

SSV KIT - Gear Rail Kit

Part number (SKU) : 715003703

Product:

Project no:

Instruction Sheet P/N:

Revision no:

Revision date:

Item covered:

Side-by-side

487802180

487802180

Gear Rail Kit

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.

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

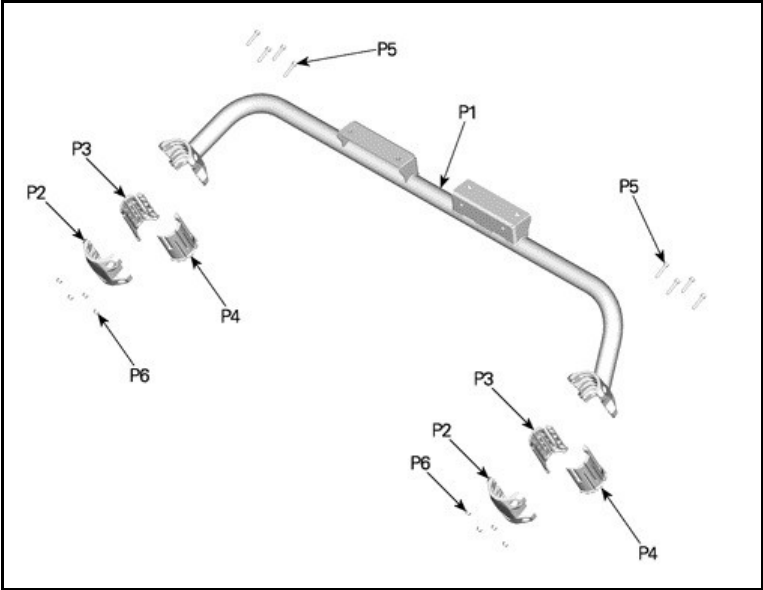
	GRADE			
	5.8	8.8	10.9	12.9
M4	1.8 ± 0.2 N•m (16 ± 2 lbf•in)	2.8 ± 0.2 N•m (25 ± 2 lbf•in)	3.8 ± 0.2 N•m (34 ± 2 lbf•in)	4.5 ± 0.5 N•m (40 ± 4 lbf•in)
M5	3.3 ± 0.2 N•m (29 ± 2 lbf•in)	5 ± 0.5 N•m (44 ± 4 lbf•in)	7.8 ± 0.7 N•m (69 ± 6 lbf•in)	9 ± 1 N•m (80 ± 9 lbf•in)
M6	7.5 ± 1 N•m (66 ± 9 lbf•in)	10 ± 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.

In the pictures below, parts may have been removed for clarity purposes.

Installation time is approximately 0.25 hour.

PARTS TO BE INSTALLED

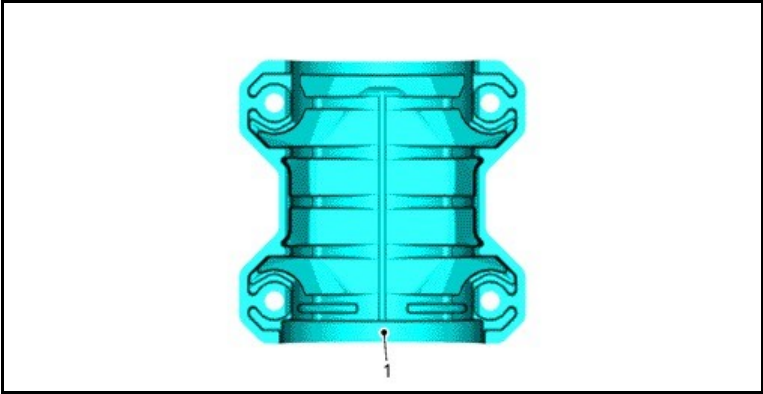


ITEM	DESCRIPTION		Part number	QTY
P1	Gear Rail		705012288	1
P2	Clamp		705206436	2
	Service Kit		715004766	1
	P3	Collar #1	Not available separately	2
	P4	Collar #2	Not available separately	2
P5	M6x30 Socket Head Screw		205063044	8
P6	M6 Elastic Hexagonal Nut		232561494	8

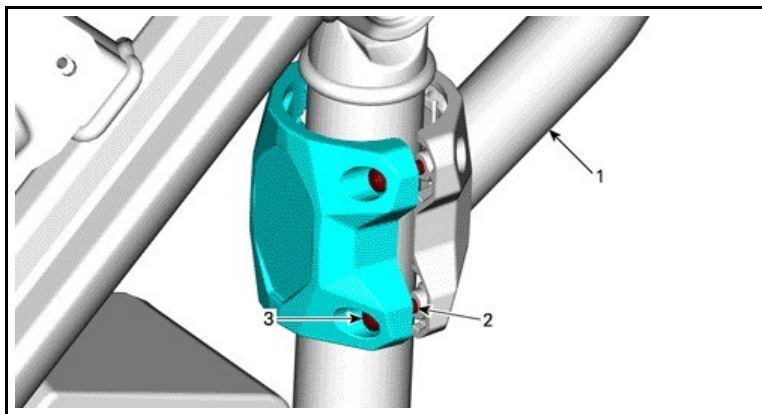
INSTRUCTIONS

Part Installation

Assemble the Gear Rail [P1] with the Clamp [P2] using two (2) M6x30 Socket Head Screw [P5] and two (2) M6 Elastic Hexagonal Nut [P6] on the pillar. Make sure not to tighten screws yet in order to leave enough space to slide the collars in and make sure the clamp's recesses are on the same side.



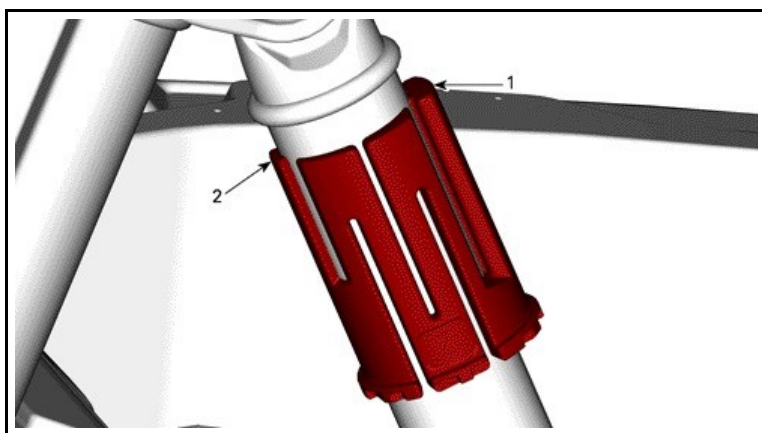
1. Clamp [P2] recess



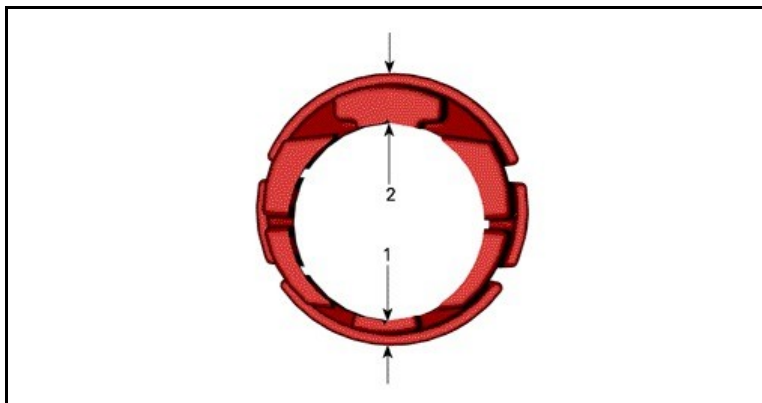
- 1. Gear Rail [P1]
- 2. M6x30 Socket Head Screw [P5]
- 3. M6 Elastic Hexagonal Nut [P6]

Install the Collar #1 [P3] and the Collar #2 [P4] on the pillar. Tighten by hand so they hold on the pillar.

NOTE: Make sure to orient the wider portion of the collar towards the back of the vehicle (as shown).

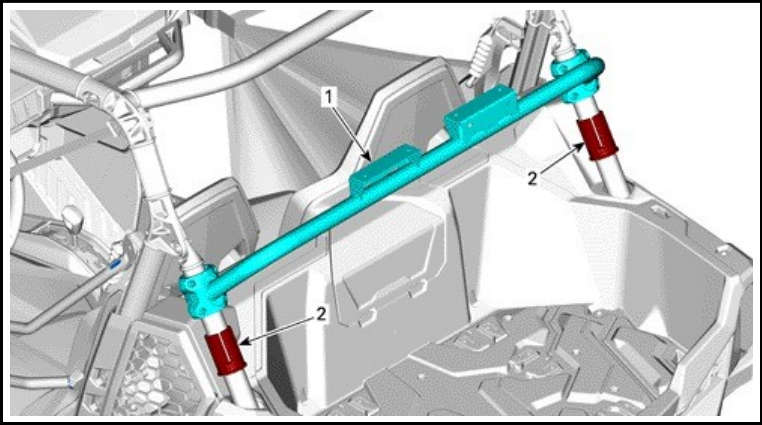


- 1. Wider section
- 2. Thinner section



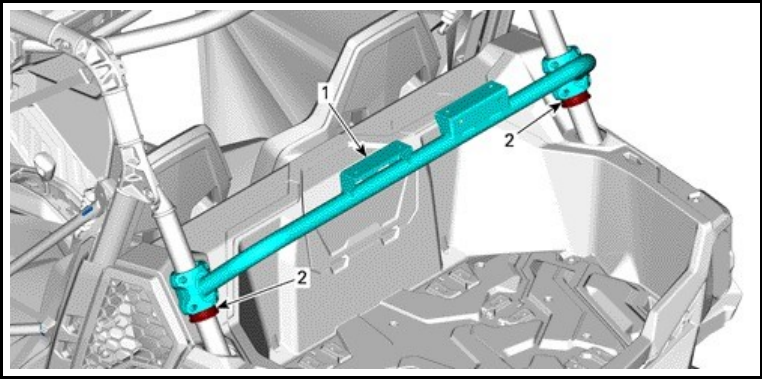
- 1. Wider section
- 2. Thinner section

Position the collar under the gear rail. Make sure they are at the same desired height on the pillar. Turn Collar Ass'y on each side of vehicle until it sits perfectly in clamp location. The off-center sleeve is design to take center-to-centre dimension tolerance



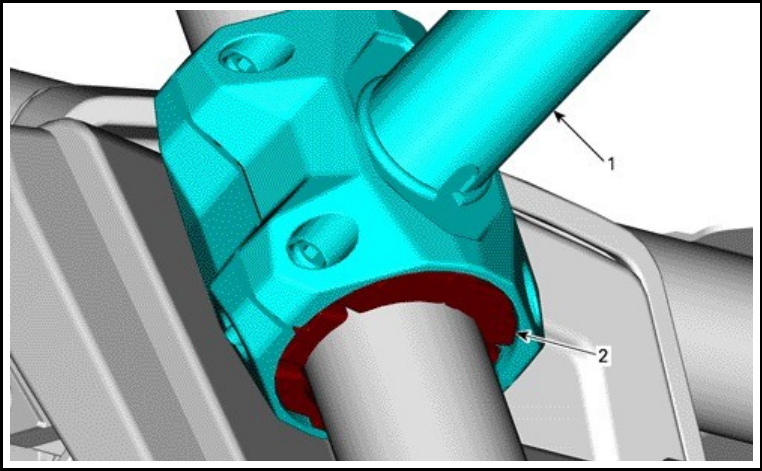
1. Gear Rail [P1]
2. Collar Ass'y

Lower the Gear Rail [P1] on the Collar Ass'y.



1. Gear Rail [P1]
2. Collar Ass'y

Push on the Gear Rail [P1] so it completely sits on the Collar Ass'y.



1. Gear Rail [P1]
2. Collar Ass'y

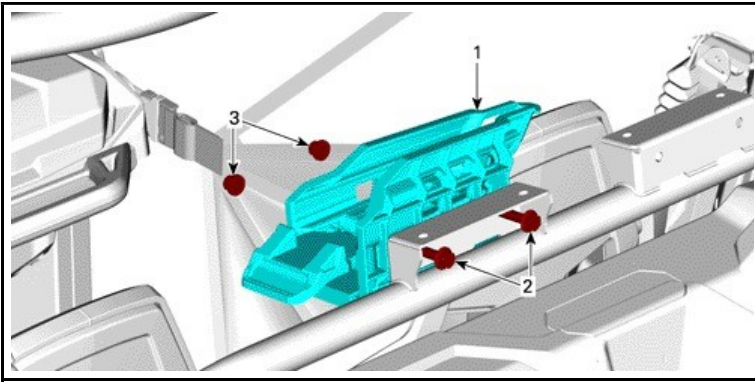
NOTICE Install the rail at the lowest position possible to keep the center of gravity as low as possible. Ensure that gunboots or other accessory are not higher than the vehicle's roof. Adapt driving.

It is still possible to adjust the height of the Gear Rail if it is not at the desired location. Once done, tighten all screws.

Tightening torque	
M6x30 Socket Head Screw [P5]	10 ± 2 N•m (89 ± 18 lbf•in)

Gun Boot Installation

Install the Gun Boot Latch on the Gear Rail [P1] with two (2) M10 screws and two (2) M10 nuts. Tighten them.

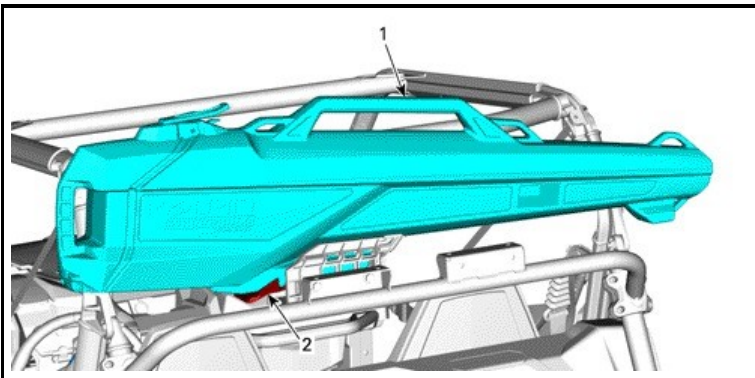


1. Gun Boot Latch
2. M10 Screw
3. M10 Nut

Tightening torque	
M10 Screw	$18 \pm 3 \text{ N}\cdot\text{m}$ ($159 \pm 27 \text{ lbf}\cdot\text{in}$)

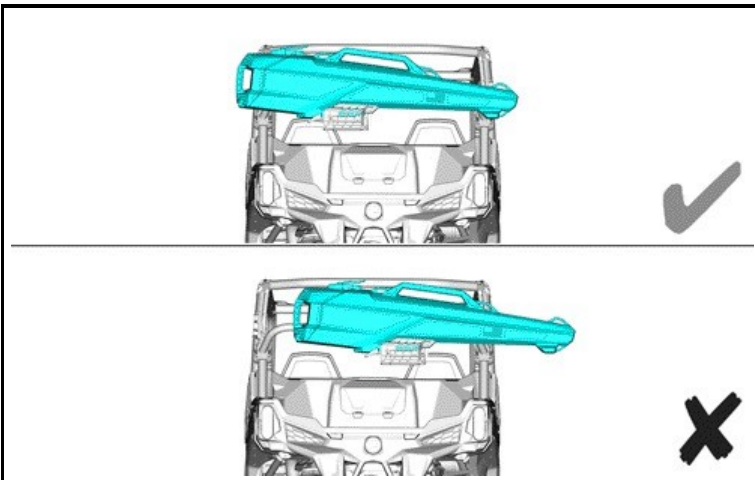
Slide the Gun Boot in the latch to secure it.

To remove the Gun Boot, pull on the release tab.



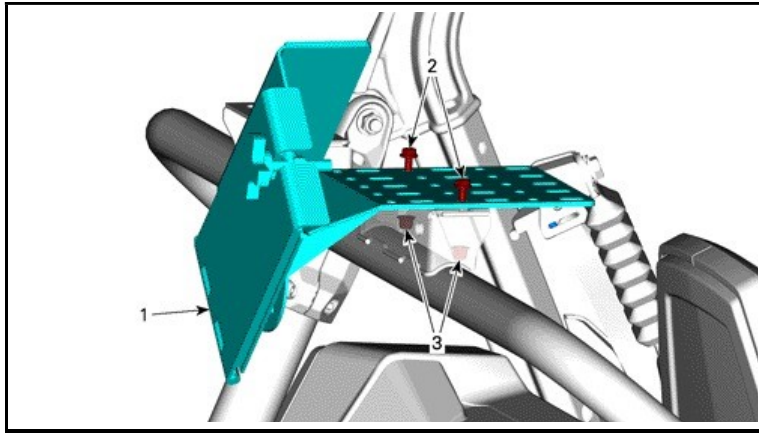
1. Gun Boot
2. Release tab

Make sure to install the Gun Boot on the proper side of the Gear Rail [P1] so it is centered.



Saw Press Installation

Install the Saw Press Support on the Gear Rail [P1] with two (2) M10 screws and two (2) M10 nuts. Tighten them.

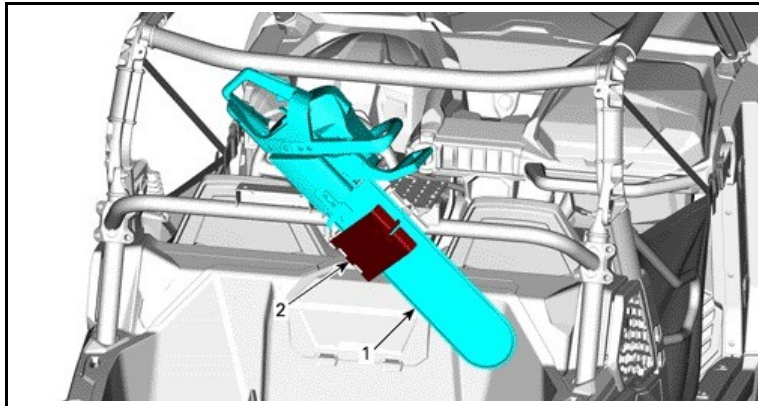


- 1. Saw Press Support
- 2. M10 Screw
- 3. M10 Nut

Tightening torque	
M10 Screw	$18 \pm 3 \text{ N}\cdot\text{m}$ ($159 \pm 27 \text{ lbf}\cdot\text{in}$)

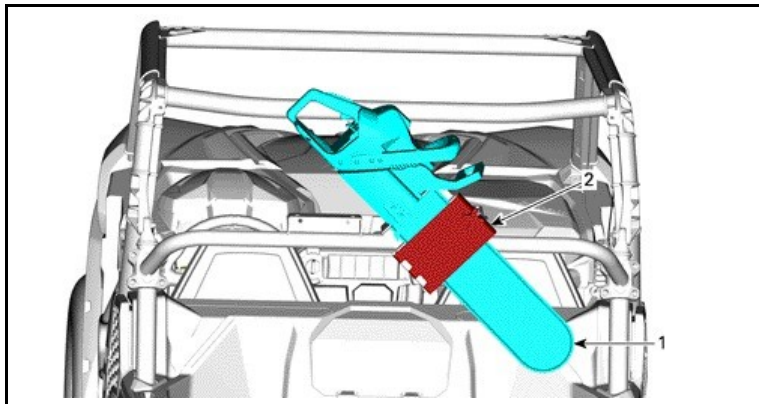
Open the Saw Press Support.

Place the Saw Press with its protector inside the Saw Press Support.



- 1. Saw Press with its protector
- 2. Saw Press Support

Close the Support while holding the Saw Press in place to secure it.



- 1. Saw Press with its protector
- 2. Saw Press Support

NOTICE Adapt driving when carrying accessories on the gear rail. Avoid rough terrain that creates big movements of the gunboot or saw press.