



SKI-DOO KIT - LinQ Passenger Seat Heated Grips

Product: **Ski-Doo**
Project no: **487803777**
Instruction Sheet P/N: **487803777**
Revision no:
Revision date:
Item covered: **LinQ Passenger Seat Heated Grips**

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

- For safety reasons, this kit must be installed by an authorized BRP dealer.
- 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.
- 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.
- 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.
- Always wear EYE PROTECTION AND APPROPRIATE GLOVES when using power tools.

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 $\pm 35 \text{ lbf}\cdot\text{ft}$)

NOTE: 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.

For REV Gen5 vehicles with a 16" track, installation time is approximately **0.25** hours.

For REV Gen4 vehicles with a 16" track, installation time is approximately **1.25** hours.

For REV Gen4 vehicles with a 20" or 24" track, installation time is approximately **1.25** hours.

ICON LEGEND

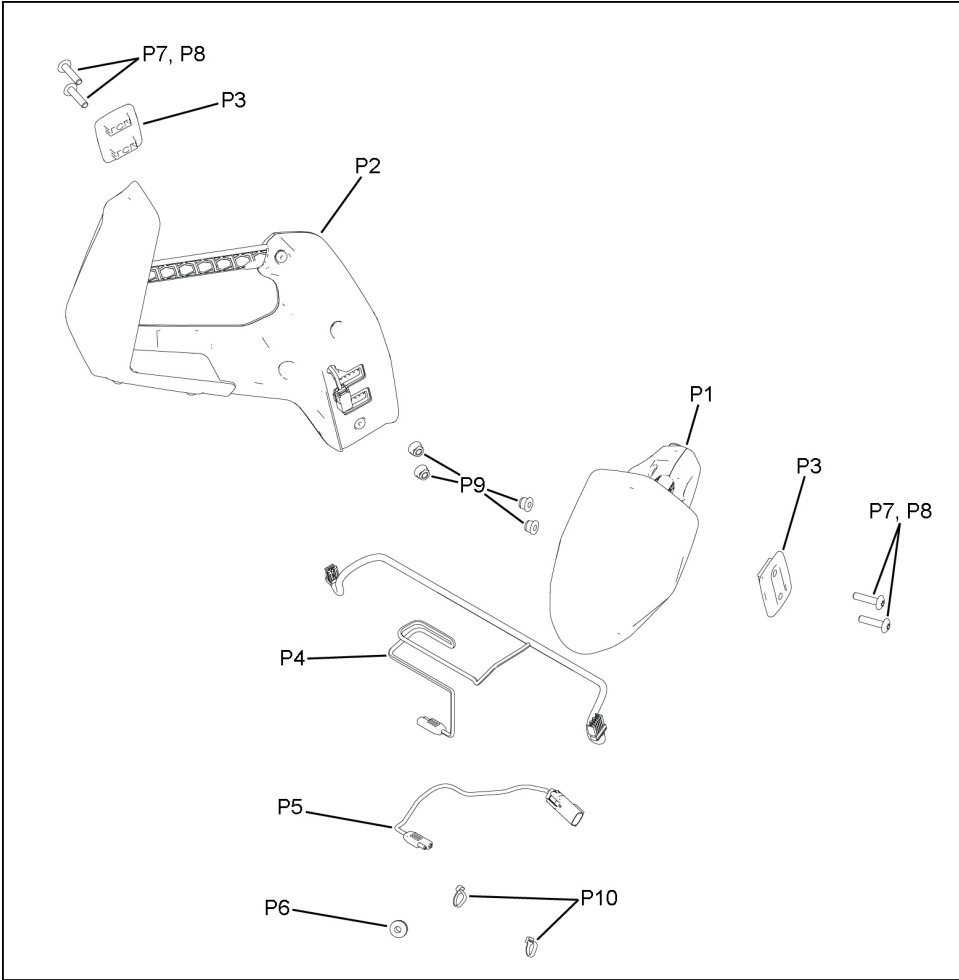
ICON	INDICATES
	Parts to be discarded
	Parts kept for reinstallation

REQUIRED TOOLS

REQUIRED TOOL	USE
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T1	Drill bit 6.5 mm (1/4")		Predrilling a hole through the battery cover.
T2	Drill bit 16 mm (5/8")		Drilling a hole through the battery cover.

PARTS TO BE INSTALLED



ITEM	DESCRIPTION	PART NUMBER	QTY
P1	Left Side Heated Passenger Grip	510006404	1
P2	Right Side Heated Passenger Grip	510006485	1
P3	Passenger Grip Mounting Plate	510006602	2
P4	Seat Wiring Harness	515178588	1
P5	Vehicle Wiring Harness	515179236	1
P6	Cable Grommet	414036300	1
P7	M8 x 35 Torx Screw	250000753	4
P8	M8 x 35 Torx Nylon Lock Screw	250001254	4
P9	M8 Flanged Hexagonal Nylon Lock Nut	233281416	4

P10	Locking Tie 188 x 4.6	414115200	2
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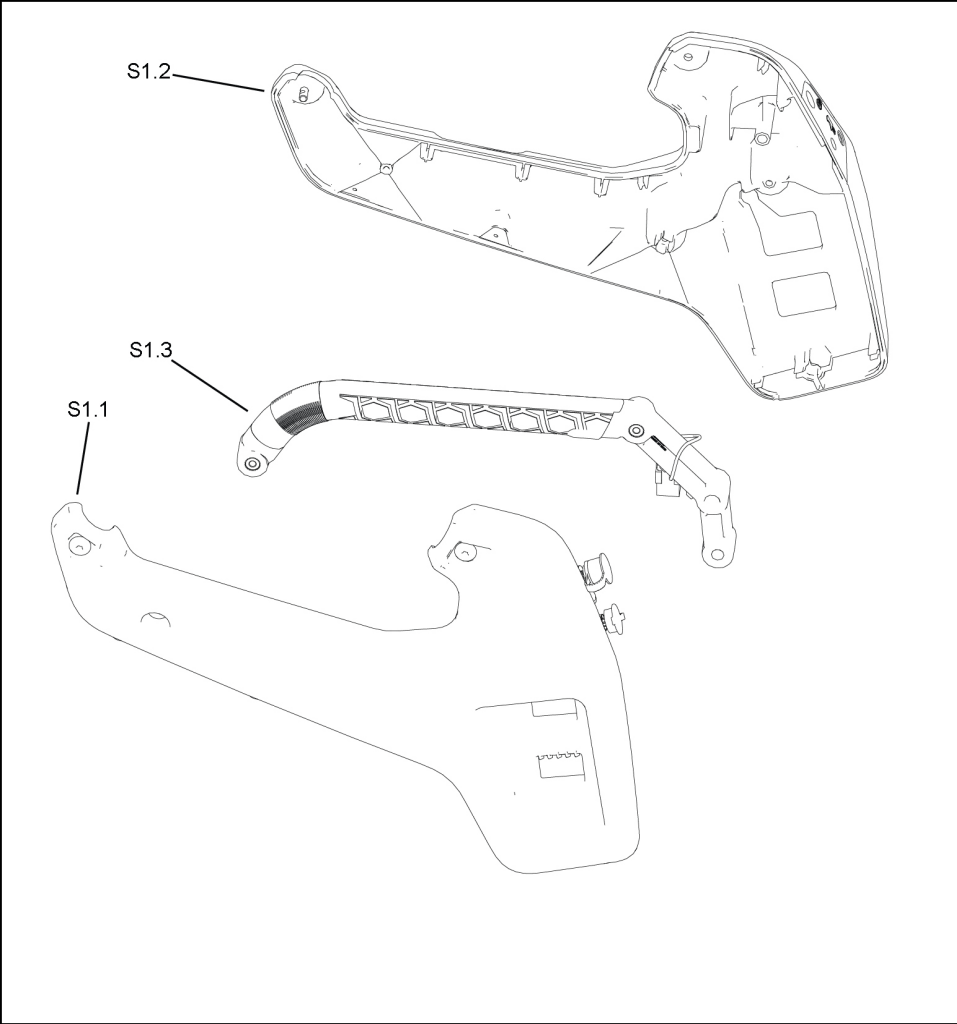
NOTE: If installed on a REV Gen4 vehicle with a 16" track, order the following parts (not included).

ITEM	DESCRIPTION	PART NUMBER	QTY
R1	Accessory Lead	515178199	1
R2	Black Pop Rivet 3/16"	390402200	1
R3	M6 Flanged Nylon Lock Nut	233261416	2
R4	M8 x 12 Torx Nylon Patch Screw	250000887	4
R5	M6 x 35 Flanged Hexagonal Scotch Grip Screw	207563544	2
R6	Locking Tie 188 x 4.6	414115200	2

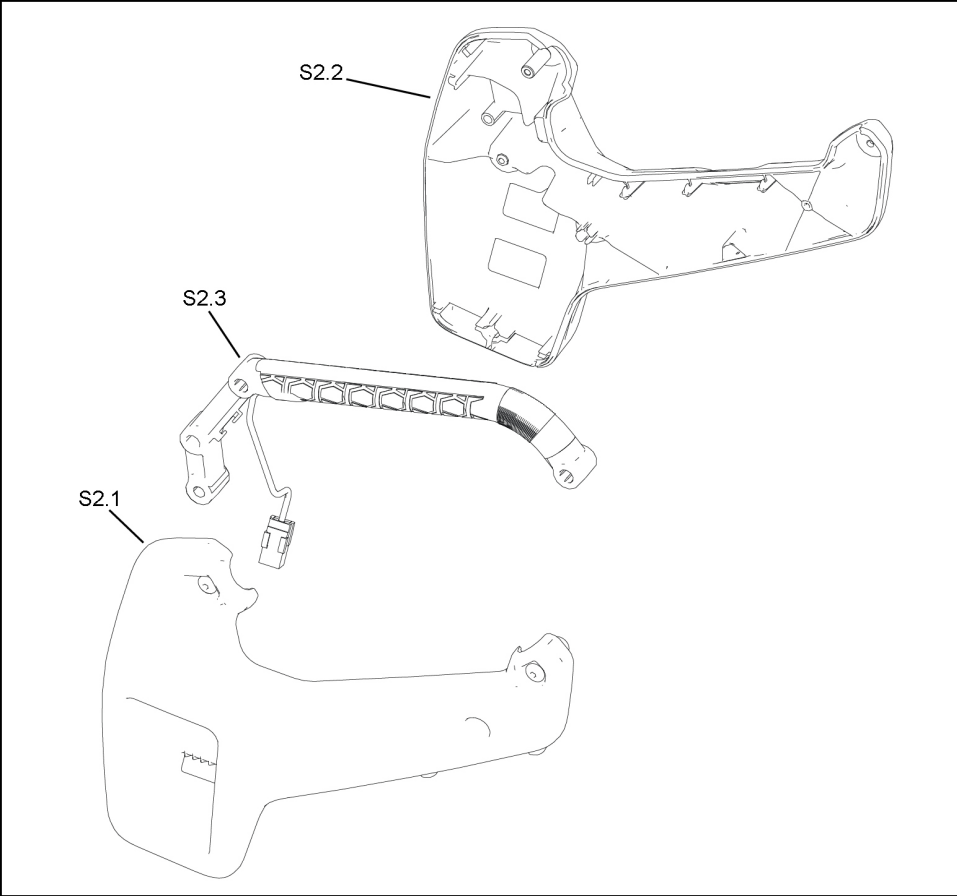
NOTE: If installed on a REV Gen4 vehicle with a 20" or 24" track, order the following parts (not included).

ITEM	DESCRIPTION	PART NUMBER	QTY
R1	Accessory Lead	515178199	1
R6	Locking Tie 188 x 4.6	414115200	3
R7	M8 x 12 Torx Nylon Patch Screw	250000887	4
R8	M6 Flanged Nylon Lock Nut	233261416	2
R10	M6 x 16 Flanged Scotch Grip Screw	207561644	4
R11	M6 x 30 Torx Screw	250000843	1
R12	M5 x 20 Torx Screw	250000724	2

SERVICE PARTS



ITEM	DESCRIPTION	PART NUMBER	QTY
S1	Left Passenger Heating Handle Assembly	510006404	1
S1.1	Left Passenger Heating Handle Exterior Shell	510006492	1
S1.2	Left Passenger Heating Handle Interior Shell	510006493	1
S1.3	Left Passenger Heating Handhold	510006488	1

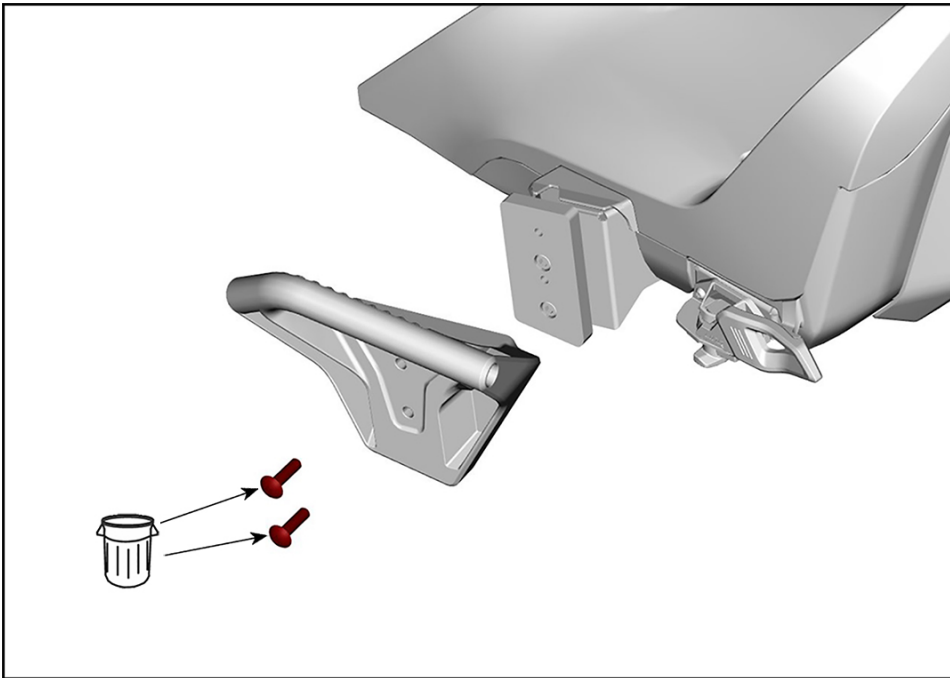


ITEM	DESCRIPTION	PART NUMBER	QTY
S2	Right Passenger Heating Handle Assembly	510006485	1
S2.1	Right Passenger Heating Handle Exterior Shell	510006486	1
S2.2	Right Passenger Heating Handle Interior Shell	510006487	1
S2.3	Right Passenger Heating Handhold	510006488	1

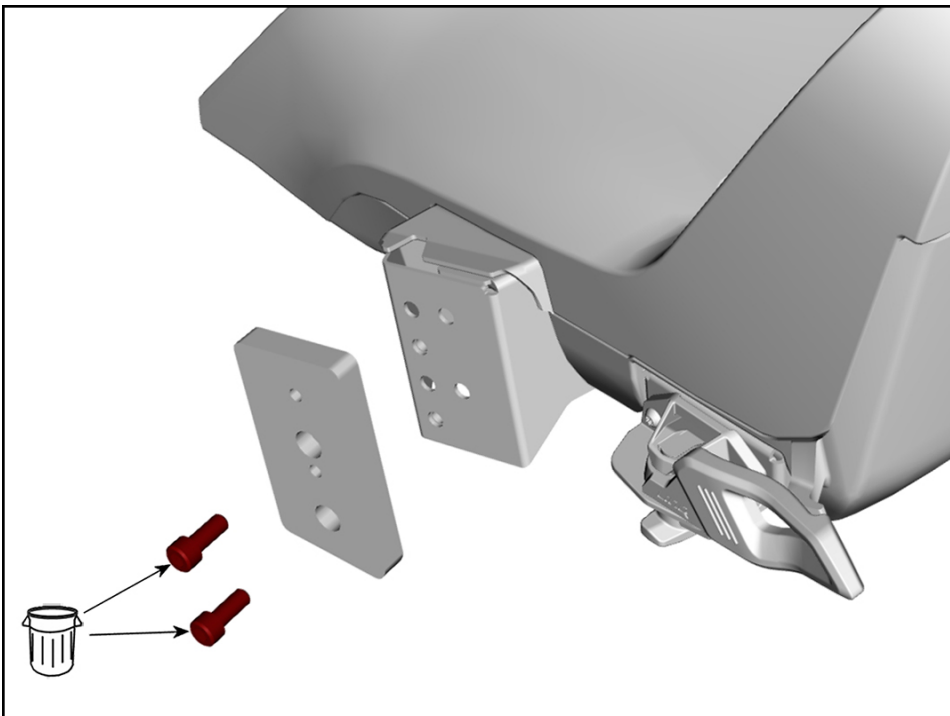
VEHICLE PREPARATION

For All Vehicles

- 1. Remove passenger seat (refer to the procedure in *OPERATOR'S GUIDE*, in *BODY AND SEAT* section).
- 2. Remove the handles, discard the two M8 x 35 Torx screws on both sides.

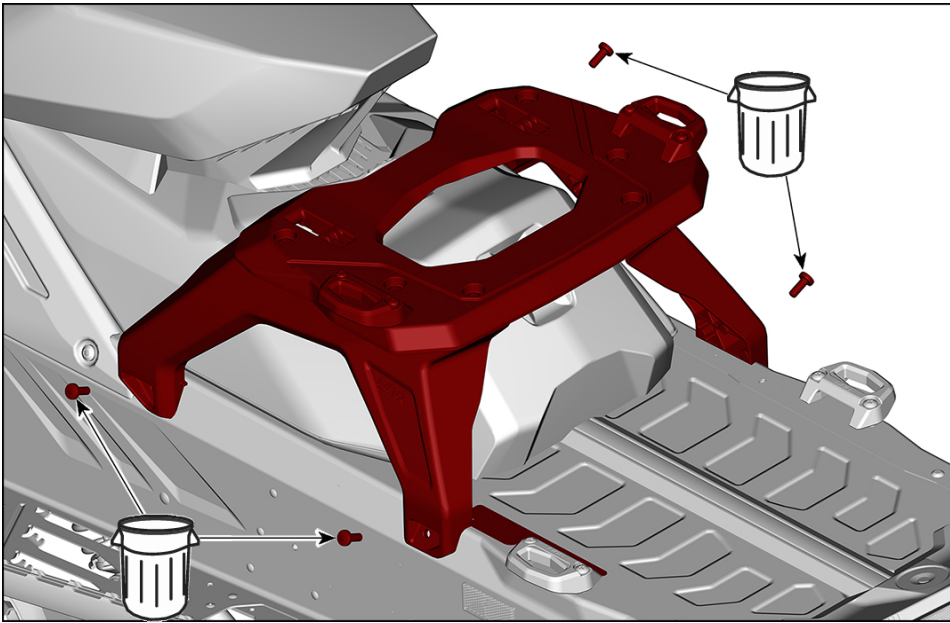


3. For the base model handles (shown here) remove the mounting plate, discard screws.

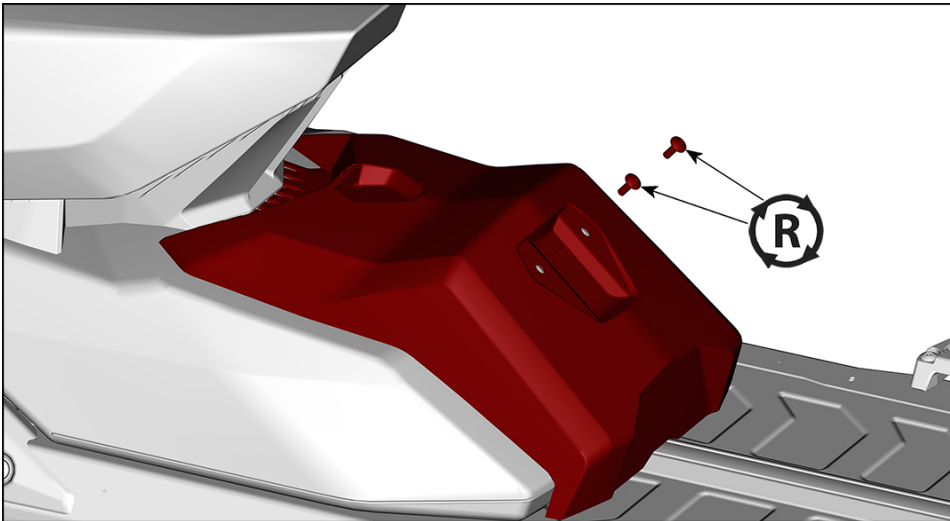


For REV Gen4 and REV Gen5 vehicles with a 16" track, equipped with a 1+1 rack

1. Remove 1 + 1 rack.



2. Remove the battery cover.



For Summit and Freeride models 2023 and newer

NOTE: Remove the spare CVT belt located in the battery cover and store it in another compartment safe from the elements.

For REV Gen4 vehicles (All track sizes)

NOTE: Make sure you ordered the parts necessary for installation on your vehicle.

(Refer to the bill of materials in the section *PARTS TO BE INSTALLED* of this document.)

1. Remove operator seat (refer to the procedure in *SERVICE MANUAL* in *BODY* section).
2. Remove left and right side panels (refer to the procedure in *SERVICE MANUAL* in *BODY* section).
3. Remove top fairing module and console (refer to the procedure in *SERVICE MANUAL* in *BODY* section).

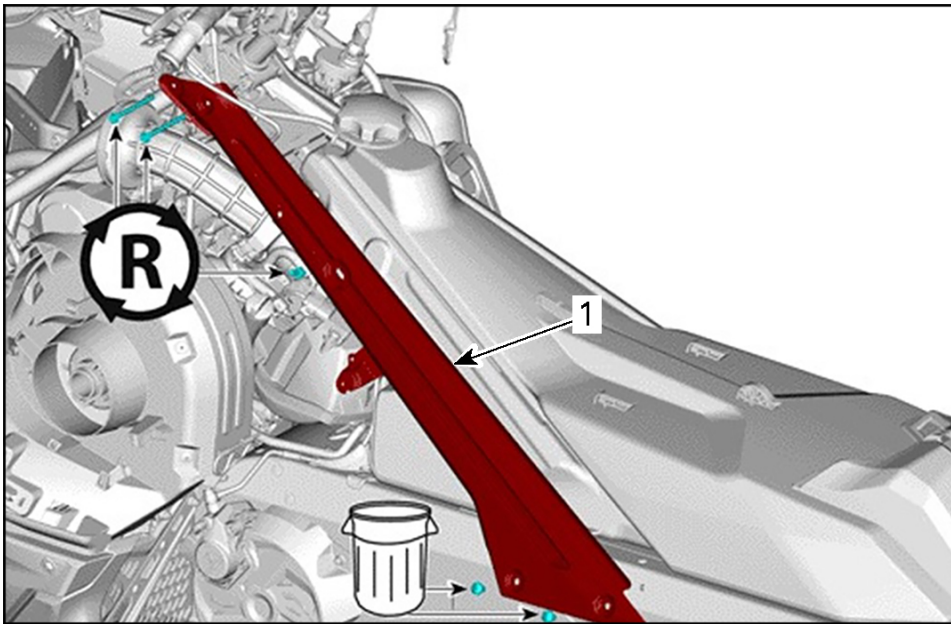
For REV Gen4 vehicles with a 16" track

1. Remove the battery and battery tie down bracket (if equipped), (refer to the procedure in *OPERATOR'S GUIDE* in *MAINTENANCE PROCEDURES* section).

NOTICE - Always disconnect battery before doing any electrical installation.

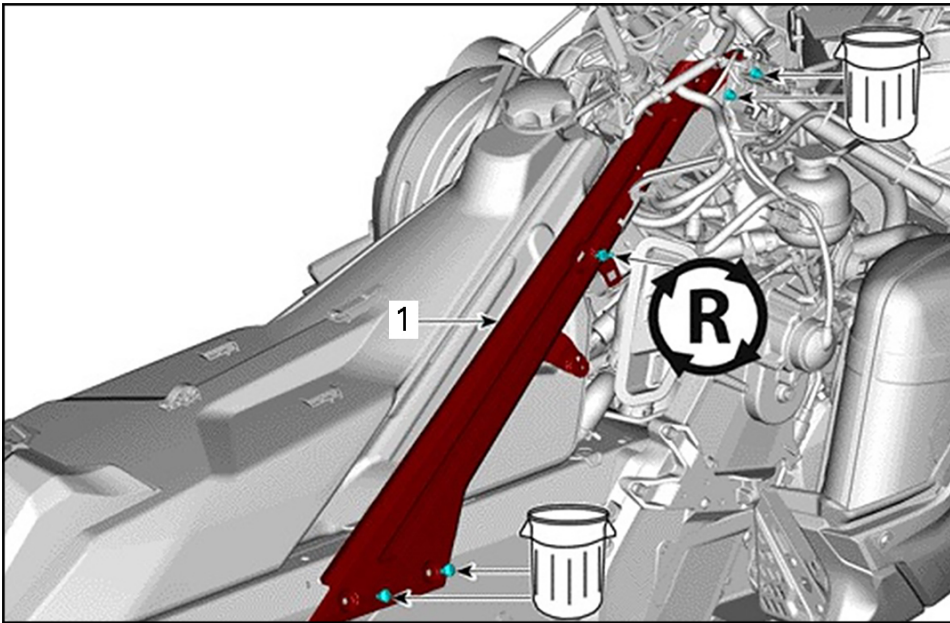
- Always disconnect battery in this specified order, BLACK (–) cable first.
- Do not place tools on battery.

2. Remove the left side rear crossmember.



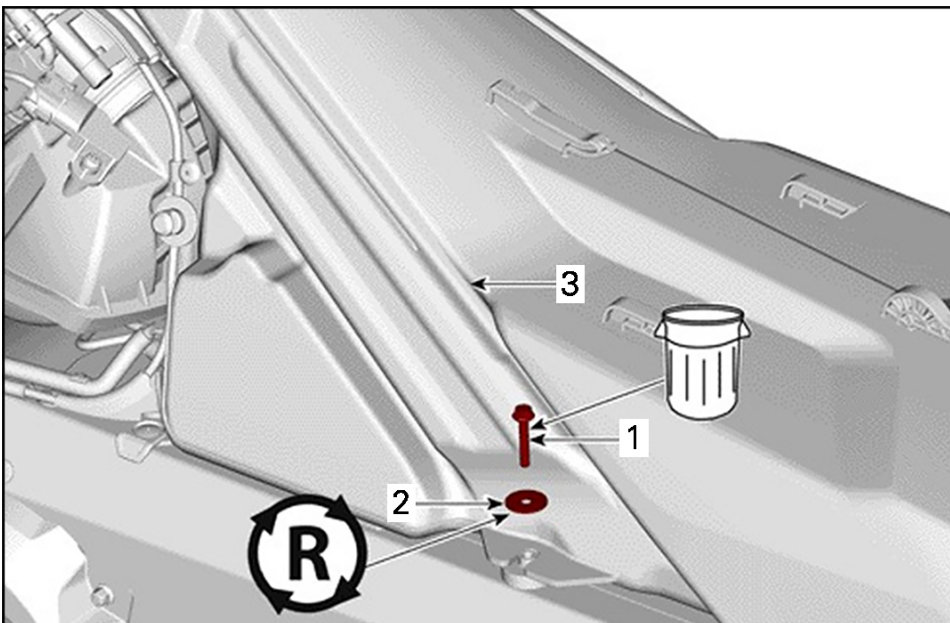
1. Rear left crossmember

3. Remove the right side rear crossmember.



1. Rear right crossmember

4. Remove screw and washer securing fuel tank on each side. Keep washers and discard screws.



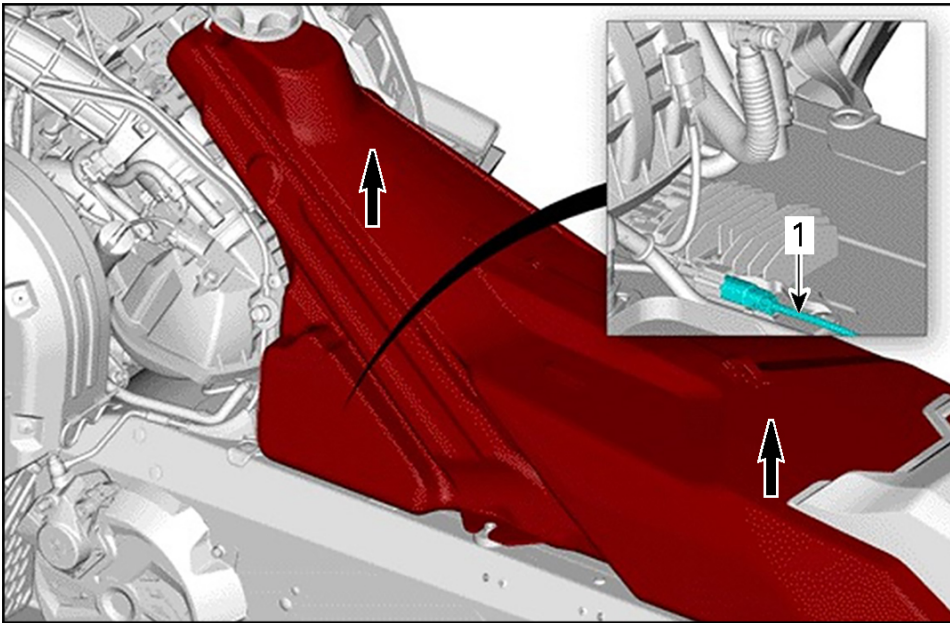
1. M6 x 35 flanged hex. screw [R5]

2. M6 washer

3. Fuel tank

5. Lift fuel tank just enough to route harness under.

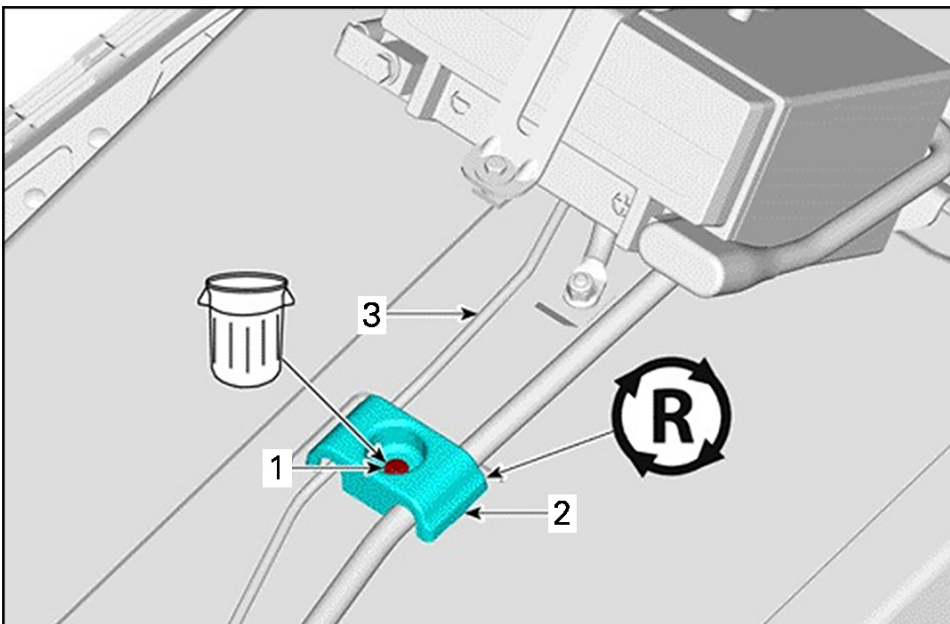
NOTICE Be careful not to pull on the gas pump harness and fuel hoses when moving the gas tank.



TAILLIGHTS PLUG LOCATION

1. Taillights wiring harness

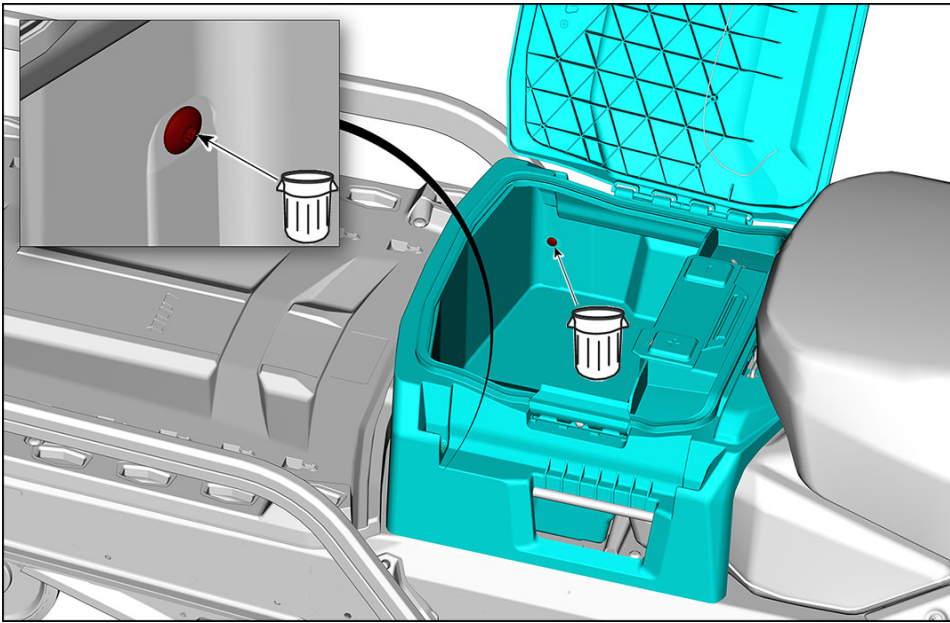
6. Drill and discard the rivet, remove and keep tank guide.



1. Black Pop Rivet 3/16" [R2]
2. Wire tie down bracket
3. Taillights wiring harness

For REV Gen4 vehicles with a 20" or 24" track

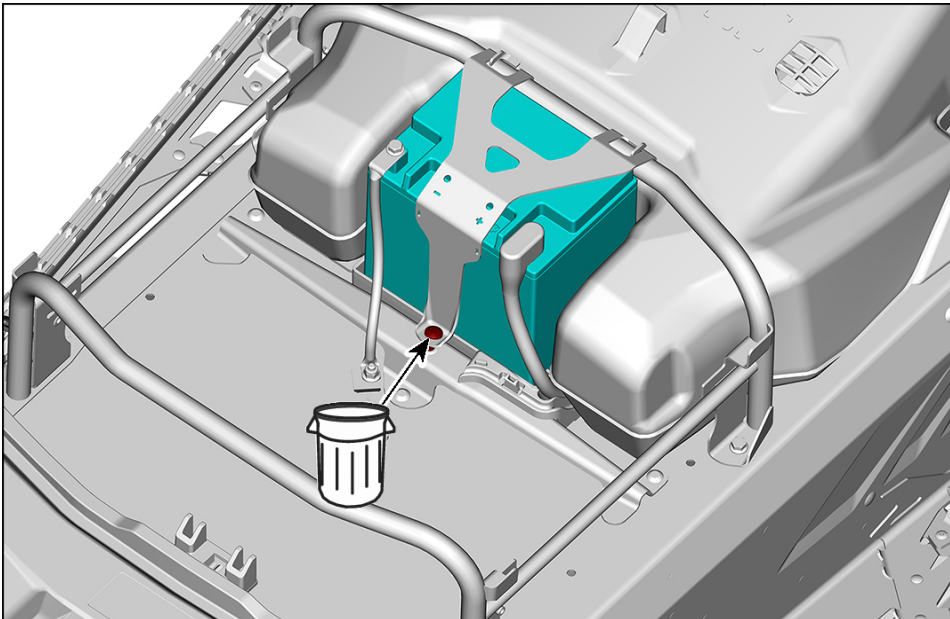
1. Remove and discard cargo box mounting screws. Remove cargo box.



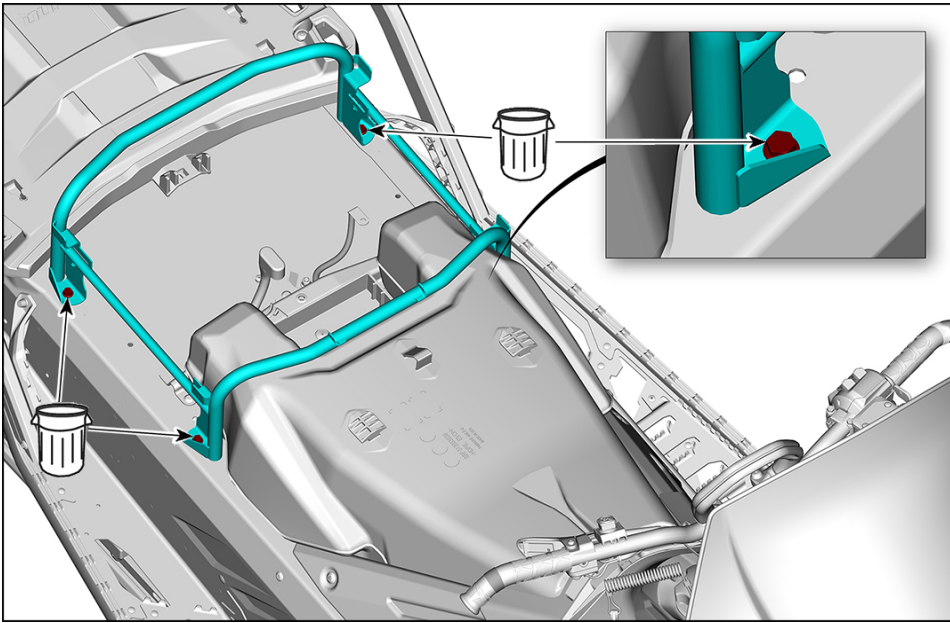
2. Remove battery. Discard battery rack mounting screw, keep washer.

NOTICE - Always disconnect battery before doing any electrical installation.

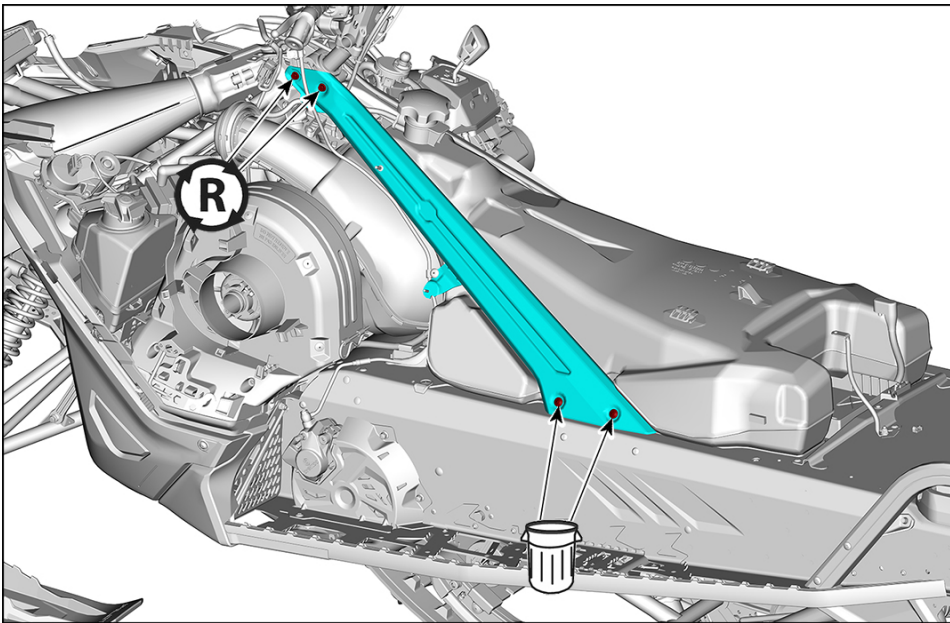
- Always disconnect battery in this specified order, BLACK (–) cable first.
- Do not place tools on battery.



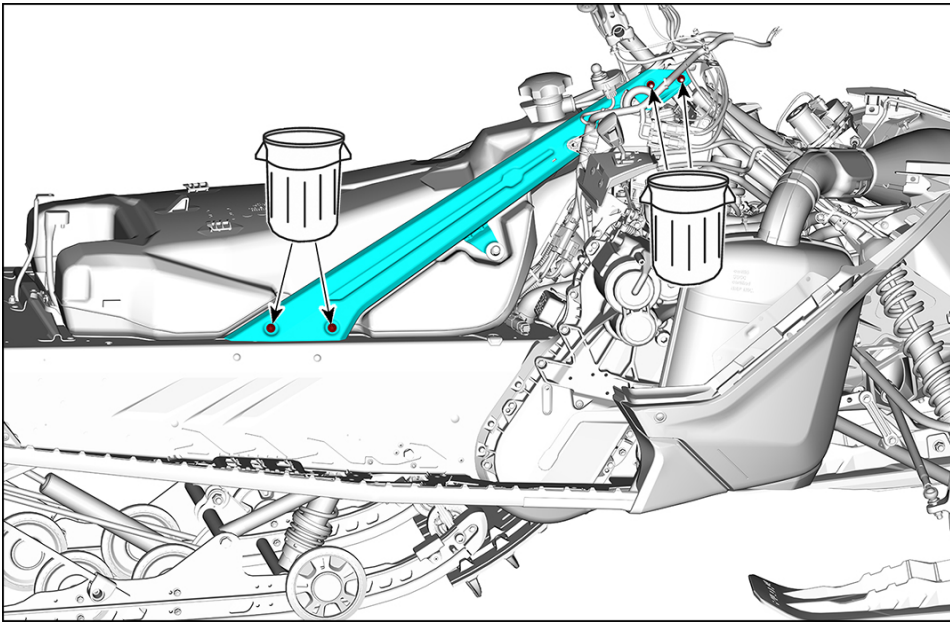
3. Remove seat support, discard screws.



4. Remove the left side crossmember.



5. Remove the right side crossmember.

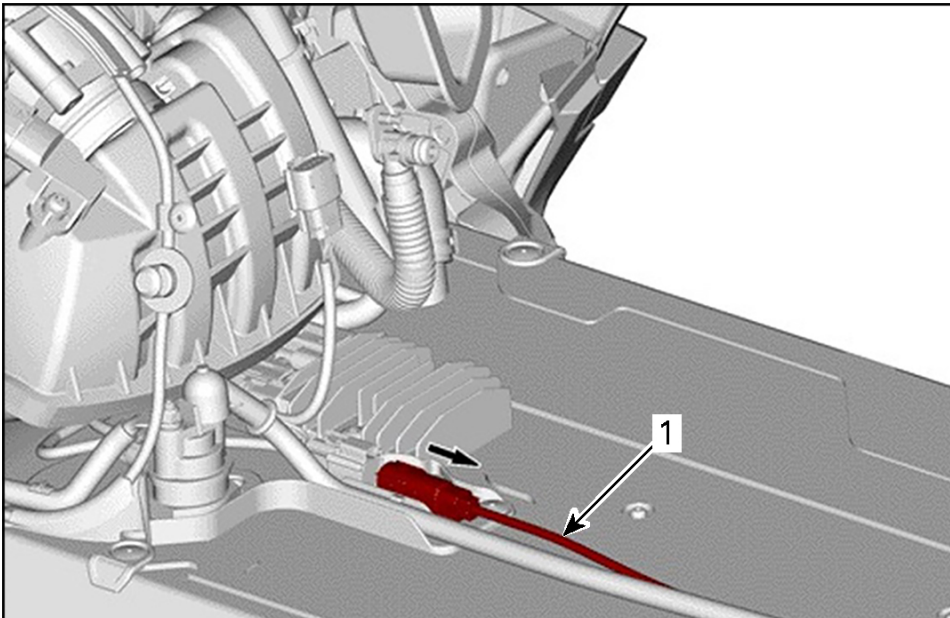


INSTALLATION INSTRUCTIONS

ACCESSORY LEAD INSTALLATION INSTRUCTIONS

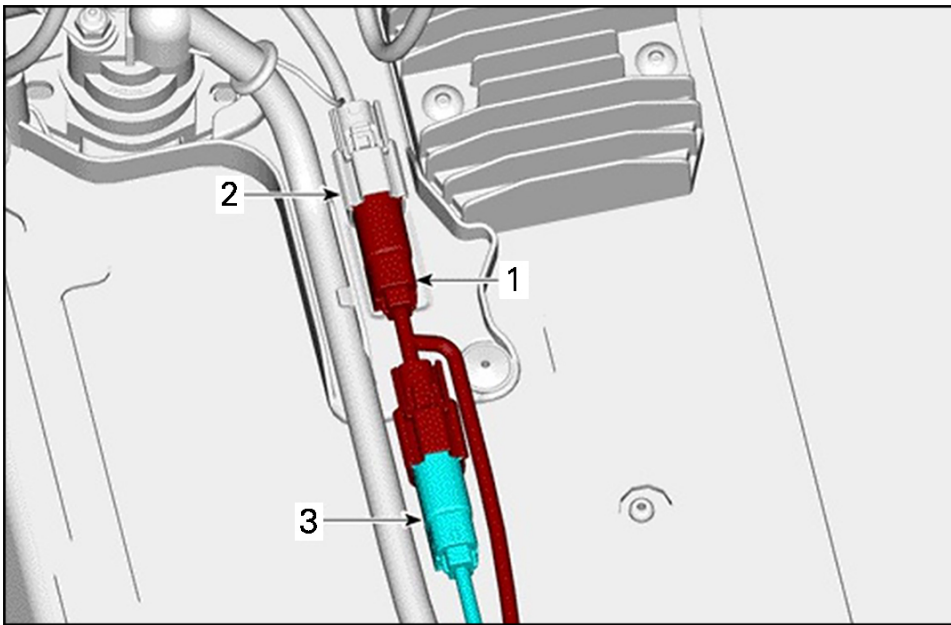
For REV Gen4 vehicles with a 16" track

1. Disconnect the taillights wiring harness under the front of the fuel tank.



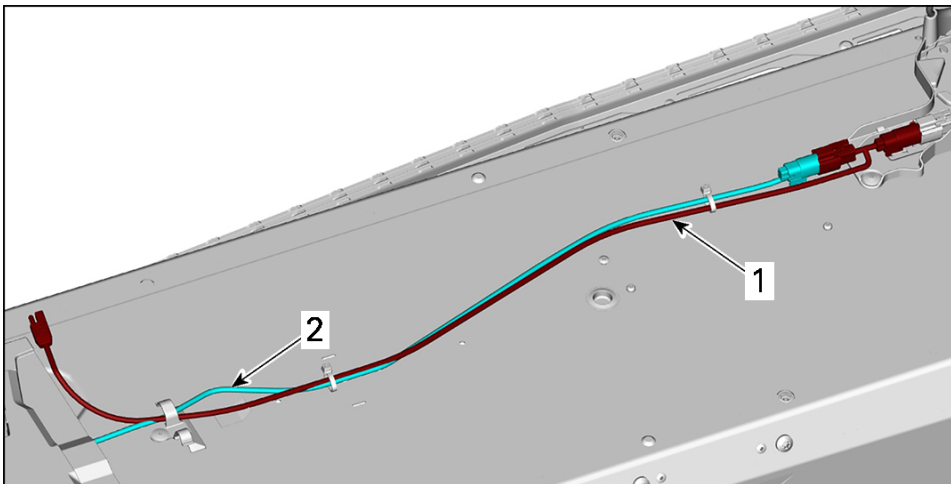
1. Taillight harness

2. Connect the accessory lead [R1] wiring harness in line with the taillight wiring harness.



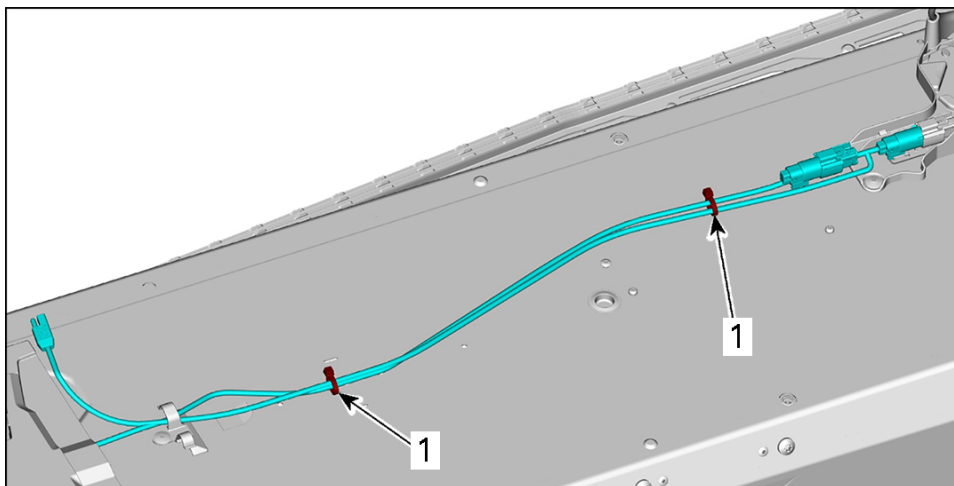
- 1. Accessory lead [R1]
- 2. Connector
- 3. Taillight harness

3. Route the accessory lead [R1] to the rear of vehicle parallel to taillight harness.



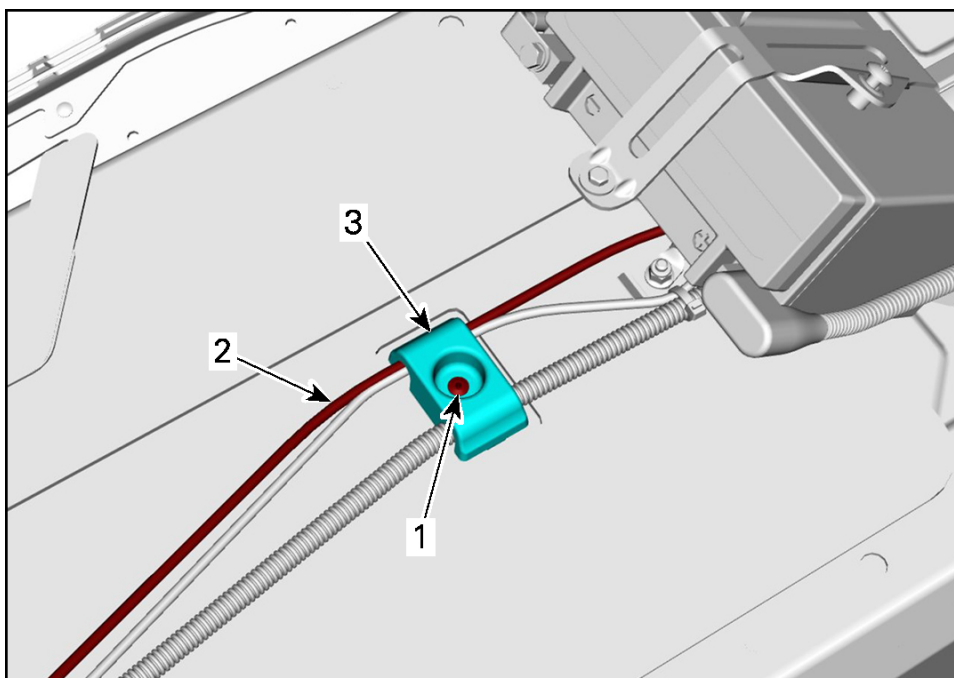
- 1. Accessory lead [R1]
- 2. Taillights harness

4. Use two (2) locking ties [P10] to join and secure taillight harness and accessory lead [R1] under fuel tank.



1. Locking ties [R6]

5. Reinstall previously removed tank guide and secure with black pop rivet 3/16" [R2].

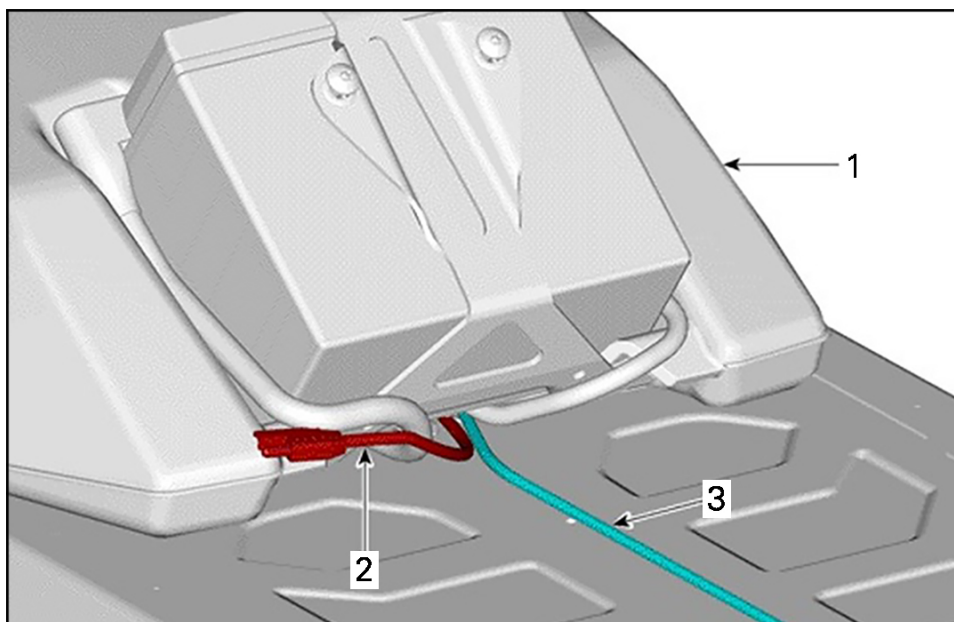


1. Black Pop Rivet 3/16" [R2]

2. Wire tie down bracket

3. Taillights wiring harness

6. Reinstall fuel tank (Refer to *SERVICE MANUAL*). Let accessory lead [R1] get out as shown below.



- 1. Fuel tank
- 2. Accessory lead [R1]
- 3. Taillight harness

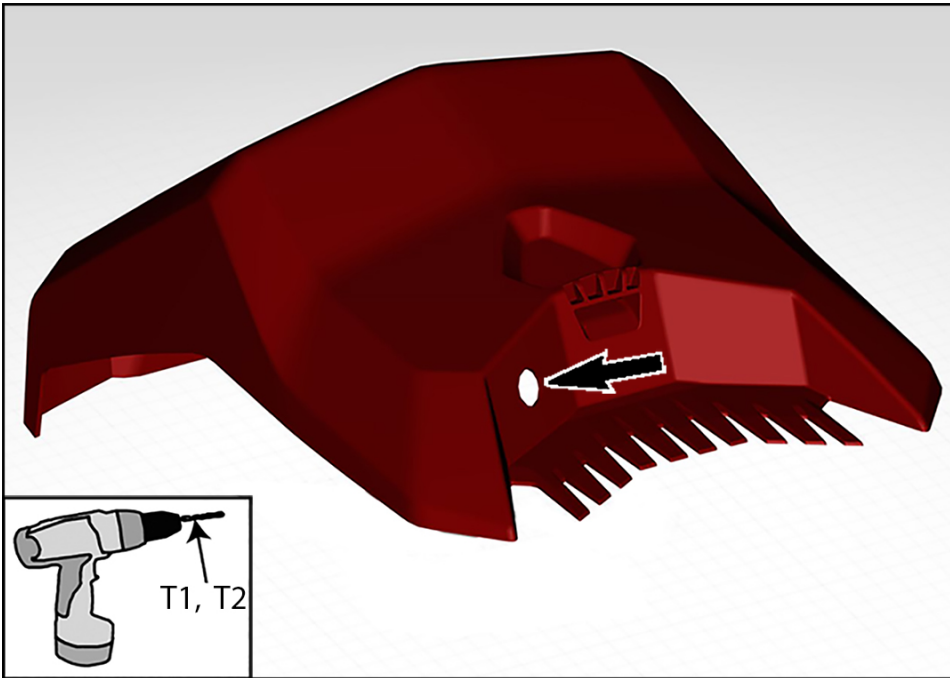
For REV Gen4 and REV Gen5 with a 16" track

1. Drill a 5/8" (16mm) hole on the top front facing surface of the battery cover. Use tool T1 to predrill the hole first then T2 to drill to final size.

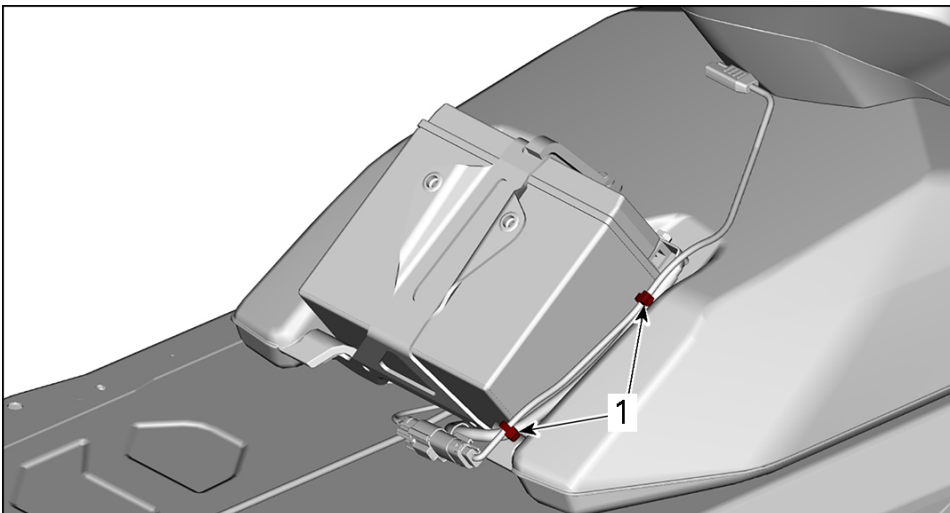


WARNING

Do not drill a hole in the battery cover while it is still installed on the vehicle.



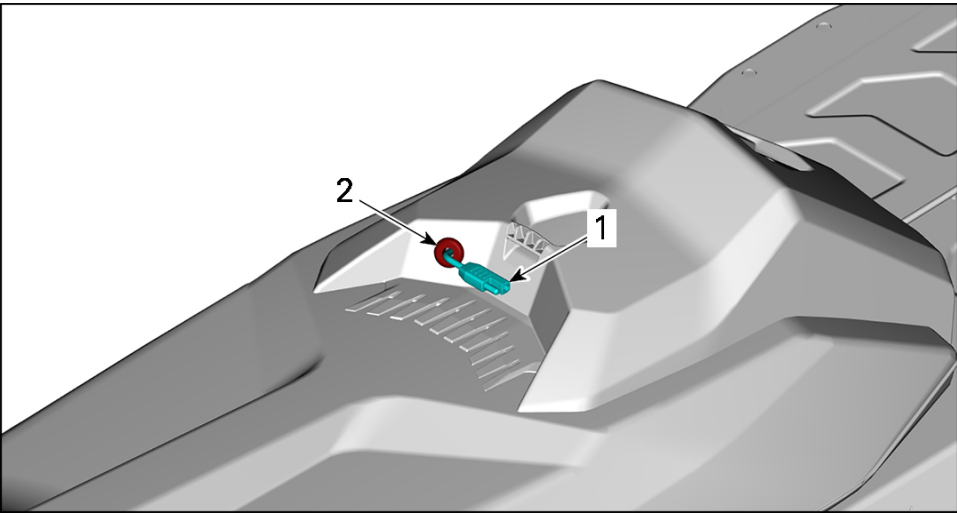
2. Secure the vehicle wiring harness alongside the battery cable with the provided locking ties.



1. Locking tie [P10]

3. Pass the cable through the hole previously made in the battery cover and install the cable grommet in the hole.

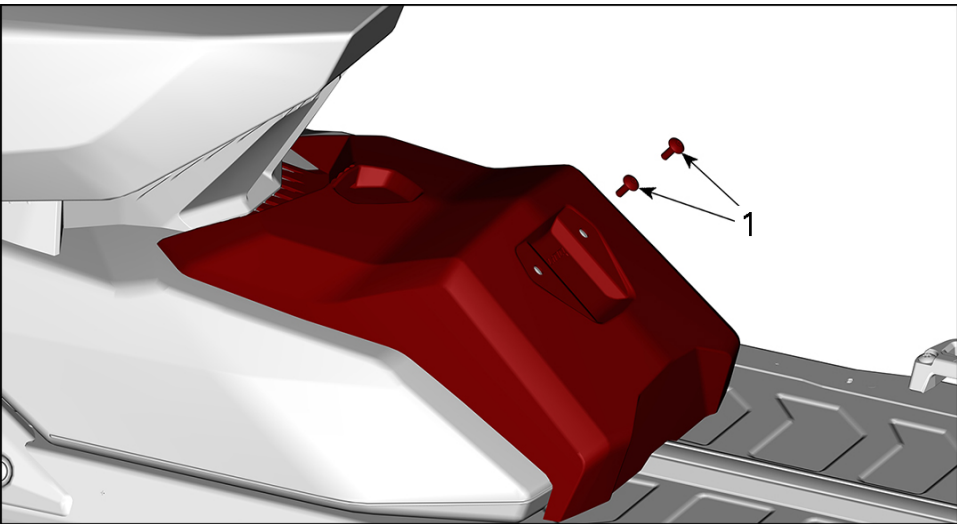
NOTE: If the accessory lead [R1] is too short, you will need to route the seat wiring harness [P4] through the grommet.



- 1. Vehicle wiring harness [P5]
- 2. Cable grommet [P6]

4. Reinstall the battery cover.

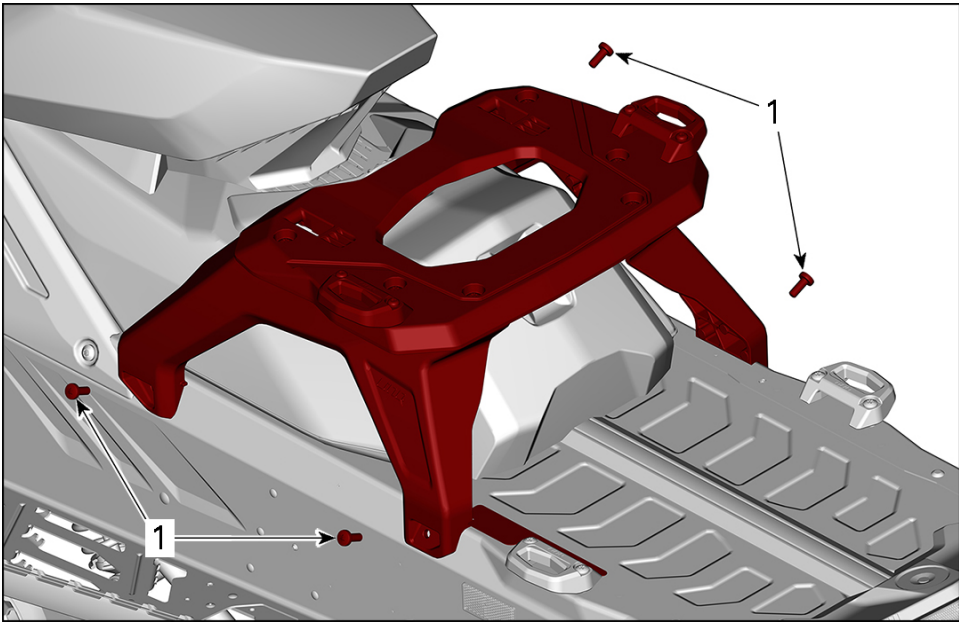
NOTE: If you routed the seat wiring harness [P4] through the grommet, you need to plug it in the accessory lead before you reinstall the battery cover.



- 1. M4 x16 Torx screw

TIGHTENING TORQUE	
M4 x 16 Torx screw	1.8 ± 0.2 N•m (16 ± 2 lbf•in)

5. Reinstall the 1+1 rack.



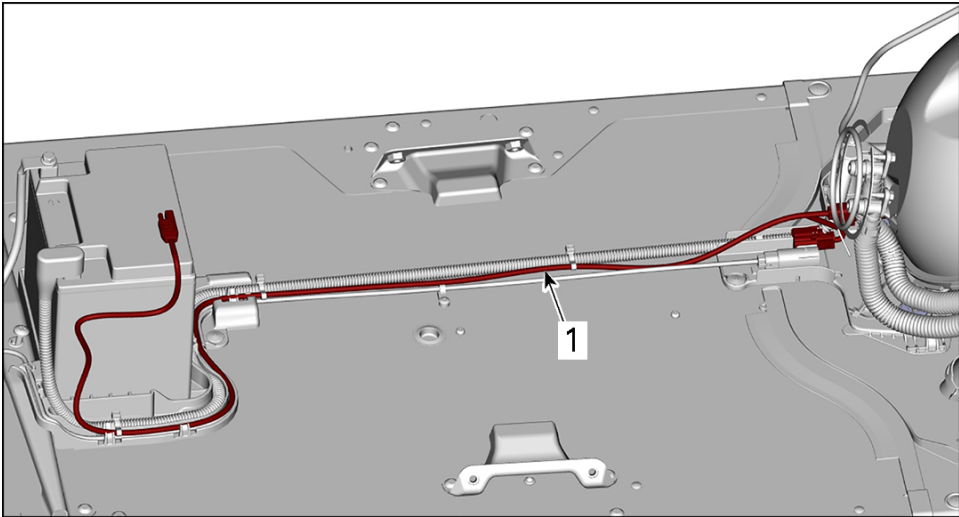
1. M8 x 12 Torx Nylon Patch Screw [R4]

TIGHTENING TORQUE	
M8 x 12 Torx Nylon Patch Screw [R4]	31.5 ± 3.5 N•m (23 ± 3 lbf•ft)

For REV Gen4 vehicles with a 20” or 24” track

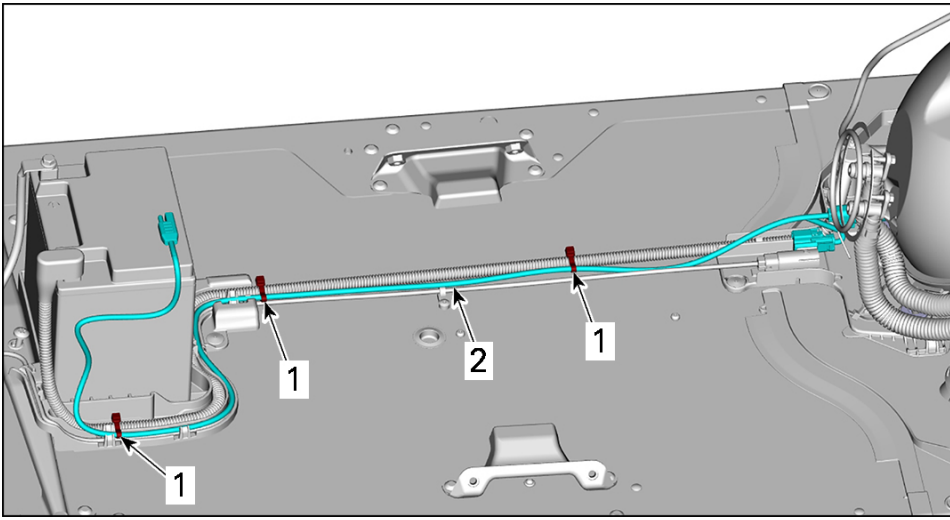
1. Lift fuel tank just enough to route the accessory lead [R1] under and plug it in between the taillights harness plug and vehicle plug.

NOTICE Be careful not to pull on the gas pump harness and fuel hoses when moving the gas tank.



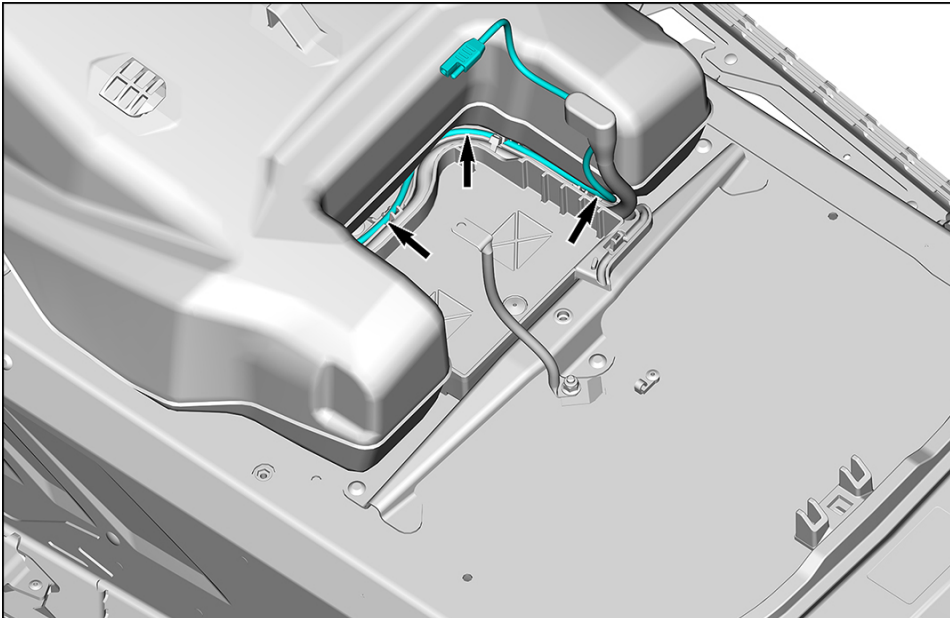
1. Accessory lead [R1]

2. Secure harness as shown with locking ties.

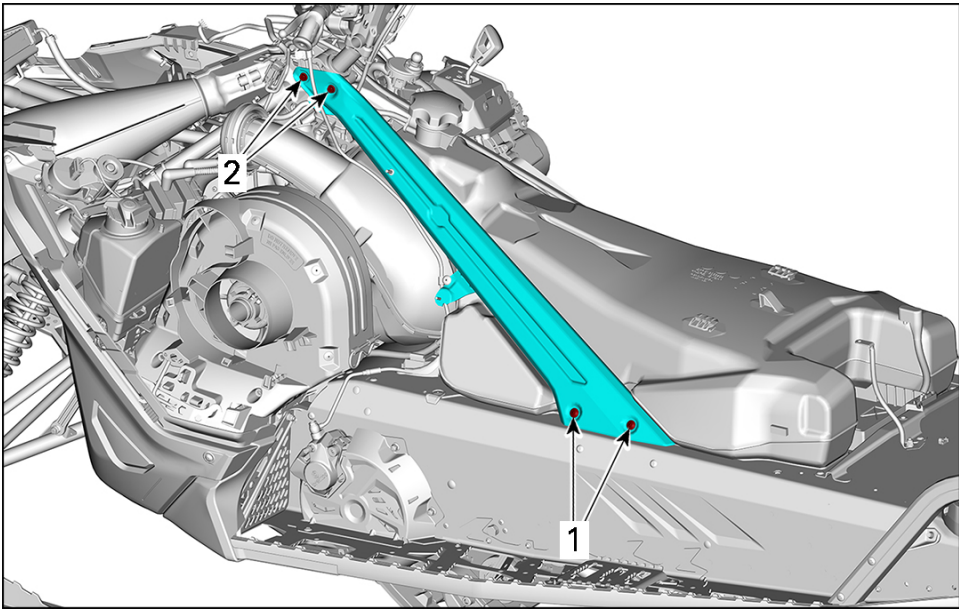


1. Locking tie [R6]
2. Accessory lead [R1]

3. Reposition the fuel tank. Ensure the harness is correctly positioned in the groove of the fuel tank.

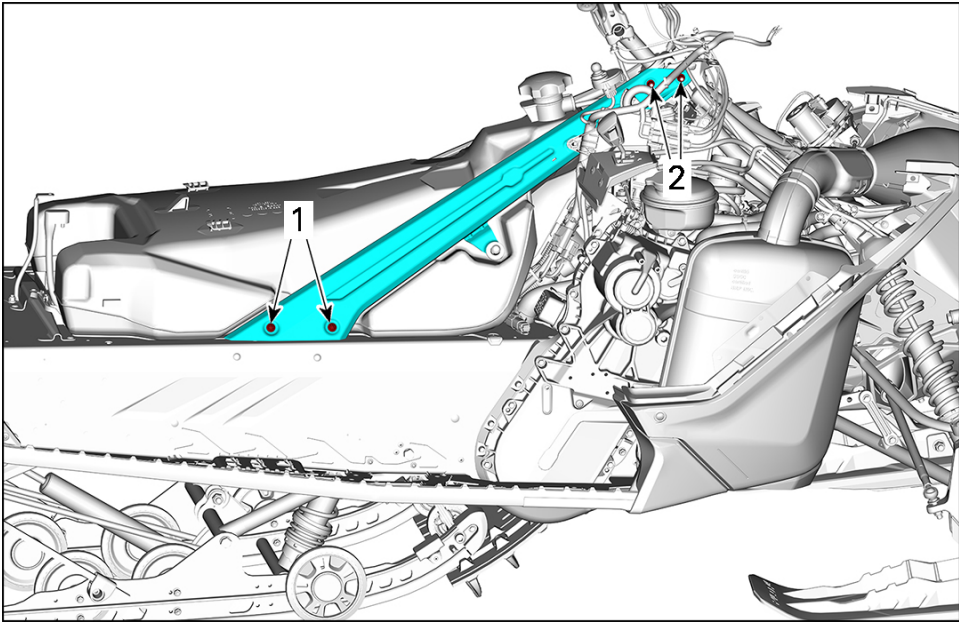


4. Install rear left crossmember.



- 1. M8 x 12 Torx screw [R7]
- 2. M6 x 75 flanged hex. screw

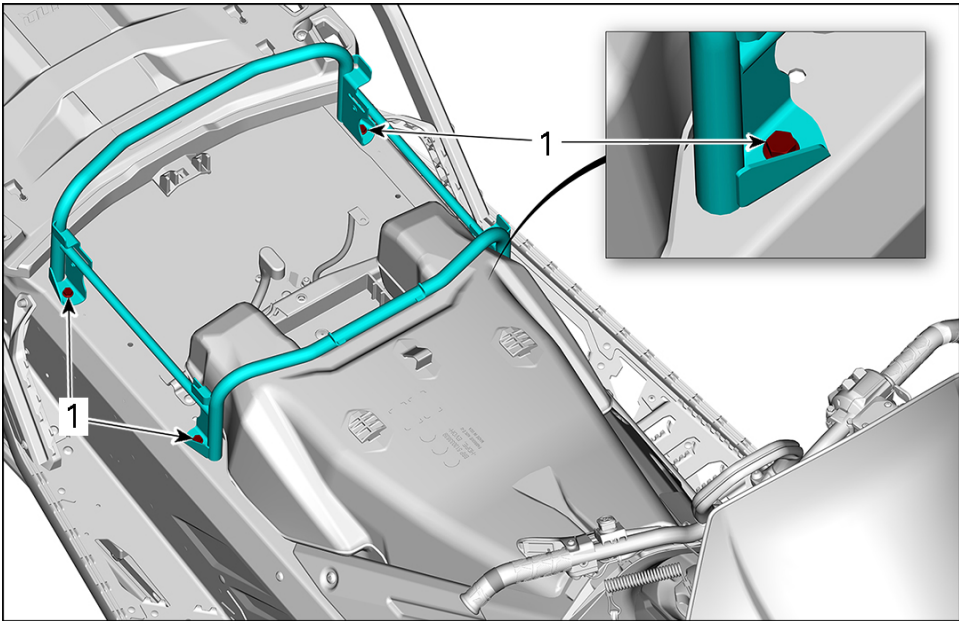
5. Install rear right crossmember.



- 1. M8 x 12 Torx screw [R7]
- 2. M6 elastic flanged nuts [R3]

TIGHTENING TORQUE	
M8 x 12 Torx screw [R7]	30 ± 2 N•m (22 ± 1 lbf•ft)
M6 elastic flanged nuts [R3]	12,5 ± 2,5 N•m (111 ± 22 lbf•in)

6. Install seat support.

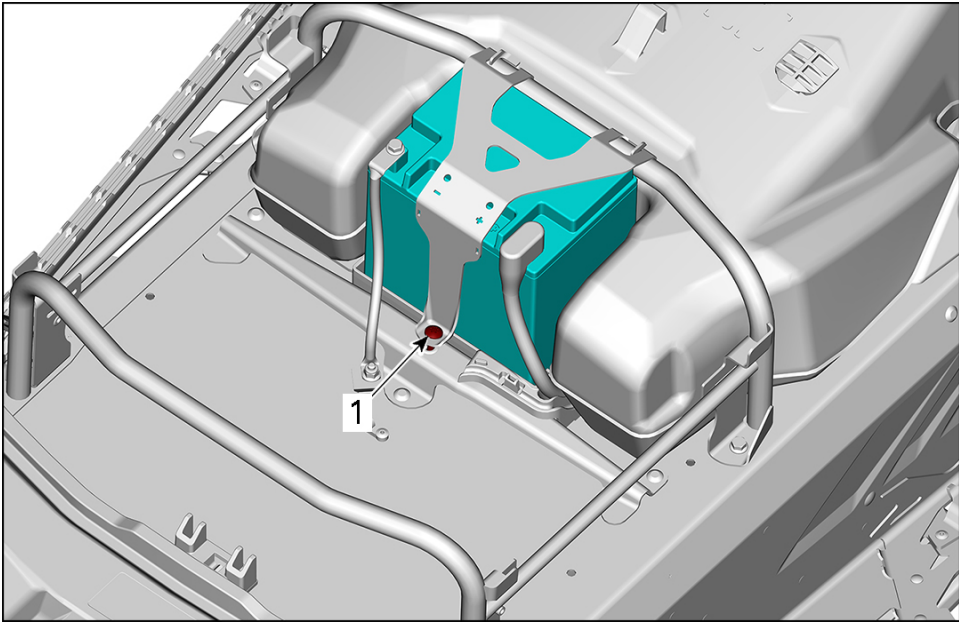


1. M6 x 16 hex. Scotch Grip screw [R10]

TIGHTENING TORQUE	
M6 x 16 hex. Scotch grip screw [R10]	10 ± 2 N•m (89 ± 18 lbf•in)

7. Install the battery, battery support and connect battery.

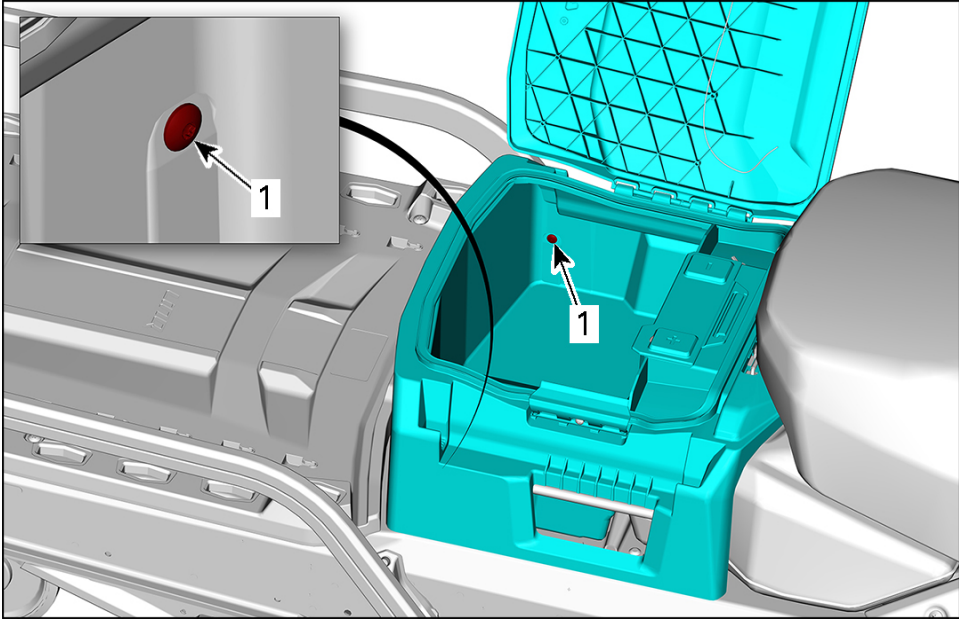
NOTICE Always connect RED (+) cable first, then BLACK (-) cable.



1. M6 x 30 Torx screw [R11]

TIGHTENING TORQUE	
M6 x 30 Torx screw [R11]	5 ± 0.5 N•m (44 ± 4 lbf•in)

8. Install cargo box.



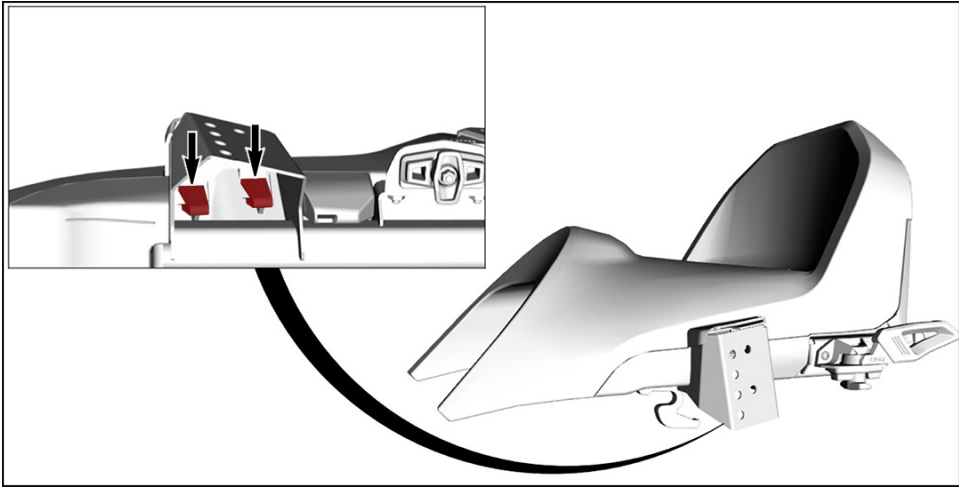
1. M5 x 20 Torx screw [R12]

TIGHTENING TORQUE	
M5 x 20 Torx screw [R12]	2 ± 1.5 N•m (18 ± 13 lbf•in)

HEATED GRIPS INSTALLATION

For vehicles with a 16” track

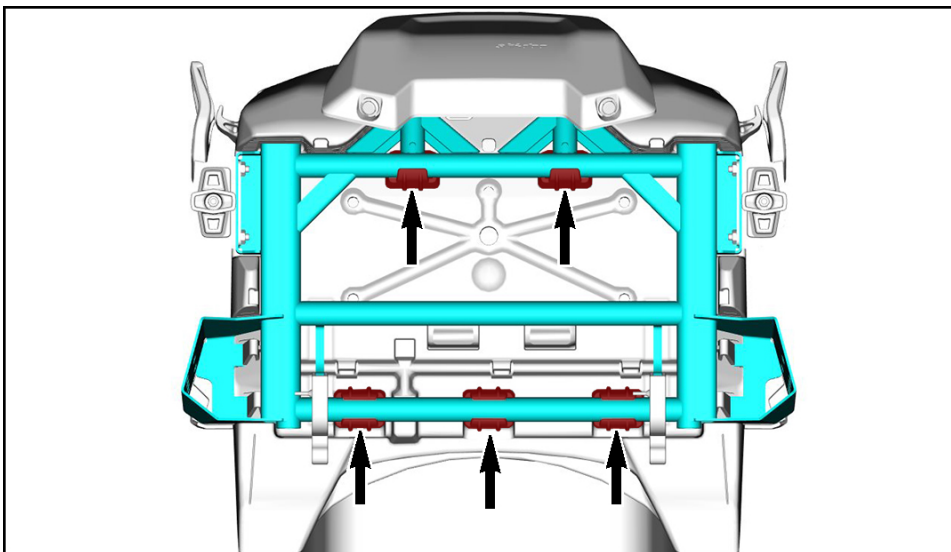
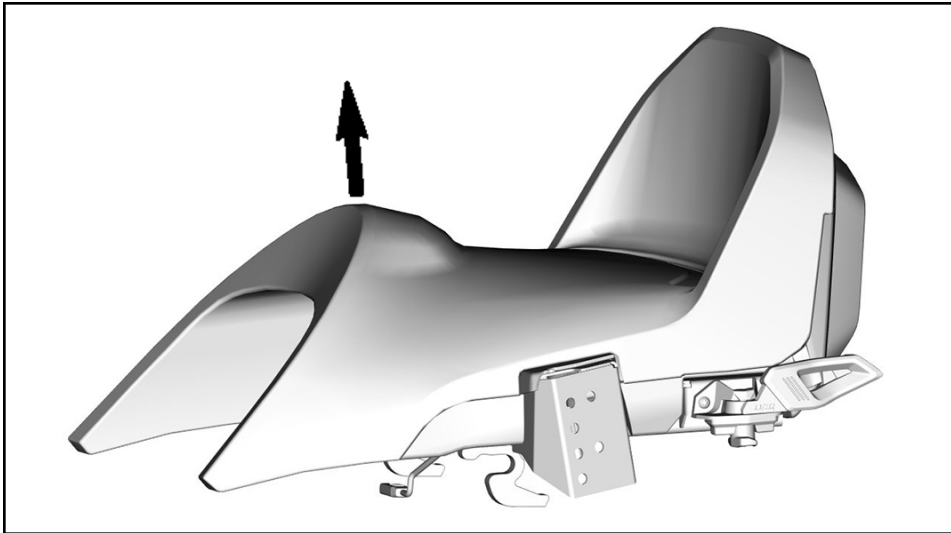
1. Push in the 2 tabs underneath the handle’s mount on each side and unclip the sides of the seat.



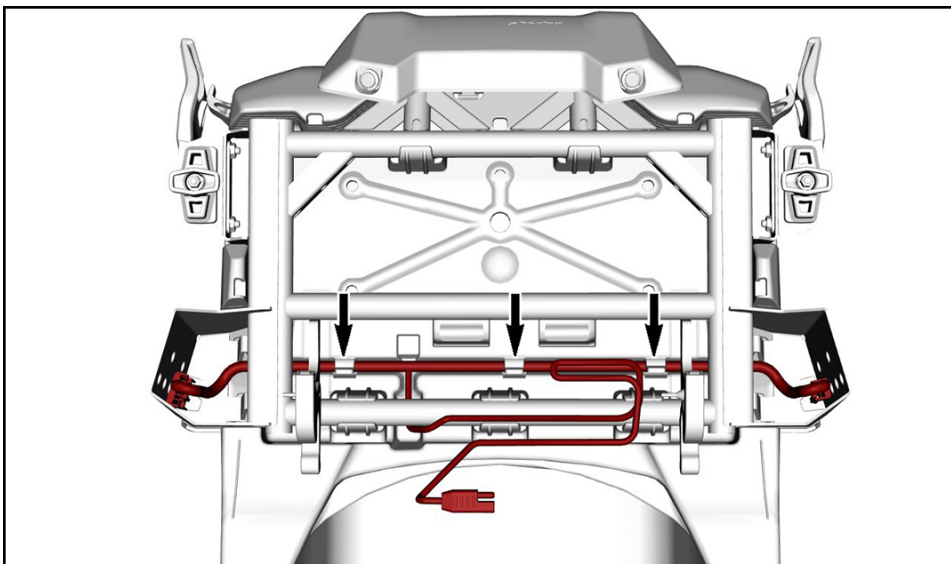
For All Vehicles

2. Pull the front of the seat cushion up at a slight angle forward to fully unclip it from the five clips shown below.

NOTICE Do not try to completely remove the seat, only unclip it. The back of the seat is still held in by rivets.

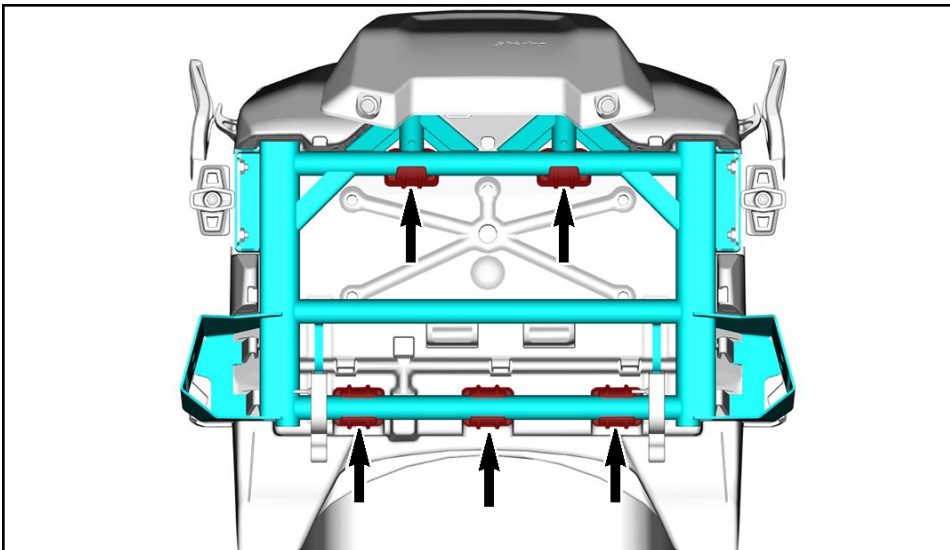
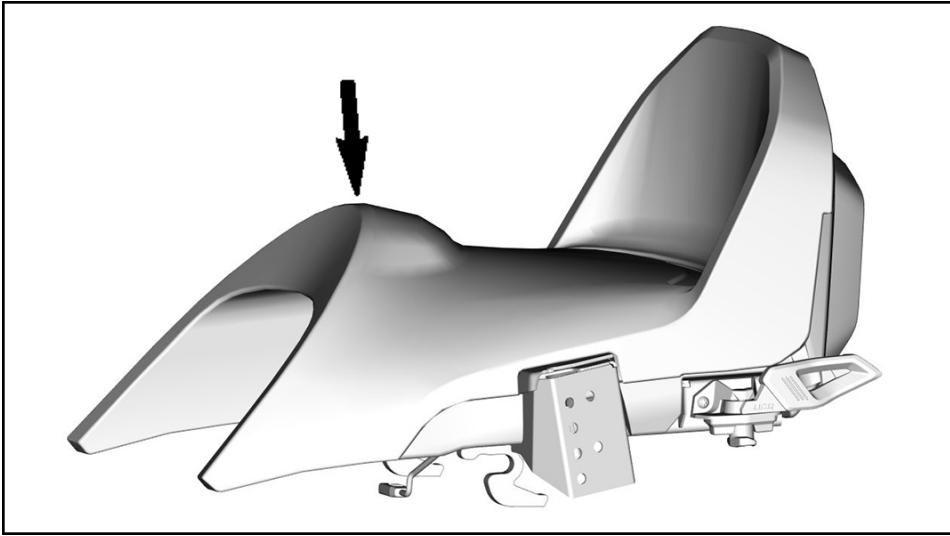


3. Lift the seat just enough to install the seat wiring harness [P4] through the cable channel and the three (3) clips in the underside of the seat.

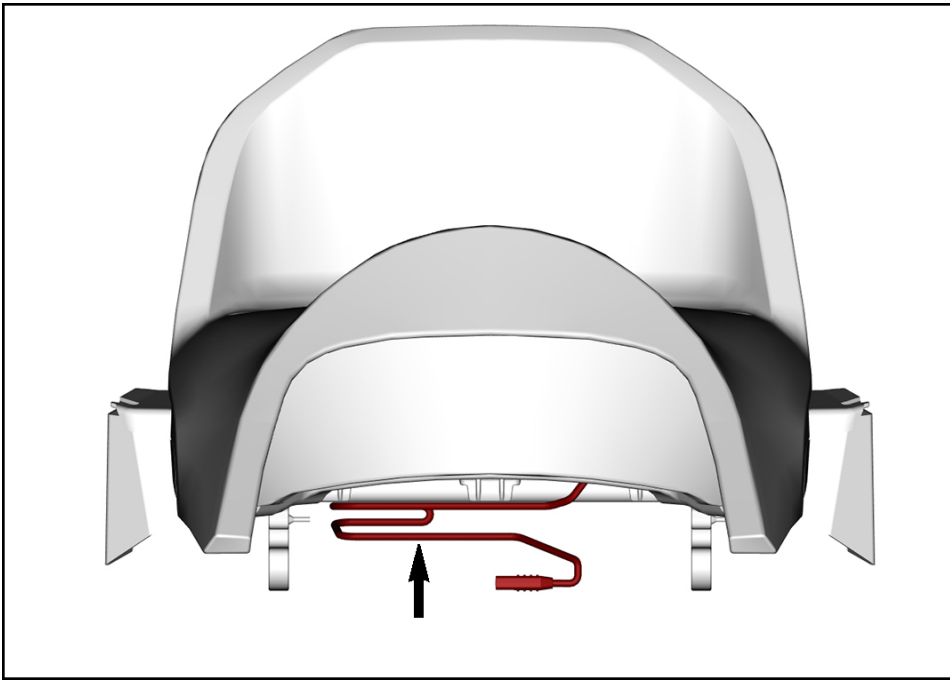


4. Push the seat until the five (5) clips are in place.

NOTICE - Be careful to properly align the clips on the frame before pushing the seat in place
- Be careful not to pinch the wiring harness between a clip and the frame.

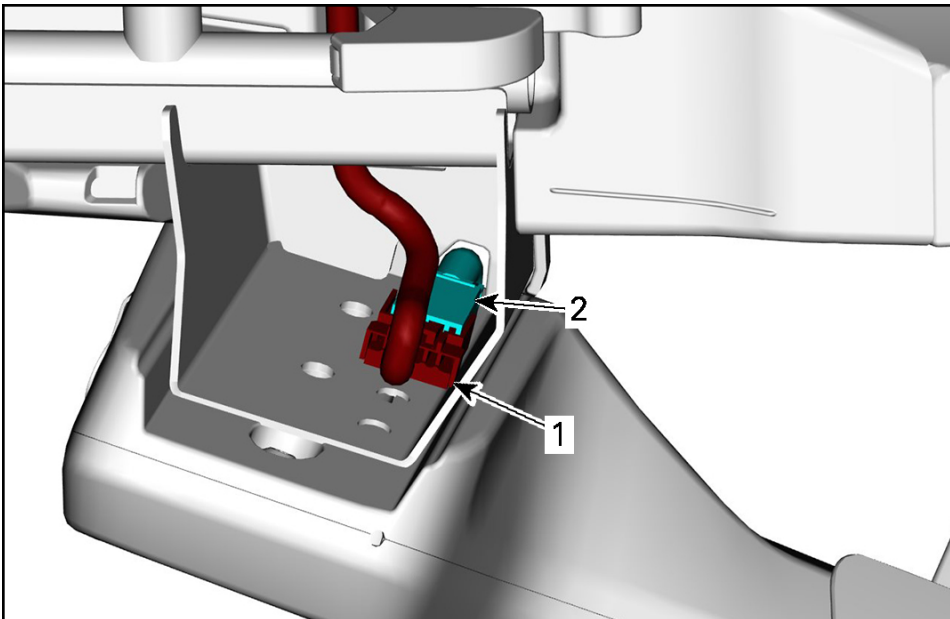


NOTICE Hide excess wiring under the seat frame, NOT between the seat cushion and seat frame.



For All Vehicles

1. Connect the heated grips plugs.



1. Seat wiring harness [P4]

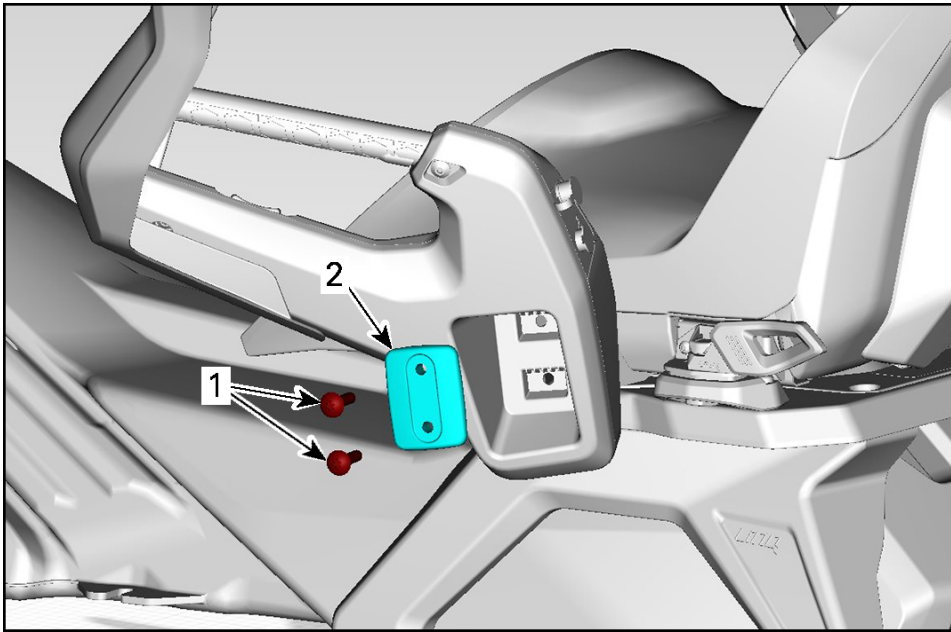
2. Heated grip plug

2. Install the heated grips on the seat with the passenger grip mounting plate [P3] and two M8 x 35 screws [P7, P8].

NOTICE - If the screw uses a nylon lock nut use a screw without scotch grip [P7] and replace the nylon lock nut.

- Else, if the screw uses a standard nut replace the screw and use one with a nylon lock insert

[P8].

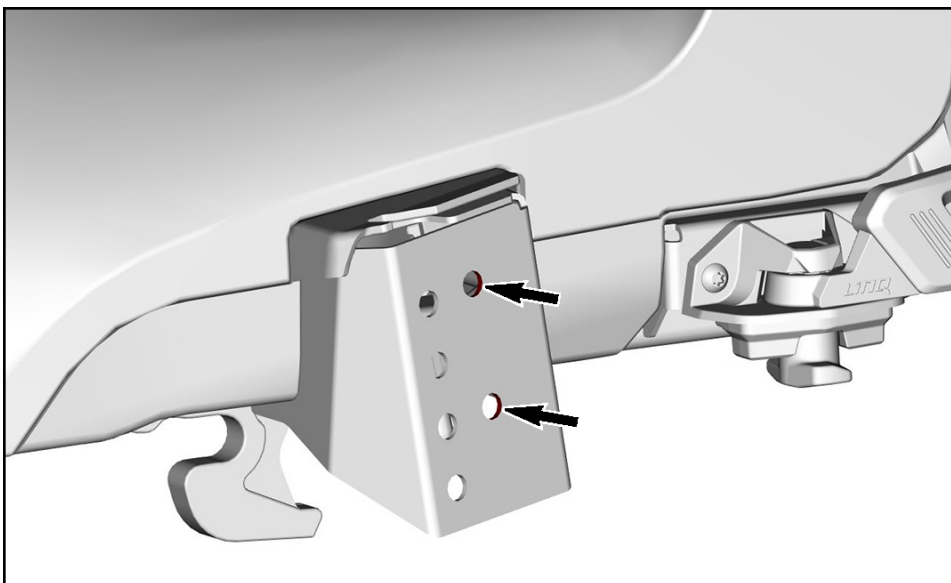


1. M8 X 35 Torx screws [P7], or M8 x 35 Torx nylon lock screw [P8] depending on usage, see NOTICE.

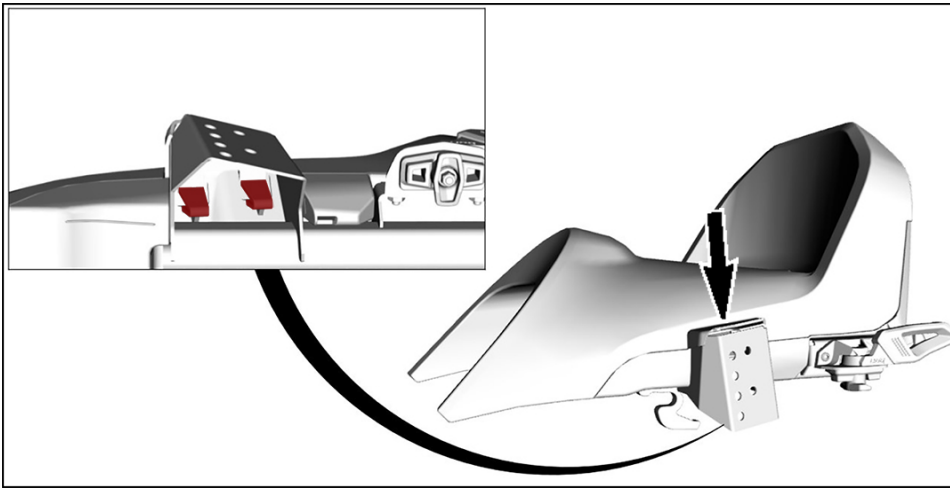
2. Passenger grip mounting plate [P3]

For vehicles with a 16" track

NOTE: Use the two holes shown below.



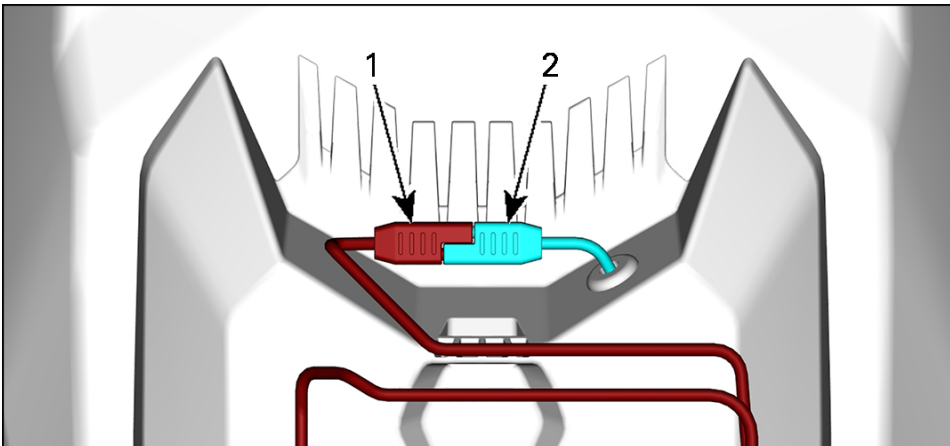
1. Push down on each side until the 2 tabs under the handle mounting plates click in place.



PASSENGER SEAT INSTALLATION INSTRUCTIONS

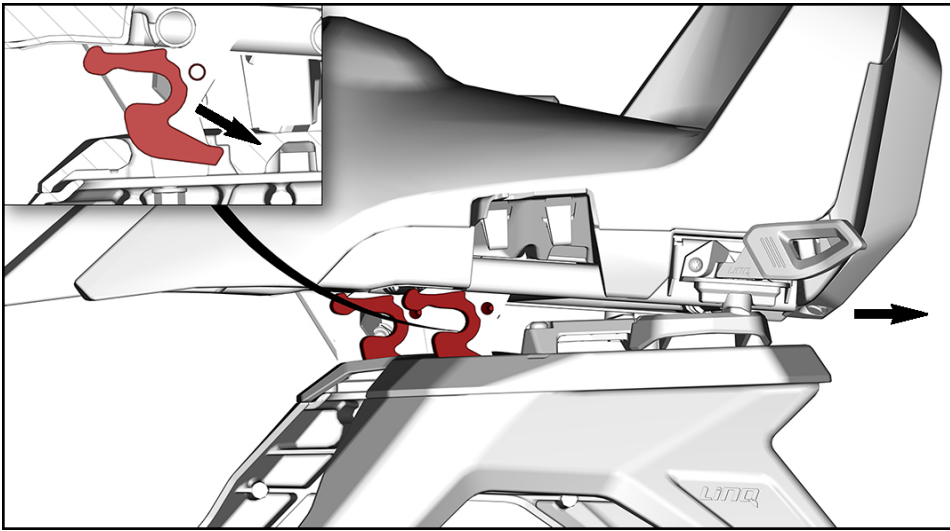
For vehicles with a 16" track

1. Connect the seat wiring harness [P4] and vehicle accessory wiring harness.

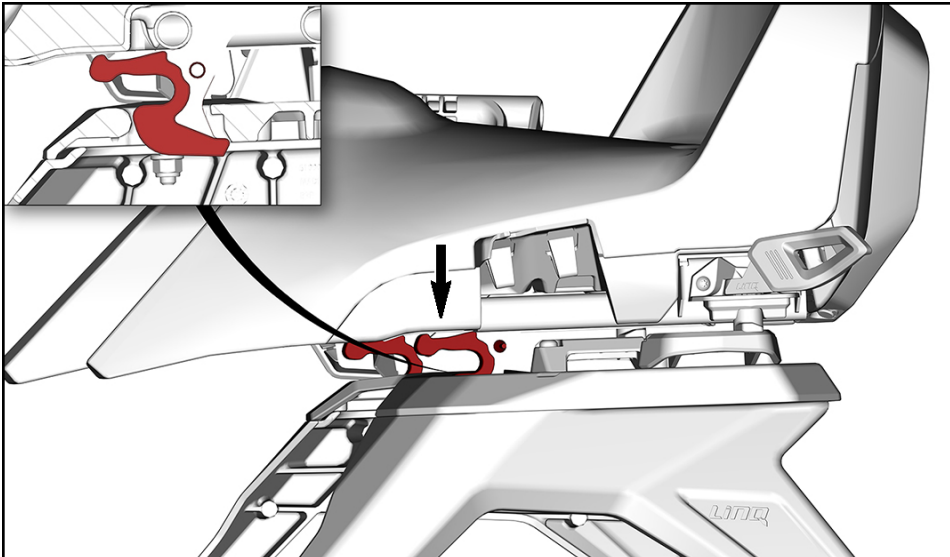


1. Seat wiring harness [P4]
2. Vehicle wiring harness [P5] or Accessory lead [R1]

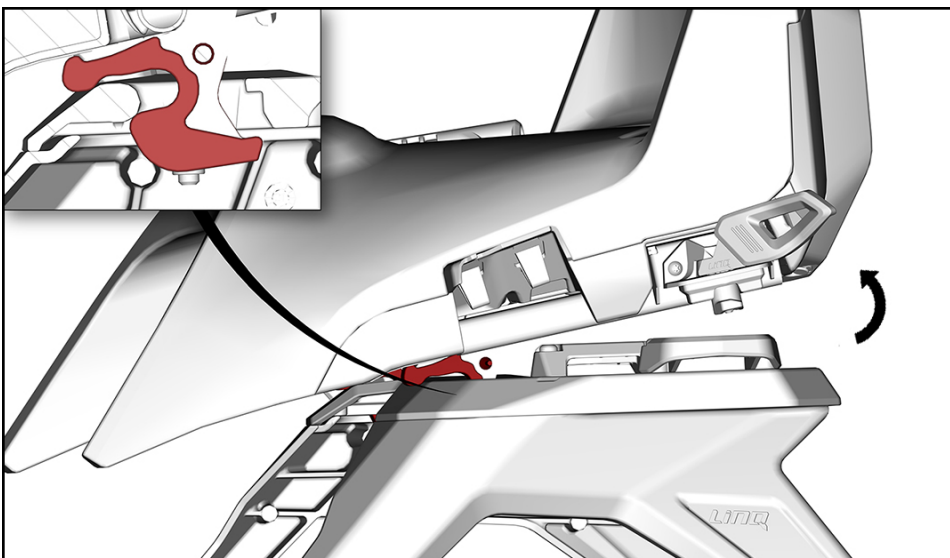
2. Engage the rear of the LinQ brackets in the 1+1 rack holes.



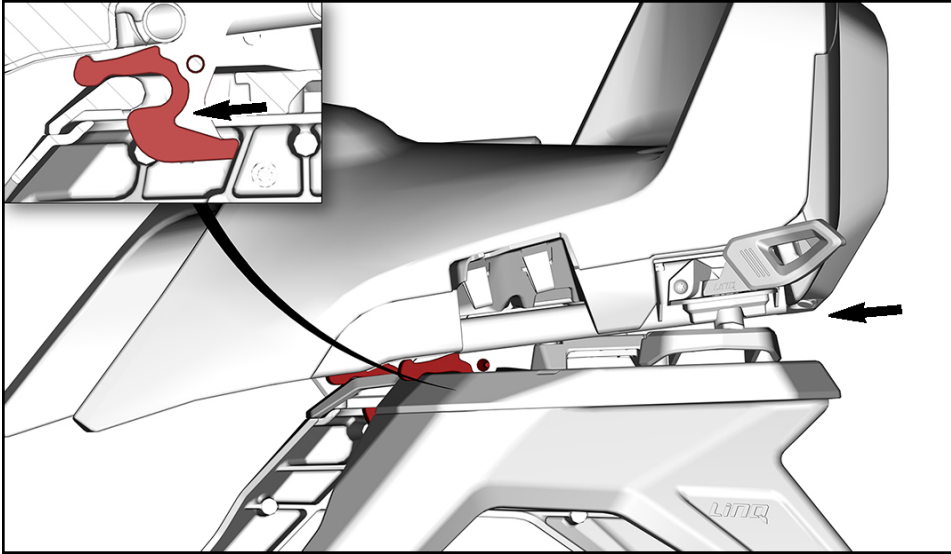
3. Push the seat down to fully engage the brackets in the 1+1 rack holes.



4. Tilt the back of the seat upwards.

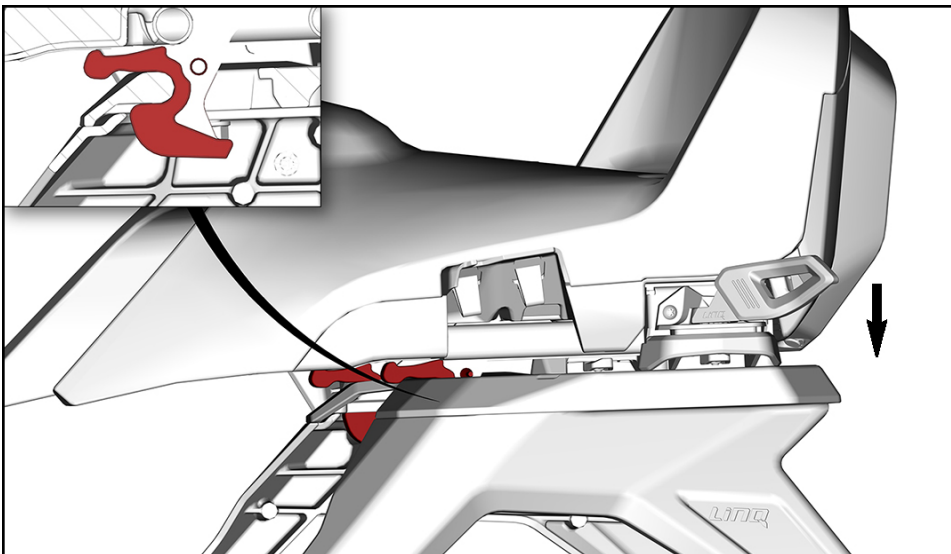


5. Push the seat forward.

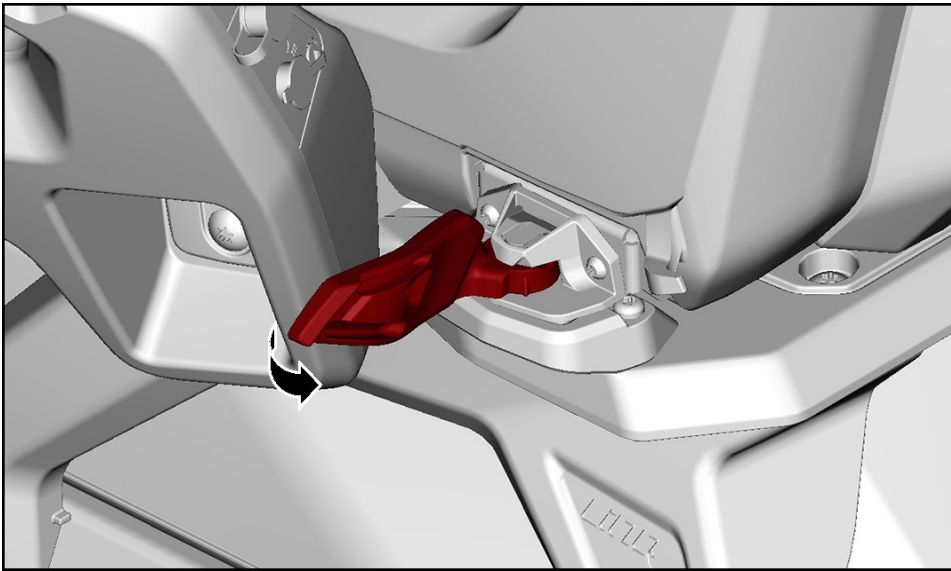


6. Push down the rear of the seat.

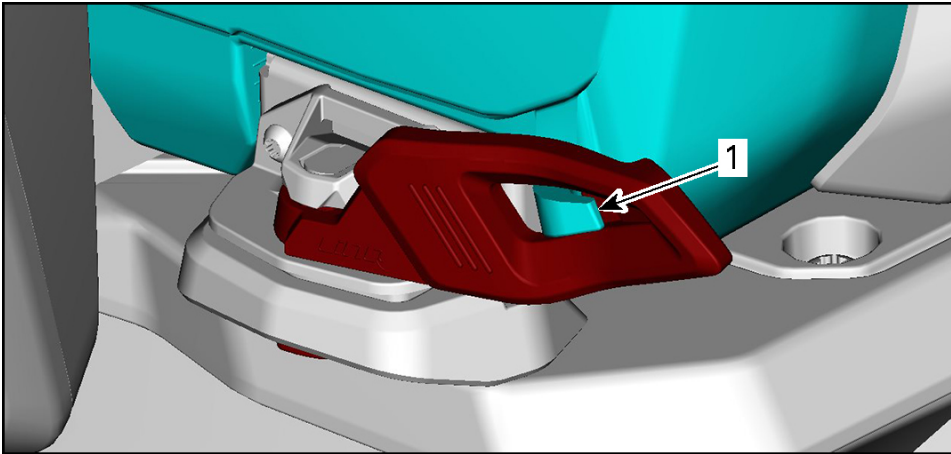
NOTICE Make sure that the LinQ handles are in the open position before pushing it down.



7. Close the LinQ handles.



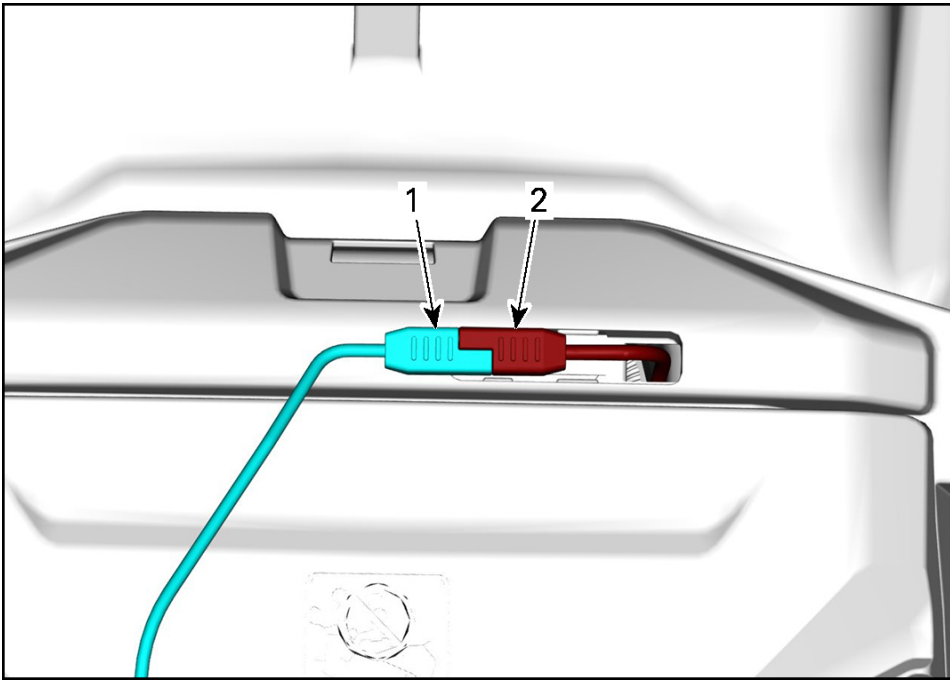
8. Secure the handles closed with the rubber retaining hook molded in the seat.



1. Rubber retaining hook

For vehicles with a 20" or 24" track

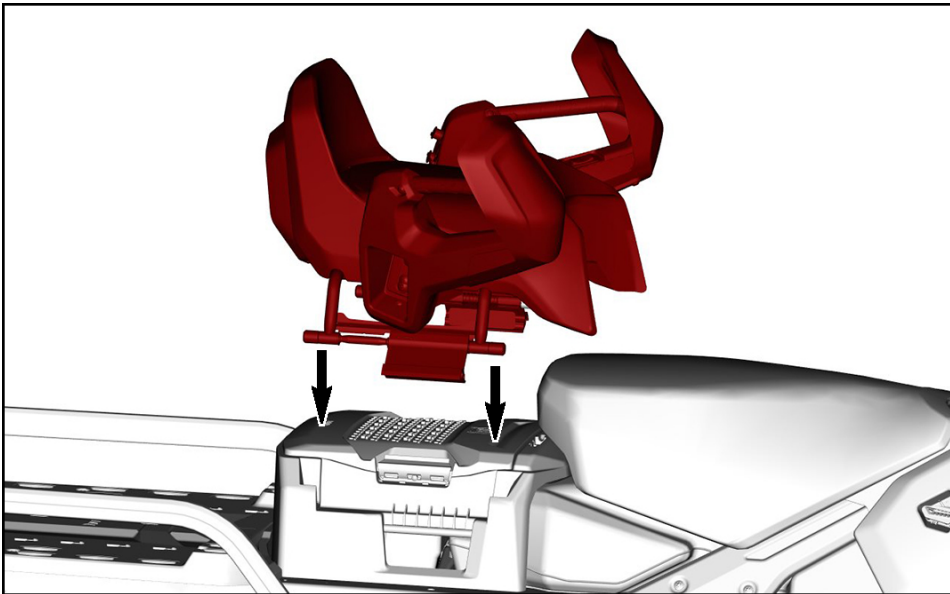
1. Connect the seat wiring harness [P4] and vehicle accessory wiring harness.



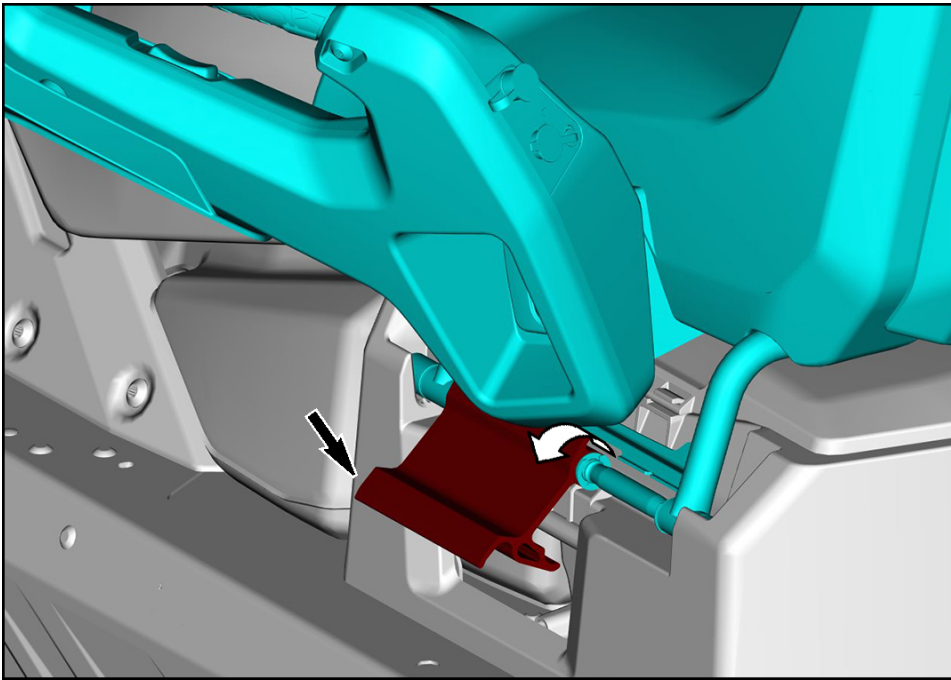
1. Seat wiring harness [P4]

2. Vehicle wiring harness [P5] or Accessory lead [R1]

2. Reinstall the passenger seat.



3. Close the seat retainers on each side.



BODY PANELS INSTALLATION INSTRUCTIONS

For all REV Gen4 vehicles

1. Reinstall top fairing module and console (refer to the procedure in *SERVICE MANUAL* in *BODY* section).
2. Reinstall left and right side panels (refer to the procedure in *SERVICE MANUAL* in *BODY* section).
3. Reinstall operator seat (refer to the procedure in *SERVICE MANUAL* in *BODY* section).