SSV KIT - Trail Front Bumper

Product:	**Side-by-side**
Project no:	**487803994**
Instruction Sheet P/N:	**487803994**
Revision no:	
Revision date:	
Item covered:	**Trail Front Bumper**

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.
- 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.

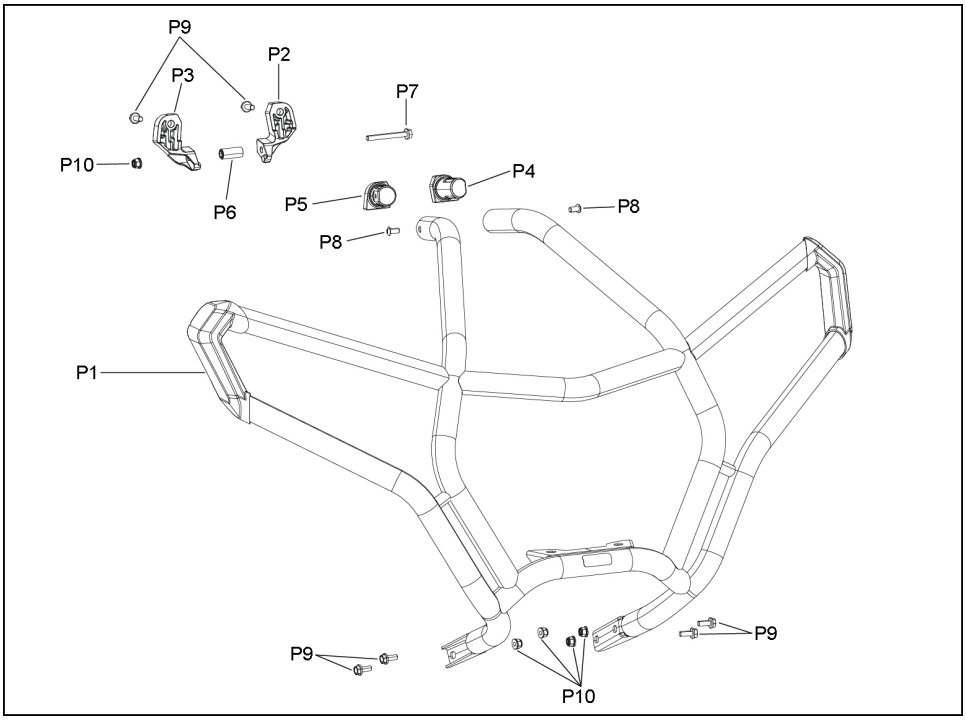
	GRADE			
	5.8	8.8	10.9	12.9

M4	1.8 ± 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)

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.

Installation time is approximately **0.5** hours.

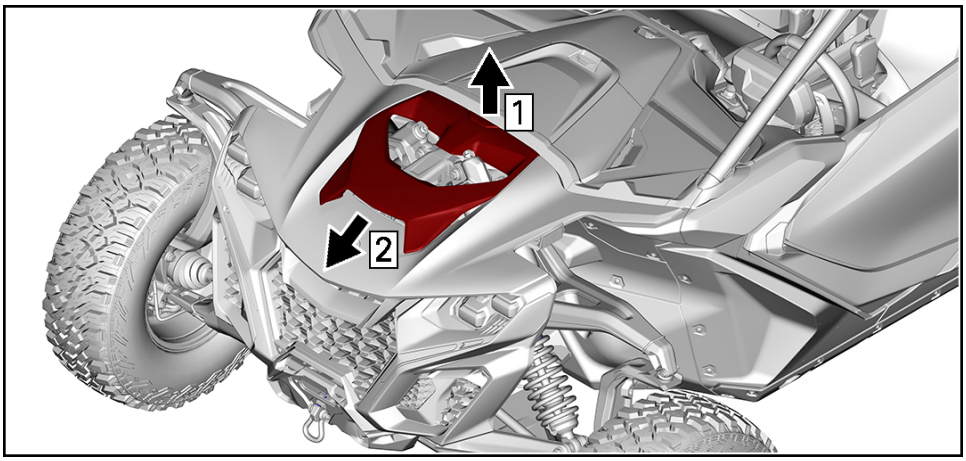
PARTS TO BE INSTALLED



ITEM	DESCRIPTION	PART NUMBER	QTY
P1	Bumper	Not available separately	1
P2	LH Lower Clamp	705211013	1
P3	RH Lower Clamp	705211344	1
P4	LH Upper Clamp	705211009	1
P5	RH Upper Clamp	705211010	1
P6	Spacer	705211082	1
P7	M8 X 70 Hex. Flanged Screw	207687044	1
P8	M8 X 16 S.Grip Button Head Torx Screw	250000751	2
P9	M8 X 20 S.Grip Hex. Flanged Screw	207582054	6
P10	M8 Elastic Flanged Nut	233281466	5
P11	English Notice Label Bumper (Not shown)	704907408	1
P12	Pictogram Notice Label Bumper (Not shown)	704907763	1

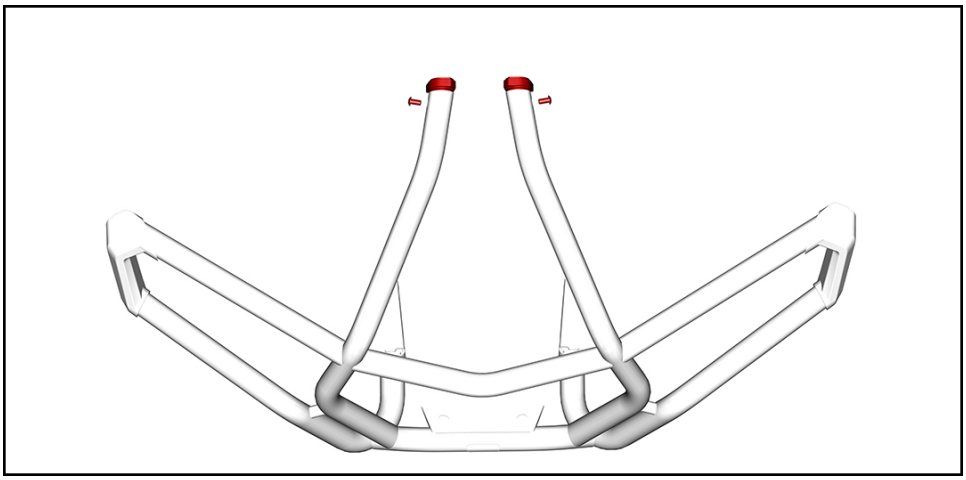
VEHICLE PREPARATION

Remove the hood by lifting the rear portion then sliding it forwards.



PARTS PREPARATION

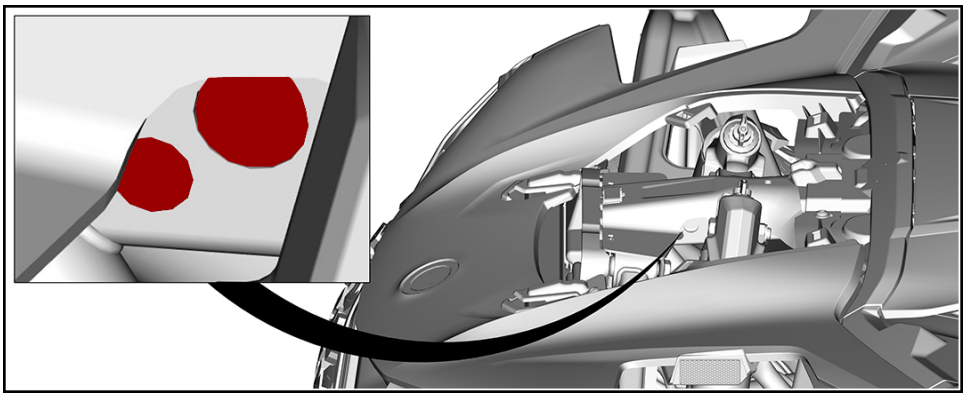
Insert LH and RH upper clamps [P4] and [P5] on bumper [P1] then secure using two M8 X 16 s.grip button head Torx screws [P8]. Do not tighten yet.

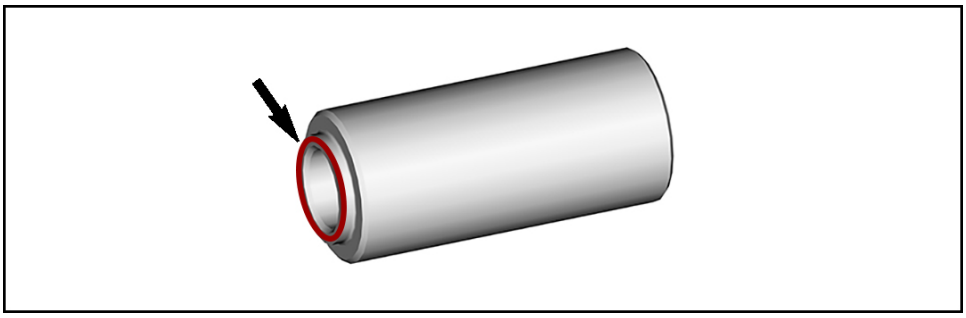


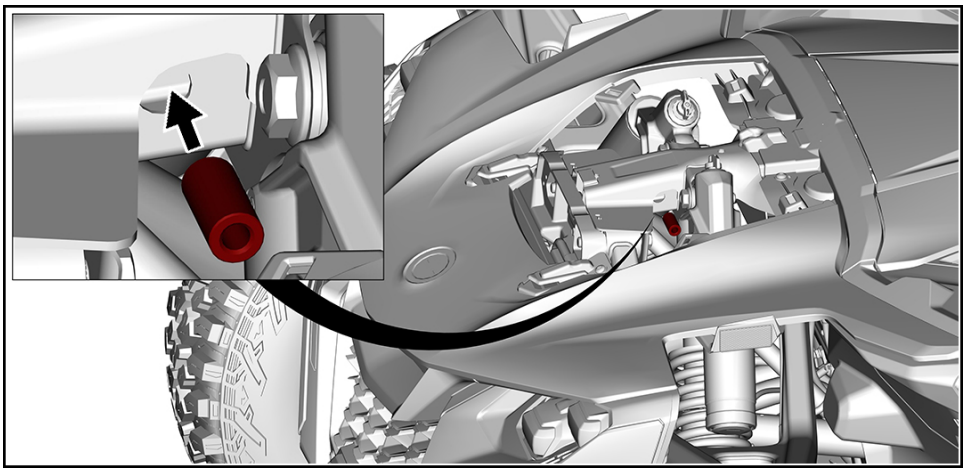
INSTALLATION INSTRUCTIONS

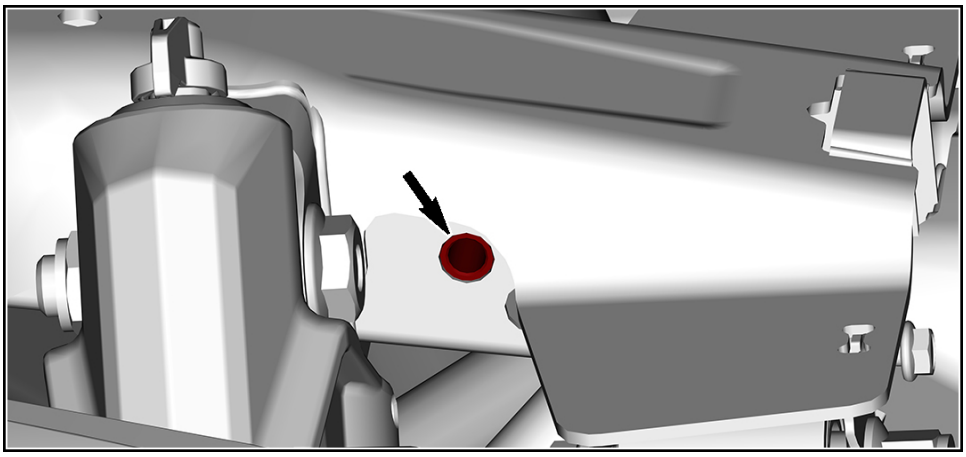
1. Locate the 2 holes in the chassis between the two front shock absorbers.

The larger hole is for inserting spacer [P6]. The locating protrusion is guided from the right side of the chassis (insert from the left side towards the right).

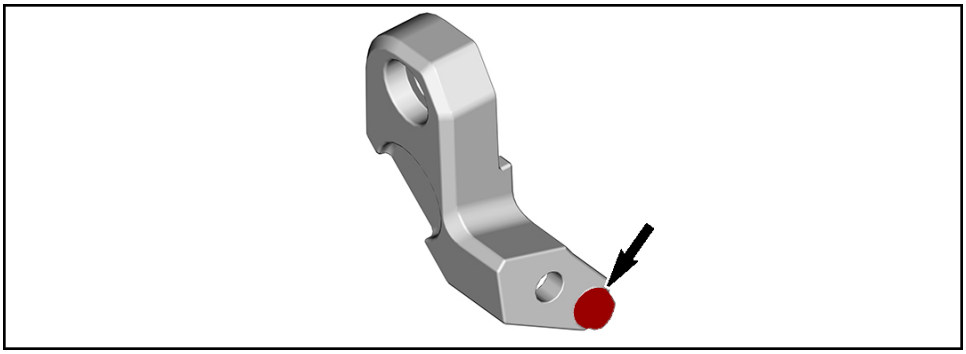


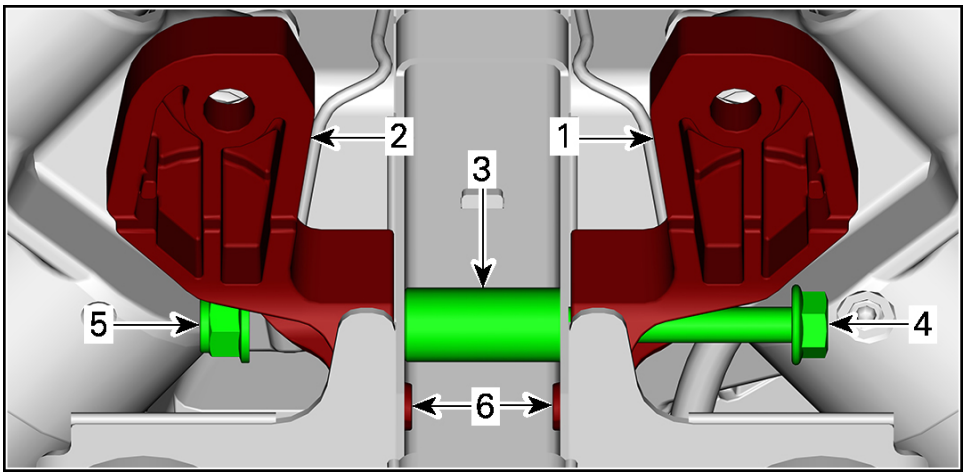






2. Take the two LH and RH lower clamps [P2] and [P3], the M8 X 70 hex. flanged screw [P7] and one M8 elastic flanged nut [P10]. The locating protrusion of the lower clamps fits into the small holes lower than the sleeve. Engage the screw with the nut on each side through the sleeve. Do not tighten yet.

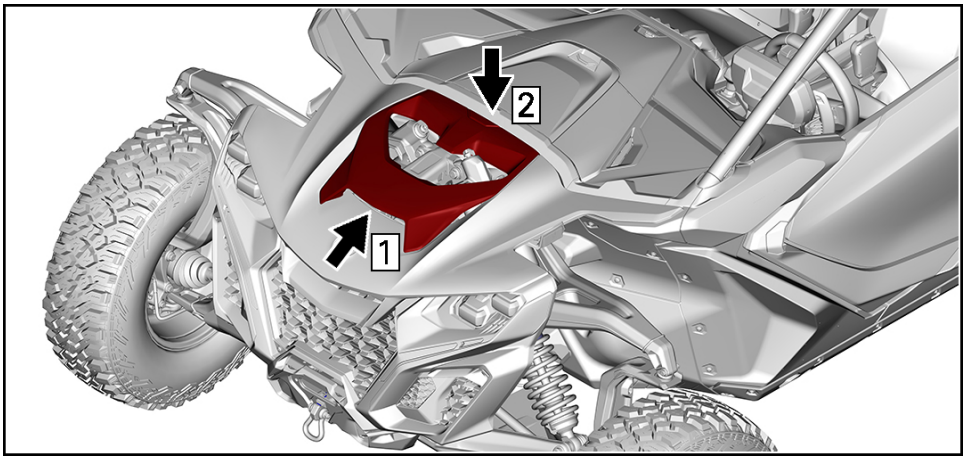




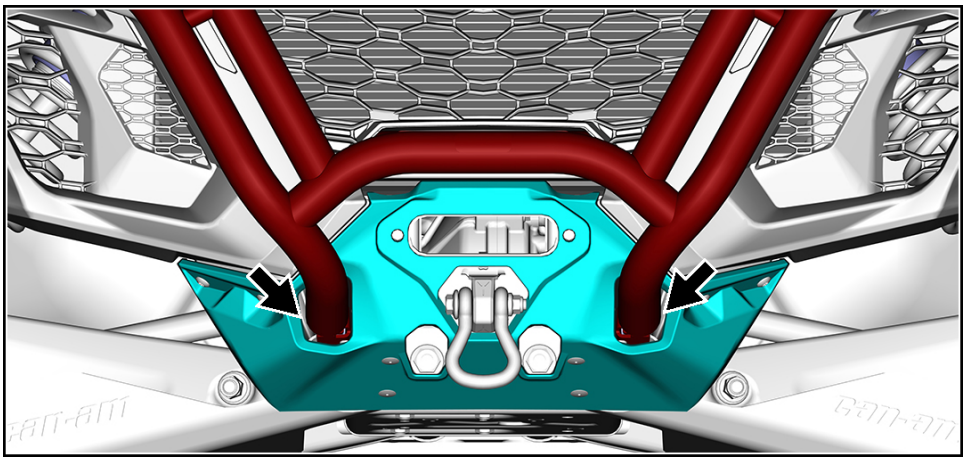
1. *LH Lower Clamp [P2]*
2. *RH Lower Clamp [P3]*
3. *Spacer [P6]*
4. *M8 X 70 Hex. Flanged Screw [P7]*
5. *M8 Elastic Flanged Nut [P10]*

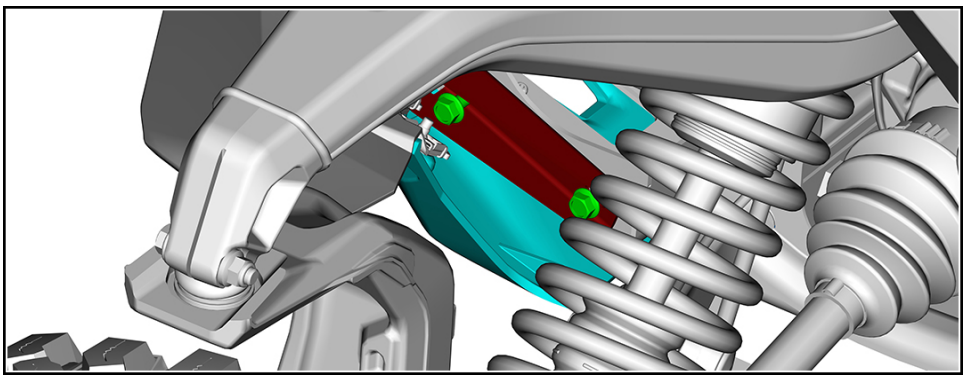
6. *Locating Protrusions of the Clamps*

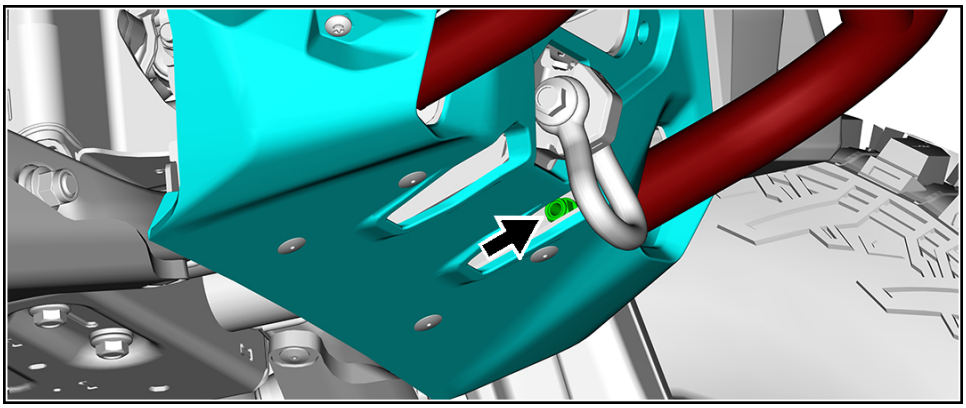
3. Reinstall hood on vehicle by sliding it rearwards and inserting the rear portion by pushing it down.



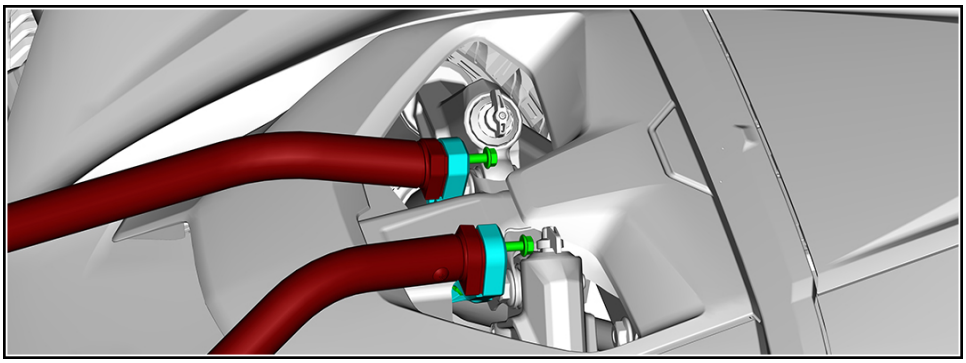
4. Insert the bottom of the bumper into the holes in the skid plate. Secure using four M8 X 20 s.grip hex. flanged screws [P9] and four M8 elastic flanged nuts [P10]. Insert screws from the sides and the rear nuts from the side. The front nuts through the skid plate holes. Do not tighten yet.





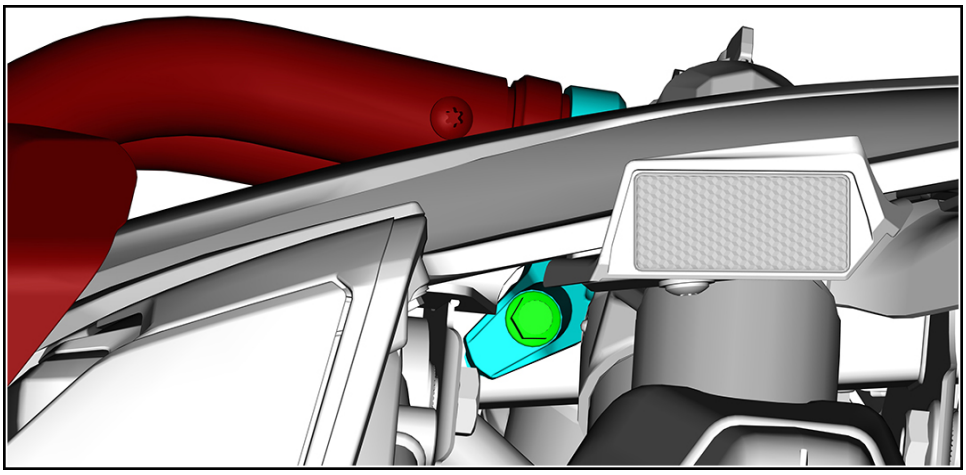


5. Secure the lower clamps to the bumper ass'y using two M8 X 20 s.grip hex. flanged screws [P9]. Do not tighten yet.

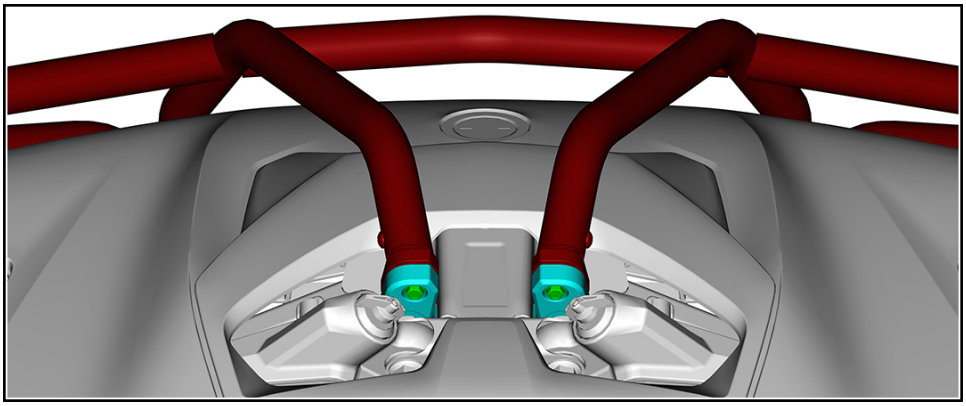


6. Tighten all screws and nut to specification.

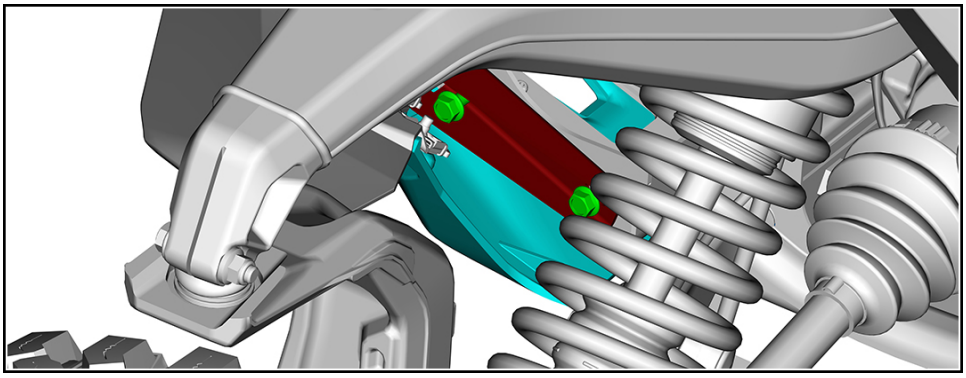
TIGHTENING TORQUE	
M8 X 70 Hex. Flanged Screw [P7] (qty 1)	24.5 ± 3.5 N•m (217 ± 31 lbf•ft)
M8 X 20 S.Grip Hex. Flanged Screw [P9] (qty 6)	24.5 ± 3.5 N•m (217 ± 31 lbf•ft)
M8 X 16 S.Grip Button Head Torx Screw [P8] (qty 2)	24.5 ± 3.5 N•m (217 ± 31 lbf•ft)



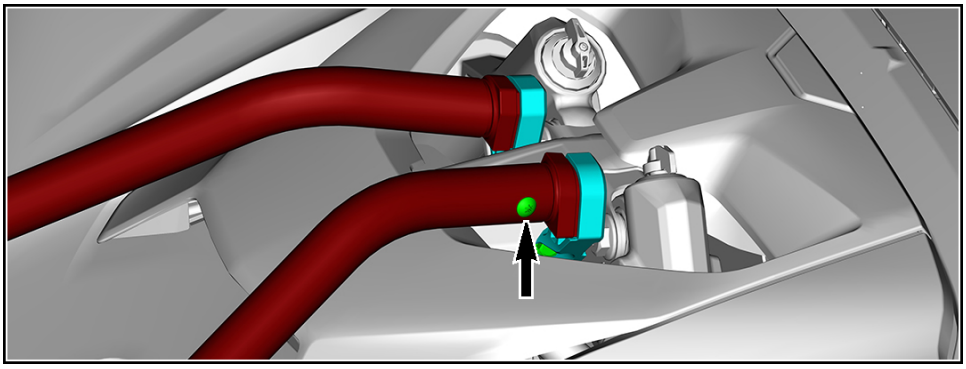
M8 X 70 Hex. Flanged Screw [P7]



M8 X 20 S.Grip Hex. Flanged Screw [P9]



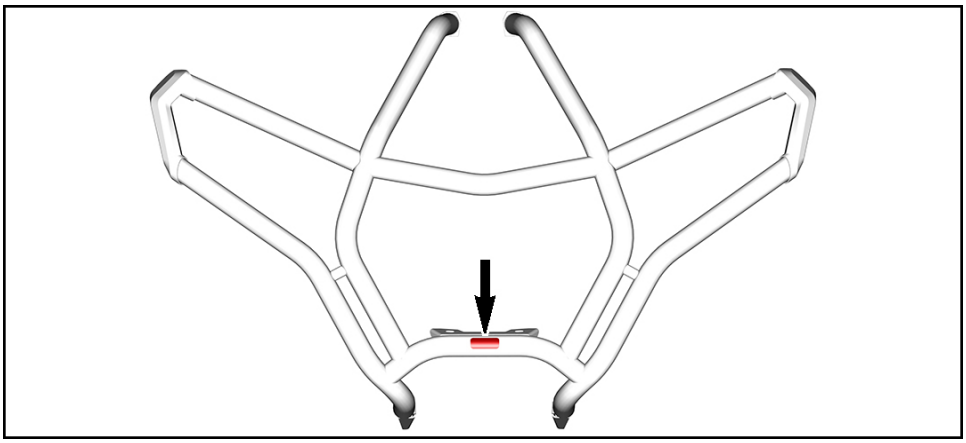
M8 X 20 S.Grip Hex. Flanged Screw [P9]



M8 X 16 S.Grip Button Head Torx Screw [P8]

LABEL

This product comes with the following label containing important information.
The label should be considered a permanent part of this product. If the label comes off or becomes hard to read, please contact an authorized dealer for FREE OF CHARGE replacement.
Any person who intends to use this product should read and understand the information contained on the label before doing so.



LABEL POSITION

NOTICE NEVER attach here to pull a load.



A Pictogram label is available in the kit and must be installed in accordance with Market Regulation.



To install the Pictogram label, do the following:

- Clean the entire original label surface using isopropyl alcohol and dry thoroughly.
- Carefully install the Pictogram label OVER the original label.