



ATV KIT - Seat Heater

Product:	ATV
Project no:	487803455_rev1
Instruction Sheet P/N:	487803455
Revision no:	1
Revision date:	August, 2023
Item covered:	Seat Heater

The following symbols may be used in this document:

WARNING

Indicates a hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION: Indicates a hazard situation which, if not avoided, could result in minor or moderate injury.

NOTICE Indicates an instruction which, if not followed, could severely damage vehicle components or other property.

WARNING

- This kit is designed for specific applicable models only (authorized BRP dealers will confirm model(s)). It is not recommended for units other than the one (those) for which it was sold.
- If the installation of the kit requires a template, ensure template is to scale.
- Should removal of a locking device (e.g. lock tabs, self-locking fasteners, etc.) be required when undergoing disassembly/ assembly, always replace with a new one.
- Torque wrench tightening specifications must strictly be adhered to.
- Always wear EYE PROTECTION AND APPROPRIATE GLOVES when using power tools.
- Unless otherwise specified, engine must be OFF when performing any operation on the vehicle.
- Always be aware of parts that can move, such as wheels, transmission components, etc.
- Some components may be HOT. Always wait for engine to cool down before performing work.

WARNING

Some important safety information and/or operating instructions dedicated to the end user might be included in this instruction sheet. Make sure to give the kit part number as well as the instruction sheet included with this kit to the customer. Verify that the customer has access to all the information required for proper use of the accessory.

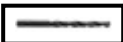
NOTE: USE TIGHTENING TORQUES IN THE FOLLOWING TABLE IF NOT OTHERWISE SPECIFIED.

	GRADE			
	5.8	8.8	10.9	12.9
M4	$1.8 \pm 0.2 \text{ N}\cdot\text{m}$ (16 $\pm 2 \text{ lbf}\cdot\text{in}$)	$2.8 \pm 0.2 \text{ N}\cdot\text{m}$ (25 $\pm 2 \text{ lbf}\cdot\text{in}$)	$3.8 \pm 0.2 \text{ N}\cdot\text{m}$ (34 $\pm 2 \text{ lbf}\cdot\text{in}$)	$4.5 \pm 0.5 \text{ N}\cdot\text{m}$ (40 $\pm 4 \text{ lbf}\cdot\text{in}$)
M5	$3.3 \pm 0.2 \text{ N}\cdot\text{m}$ (29 $\pm 2 \text{ lbf}\cdot\text{in}$)	$5 \pm 0.5 \text{ N}\cdot\text{m}$ (44 $\pm 4 \text{ lbf}\cdot\text{in}$)	$7.8 \pm 0.7 \text{ N}\cdot\text{m}$ (69 $\pm 6 \text{ lbf}\cdot\text{in}$)	$9 \pm 1 \text{ N}\cdot\text{m}$ (80 $\pm 9 \text{ lbf}\cdot\text{in}$)
M6	$7.5 \pm 1 \text{ N}\cdot\text{m}$ (66 $\pm 9 \text{ lbf}\cdot\text{in}$)	$10 \pm 2 \text{ N}\cdot\text{m}$ (89 $\pm 18 \text{ lbf}\cdot\text{in}$)	$12.8 \pm 2.2 \text{ N}\cdot\text{m}$ (113 $\pm 19 \text{ lbf}\cdot\text{in}$)	$16 \pm 2 \text{ N}\cdot\text{m}$ (142 $\pm 18 \text{ lbf}\cdot\text{in}$)
M8	$15.3 \pm 1.7 \text{ N}\cdot\text{m}$ (135 $\pm 15 \text{ lbf}\cdot\text{in}$)	$24.5 \pm 3.5 \text{ N}\cdot\text{m}$ (18 $\pm 3 \text{ lbf}\cdot\text{ft}$)	$31.5 \pm 3.5 \text{ N}\cdot\text{m}$ (23 $\pm 3 \text{ lbf}\cdot\text{ft}$)	$40 \pm 5 \text{ N}\cdot\text{m}$ (30 $\pm 4 \text{ lbf}\cdot\text{ft}$)
M10	$29 \pm 3 \text{ N}\cdot\text{m}$ (21 $\pm 2 \text{ lbf}\cdot\text{ft}$)	$48 \pm 6 \text{ N}\cdot\text{m}$ (35 $\pm 4 \text{ lbf}\cdot\text{ft}$)	$61 \pm 9 \text{ N}\cdot\text{m}$ (45 $\pm 7 \text{ lbf}\cdot\text{ft}$)	$73 \pm 7 \text{ N}\cdot\text{m}$ (54 $\pm 5 \text{ lbf}\cdot\text{ft}$)
M12	$52 \pm 6 \text{ N}\cdot\text{m}$ (38 $\pm 4 \text{ lbf}\cdot\text{ft}$)	$85 \pm 10 \text{ N}\cdot\text{m}$ (63 $\pm 7 \text{ lbf}\cdot\text{ft}$)	$105 \pm 15 \text{ N}\cdot\text{m}$ (77 $\pm 11 \text{ lbf}\cdot\text{ft}$)	$128 \pm 17 \text{ N}\cdot\text{m}$ (94 $\pm 13 \text{ lbf}\cdot\text{ft}$)
M14	$85 \pm 10 \text{ N}\cdot\text{m}$ (63 $\pm 7 \text{ lbf}\cdot\text{ft}$)	$135 \pm 15 \text{ N}\cdot\text{m}$ (100 $\pm 11 \text{ lbf}\cdot\text{ft}$)	$170 \pm 20 \text{ N}\cdot\text{m}$ (125 $\pm 15 \text{ lbf}\cdot\text{ft}$)	$200 \pm 25 \text{ N}\cdot\text{m}$ (148 $\pm 18 \text{ lbf}\cdot\text{ft}$)
M16	$126 \pm 14 \text{ N}\cdot\text{m}$ (93 $\pm 10 \text{ lbf}\cdot\text{ft}$)	$205 \pm 25 \text{ N}\cdot\text{m}$ (151 $\pm 18 \text{ lbf}\cdot\text{ft}$)	$255 \pm 30 \text{ N}\cdot\text{m}$ (188 $\pm 22 \text{ lbf}\cdot\text{ft}$)	$305 \pm 35 \text{ N}\cdot\text{m}$ (225 $\pm 26 \text{ lbf}\cdot\text{ft}$)
M18	$170 \pm 20 \text{ N}\cdot\text{m}$ (125 $\pm 15 \text{ lbf}\cdot\text{ft}$)	$273 \pm 32 \text{ N}\cdot\text{m}$ (201 $\pm 24 \text{ lbf}\cdot\text{ft}$)	$330 \pm 25 \text{ N}\cdot\text{m}$ (243 $\pm 18 \text{ lbf}\cdot\text{ft}$)	$413 \pm 47 \text{ N}\cdot\text{m}$ (305 $\pm 35 \text{ lbf}\cdot\text{ft}$)

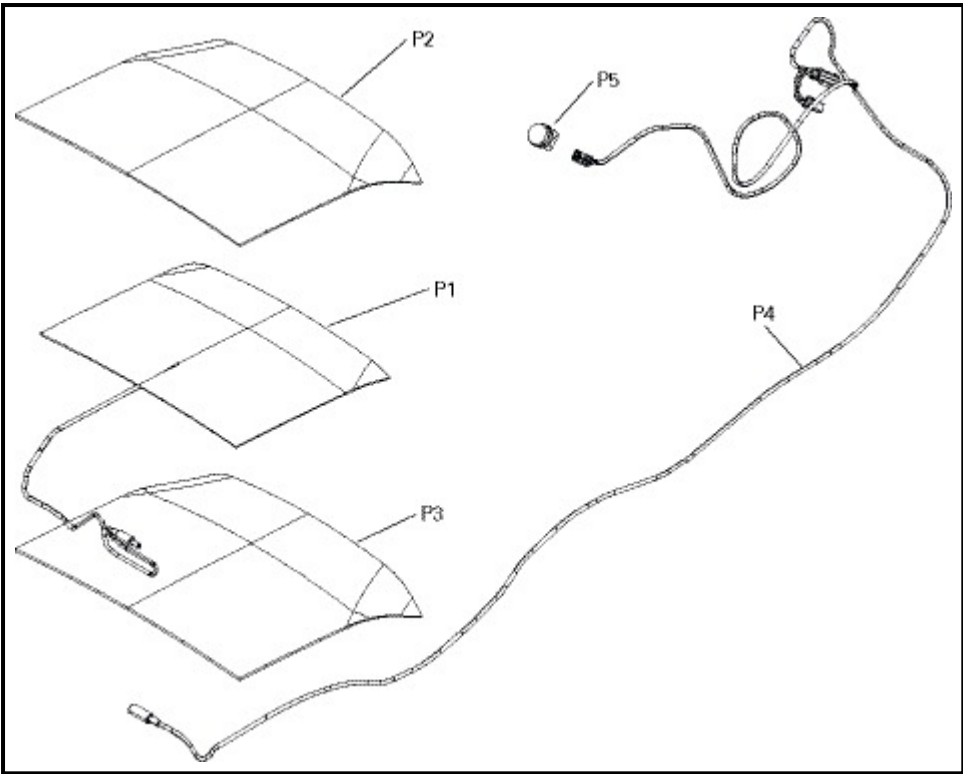
The illustrations in this document show typical construction of the different assemblies and may not reproduce the full detail or exact shape of the parts; however, they represent parts that have the same or similar function.

Installation time is approximately **0.75** hour.

REQUIRED TOOLS

REQUIRED TOOL			USE
T1	Drill bit 20 mm (13/16 in)		To drill console on G2 models To drill glove box on G3 models

PARTS TO BE INSTALLED



ITEM	DESCRIPTION	Part number	QTY
P1	Heat pad	Not available separately	1
P2	Foam pad (10.75 X 9.5)	Not available separately	1
P3	Foam pad (12 X 10)	Not available separately	1
P4	Wiring Harness	Not available separately	1
P5	Switch	Not available separately	1
P6	Locking tie 180 mm (7.1 in) (not shown)	294000606	10

NOTE: The below instruction is for G2L, G2 & G3 Models, make sure to select the right section for your vehicle.

NOTE: The Heavy-Duty Seat Cover is required for installation:

- For G2 platform Heavy-Duty Seat Cover (P/N 715007212)
- For G3L 1-UP platform Heavy-Duty Seat Cover (P/N 715008311)
- For G3L 2-UP platform Heavy-Duty Seat Cover (P/N 715008313)

VEHICLE PREPARATION

NOTICE Always disconnect battery before doing any electrical work. Do not place tools on battery.

Proceed exactly in this specific order:

- Disconnect BLACK cable (-) first.
- Disconnect RED cable (+) after.
- Secure battery by covering poles with isolating material.

G3L Models

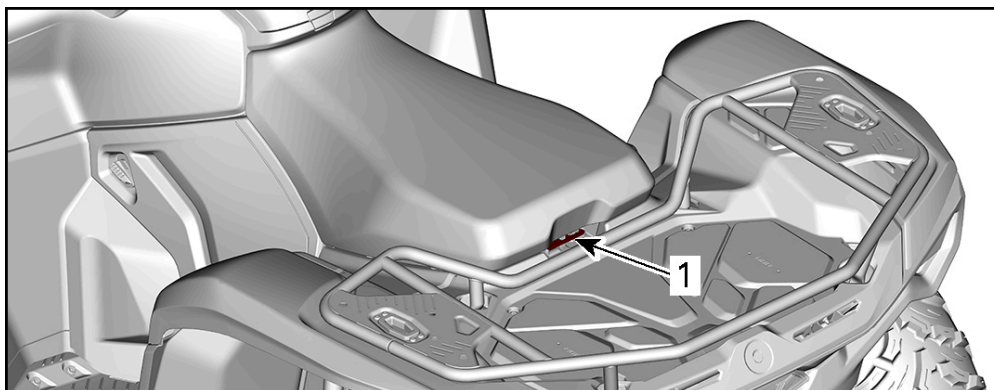
Remove the following components.

- Seat
- Console
- Glove Box

Removing the Seat

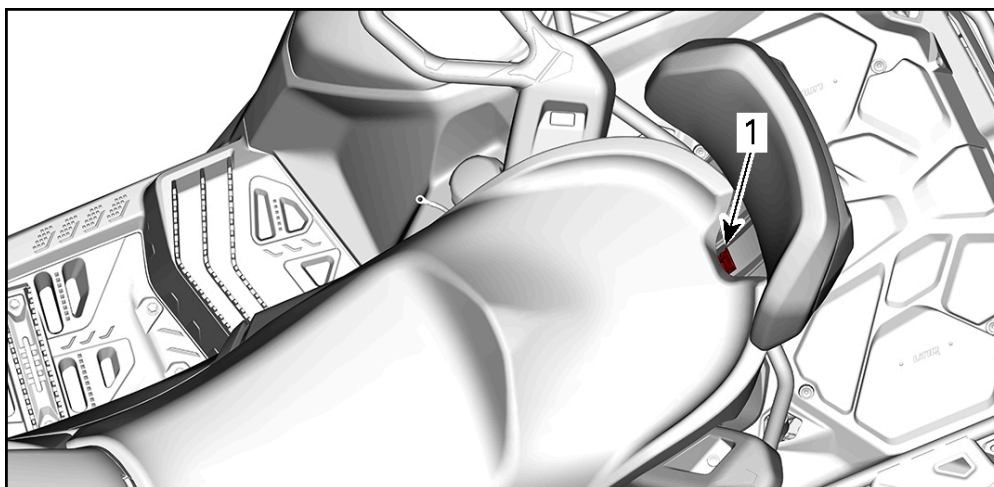
1. Pull the seat latch upward. This latch is located underneath the rear of seat.

1-UP Model



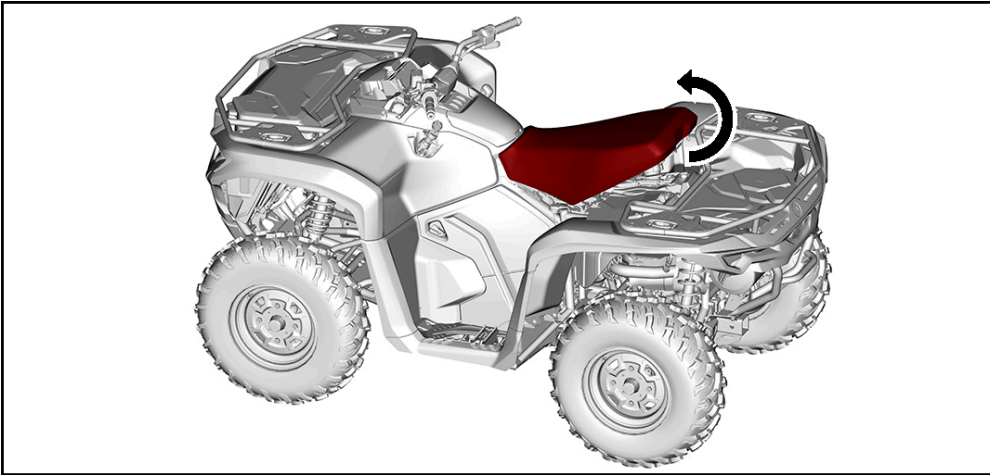
1. Seat latch

2-UP Model

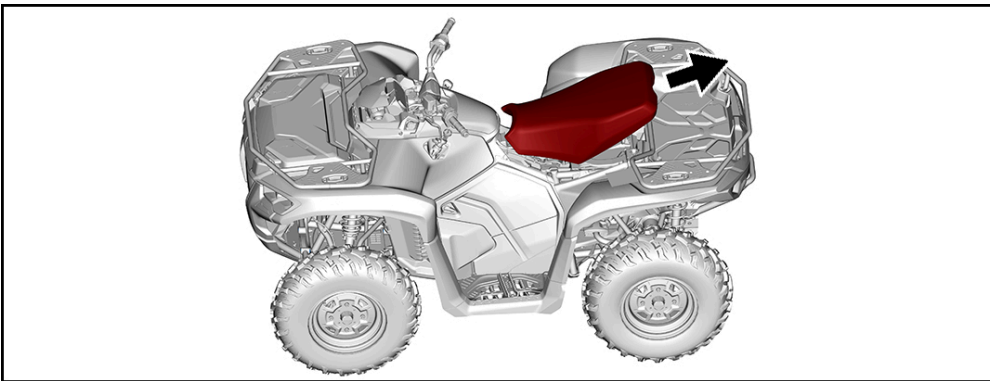


1. Seat latch

2. Pull seat upward then rearward.

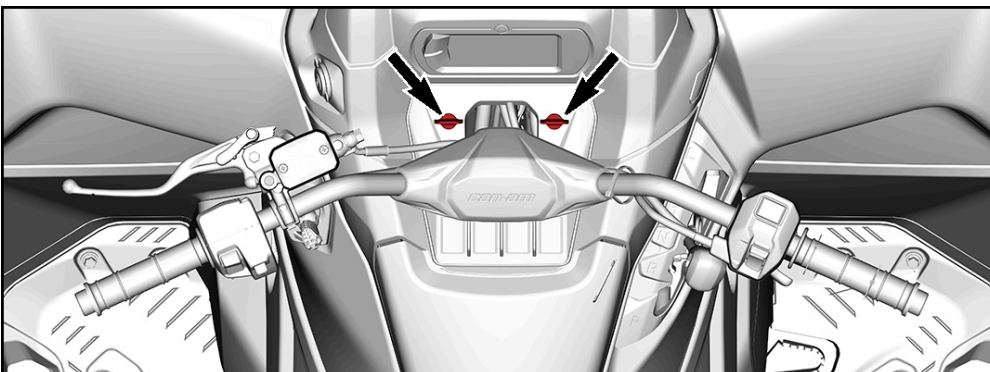


3. Continue lifting movement until you can release the front retaining device then completely remove seat.

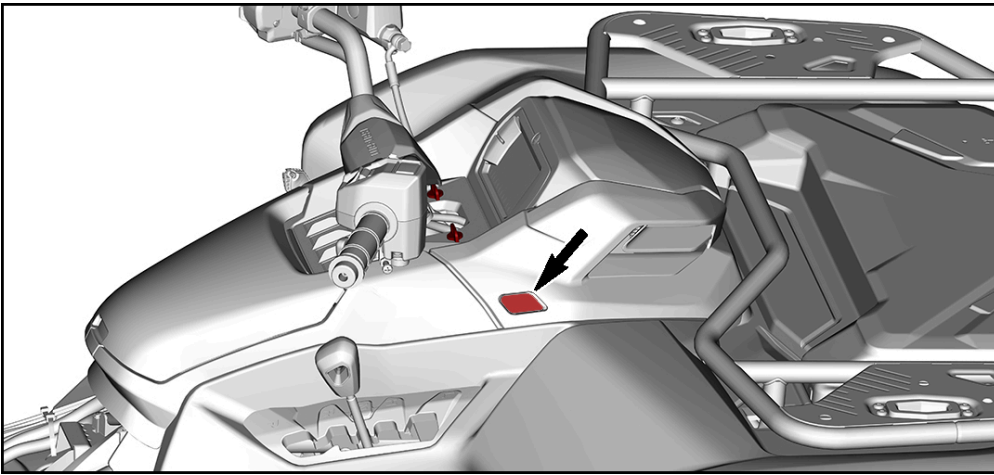


Removing the Console

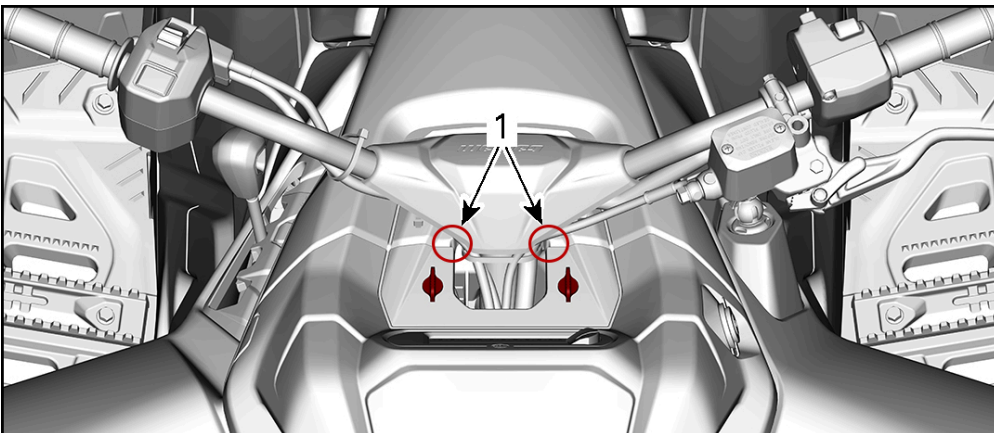
1. Disengage both quarter turn retainers.



2. Press button on right side of console.



3. Unclip both locking tabs on sides of steering.

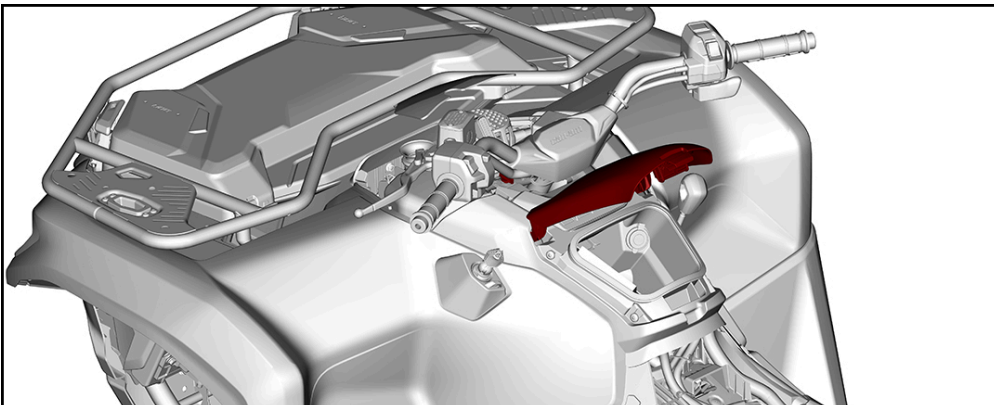


1. Locking tab location

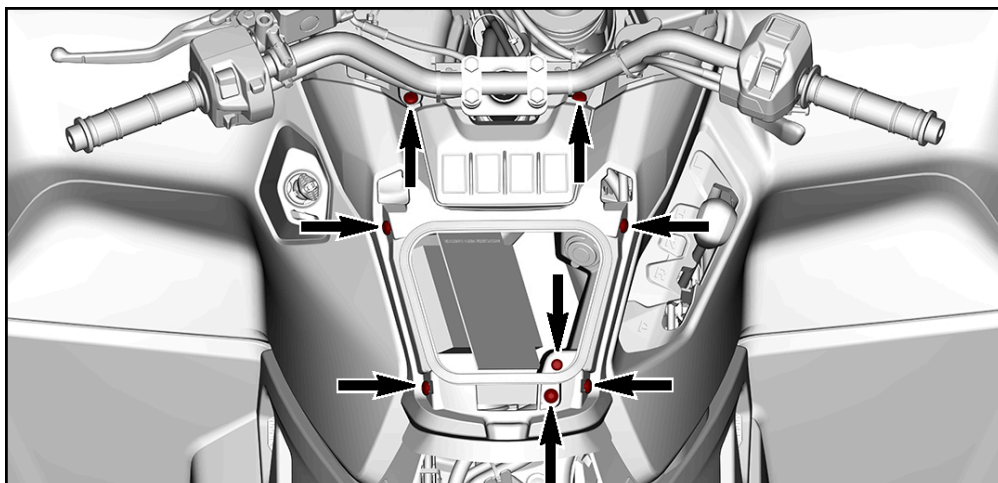
4. Remove by pulling console upward then rearward.

Preparing the Glove Box

1. Open the glove box cover.



2. Remove the following screws (8 total).

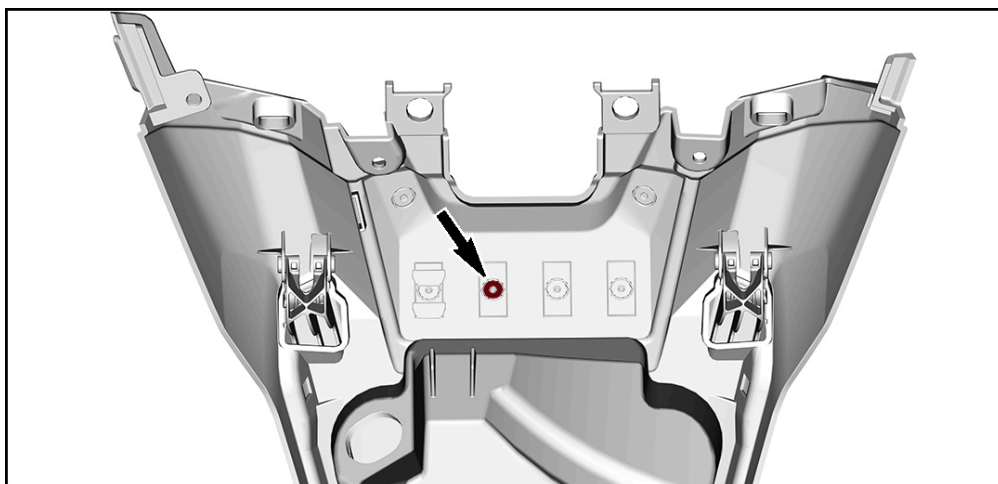


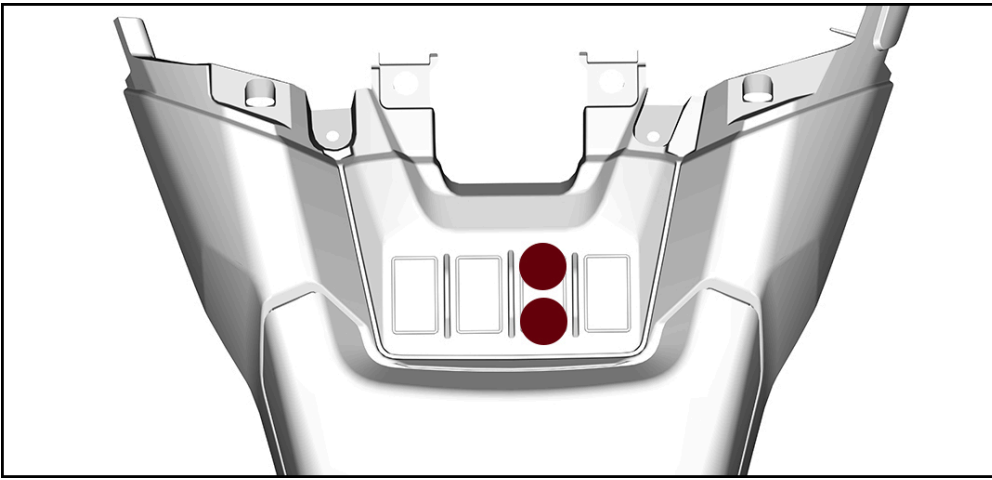
3. Remove the glove box.

4. Using the **T1** 20 mm (13/16 in) drill bit, drill the glove box.

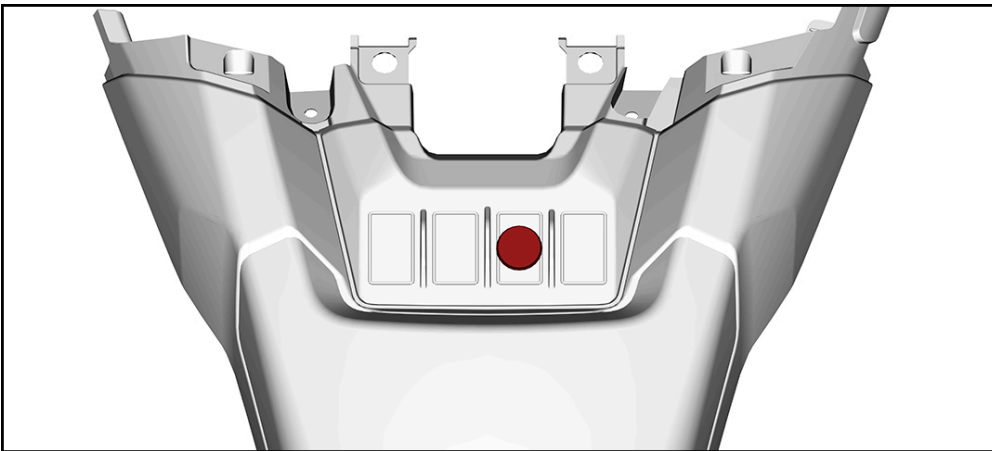
NOTE: Deburr sharp edge if needed.

NOTE: Center the hole if only one heated seat. if there are 2 heated seats, use the LH side portion of the *TEMPLATE* to mark holes for drilling.

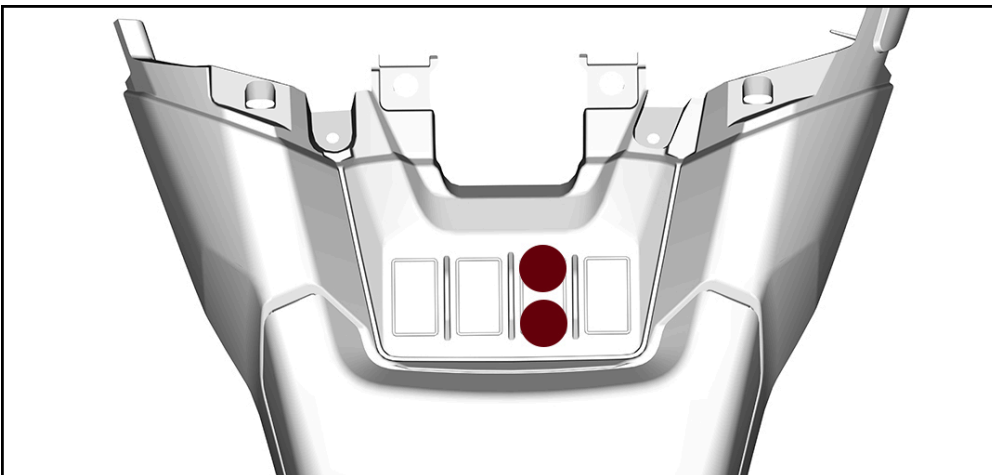




5. Install switch(es) [P5].



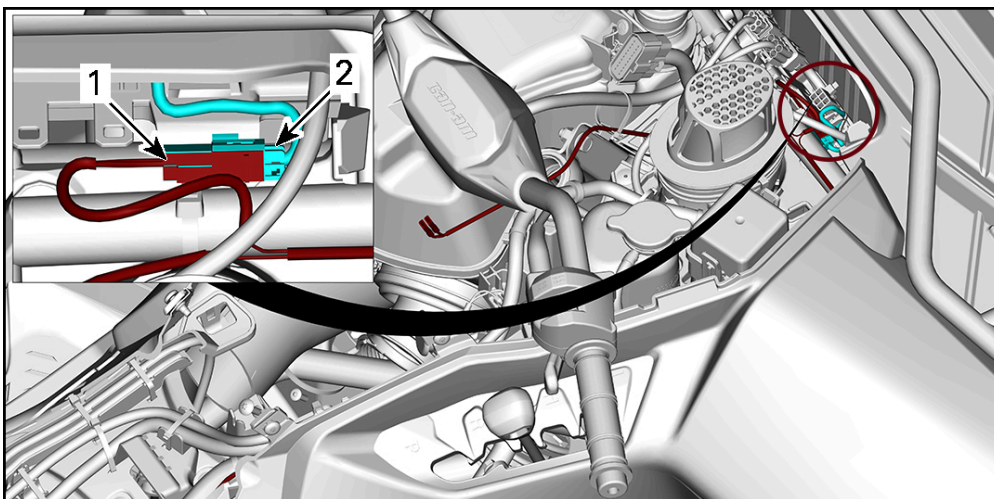
TYPICAL ONE SWITCH INSTALLATION



TYPICAL TWO SWITCH INSTALLATION

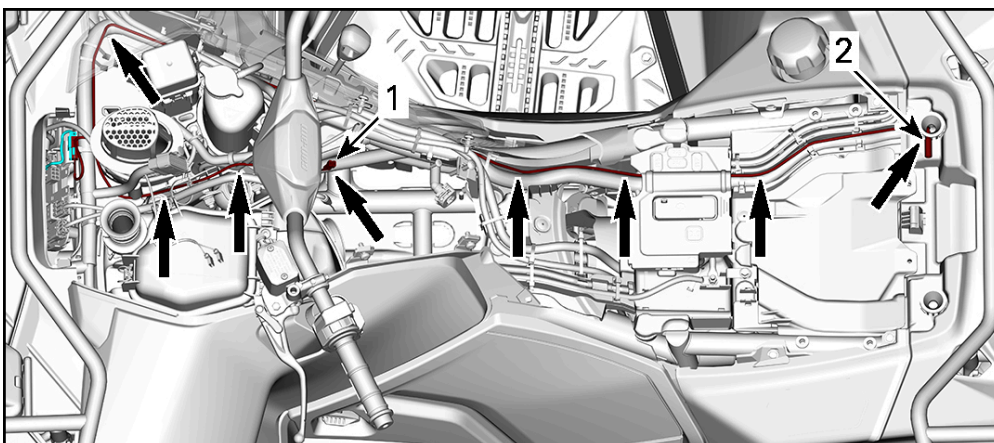
Harness Routing

1. Connect the wiring harness [P4] to the vehicle 12V accessory connector.



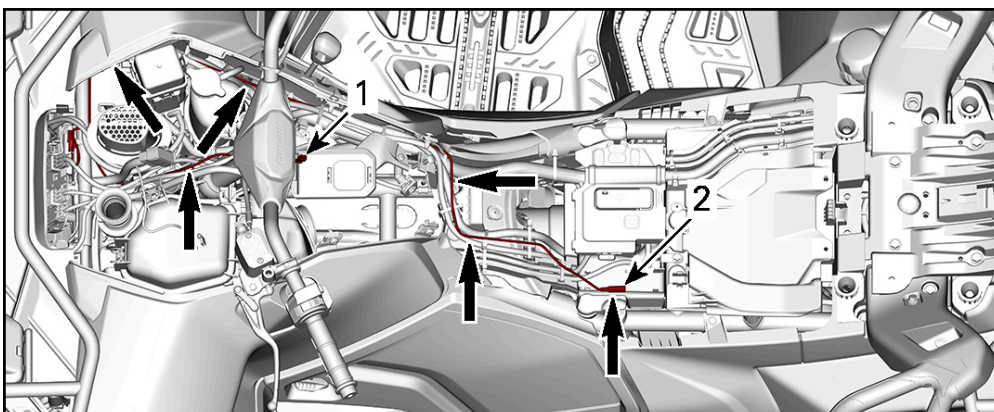
2. Route the harness from console all the way through underneath the seat location.

NOTE: 3 routings are possible depending on the unit you are working on.



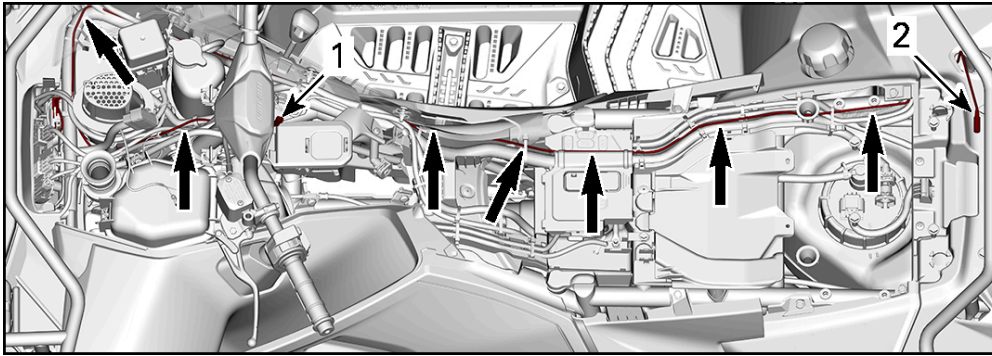
TYPICAL 1-UP ROUTING

1. Switch connector
2. Heat Pad Connector



TYPICAL 2-UP - DRIVER SEAT ROUTING

1. Switch connector
2. Heat Pad Connector



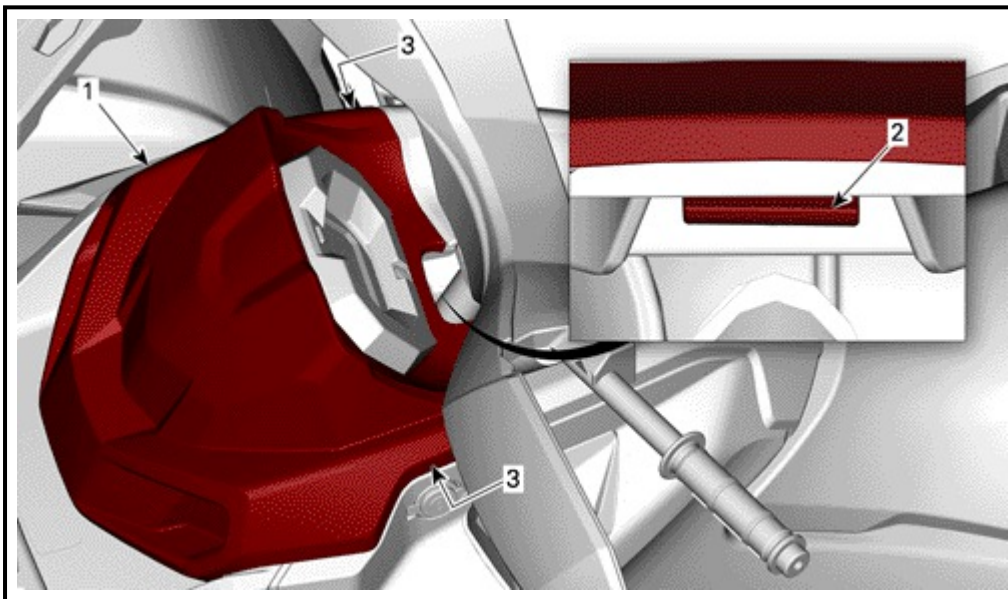
TYPICAL 2-UP - PASSENGER SEAT ROUTING

1. Switch connector
2. Heat Pad Connector

G2 Models

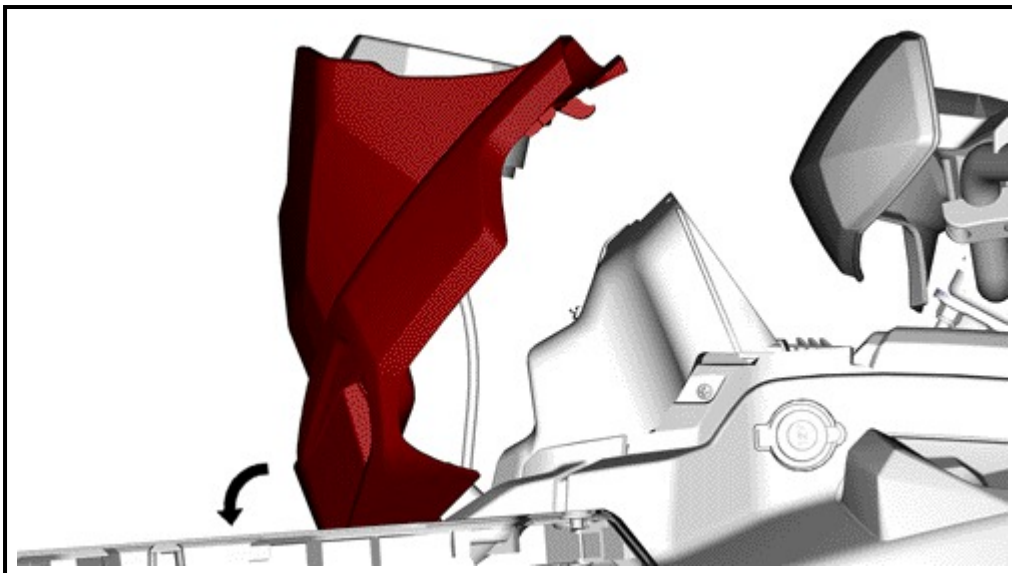
Remove the gauge support as follows.

1. Unclip the two lateral clips and the central clip near the gauge.



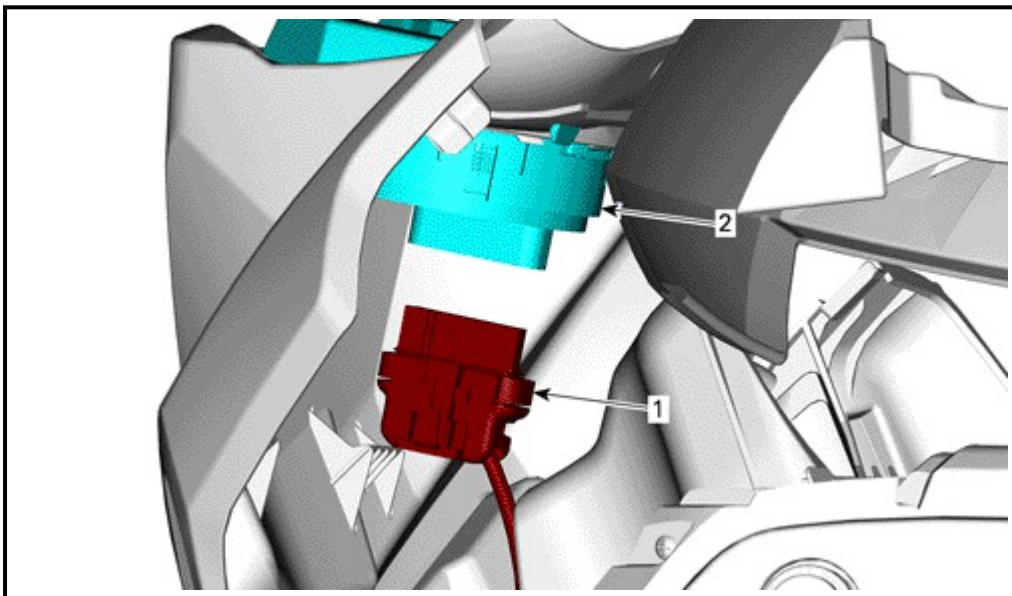
1. Gauge support
2. Central clip
3. Hidden lateral clip

2. Pivot and remove the gauge support.



NOTE: The gauge stays mounted on the gauge support except for some models.

3. Disconnect the indicated connector to release the gauge from the vehicle.



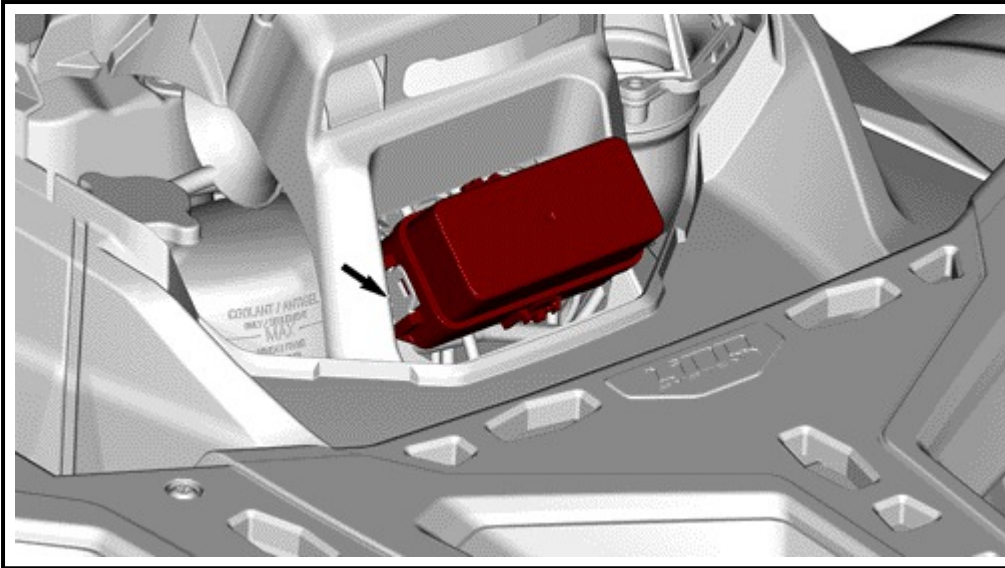
MODELS WITH GAUGE ATTACHED TO THE GAUGE SUPPORT

- 1. Connector to disconnect
- 2. Gauge

4. Remove console.

Outlander With Plastic Rack Only

5. Set aside fuse box by pulling in the tabs on each side.

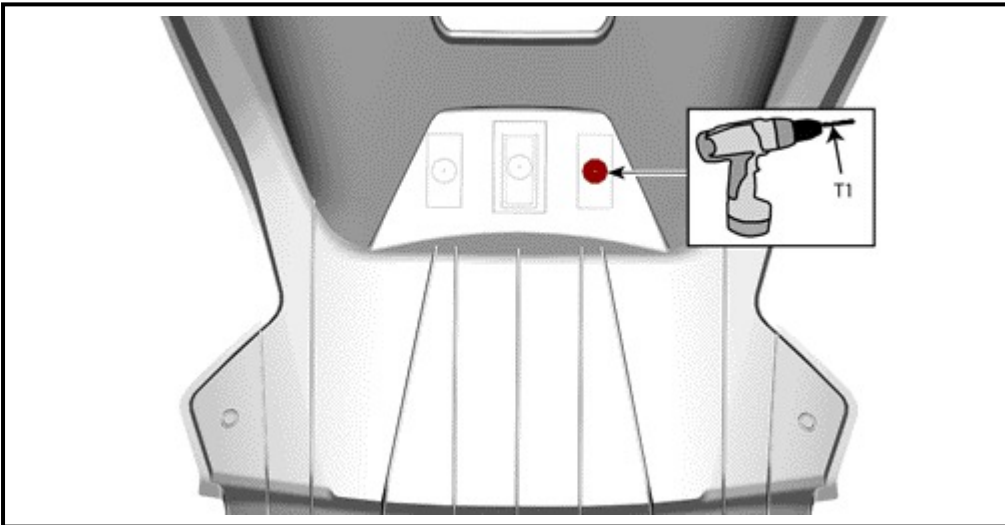


Parts Installation

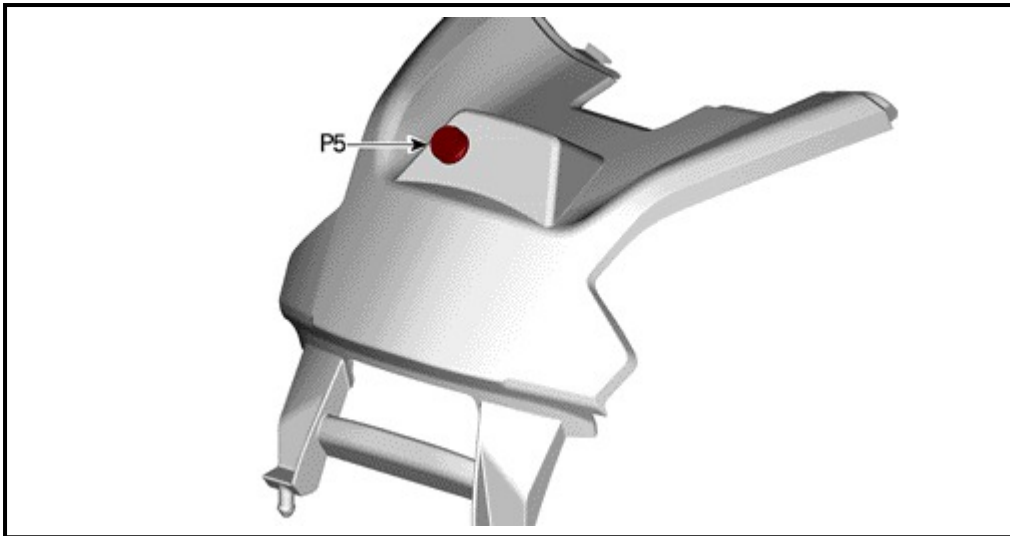
All G2 Models

Using drill bit [T1], drill 20 mm (13/16 in) hole in console for the switch.

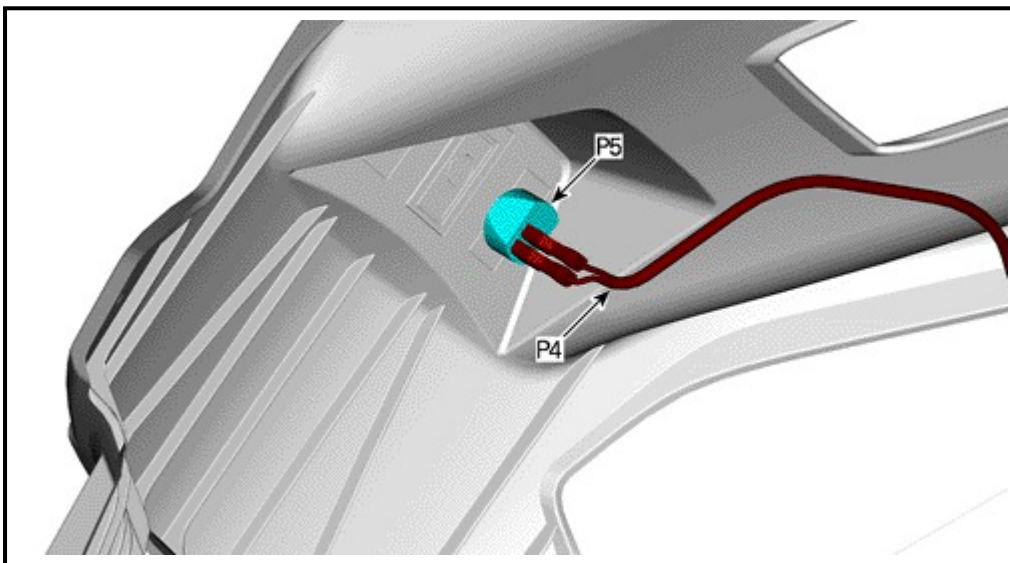
NOTE: Deburr sharp edge if needed.



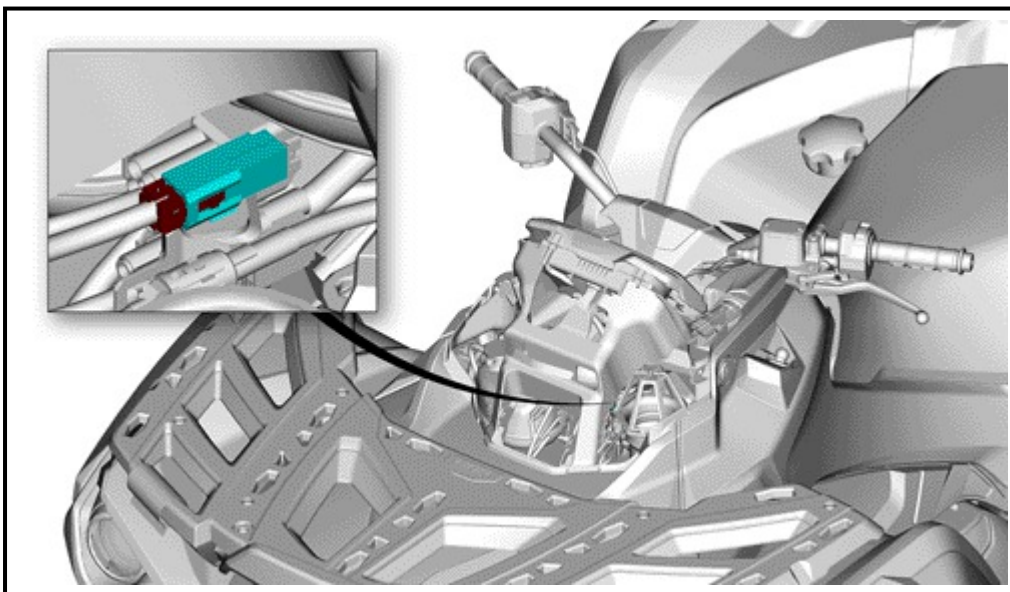
Install switch [P5].



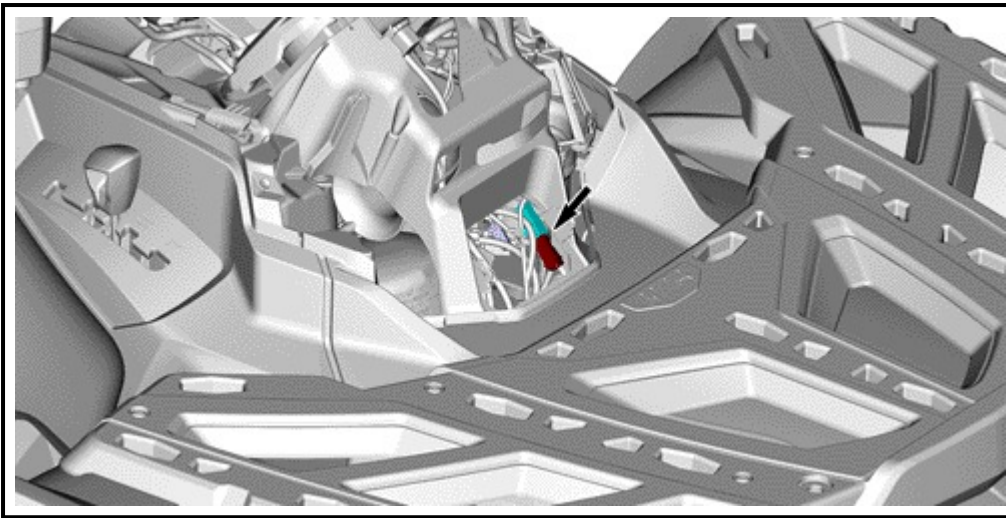
Connect harness [P1] to switch [P5]. Position is not important.



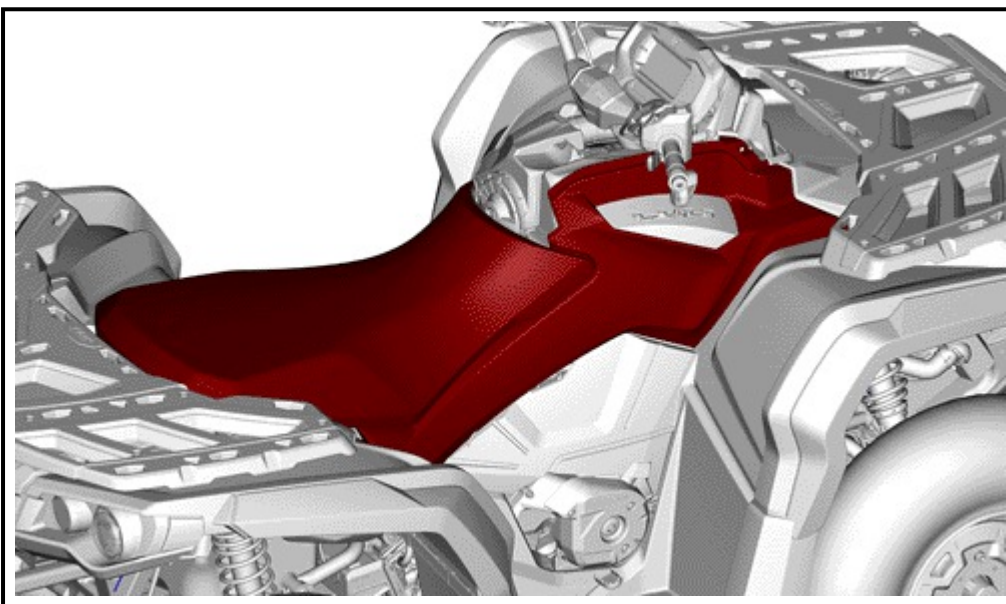
Locate DC3 connector and remove from protective cap.



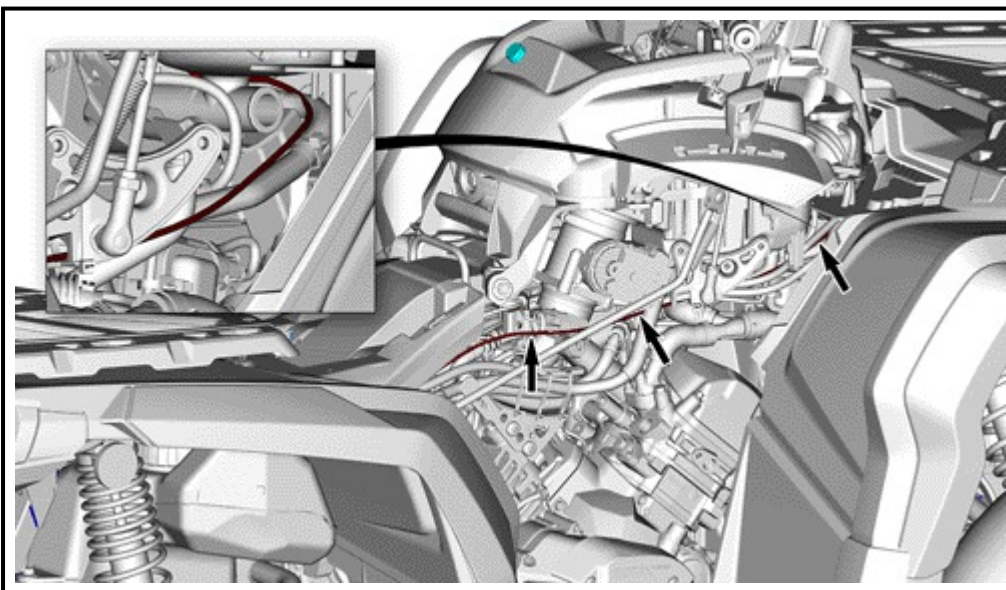
Connect harness [P4] to DC3 connector.

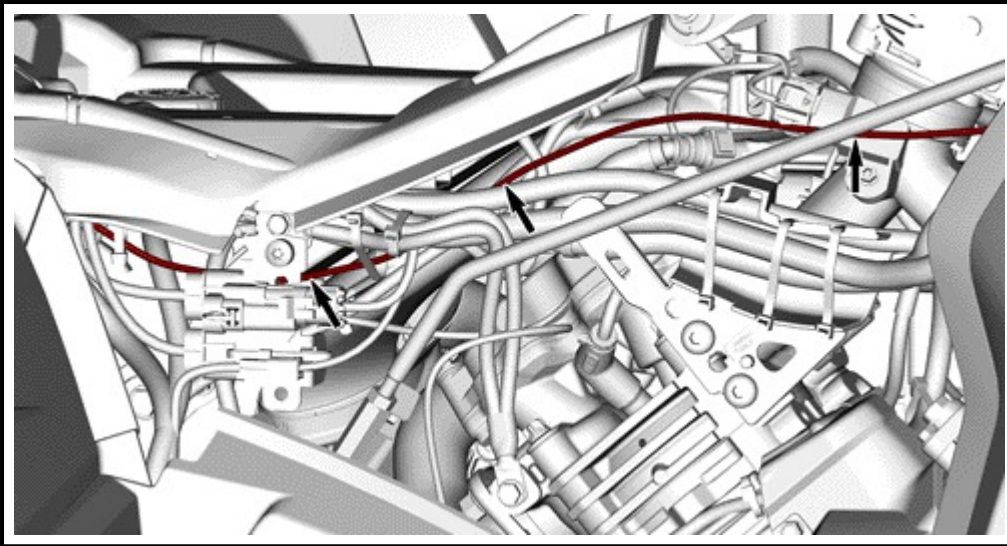


Remove seat and RH side panel.

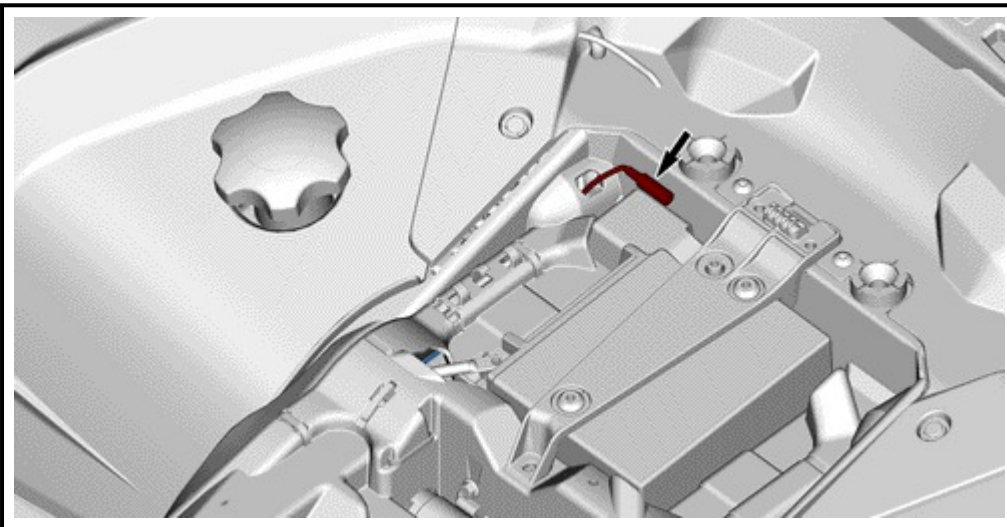


Install console. Route harness as shown and secure using locking ties [P6].

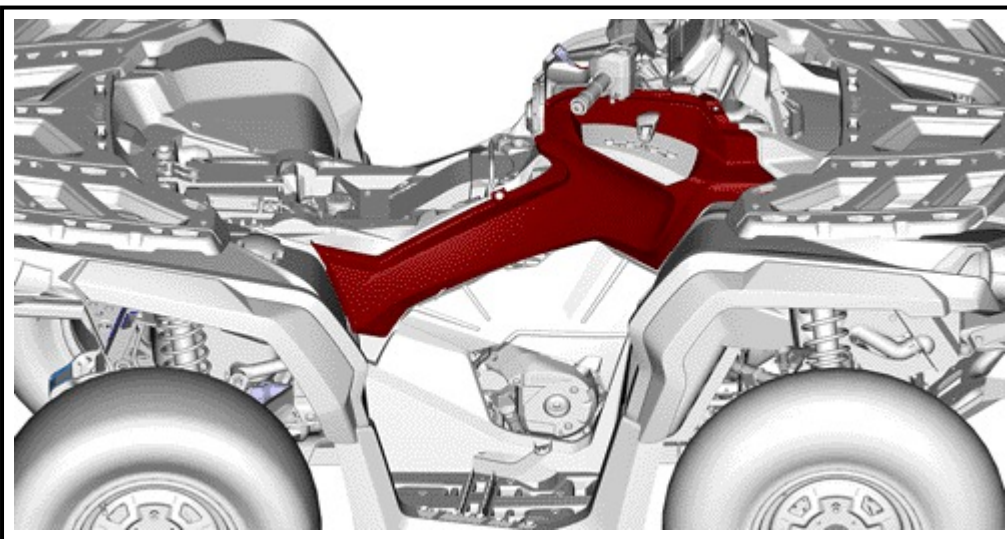




It is important to place the round connector as shown.



Install RH side panel.

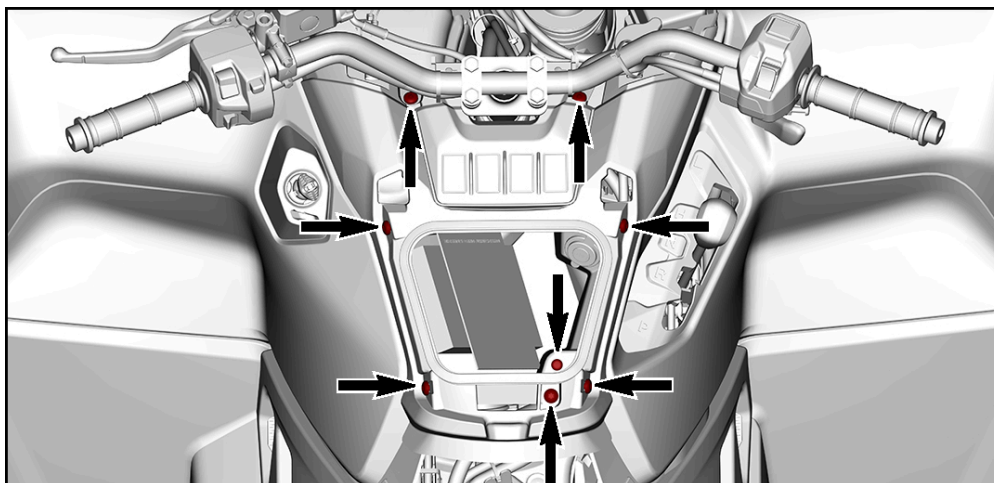


Installing the Glove Box

1. Install the glove box and secure using the previously removed screws (8 total). Tighten to specification.

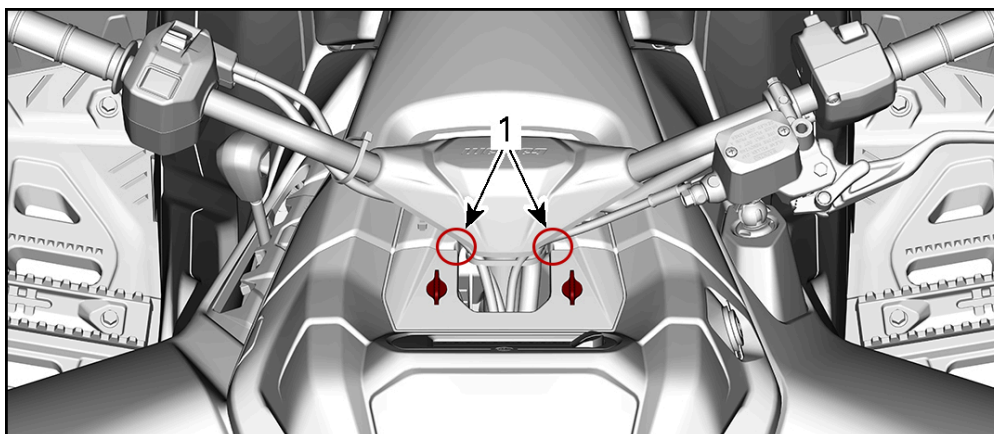
TIGHTENING TORQUE

K50 X 16 Plastite Screw	$1.25 \pm 0.25 \text{ N}\cdot\text{m}$ ($11 \pm 2 \text{ lbf}\cdot\text{in}$)
M6 X 20 Hex. Screw	$1.25 \pm 0.25 \text{ N}\cdot\text{m}$ ($11 \pm 2 \text{ lbf}\cdot\text{in}$)
M6 X 50 Hex. Screw	$2.5 \pm 0.5 \text{ N}\cdot\text{m}$ ($22 \pm 4 \text{ lbf}\cdot\text{in}$)



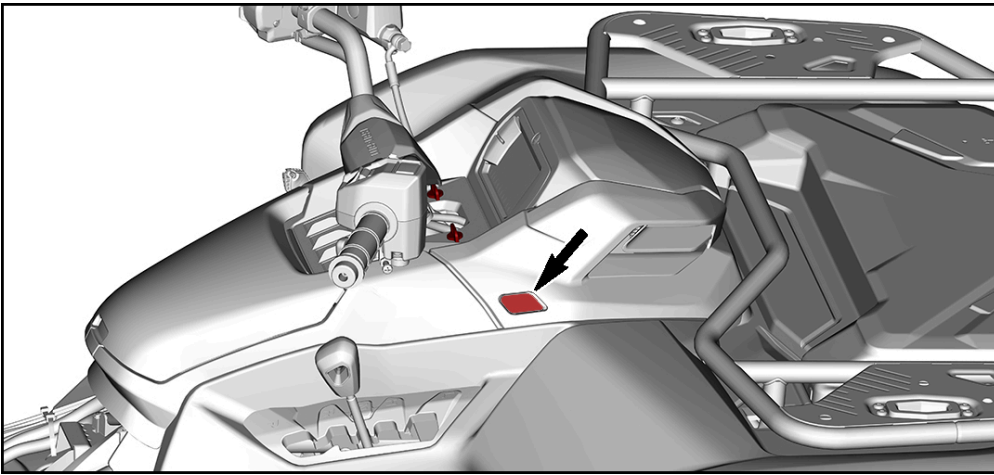
Installing the Console

1. *Insert front tabs of console first.*
2. *Push console down to clip both locking tabs on sides of steering.*

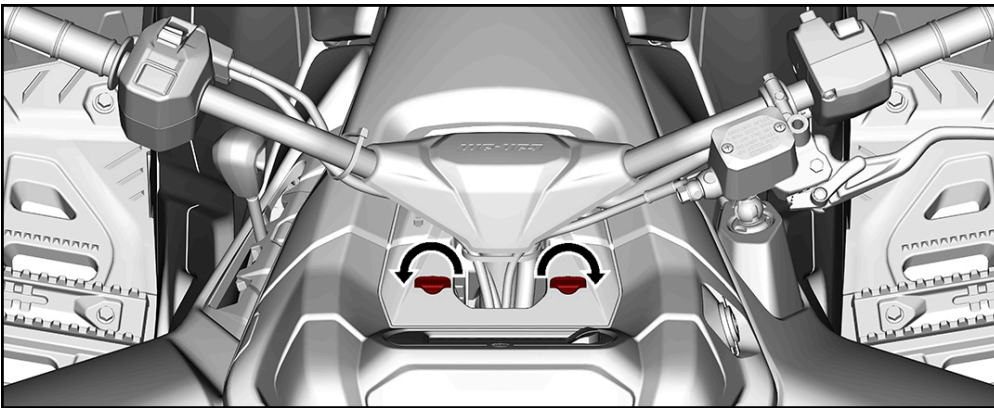


1. *Locking tab location*

3. *Ensure button on right side is engaged in console.*

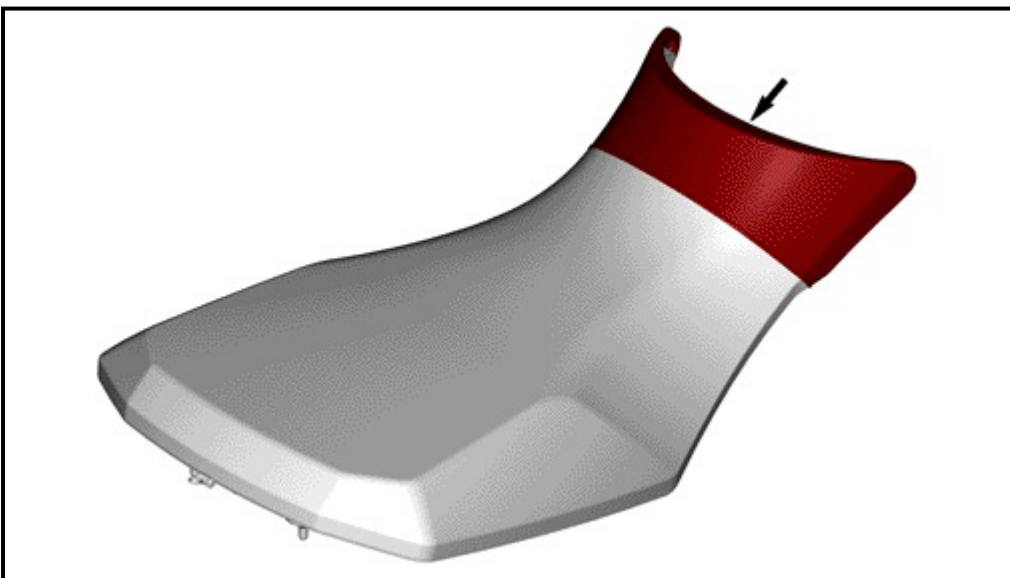


4. Secure console by turning the two quarter turn retainers into lock position.



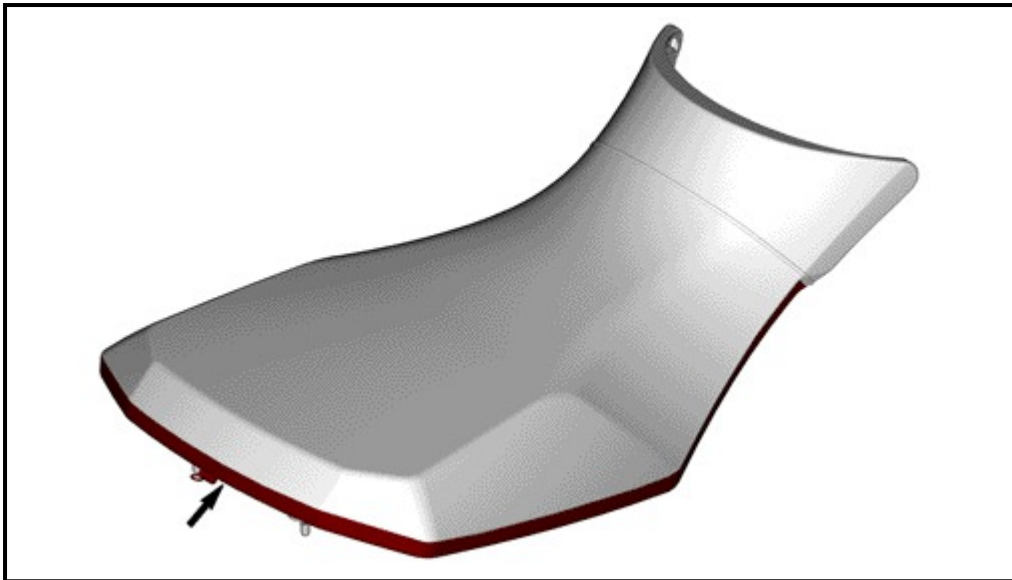
ALL Models

Install driver seat cover by starting from the front of the seat.



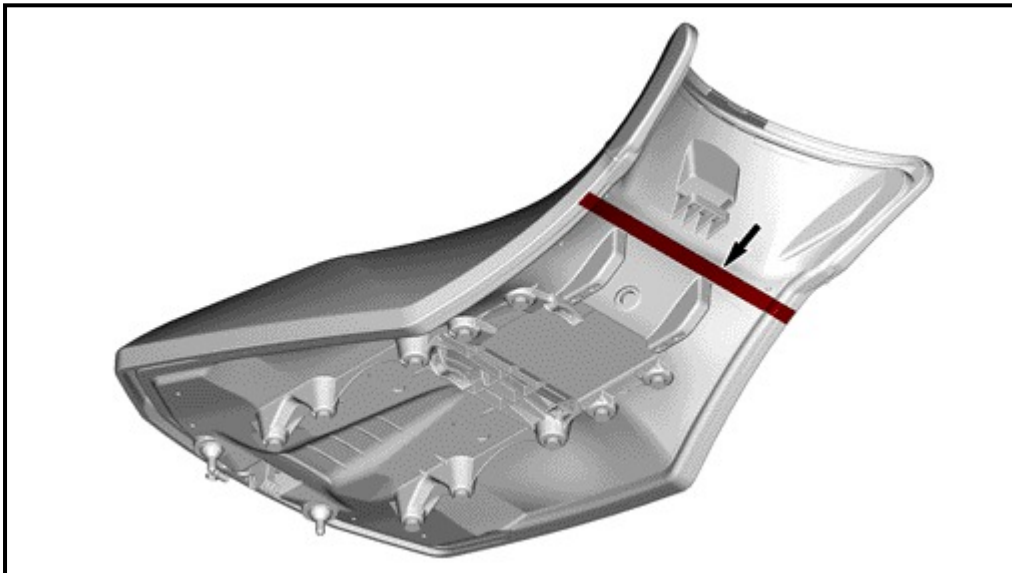
TYPICAL

Make sure the seat is completely covered and the elastic is correctly installed.

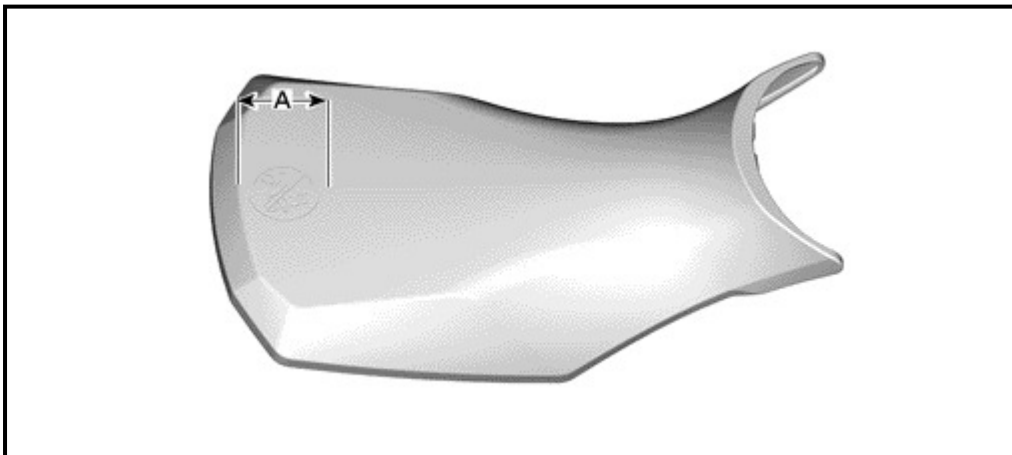


TYPICAL

Tighten strap.



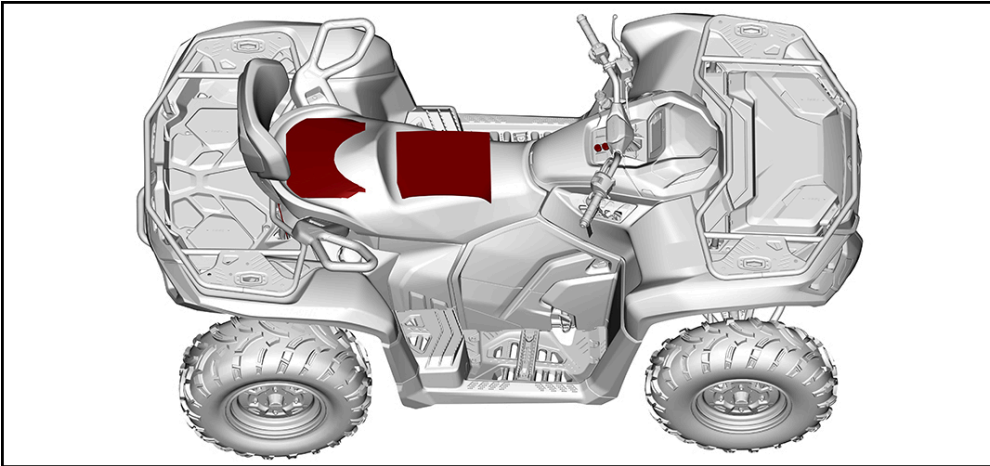
For 1-UP models, mark seat at around 140 mm (5-1/2 in).



A. 140 mm (5-1/2 in)

Installing Heat and Foam Pad(s)

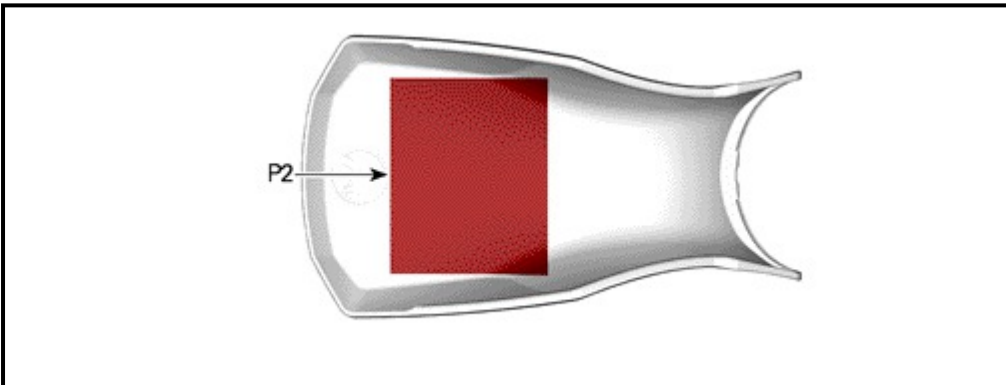
NOTE: The below instructions are showing typical installation for 1-UP seat.



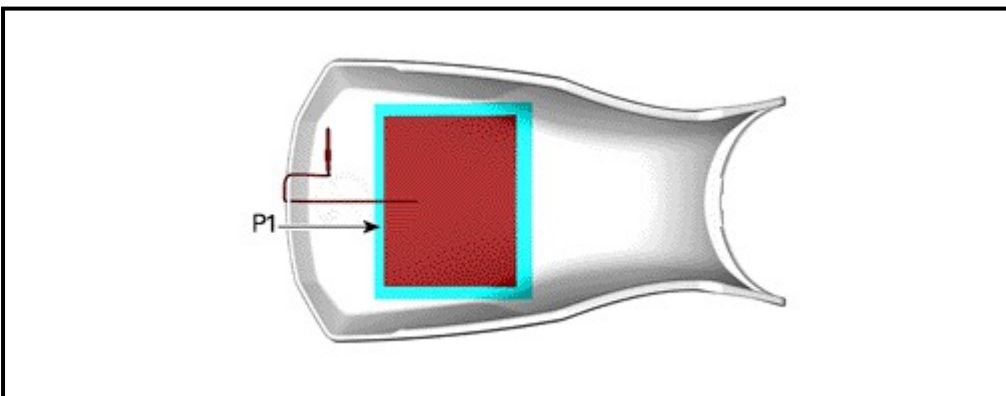
TYPICAL 2-UP – HEAT AND FOAM PADS LOCATIONS

NOTE: Depending on driver's height, the position of the heat pad might need to be adjusted. Make sure the heat pad is positioned under the driver.

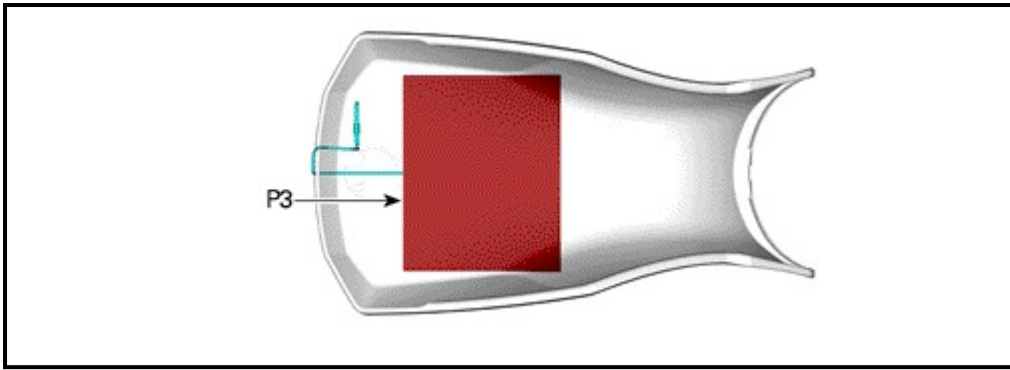
Remove the seat cover and install foam pad [P2] underneath. The heat pad will be sandwiched between the seat cover and the seat.



Stick the heat pad [P1] on the foam pad taking care to properly route the wire. Ensure the foam and heat pad are properly installed.



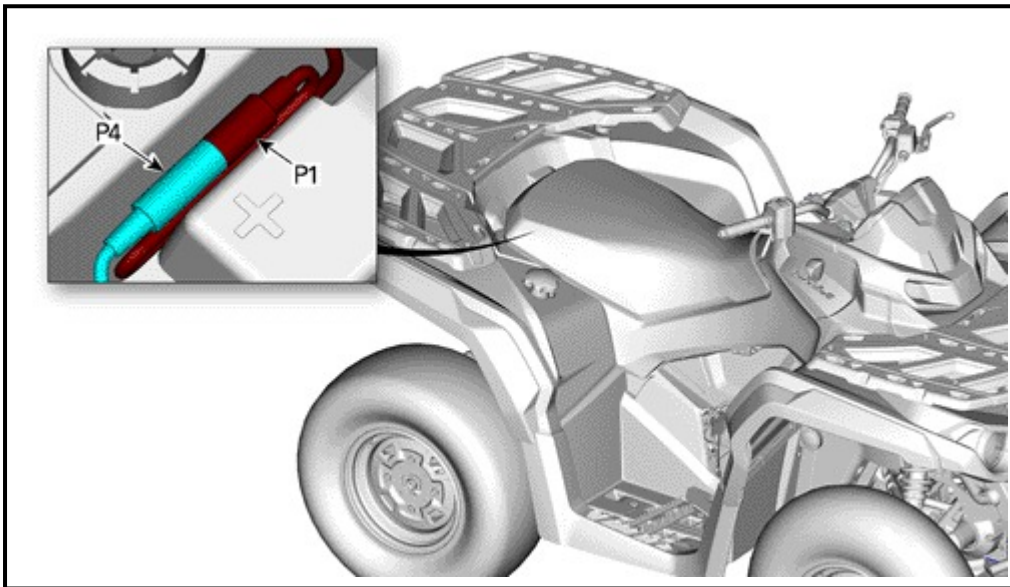
Stick the foam pad [P3] on the heat pad [P1] as shown. Ensure to cover all of the heat pad.



Install the seat cover on the seat as previously described.

Connect heat pad element wire before installing the seat on the vehicle.

NOTE: Be careful not to trap the harness wire.



Connect battery.

NOTICE Proceed exactly in this specific order:

- Connect RED cable (+) first.
- Connect BLACK cable (-) after.