



SKI-DOO KIT - Ice Auger Holder

Product:	Ski-Doo
Project no:	487802996
Instruction Sheet P/N:	487802996
Revision no:	
Revision date:	
Item covered:	Ice Auger Holder

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.
- 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.

 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.

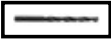
	GRADE			
	5.8	8.8	10.9	12.9
M4	1.8 ± 0.2 N•m (16 ± 2 lbf•in)	2.8 ± 0.2 N•m (25 ± 2 lbf•in)	3.8 ± 0.2 N•m (34 ± 2 lbf•in)	4.5 ± 0.5 N•m (40 ± 4 lbf•in)
M5	3.3 ± 0.2 N•m (29 ± 2 lbf•in)	5 ± 0.5 N•m (44 ± 4 lbf•in)	7.8 ± 0.7 N•m (69 ± 6 lbf•in)	9 ± 1 N•m (80 ± 9 lbf•in)

M6	7.5 ± 1 N•m (66 ± 9 lbf•in)	10 ± 2 N•m (89 ± 18 lbf•in)	12.8 ± 2.2 N•m (113 ± 19 lbf•in)	16 ± 2 N•m (142 ± 18 lbf•in)
M8	15.3 ± 1.7 N•m (135 ± 15 lbf•in)	24.5 ± 3.5 N•m (18 ± 3 lbf•ft)	31.5 ± 3.5 N•m (23 ± 3 lbf•ft)	40 ± 5 N•m (30 ± 4 lbf•ft)
M10	29 ± 3 N•m (21 ± 2 lbf•ft)	48 ± 6 N•m (35 ± 4 lbf•ft)	61 ± 9 N•m (45 ± 7 lbf•ft)	73 ± 7 N•m (54 ± 5 lbf•ft)
M12	52 ± 6 N•m (38 ± 4 lbf•ft)	85 ± 10 N•m (63 ± 7 lbf•ft)	105 ± 15 N•m (77 ± 11 lbf•ft)	128 ± 17 N•m (94 ± 13 lbf•ft)
M14	85 ± 10 N•m (63 ± 7 lbf•ft)	135 ± 15 N•m (100 ± 11 lbf•ft)	170 ± 20 N•m (125 ± 15 lbf•ft)	200 ± 25 N•m (148 ± 18 lbf•ft)
M16	126 ± 14 N•m (93 ± 10 lbf•ft)	205 ± 25 N•m (151 ± 18 lbf•ft)	255 ± 30 N•m (188 ± 22 lbf•ft)	305 ± 35 N•m (225 ± 26 lbf•ft)
M18	170 ± 20 N•m (125 ± 15 lbf•ft)	273 ± 32 N•m (201 ± 24 lbf•ft)	330 ± 25 N•m (243 ± 18 lbf•ft)	413 ± 47 N•m (305 ± 35 lbf•ft)

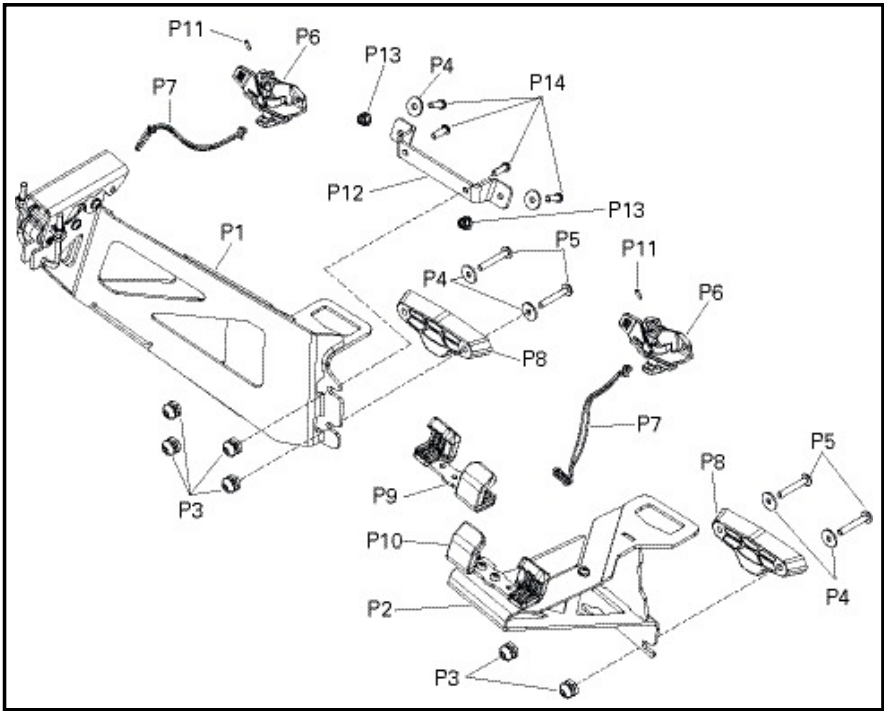
The illustrations in this document show typical construction of the different assemblies and may not reproduce the full detail or exact shape of the parts; however, they represent parts that have the same or similar function.

Installation time is approximately 0.5 hour.

REQUIRED TOOLS

Required Tool			Use
T1	Drill bit 6.5 mm (1/4 in)		To drill mounting holes
T2	Center punch		To mark hole location

PARTS TO BE INSTALLED

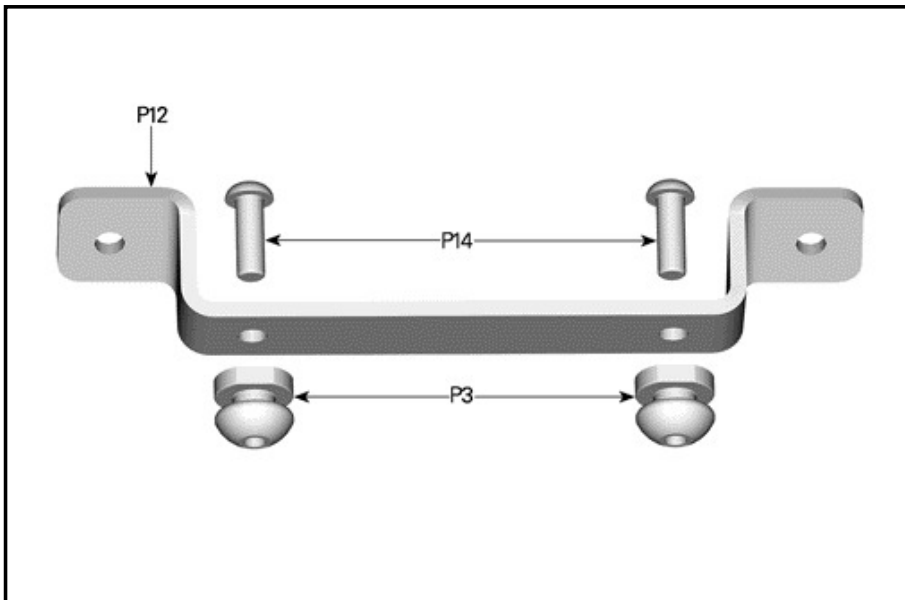


ITEM	DESCRIPTION	Part number	QTY
P1	Rear Accessory Support	Not available separately	1
P2	Front Accessory Support	Not available separately	1
P3	Retainer Rod	520001980	6
P4	M6 Washer	Not available separately	6
P5	M6 x 40 Torx Truss Nylon Patch	250000780	4
P6	LinQ Attachment	Not available separately	2
P7	LinQ Rope	Not available separately	2
P8	Spacer	Not available separately	2
P9	RH Overmolded Lock Lever	520002031	1
P10	LH Overmolded Lock Lever	520002034	1
P11	M4 x 16 Socket Set Screw	Not available separately	2
P12	Spacer	Not available separately	1
P13	M6 Flanged Elastic Nut	233261466	2
P14	M6 x 18 Torx Nylon Patch Screw	250000536	4

INSTRUCTIONS

Preparation

Pre-assemble the spacer [P12], M6 x 18 Torx nylon patch screw [P14] and retainer rod [P3]. Tighten to specification.

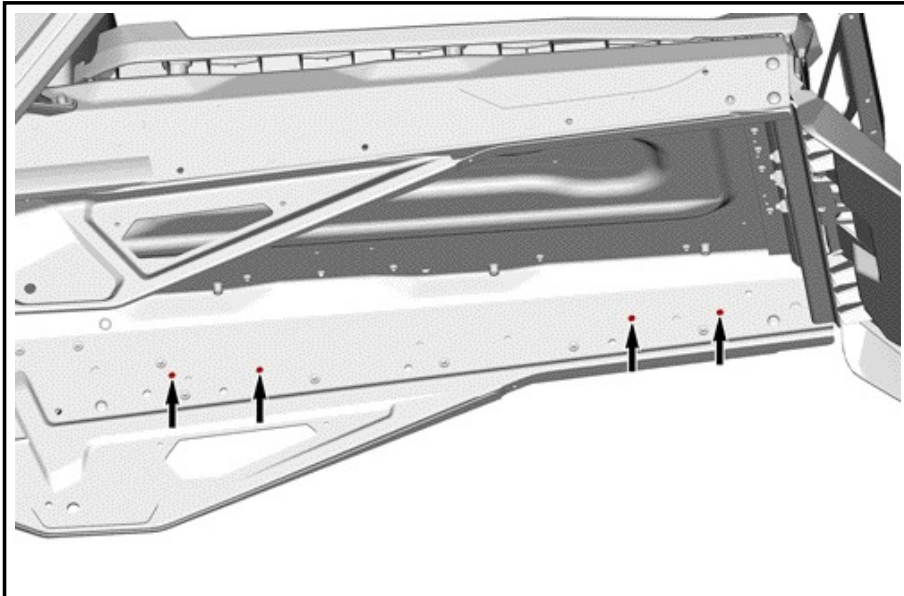


tightening torque	
M6 x 18 Torx nylon patch screw	$10 \pm 2 \text{ N}\cdot\text{m}$ ($89 \pm 18 \text{ lbf}\cdot\text{in}$)

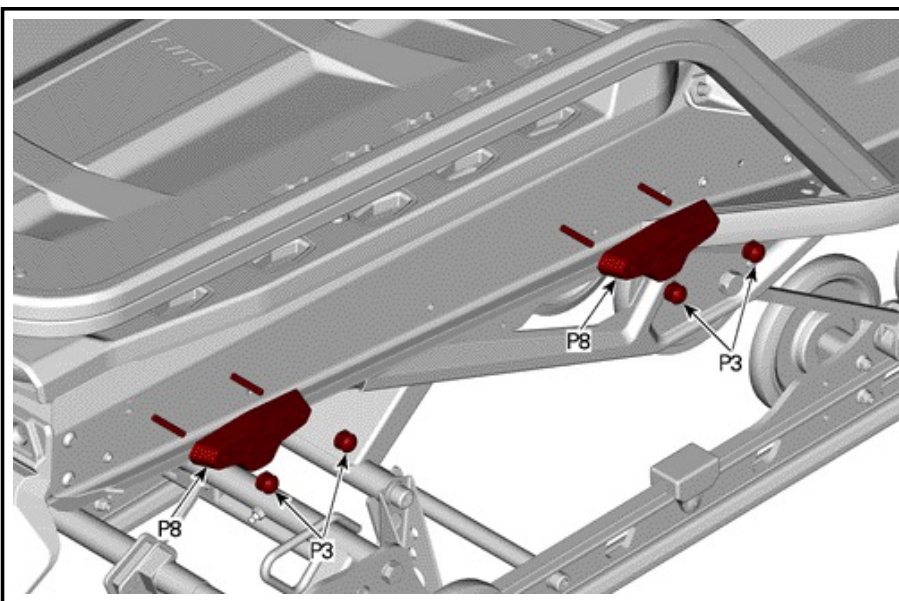
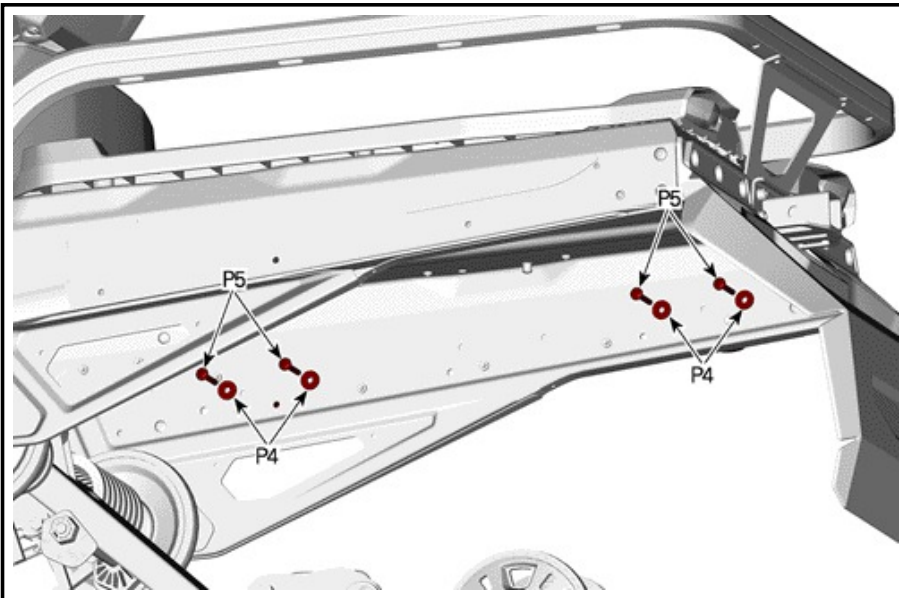
Part Installation

Models without bumper

1. Drill four holes as shown using a 6.5 mm (1/4 in) drill bit.



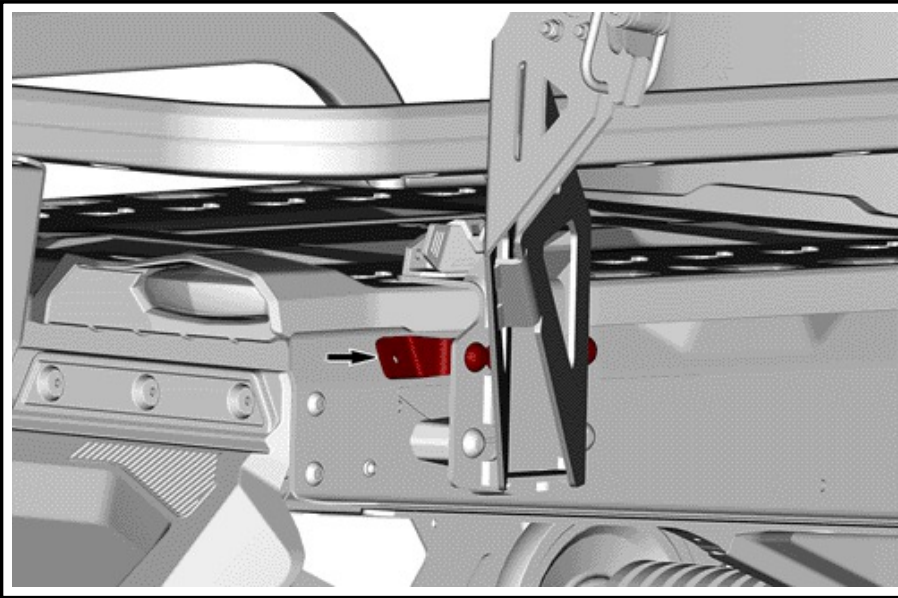
2. Install 2 spacers [P8], M6 x 40 Torx nylon patch screw [P5], washer [P4] and retainer rod [P3]. Tighten to specification.



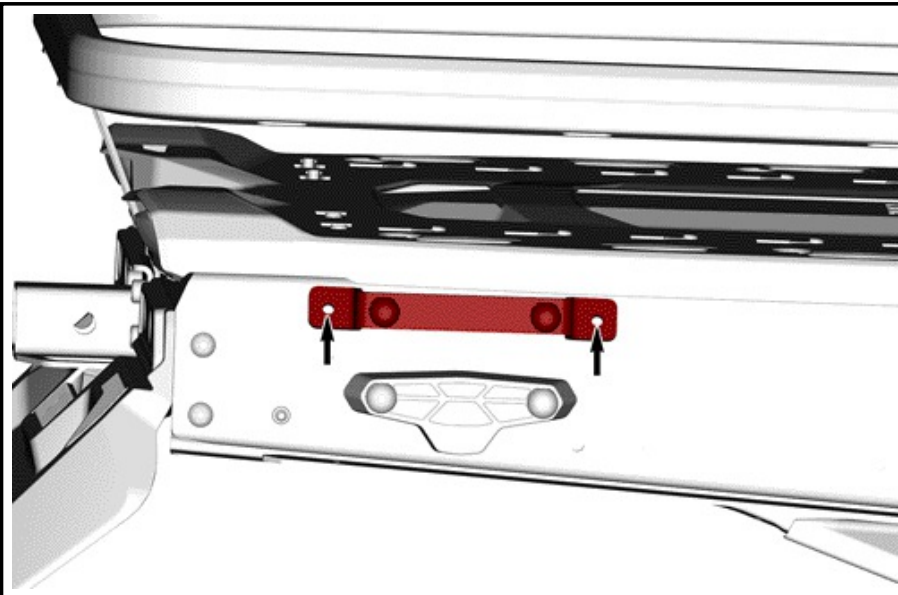
tightening torque	
M6 x 40 Torx nylon patch screw	$10 \pm 2 \text{ N}\cdot\text{m}$ ($89 \pm 18 \text{ lbf}\cdot\text{in}$)

3. Install the previously assembled spacer [P12] on the accessory support [P1] and install this assembly on the spacer [P8] and secure with a LinQ attachment [P6].

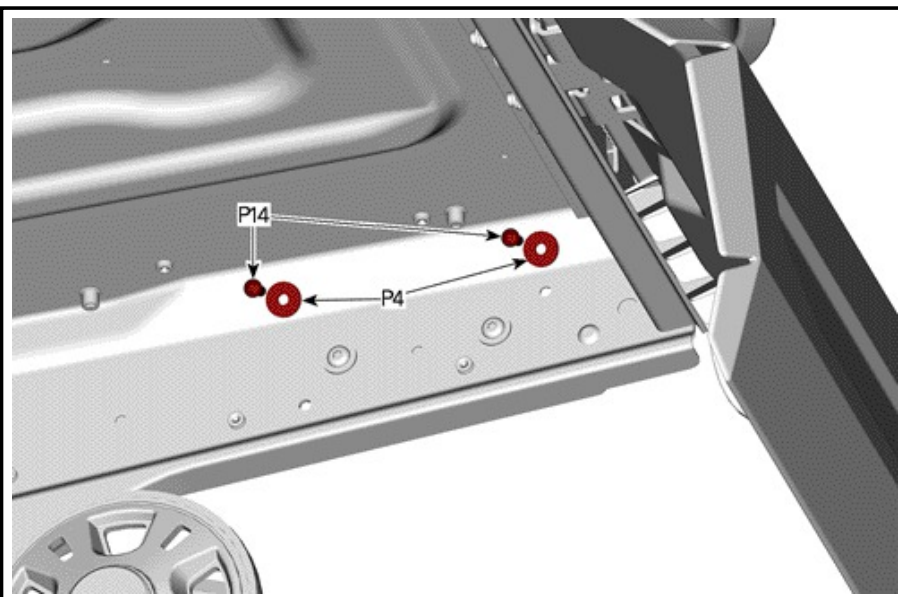
NOTE: Ensure to completely insert the retaining rods of the spacer [P12] in the support [P1].

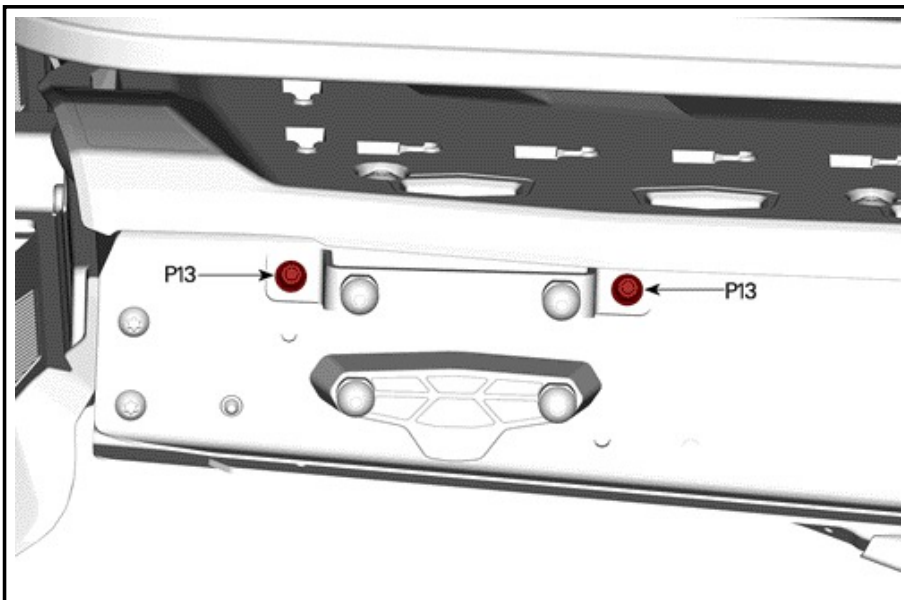


4. Using the spacer as a template, drill 2 holes using a 6.5 mm (1/4 in) drill bit.



5. Secure the spacer with washer [P4], M6 x 18 Torx nylon patch screws [P14] and nuts [P13]. Tighten to specification.

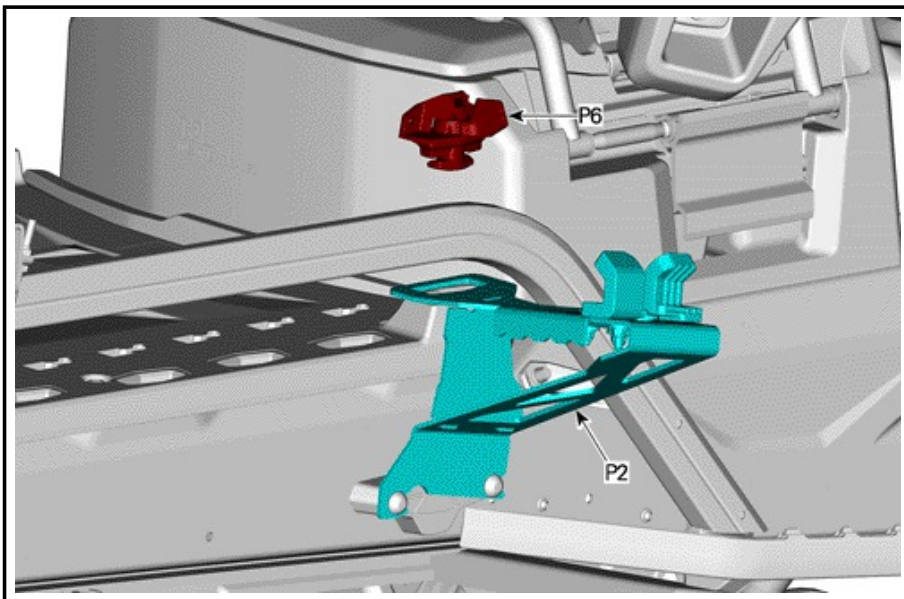


**tightening torque**

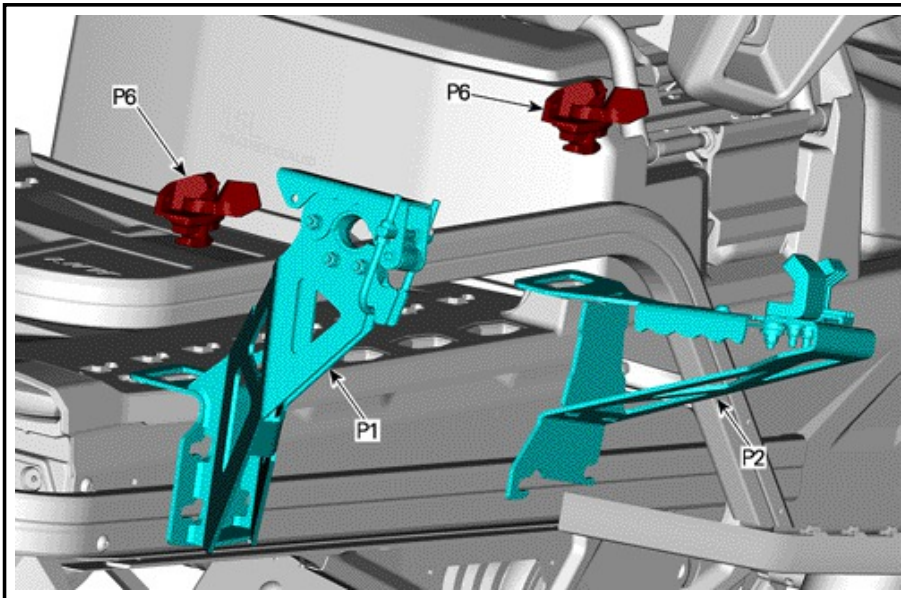
M6 x 40 Torx nylon patch screw

 $10 \pm 2 \text{ N}\cdot\text{m}$ ($89 \pm 18 \text{ lbf}\cdot\text{in}$)

6. Slide the front accessory support [P2] over the retainer rod at the front position and secure using a LinQ attachment [P6].

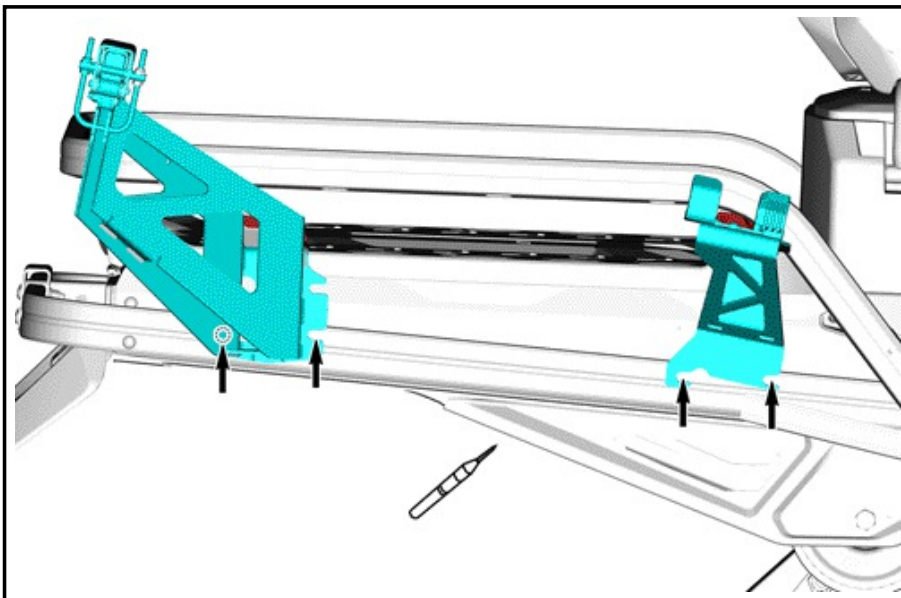
**Models with accessory heavy-duty rear bumper (860201795)**

1. Install front accessory support [P2] and rear accessory support [P1]. Secure using 2 LinQ attachment [P6].

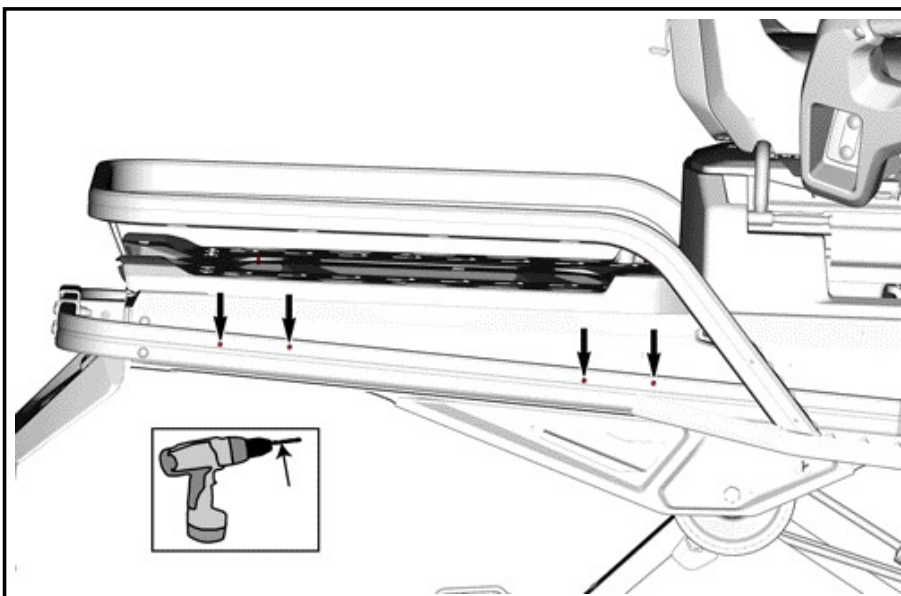


2. Using a center punch, mark the centers of each slot.

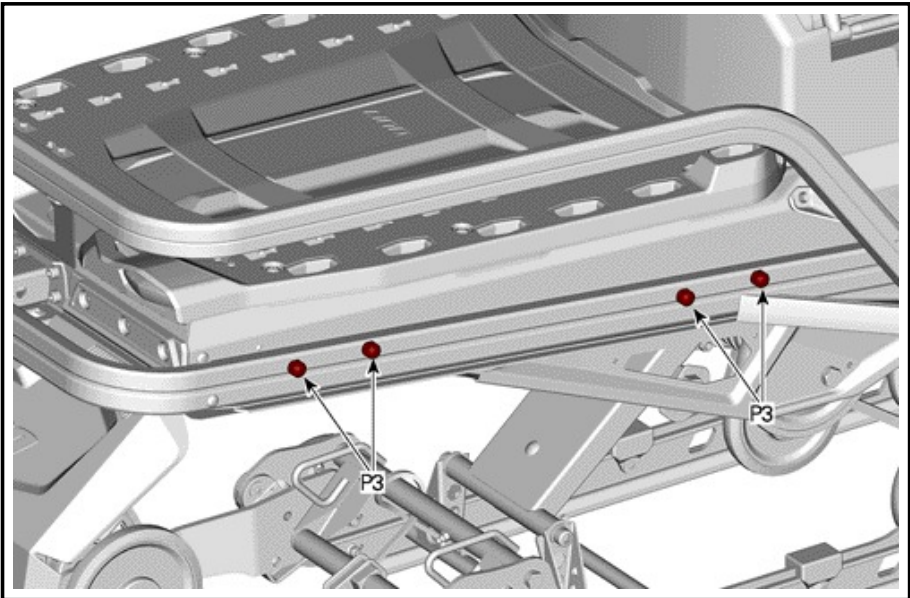
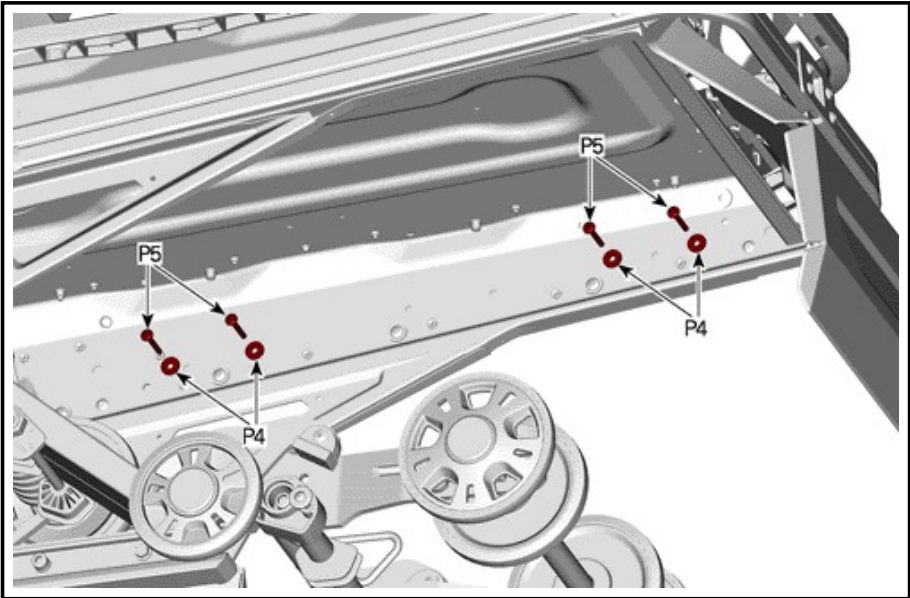
NOTE: Mark center hole to punch at the right place.



3. Remove accessory supports and drill holes using a 6.5 mm (1/4 in) drill bit.



4. Install retainer rod [P3] using M6 x 40 Torx nylon patch screw [P5] and washers [P4]. Tighten to specification.

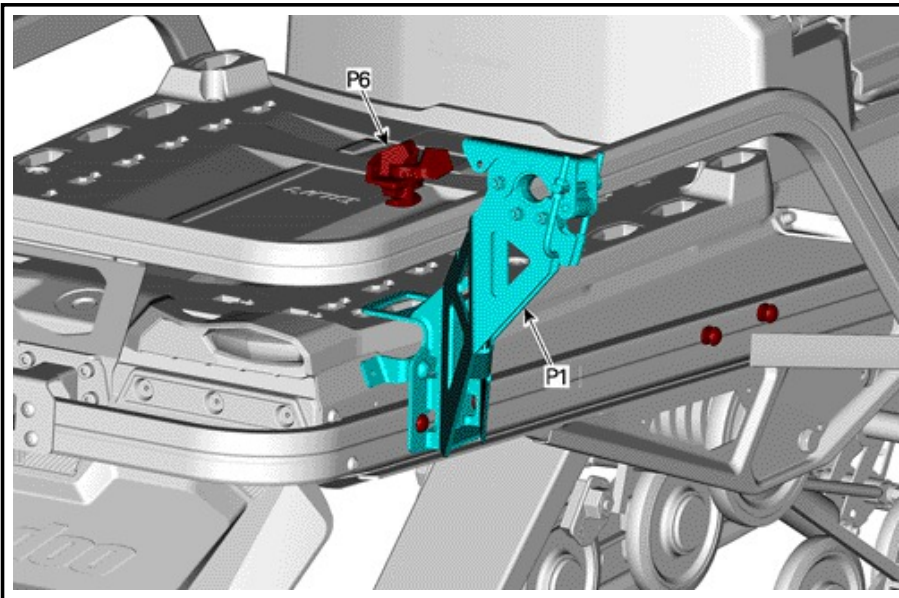


tightening torque	
M6 x 40 Torx nylon patch screw	10 ± 2 N•m (89 ± 18 lbf•in)

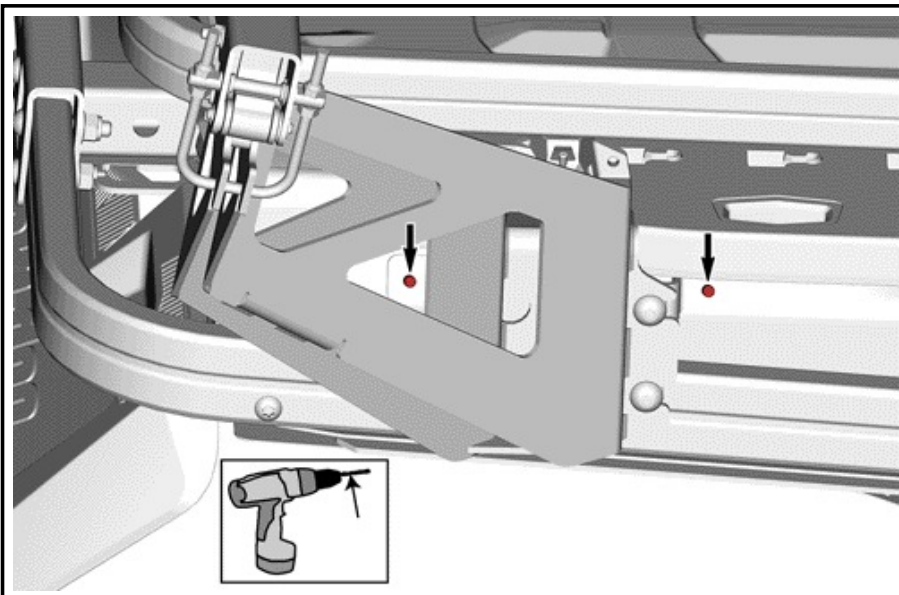
5. Install the previously assembled spacer [P12] under the support [P1].

NOTE: Ensure to completely insert the retaining rods of the spacer [P12] in the support [P1].

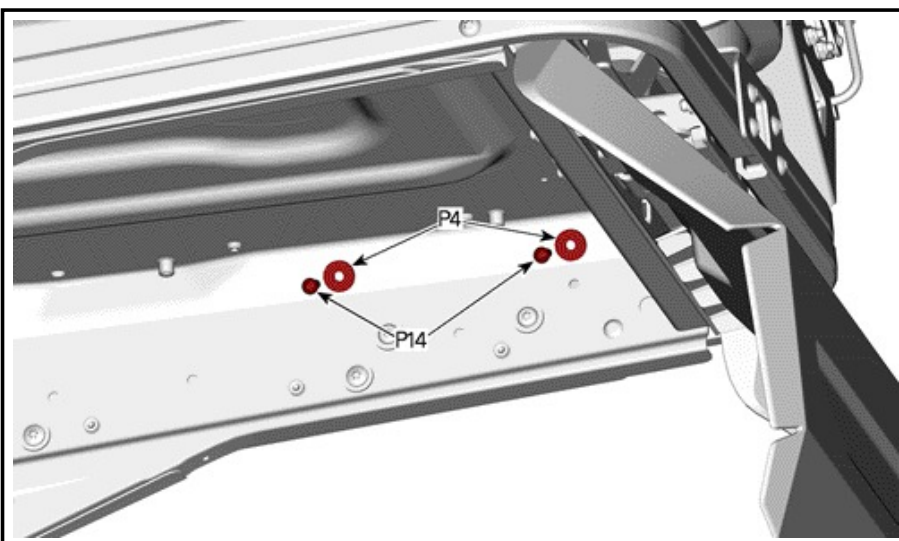
6. Slide the assembled support [P1] over the retainer rod at the rear position and secure with a LinQ attachment [P6].

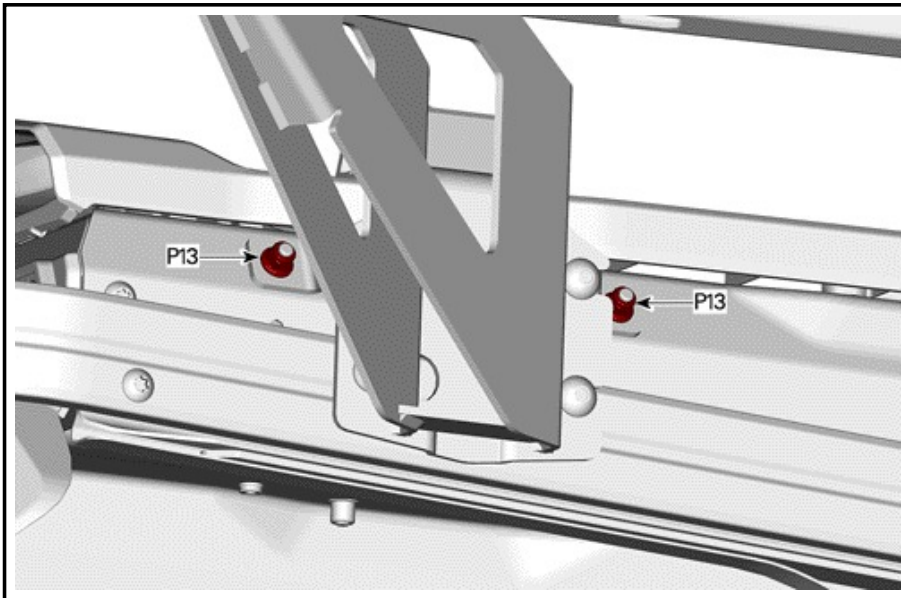


7. Using the spacer as a template, drill 2 holes using a 6.5 mm (1/4 in) drill bit.



8. Secure the spacer with washer [P4], M6 x 18 Torx nylon patch screws [P14] and nuts [P13]. Tighten to specification.

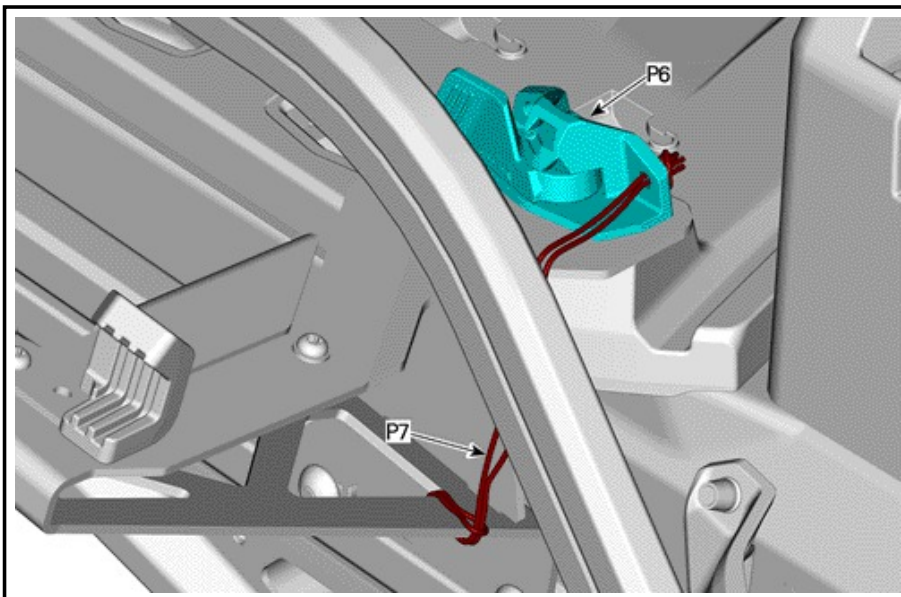


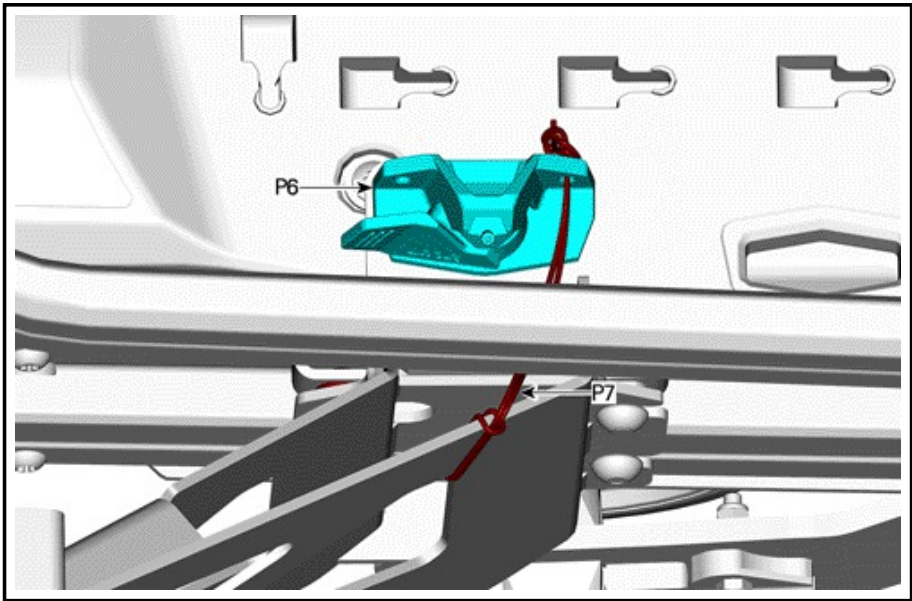


tightening torque	
M6 x 40 Torx nylon patch screw	$10 \pm 2 \text{ N}\cdot\text{m}$ ($89 \pm 18 \text{ lbf}\cdot\text{in}$)

All Models

Install the LinQ ropes [P7].





ADJUSTMENT

Some adjustments are required depending on the ice auger.

Rear Support

From the factory, the clamp is adjusted for a 25 mm (1 in) shaft.

The rear support can receive a shaft diameter from 19 to 31 mm (3/4 to 1-1/4 in).

To adjust for other diameters, unlock the nuts of the U-bolt and adjust according to the shaft diameter. Refer to the following table for adjustment.

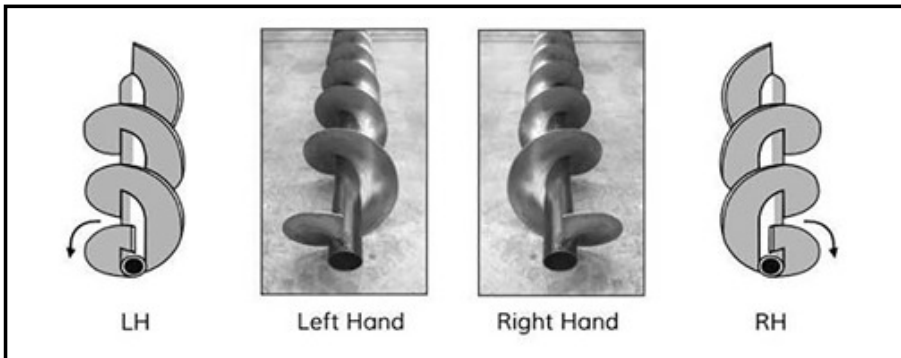
19 mm (3/4 in) shaft diameter	25 mm (1 in) shaft diameter	31 mm (1-1/4 in) shaft diameter

NOTE: After the adjustment, validate that the rubber is slightly compressed and keeps the shaft from moving.

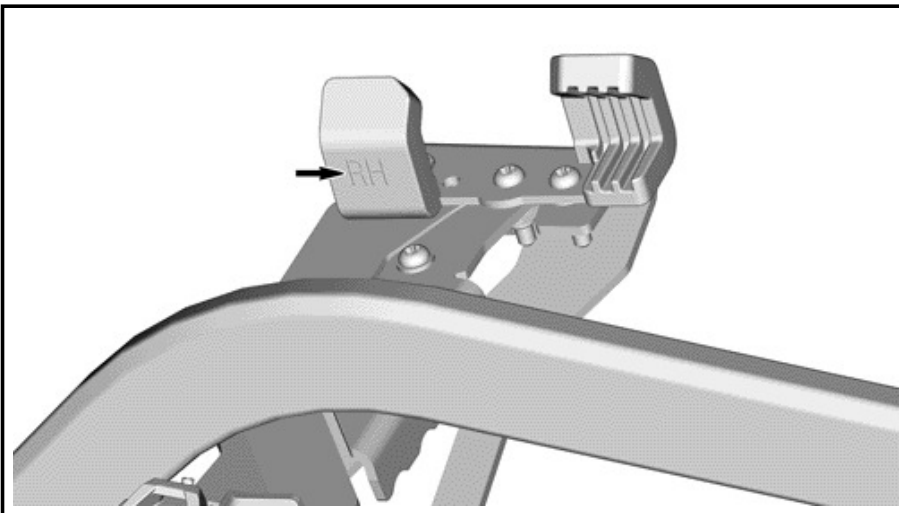


Front Support

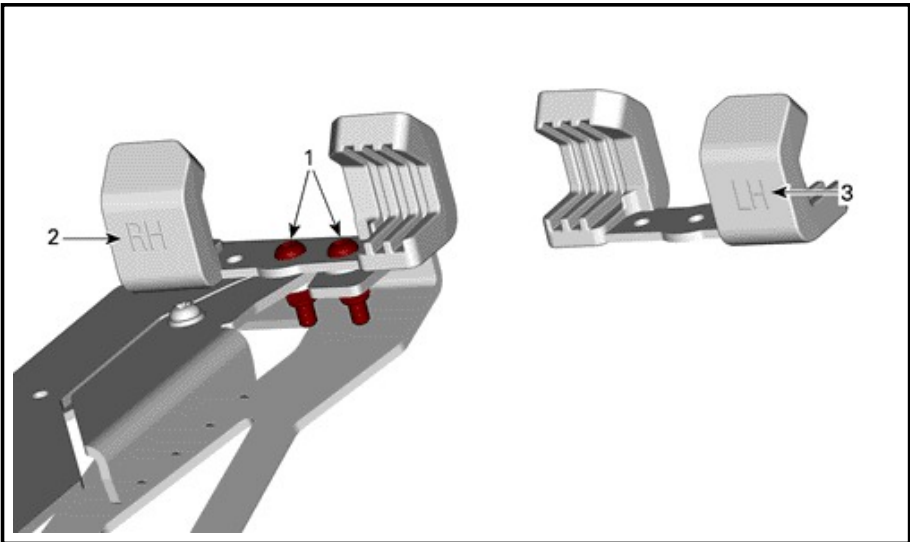
Identify if the auger is LH or RH.



From the factory, the clamp is adjusted for a RH pitch with a shaft diameter 25 to 31 mm (1 to 1-1/4 in).



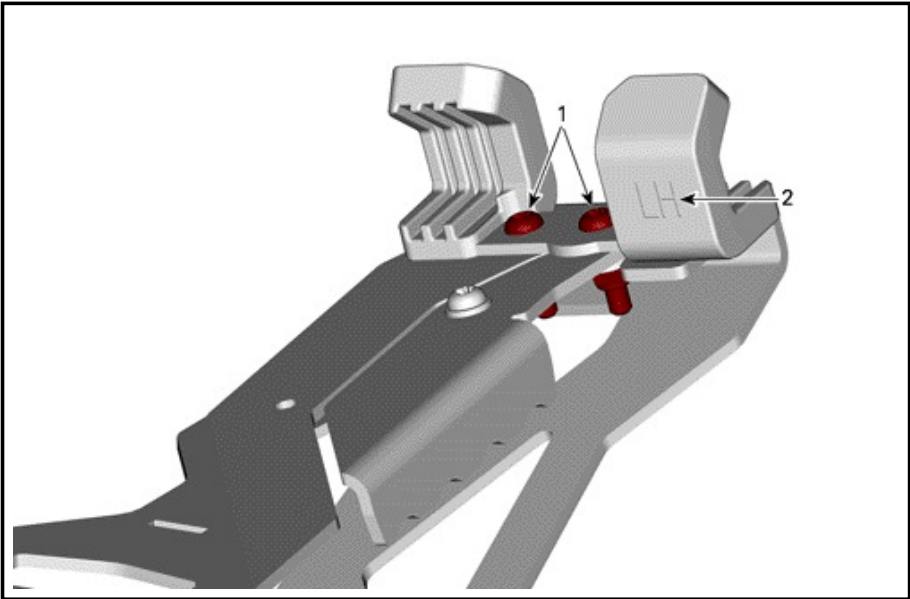
To install a shaft diameter 19 to 25 mm (3/4 to in), remove the two mounting screws and turn the clamp 180°. Re-install the two mounting screws and tighten to specification. This procedure is for LH and RH augers.



1. Mounting screws
2. RH overmolded lock lever [P9]
3. LH overmolded lock lever [P10]

tightening torque	
Mounting screw	2.5 ± 0.5 N•m (22 ± 4 lbf•in)

In the case the pitch of the auger is LH, substitute the RH overmolded lock lever [P9] with the LH [P10] and install the mounting screws as shown.

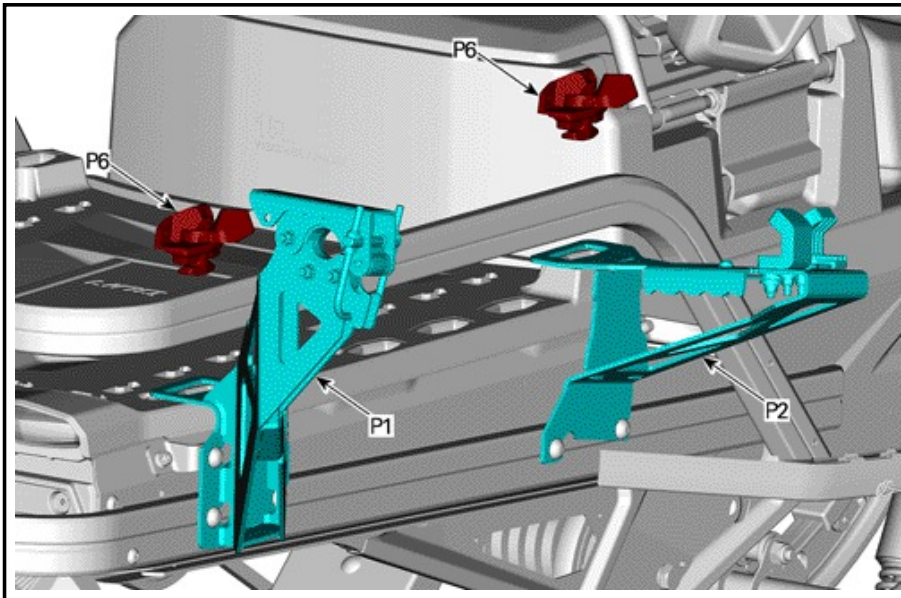


1. Mounting screws
2. LH overmolded lock lever [P10]

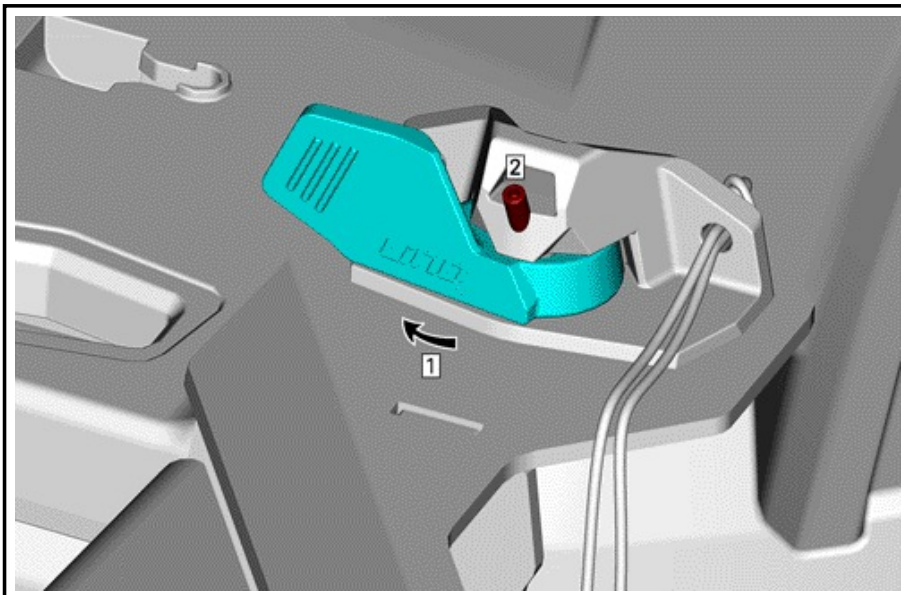
OPERATION

⚠CAUTION: Lower your speed when transporting an ice auger.

1. Install front and rear supports ([P2] and [P1]) by sliding over the retainer rods and secure with LinQ attachment [P6].



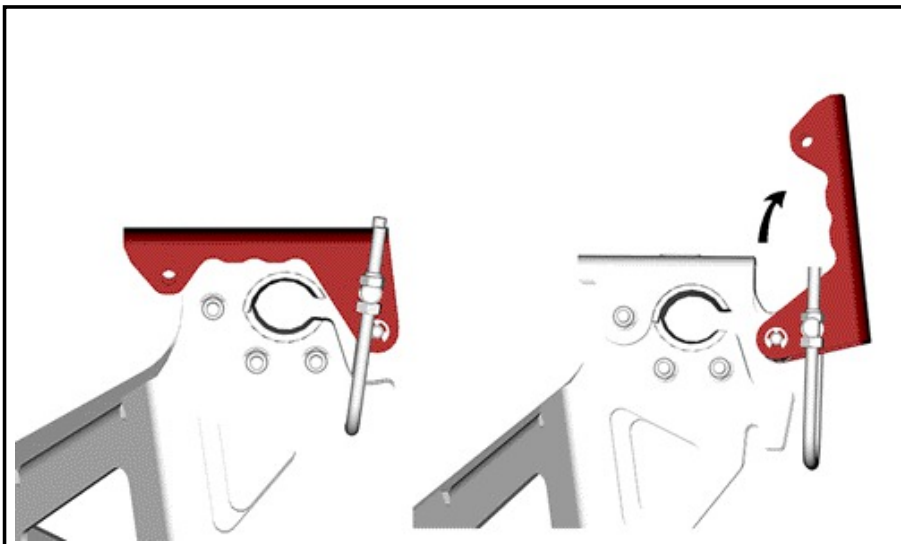
2. Lock LinQ attachment [P6] and secure with the set screw [P11].

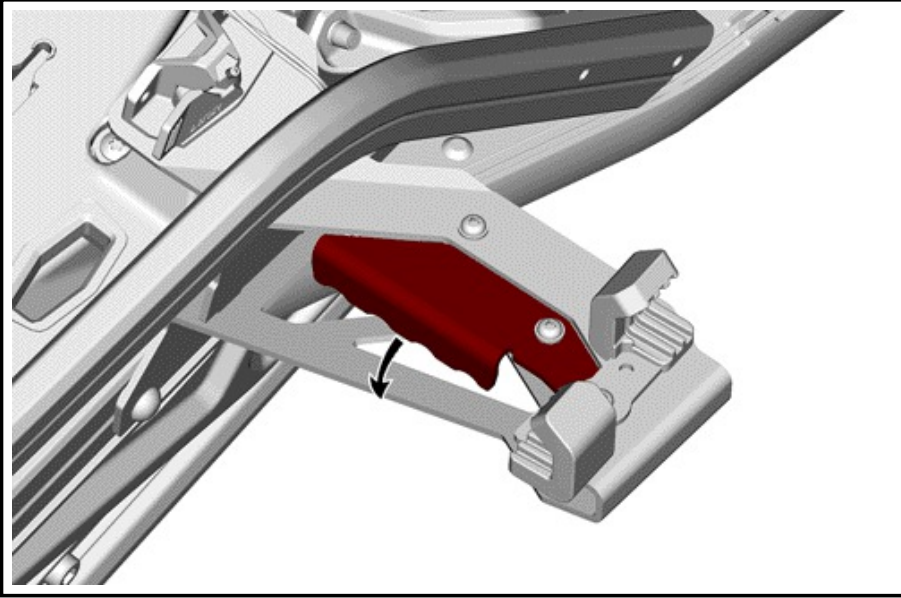


Step 1.: Lock LinQ [P6]

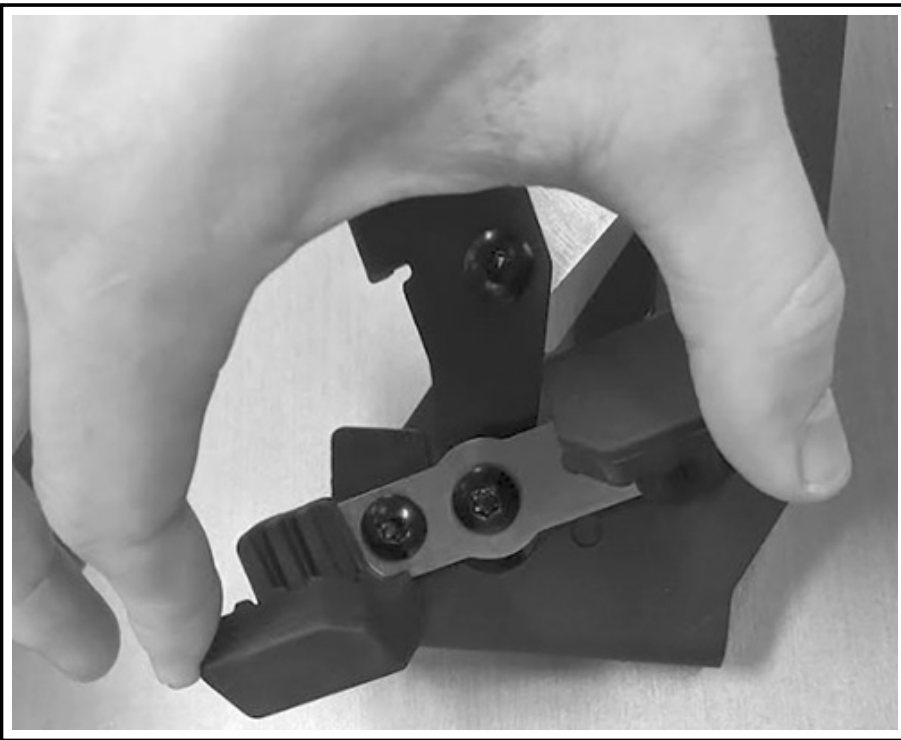
Step 2.: Secure with the set screw [P11]

3. Open rear and front support clamps.





Depending of the size of the tube of the ice auger, you may need to complete the rotation by hand to allow you more space once you've rotated the handle.



4. Lower auger in place.

5. Close both clamps.

NOTE: A correctly adjusted clamp will look like the following illustration when closed.



NOTICE Using a suitable locking device, secure the rear clamp.

