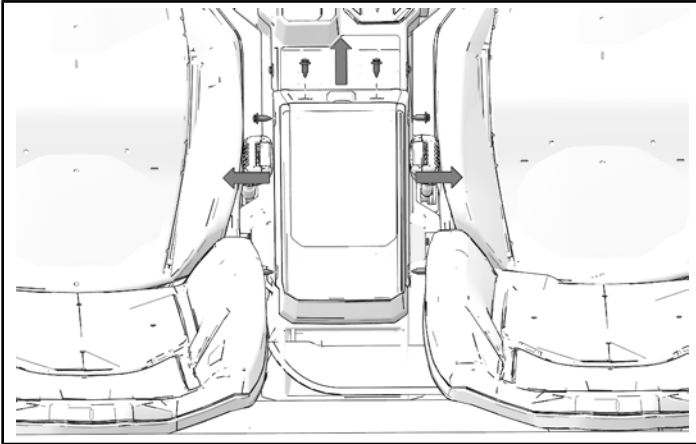
NOTICE

Make sure to disconnect electronic components (switches, speakers, etc.) prior to removing dashboard. Label locations of removed components to ease later installation.



REMOVE CENTER CONSOLE

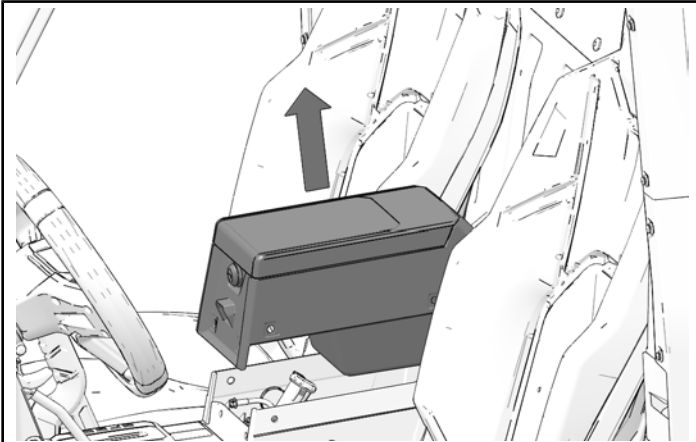
1. Remove six push-pin rivets from base of center console.



2. Lift up console to remove.

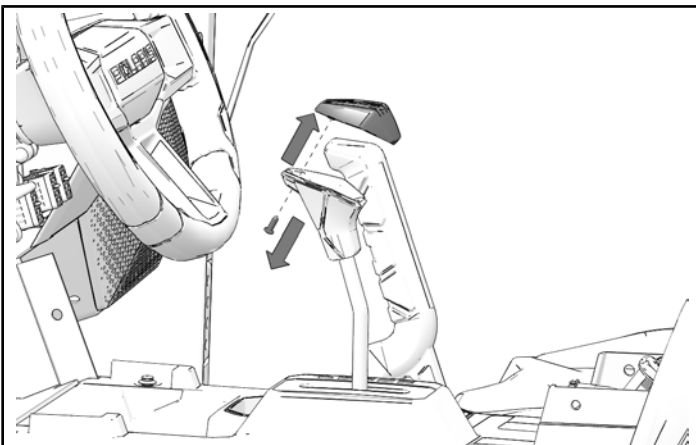
NOTICE

Make sure to disconnect electronic components (12V outlet, USB port, LED light, etc.) prior to removing console.

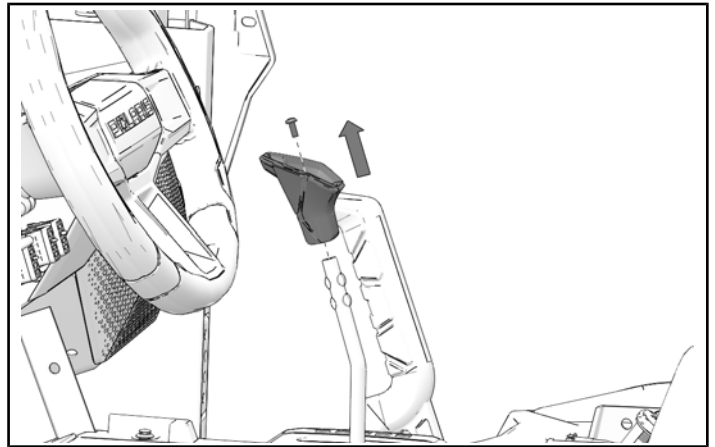


REMOVE SHIFT LEVER COVER

1. Remove screw from bottom of shift lever knob. Remove cap from knob.



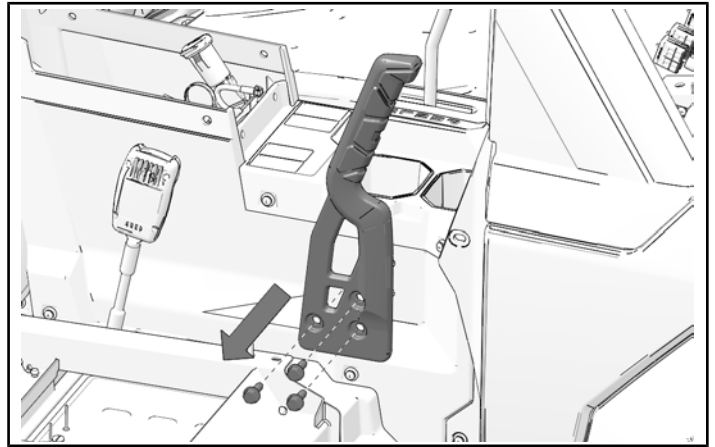
2. Remove screw from inside knob base. Remove knob base.



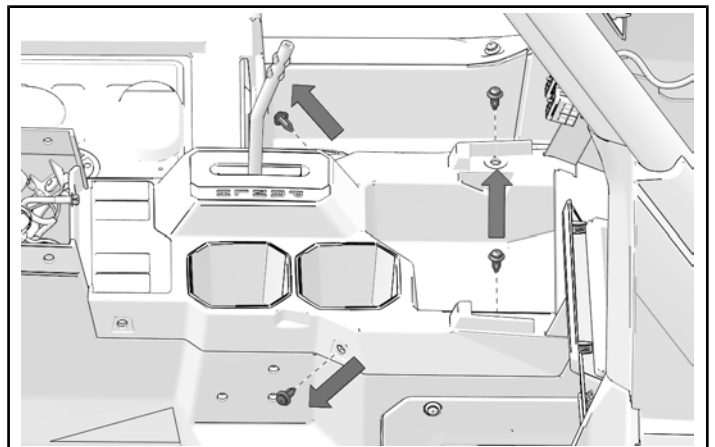
3. Remove and keep three screws and grab handle.

NOTICE

Passenger seat hidden for clarity.

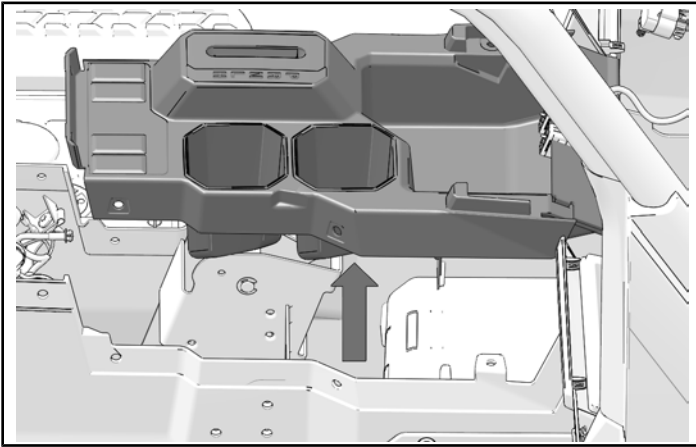


4. Remove and keep four push-pin rivets from cover.

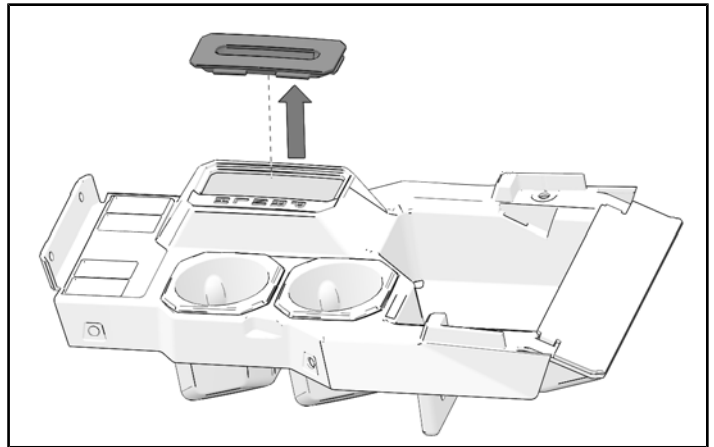


5. Place shift lever in NEUTRAL position. This will aid removal and later installation.

6. Lift cover to remove.



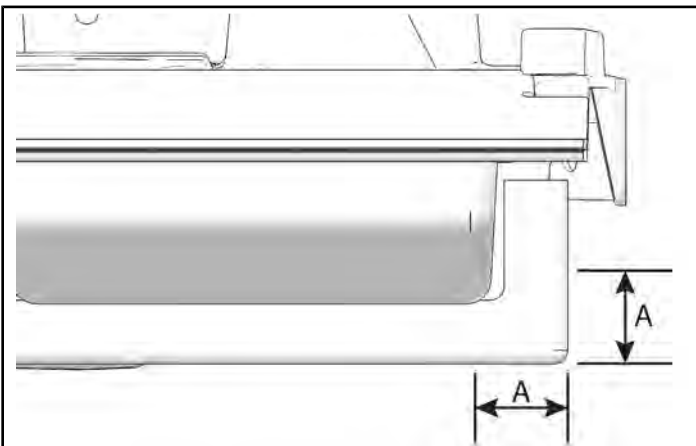
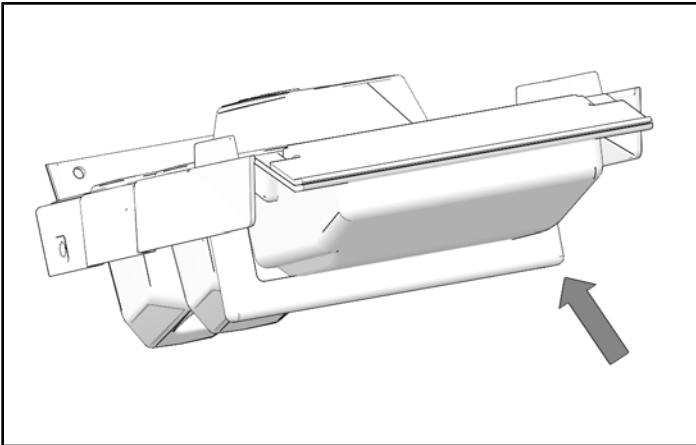
2. Remove existing shifter boot from cover.



ACCESSORY INSTALLATION

SHIFT LEVER COVER PREPARATION

1. Cut foam seal and plastic rib on bottom of shift handle cover as needed to create clearance for handle harness.



MEASUREMENT

Dimension A:
1 in (25.4 mm)

PLOW ANGLE CONTROL HARNESS INSTALLATION

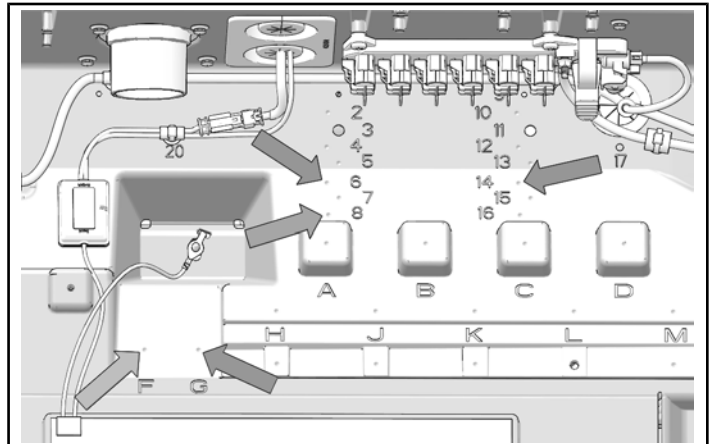
1. Drill five holes in underhood liner at locations F, G, 6, 8, and 14.

MEASUREMENT

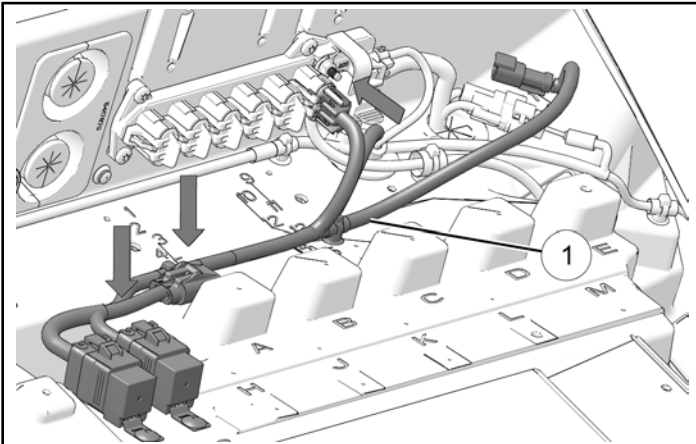
Drill bit:
1/4 in (6 mm)

IMPORTANT

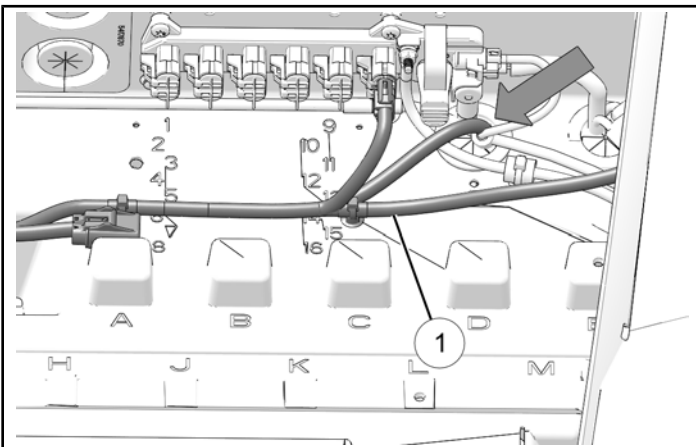
Control drill depth. Make sure drill is clear of all other parts and components to prevent damage to vehicle.



2. Install plow angle control harness ①. Install relays at locations **F** and **G**. Install fuse holder at location **8**. Install harness push dart clips at locations **6** and **14**. Plug harness into Polaris Pulse® bar.



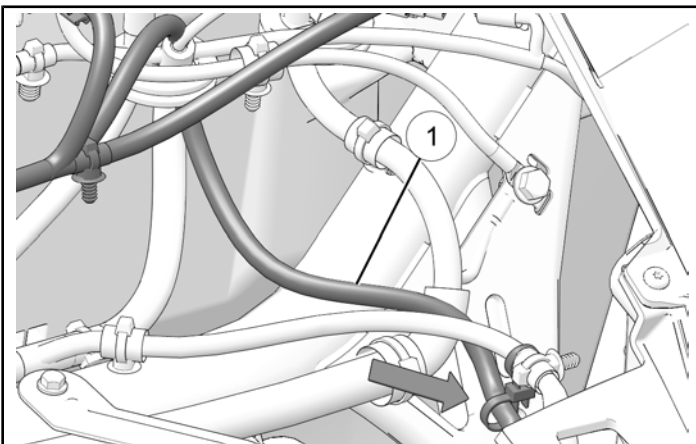
3. Route longest leg of harness ① through grommet at rear of underhood liner.



4. Route harness ① under liner and use cable tie to attach harness as shown.

NOTICE

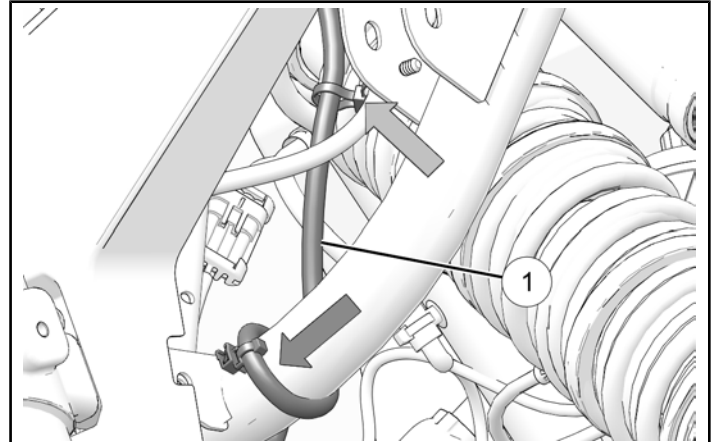
Underhood liner hidden for clarity.



5. Continue routing harness ① toward bottom of front lower fascia. Use cable tie to attach harness as shown. Wrap harness around bumper support tube as shown.

NOTICE

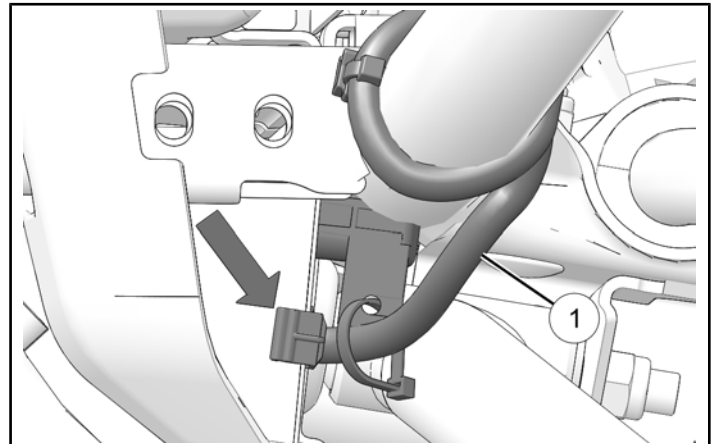
If additional harness length is needed to reach plow angle control, do not wrap harness around bumper support tube.



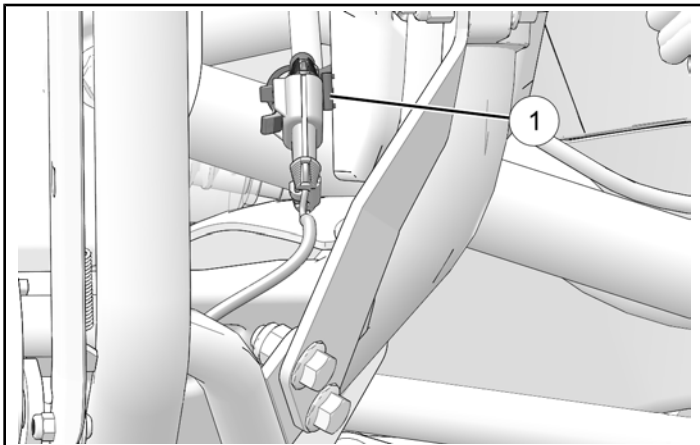
6. Connect edge clip to lower fascia as shown.

NOTICE

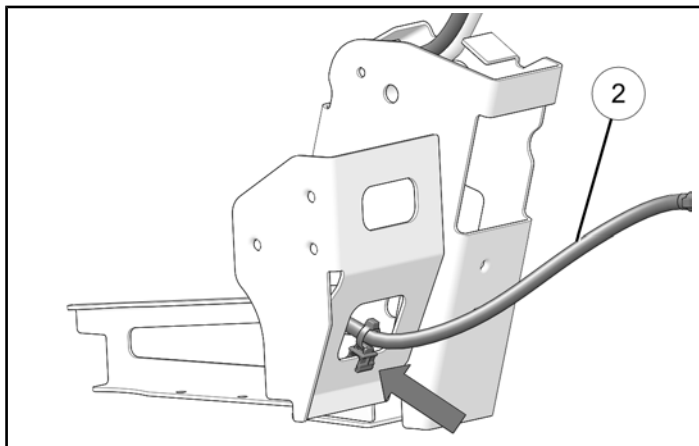
Upper clip shown in illustration is not used.



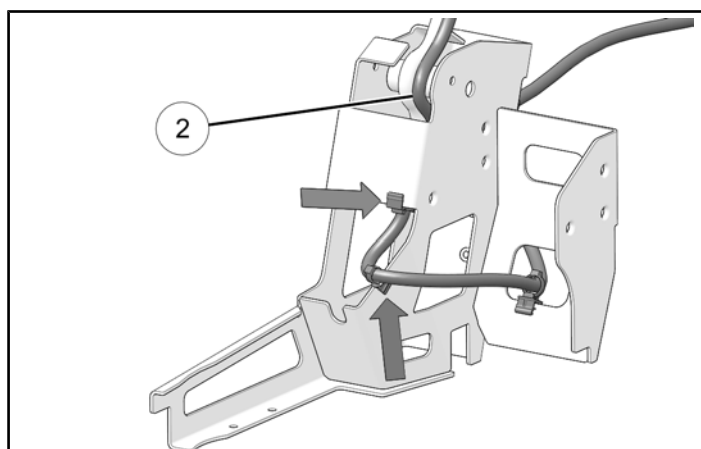
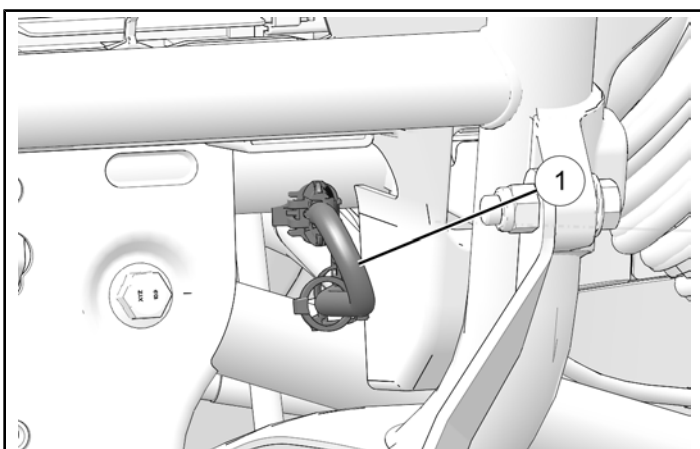
7. Connect harness ① to harness from tilt actuator.



2. Route harness ② through shifter mounting bracket, as shown. Use edge clips to attach harness to mounting bracket in three locations.

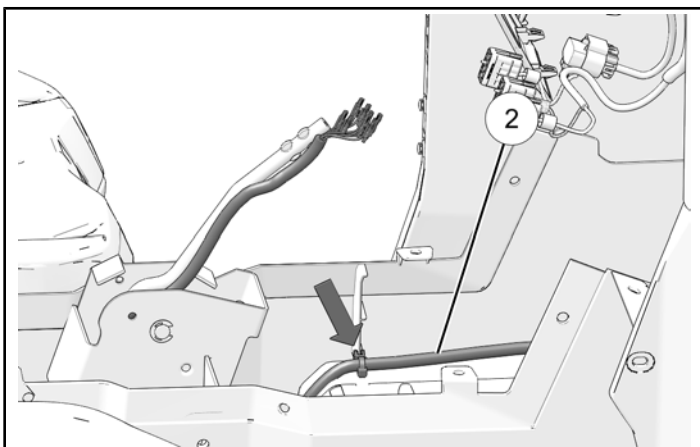


8. When plow is not in use, install tilt harness connector into cap attached to harness ①.

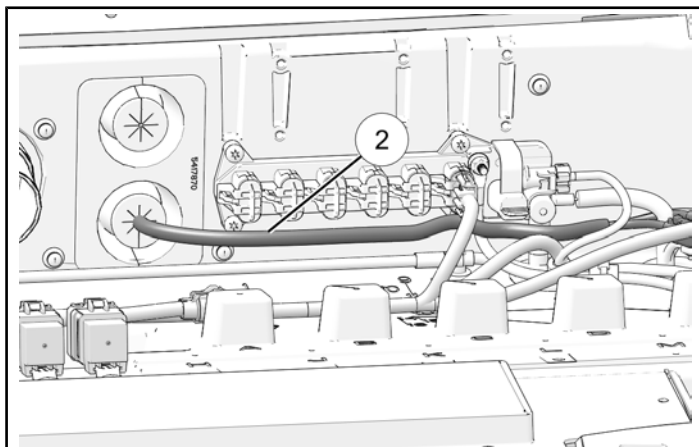


SHIFT HANDLE HARNESS INSTALLATION

1. Attach shift handle harness ② to rib in center console area with edge clip. This is the fourth edge clip from handle end of harness ②.



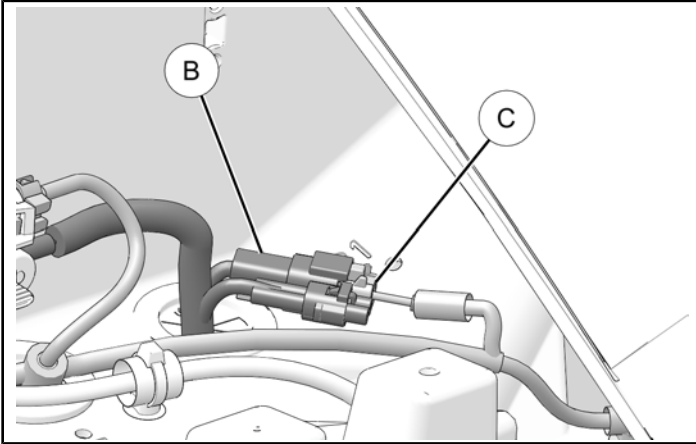
3. Route longer end of harness ② under dash area, through bottom half of grommet, and into underhood area.



4. Location connection between winch harness ② and chassis harness ③ in underhood harness. Separate these connectors.

NOTICE

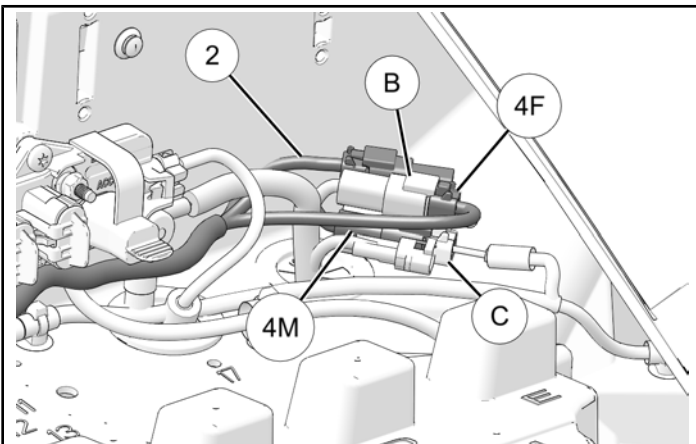
Handle harness and plow angle control harness hidden for clarity.



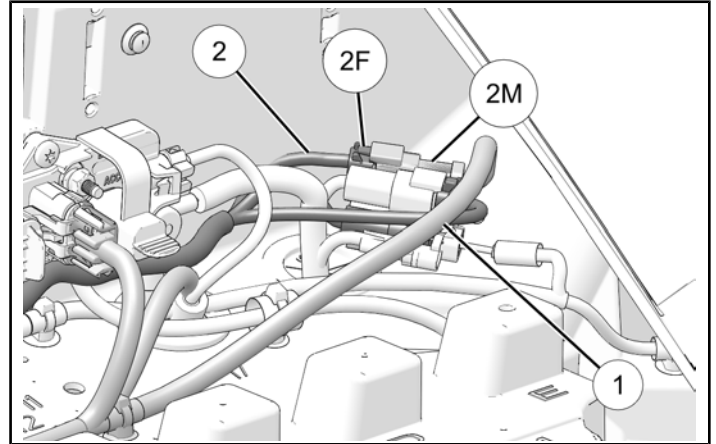
5. Install connector 4F of harness ② into connector from winch harness ②. Install connector 4M of harness ② into connector from chassis harness ③.

NOTICE

Plow angle control harness hidden for clarity.



6. Remove cap from connector 2F on harness ②. Install connector 2F into connector 2M of harness ①.

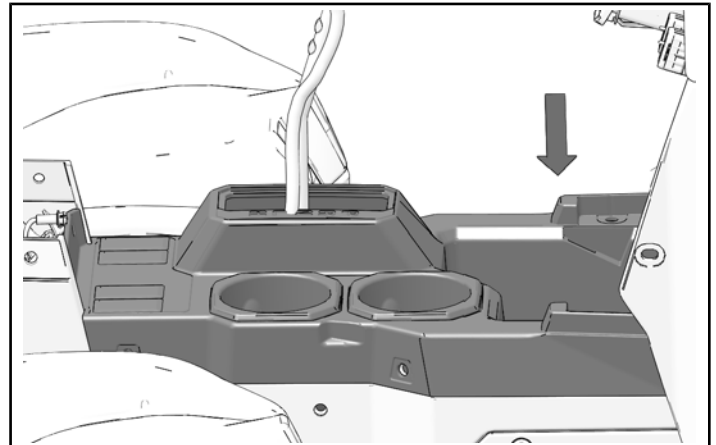


PLOW CONTROL HANDLE KNOB INSTALLATION

1. Install cover. Make sure harness ② is routed along the right side of shift handle.

NOTICE

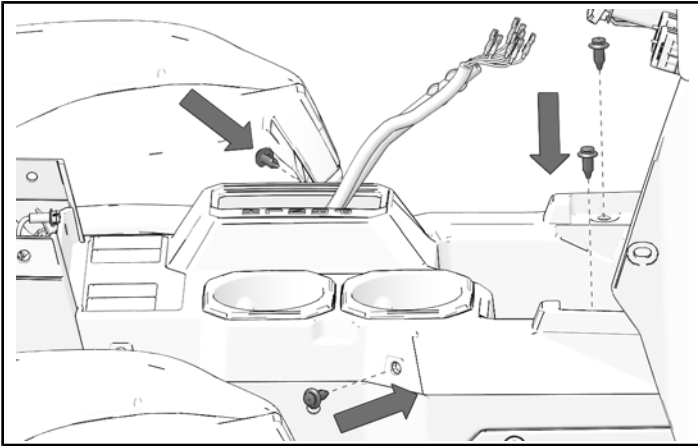
If harness is routed along front or rear of shift handle, harness will become pinched when vehicle is shifted.



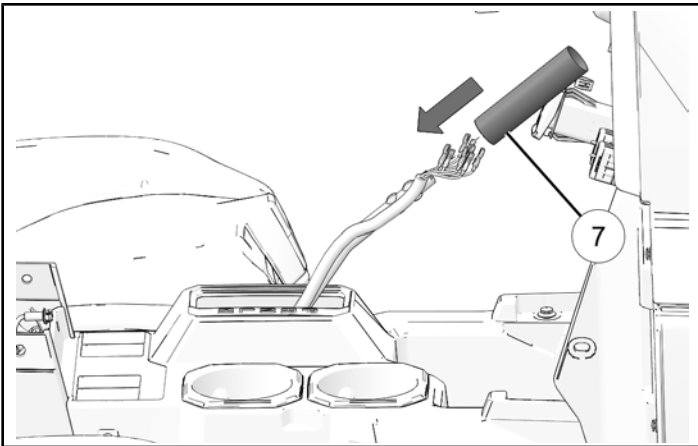
2. Install four push-pin rivets to assemble cover to base.

NOTICE

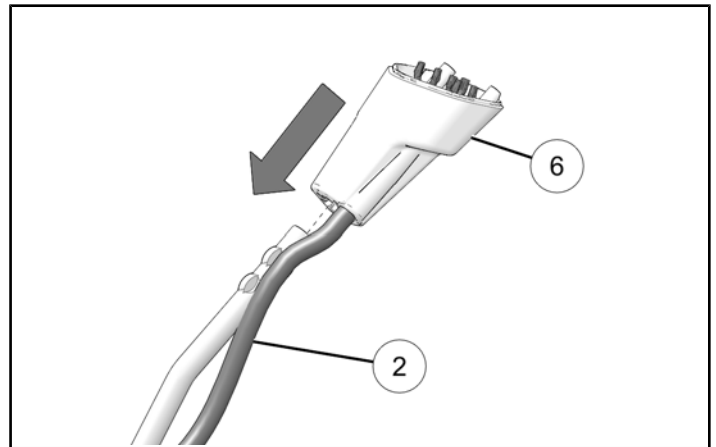
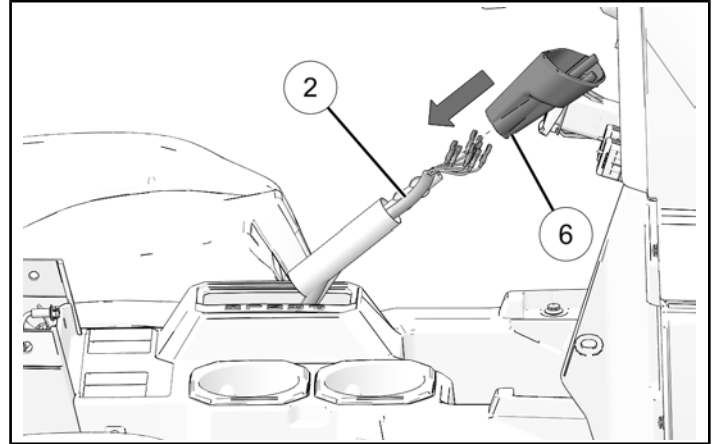
Shift handle shown in PARK position. Shift handle should remain in NEUTRAL position until installation is complete.



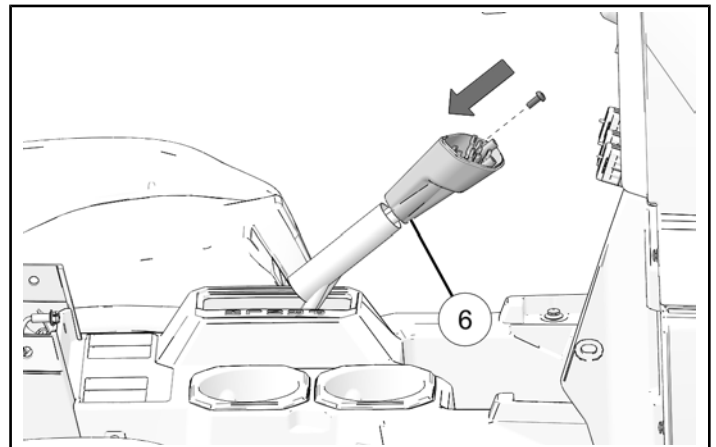
3. Install heat shrink tube ⑦ around handle and wiring harness.



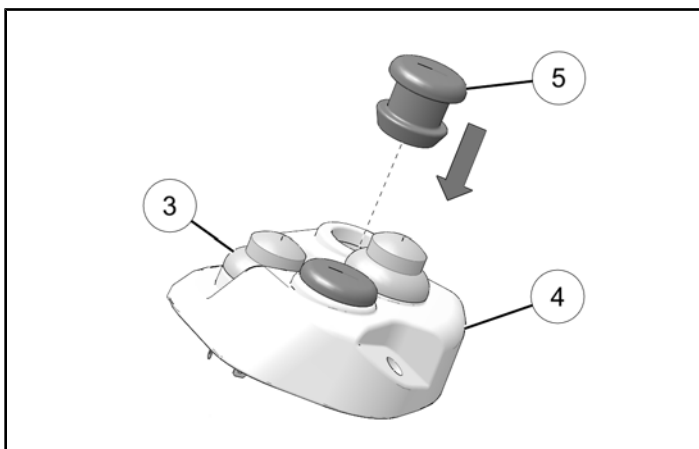
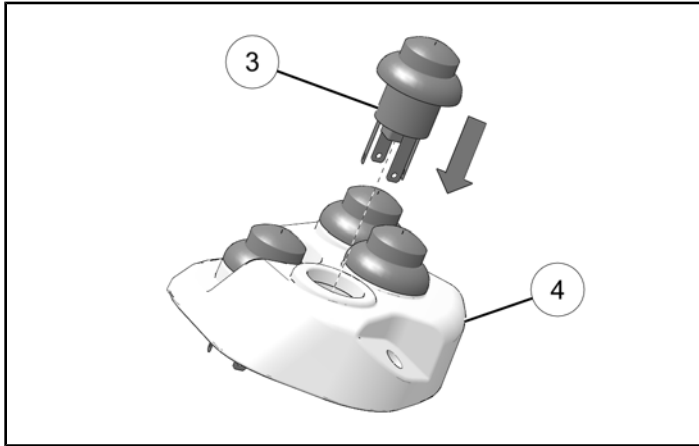
4. Install harness ② through hole in knob base ⑥. When harness is in correct position, install knob base on shift lever.



5. Use previously removed screw to assemble knob base ⑥ to shift handle.



6. Install switches ③ into shift knob cap ④. If there are positions which will not have a switch, install filler plug ⑤ instead.

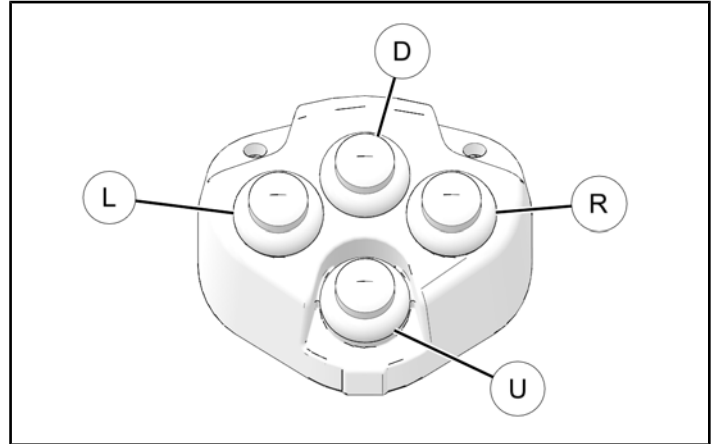


7. Connect wiring to switches ③.

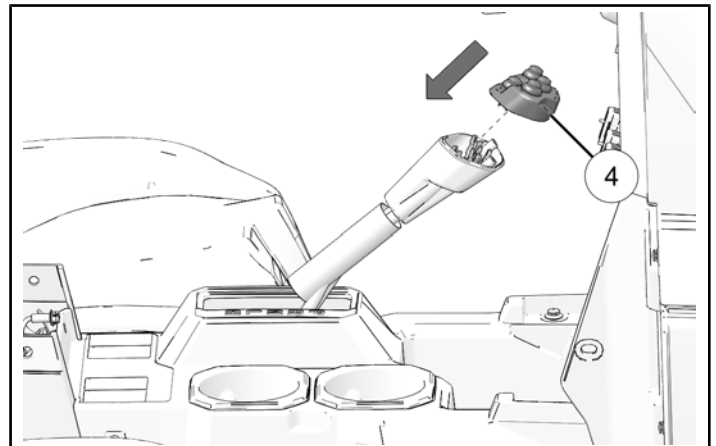
- Connect winch out wires to switch ① (Black and Orange/White).
- Connect winch in wires to switch ⑩ (Dark Green and Orange/White).
- Connect tilt left wires to switch ① (Violet and Orange/White).
- Connect tilt right wires to switch ② (Dark Blue and Orange/White).

NOTICE

Wires on each switch are interchangeable.



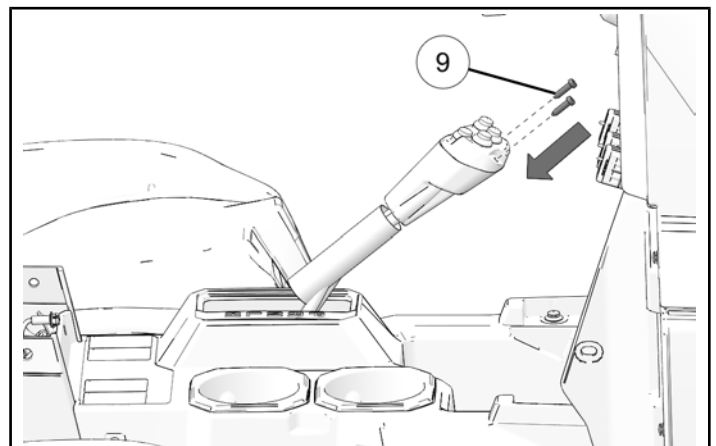
8. Install cap ④ on top of knob.



9. Install two screws ⑨ to attach cap to knob. Torque screws to specification.

TORQUE

Screws ⑨:
18 in-lbs (2 N·m)



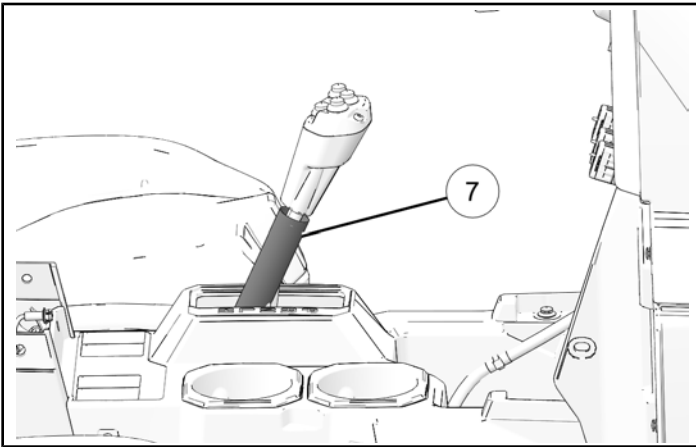
10. Push heat shrink tube ⑦ down to base of shift lever. Make sure harness is routed on right side of shift lever. Use heat gun to shrink tube in place around lever and harness.

NOTICE

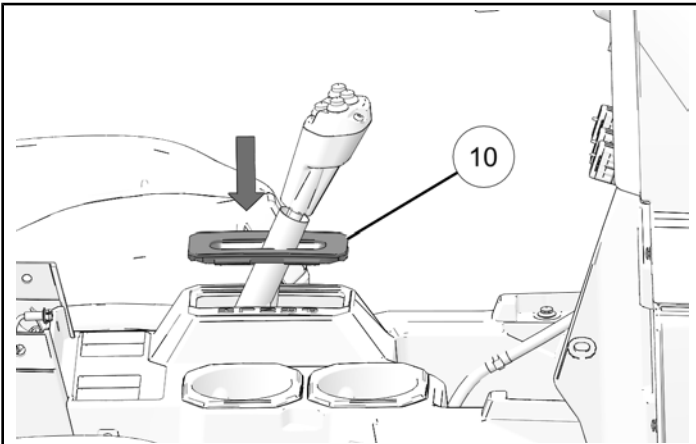
Avoid heating shift lever cover.

NOTICE

If harness is routed along front or rear of shift handle, harness will become pinched when vehicle is shifted.



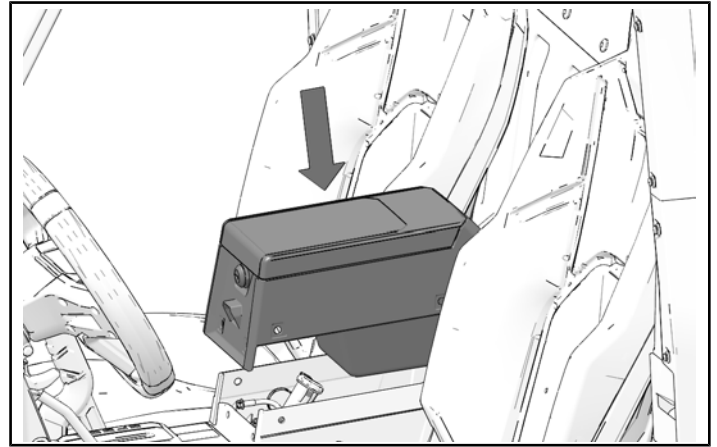
11. Install new shifter boot ⑩ into cover. Thicker side of boot should be toward left side. Thinner side should be toward right side.



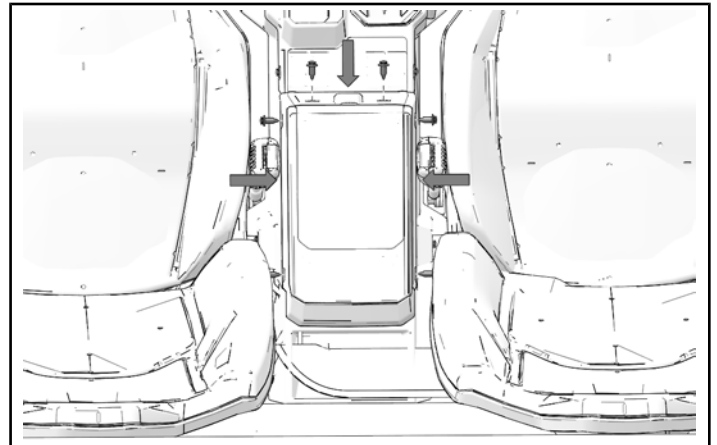
VEHICLE REASSEMBLY

INSTALL CENTER CONSOLE

1. Set center console into proper position. Connect electrical components that were previously disconnected.



2. Install six push-pin rivets to attach center console.



INSTALL DASHBOARD

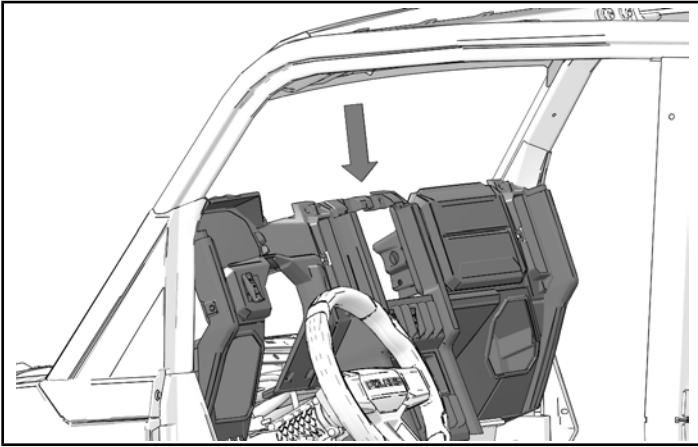
NOTICE

Doors hidden for clarity.

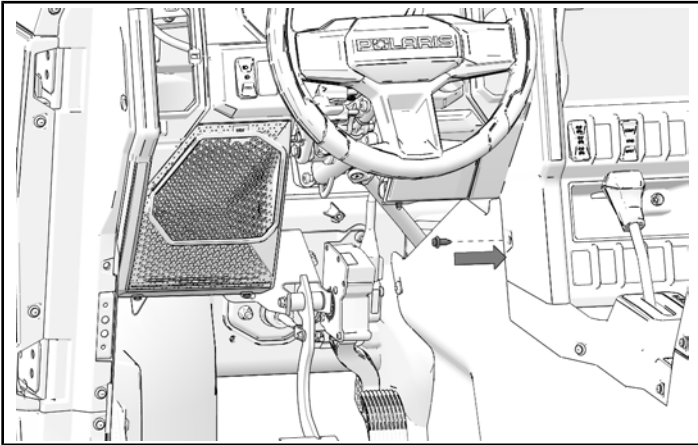
1. Install dashboard in vehicle.

NOTICE

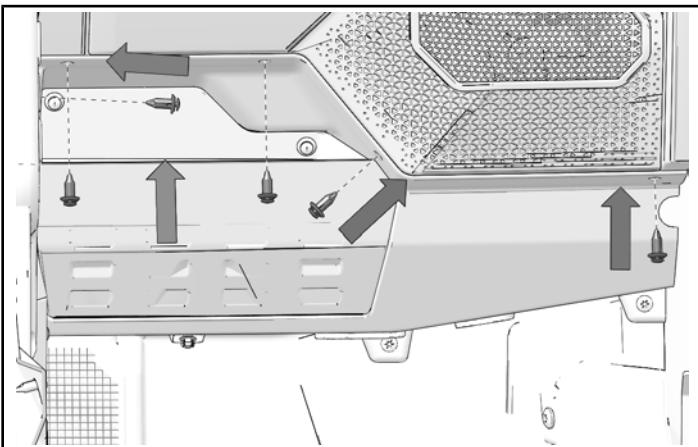
Make sure to connect electronic components (switches, speakers, etc.) as dashboard is installed.



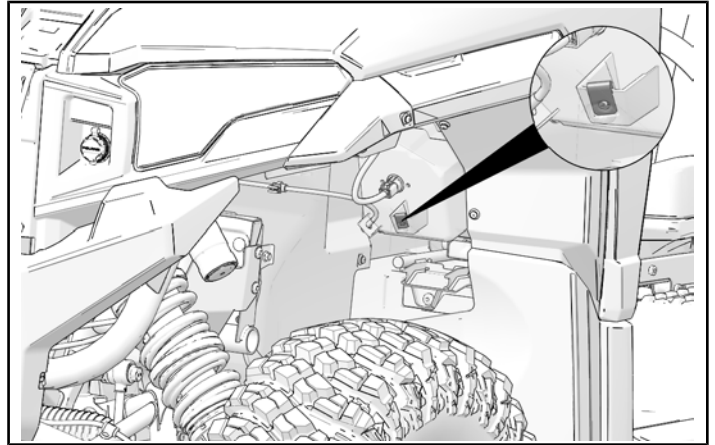
2. Install push-pin rivet at bottom of dashboard in front of drivers seat.



3. Install five push-pin rivets at bottom of dashboard in front of passenger seat.



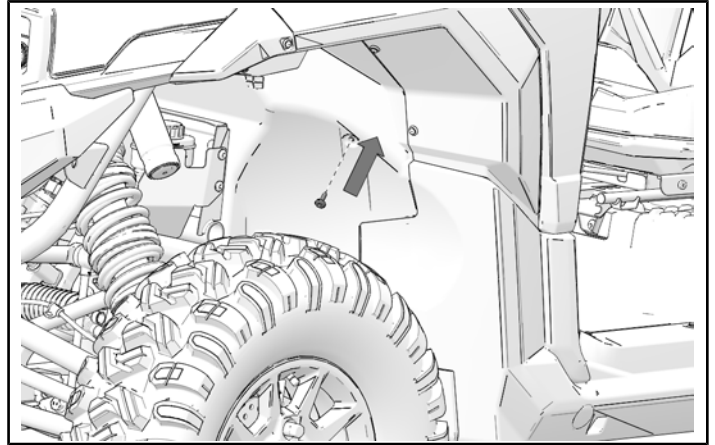
4. Make sure the clip on the dashboard is installed as shown.



5. Install one screw in each front wheel well.

NOTICE

Left side shown; right side similar.



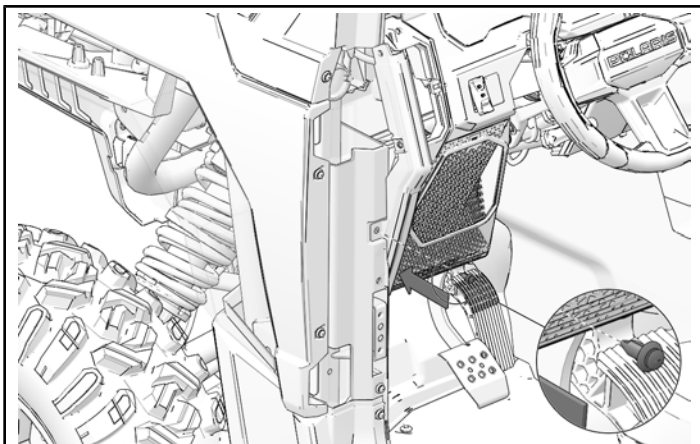
- Carefully pull trim away from vehicle and install one push-pin rivet in side of dashboard.

NOTICE

Left side shown; right side similar.

NOTICE

Trim hidden for clarity.



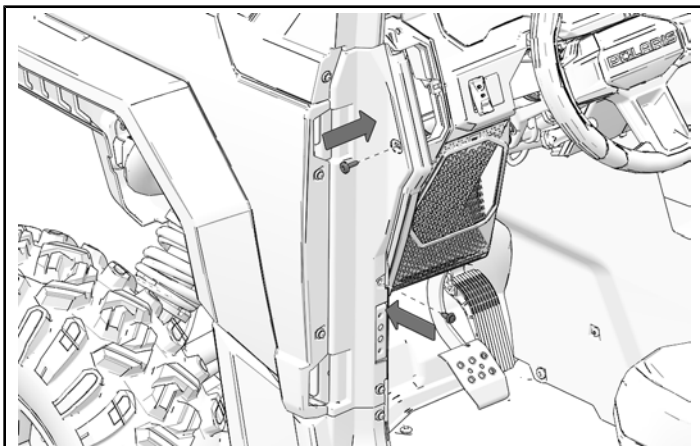
- Install screw and push-pin rivet in left side door frame.

NOTICE

Left side shown; right side similar.

NOTICE

Doors will need to be fully open to access and install these fasteners.



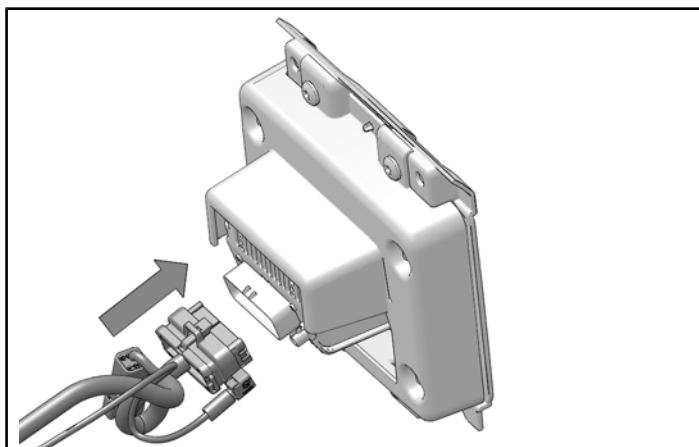
- Repeat Step 5 and Step 6 on right side of vehicle.

HEAD UNIT INSTALLATION

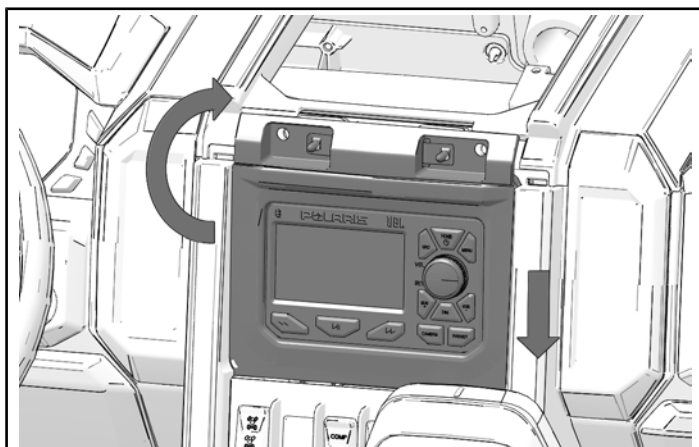
NOTICE

Base audio head unit installation shown. Ride Command® display installation similar.

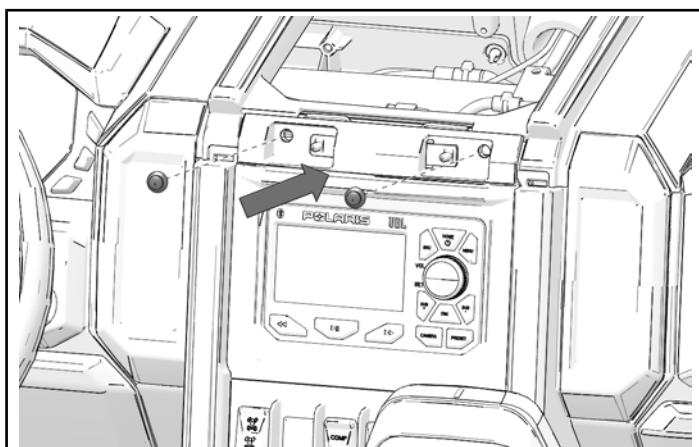
- Attach wiring harness and antenna to head unit.



- Put bottom of head unit into position. Push top of head unit into dash.

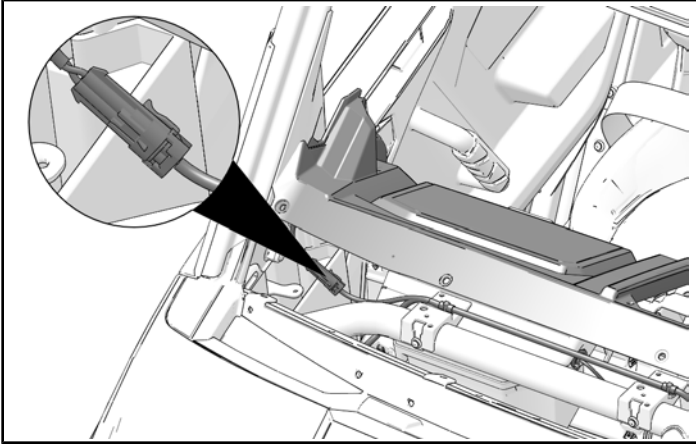


- Install two push-pin rivets into top of head unit.



INSTALL DASH COVER

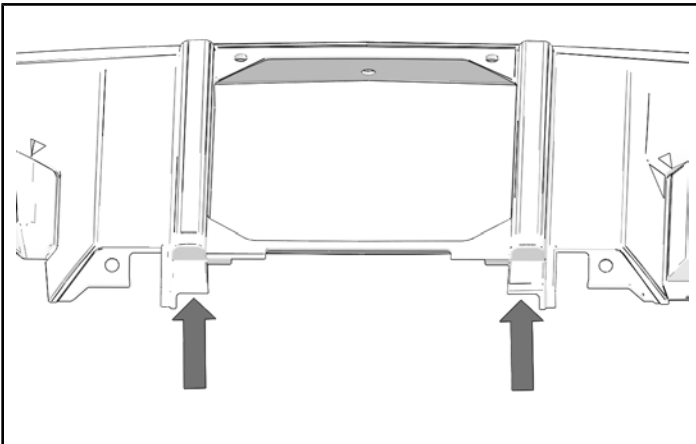
1. Connect speaker wires if necessary.



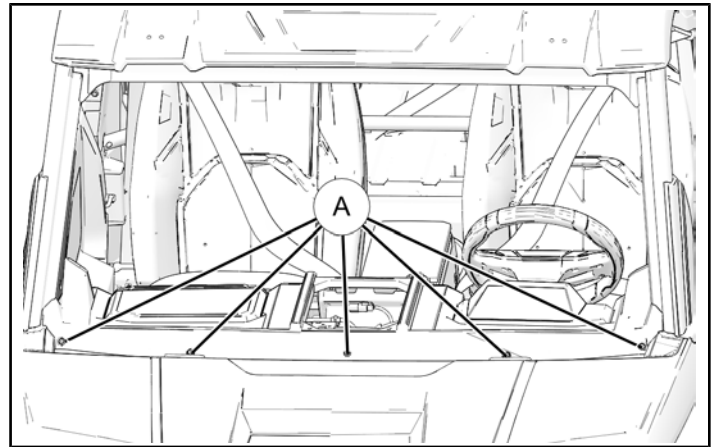
2. Put front of dash cover in position and set into place. Make sure center of dash is placed in slots on vehicle.

TIP

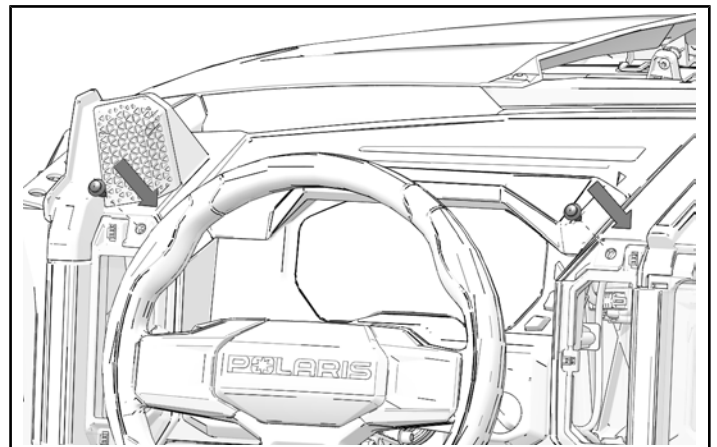
If head unit/storage bin was not removed, make sure these tabs are inserted behind the head unit trim.



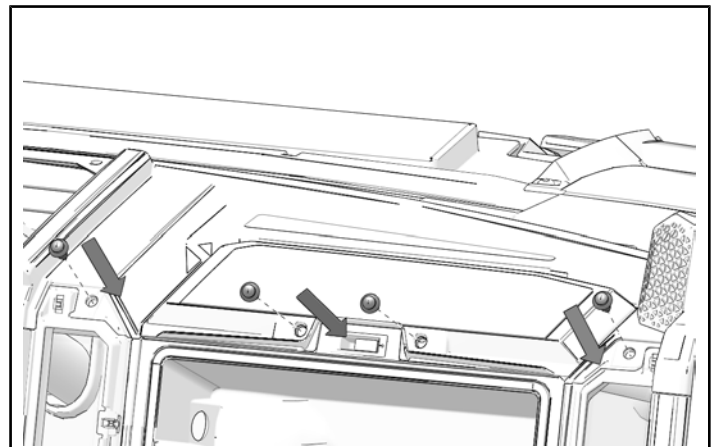
3. Install five push screws (A).



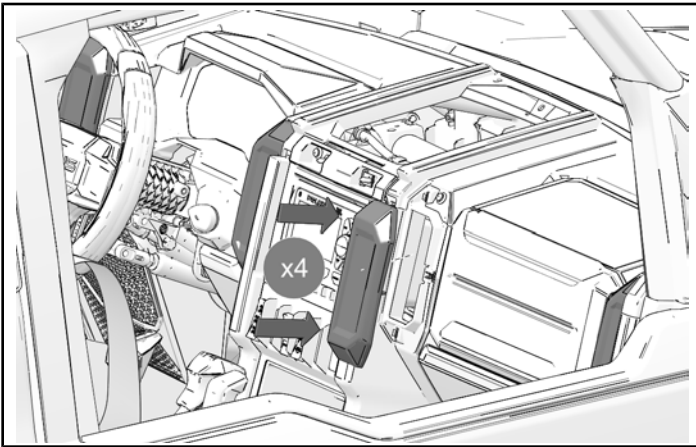
4. Install two push pin rivets on drivers side of dash cover.



5. Install four push pin rivets on passenger side of dash cover.



6. Install four dash vent covers. Push evenly at top and bottom to install.



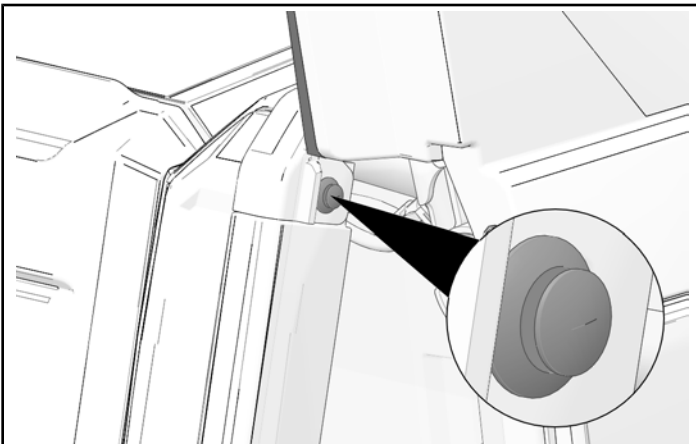
7. Install one push pin rivet at each side of dash.

NOTICE

A-pillar trim hidden for clarity.

NOTICE

Right side shown; left side similar.



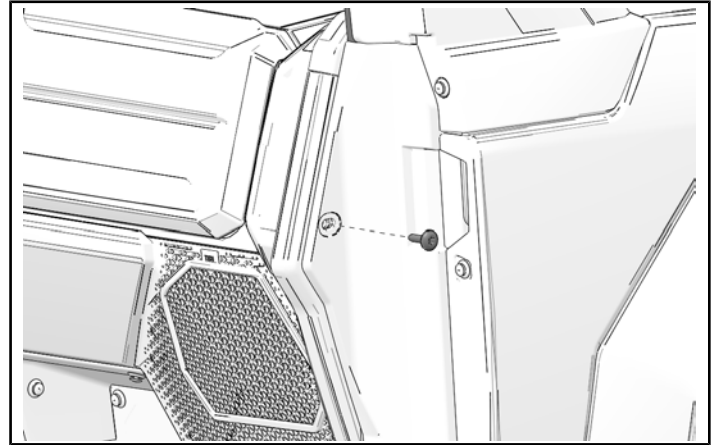
8. Install one screw at each side of dash. Torque to specification.

NOTICE

Right side shown; left side similar.

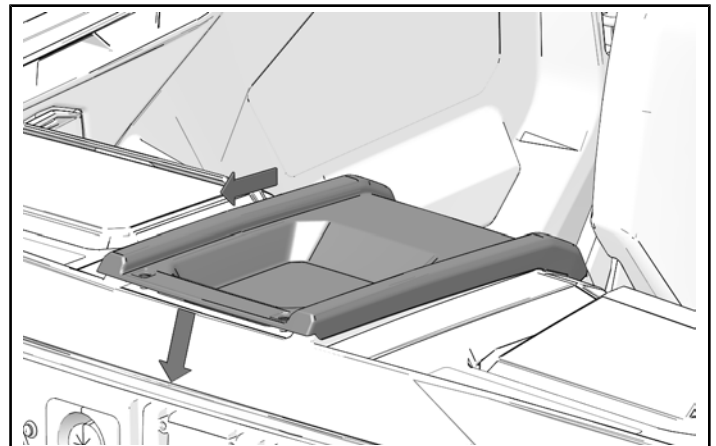
TORQUE

Dash Screws:
26.5 in-lbs (3 N·m)

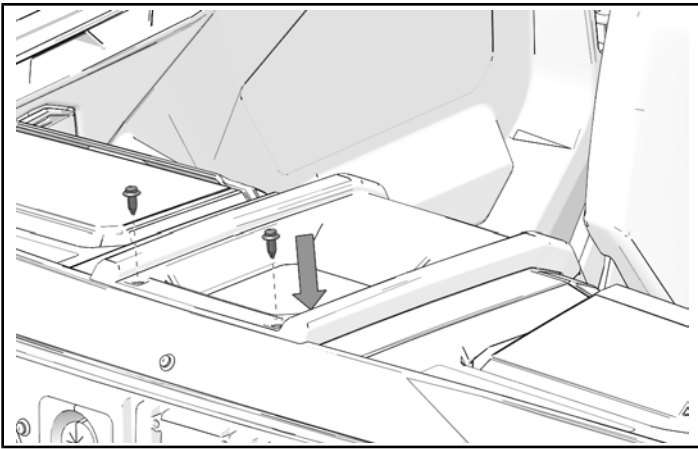


CENTER DASH PANEL INSTALLATION

1. Install center panel. Install rear tabs into dash, then lower into position.



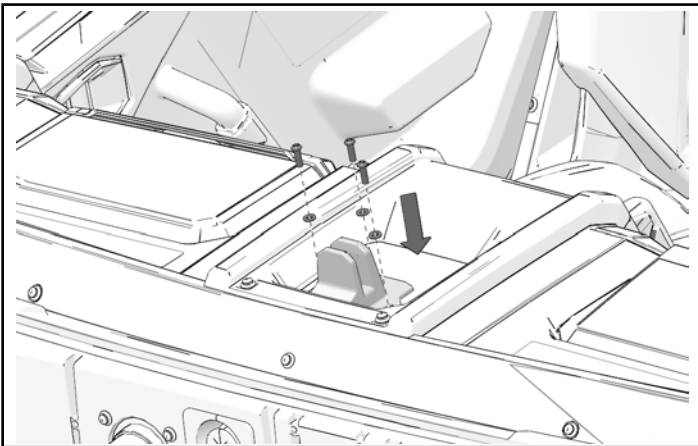
2. Install two push-pin rivets.



3. If vehicle is equipped with tip-out windshield. Install base, three screws, and washers. Torque screws to specification.

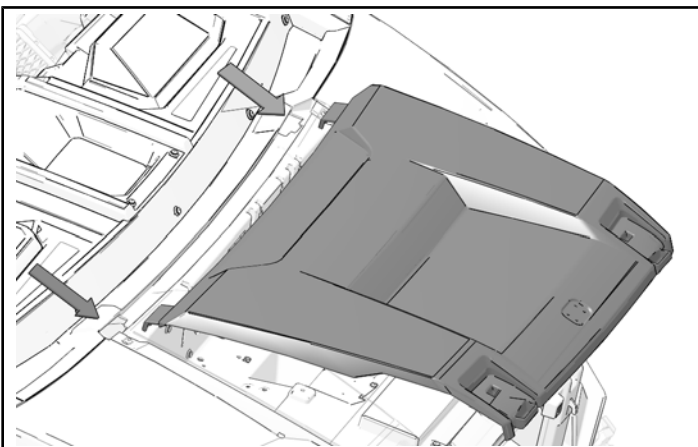
TORQUE

Base Screws:
89 in-lbs (10 N·m)

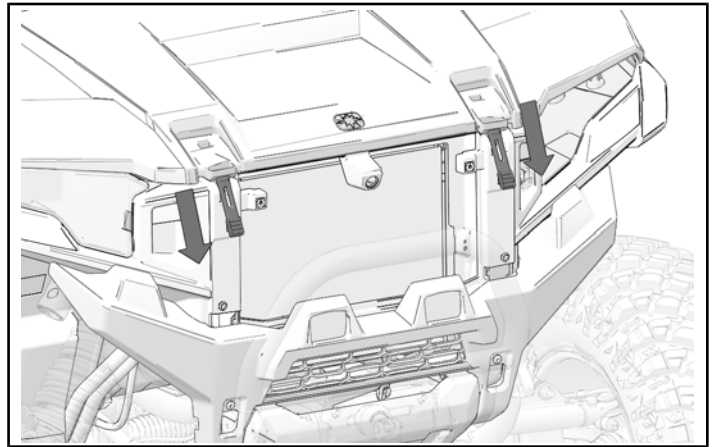


HOOD AND GRILL INSTALLATION

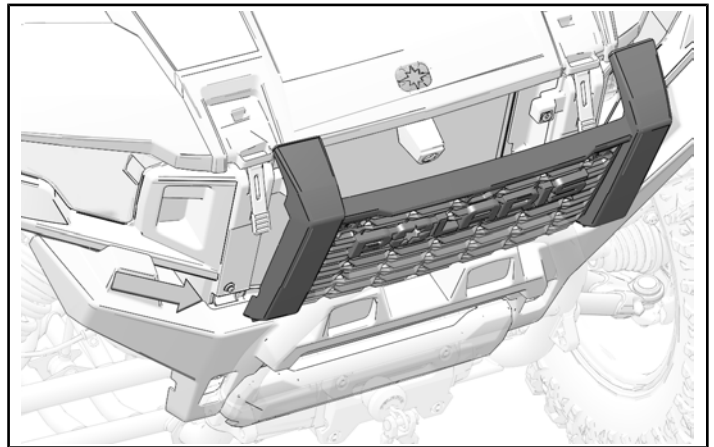
1. Put tabs on hood through openings in underhood liner. Then lower hood into position.



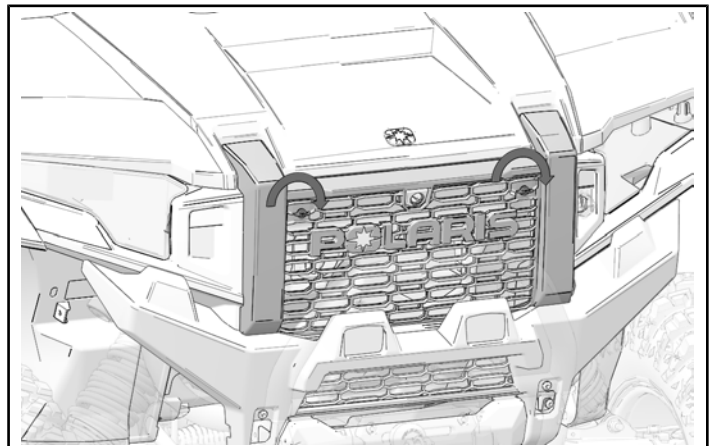
2. Pull rubber straps down over hooks to secure hood.



3. Put tabs on grill through openings in front fascia. Push top of grill into correct position.



4. Push each stud in and turn one-quarter turn clockwise to attach grill.

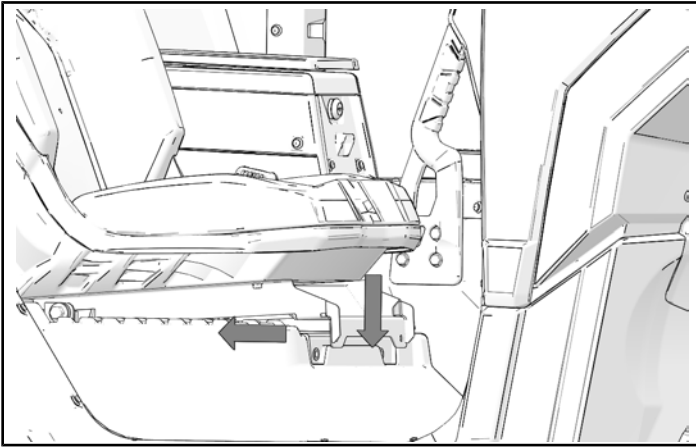


PASSENGER SEAT INSTALLATION

NOTICE

Doors hidden for clarity.

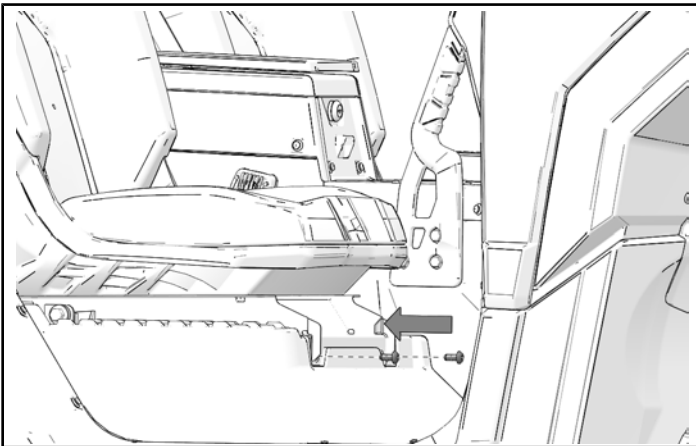
1. Push rearward to engage seat and lower front of seat into place.



2. Install two kept screws at front of seat base. Torque screws to specification.

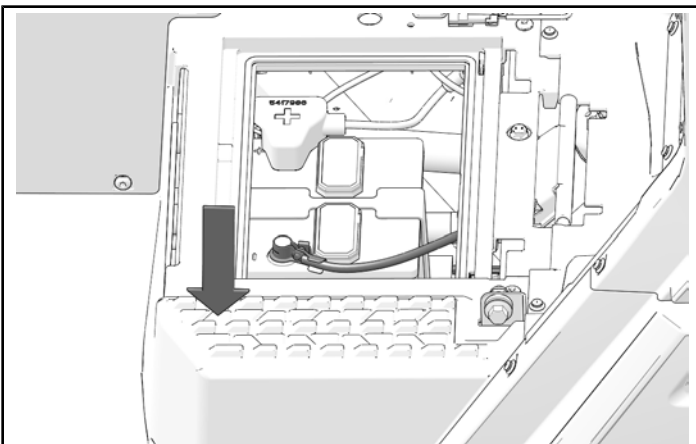
TORQUE

Screws:
13 ft-lbs (18 N·m)

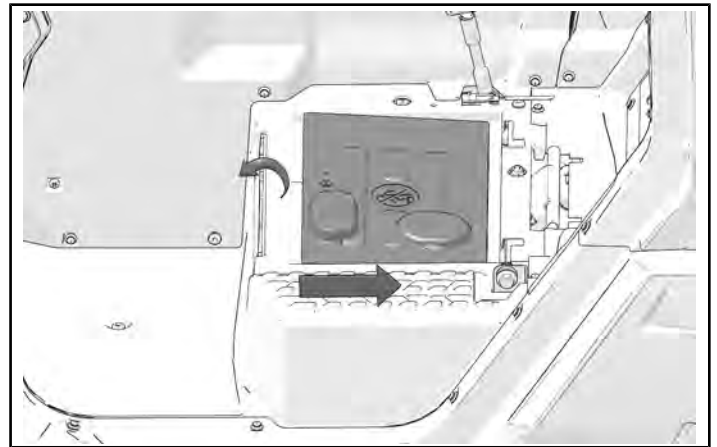


CONNECT BATTERY

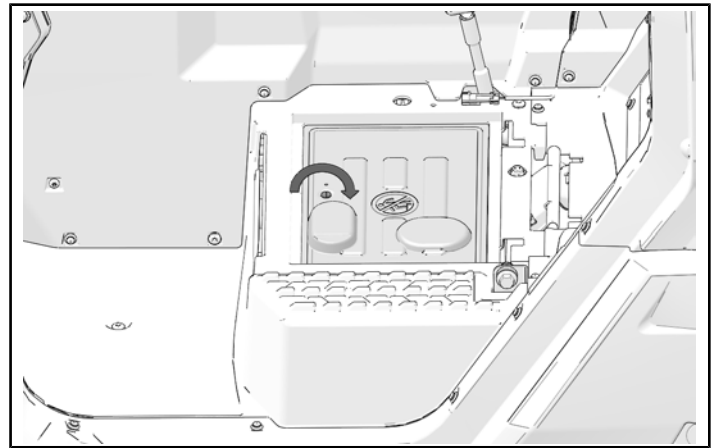
1. Connect negative cable to battery.



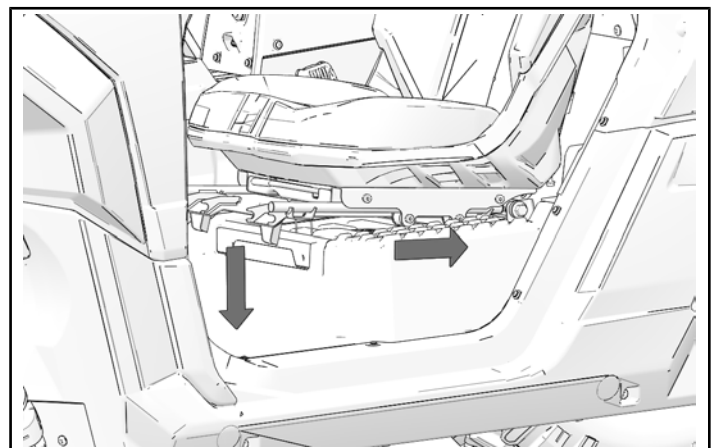
2. Push battery cover rearward and lower into place.



3. Turn screw to close cover.



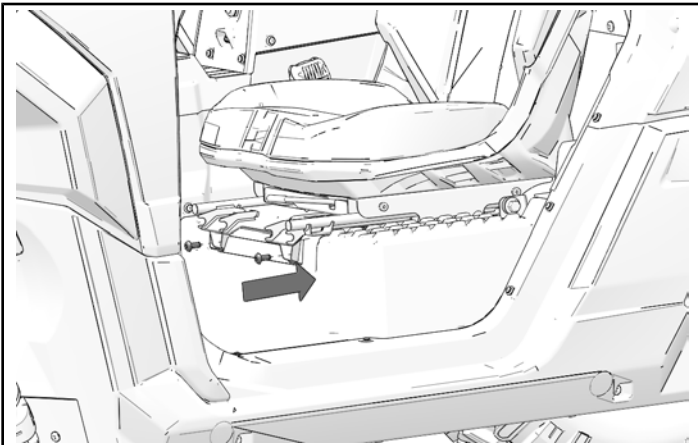
4. Push rearward to engage seat and lower front of seat into place.



5. Install two kept screws at front of seat base.
Torque screws to specification.

TORQUE

Screws:
13 ft-lbs (18 N·m)



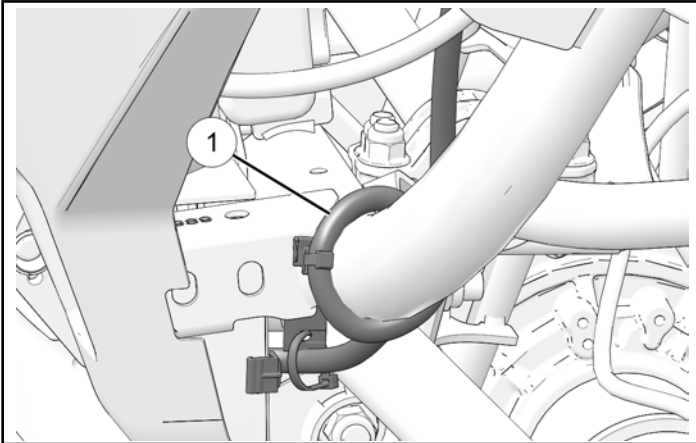
OPERATION

HARNESS STORAGE

When hydraulic tilt actuator is not in use, harness ① should be stored in front of vehicle to prevent damage. Install attached cap on end of harness. Wrap harness around bumper support tube. Use edge clip to attach harness to front fascia or HD bumper.

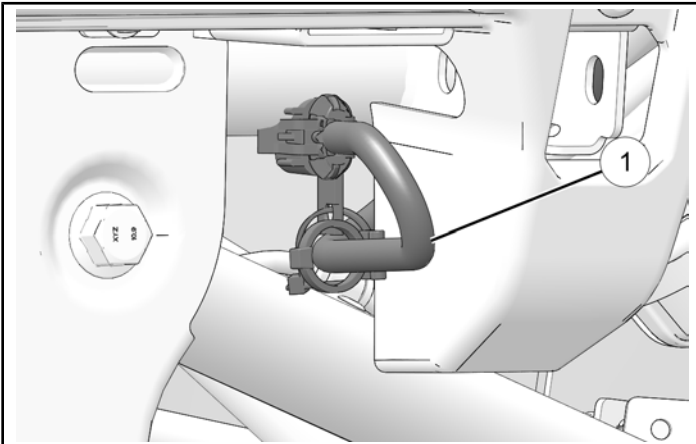
NOTICE

Left side view

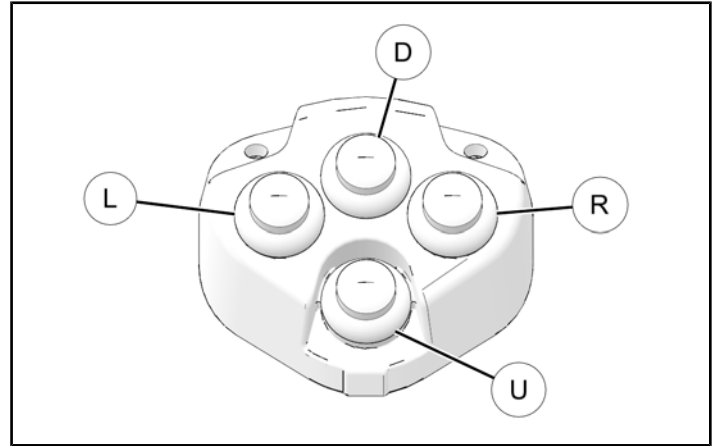


NOTICE

Front view



SHIFT KNOB FUNCTIONS



- Press and hold switch ① to lower plow blade.
- Press and hold switch ② to raise plow blade.
- Press and hold switch ③ to tilt blade toward the left.
- Press and hold switch ④ to tilt blade toward the right.