

TITAN™ HEAVY DUTY FRONT BUMPER KIT



P/N 2882794

APPLICATION

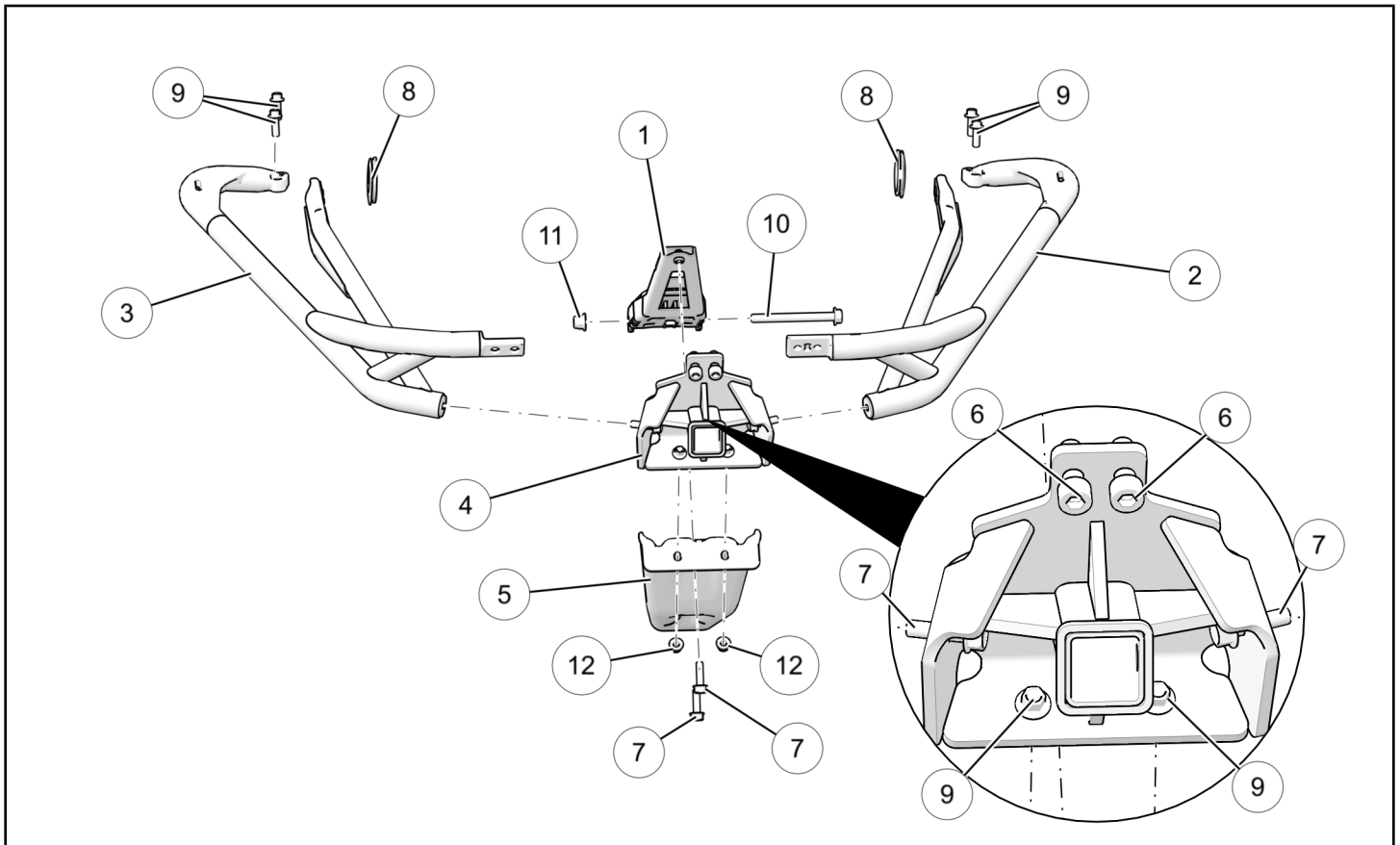
Verify accessory fitment at Polaris.com.

BEFORE YOU BEGIN

Read these instructions and check to be sure all parts and tools are accounted for. Please retain these installation instructions for future reference and parts ordering information.

KIT CONTENTS

This Kit includes:



REF	QTY	PART DESCRIPTION	PART NUMBER
1	1	HD Front Bumper Support	1023465
2	1	HD Front Bumper Tube - LH	1023466
3	1	HD Front Bumper Tube - RH	1023467
4	1	HD Front Bumper Hitch	1023468
5	1	HD Front Bumper Skid Plate	5264497
6	2	Internal Hex Bolt - M10 X 1.5 X 30	7519844
7	4	Hex Bolt - M8 X 1.25 X 30	7518884
8	2	Bumper Plug - Rubber	5416628

REF	QTY	PART DESCRIPTION	PART NUMBER
9	6	Hex Bolt - M8 X 1.25 X 25	7518569
10	1	Hex Bolt - M10 X 1.25 X 110	7521026
11	1	Nut - M10 X 1.25	7547333
12	2	Nut - M8 X 1.25	7547454
	1	Instructions	9927948

TOOLS REQUIRED

- Safety Glasses
- Breaker Bar
- Cutting Tool
- Drill
- Drill Bit: 3/16" and 1/2"
- Hex Key Set, Metric
- Pliers, Locking
- Pliers, Side Cutting
- Socket Set, Hex Bit, Metric
- Socket Set, Metric
- Socket Set, Torx® Bit
- Torque Wrench
- Wrench Set, Metric
- **Special Service Tool:**
Exhaust Spring Puller

IMPORTANT

Your Titan™ Heavy Duty Front Bumper Kit is exclusively designed for your vehicle. Please read the installation instructions thoroughly before beginning. Installation is easier if the vehicle is clean and free of debris. For your safety, and to ensure a satisfactory installation, perform all installation steps correctly in the sequence shown.

ASSEMBLY TIME

Approximately 90 minutes

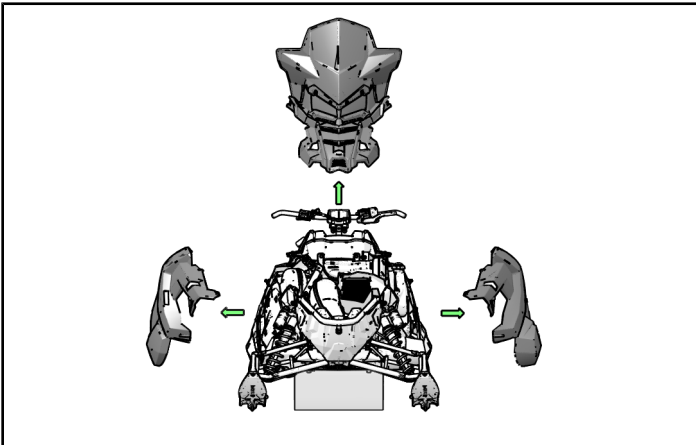
NOTE

Additional time may be required for optional steps, or to accommodate other installed accessories.

INSTALLATION INSTRUCTIONS

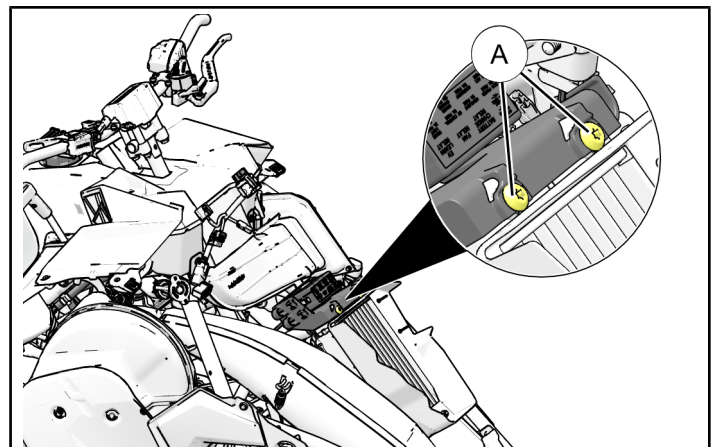
1. Gain access.

- Remove hood and side panels.



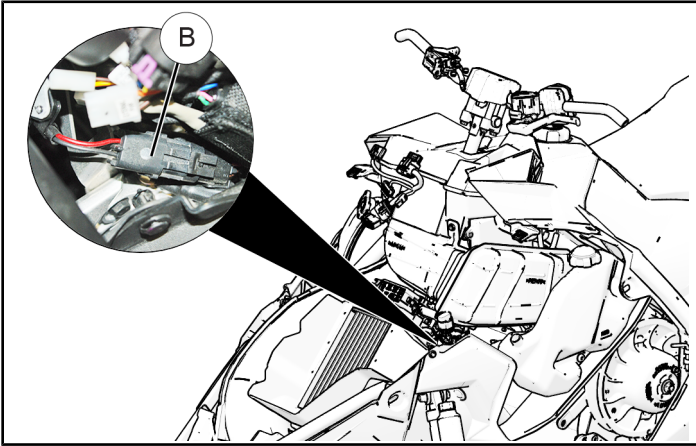
2. Relocate electrical relay box.

- Remove the two screws (A) that hold the electrical relay box to the mounting bracket. Move relay assembly to the side.

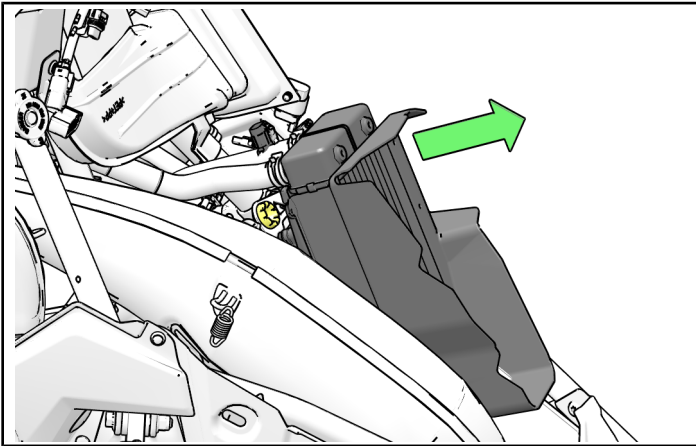


3. Relocate radiator.

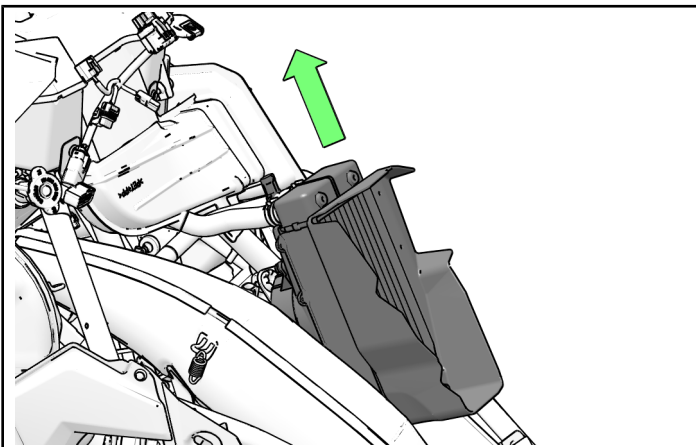
- a. Unplug cooling fan electrical connector ⑧.



- b. Gently pull the top of the radiator out of the rubber radiator mount.



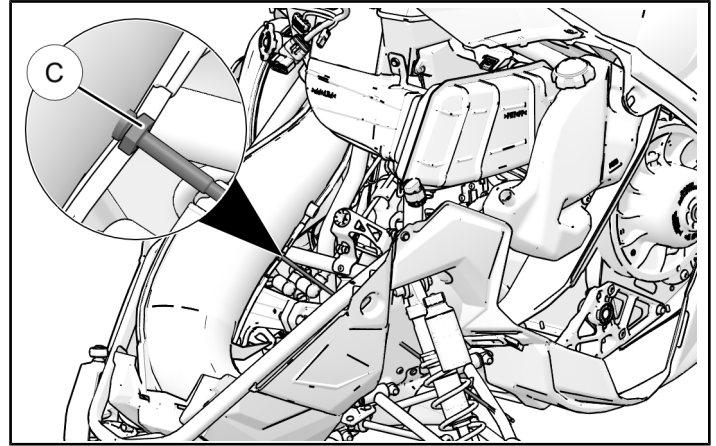
- c. Once top is out of mount, pull up on radiator until it is disengaged from the lower mount.



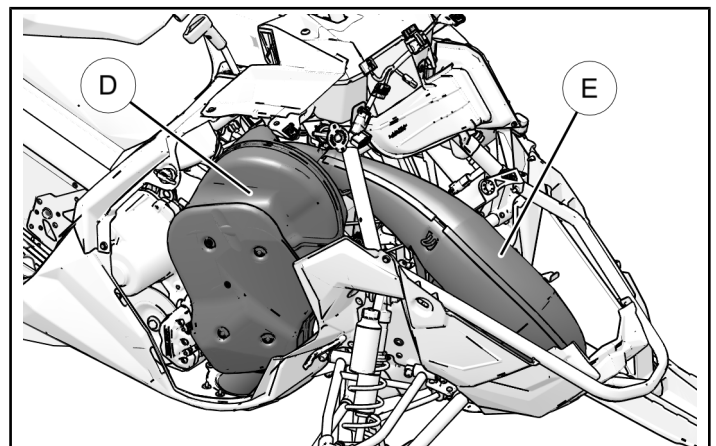
- d. Carefully tie radiator to the side, out of the way, with a suitable strap.

4. Remove Exhaust System.

- a. Remove exhaust temp sensor ⑨.



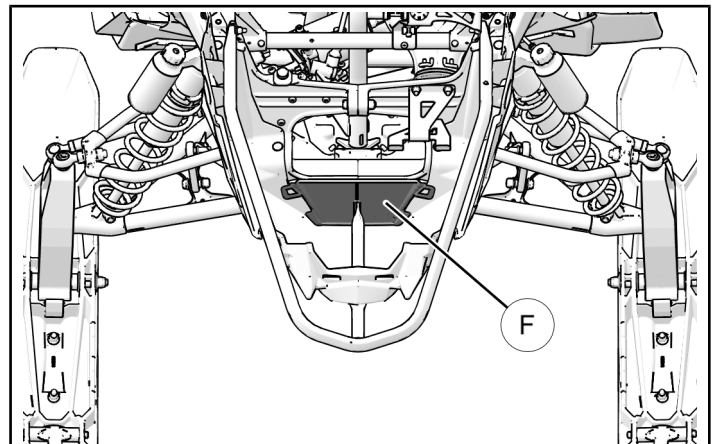
- b. Remove the 4 exhaust springs holding the resonator in place and remove resonator ⑩.



- c. Remove remaining 4 exhaust springs securing exhaust pipe to chassis then remove exhaust pipe ⑪.

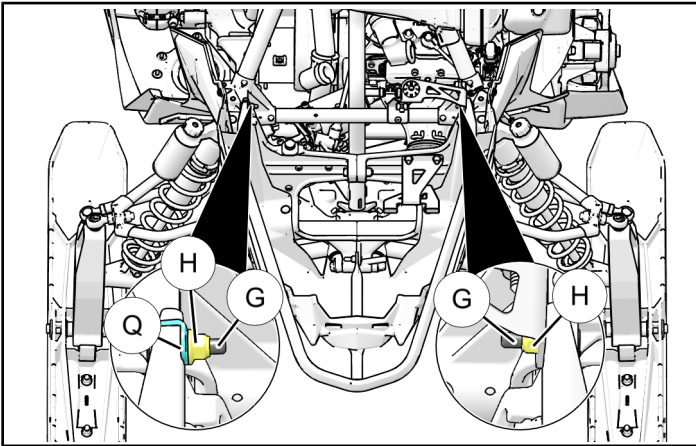
5. Remove close-off panel.

- a. Remove the adhesive backed material that is attached to top of close-off panel and bulkhead. Then pull close-off panel ⑫ forwards and upwards to remove. Set aside for later modification and reinstallation.

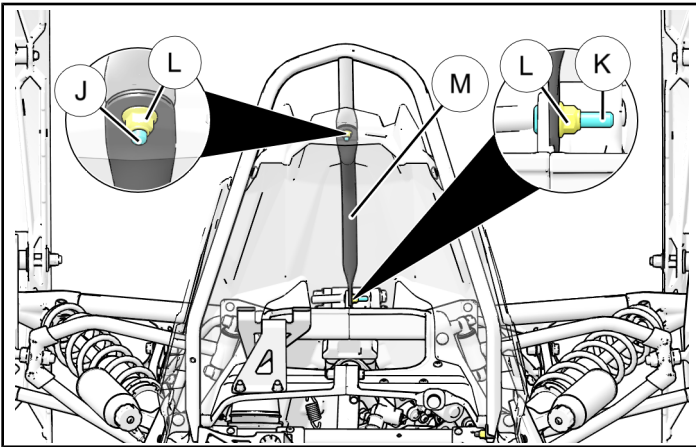


6. Remove front bumper.

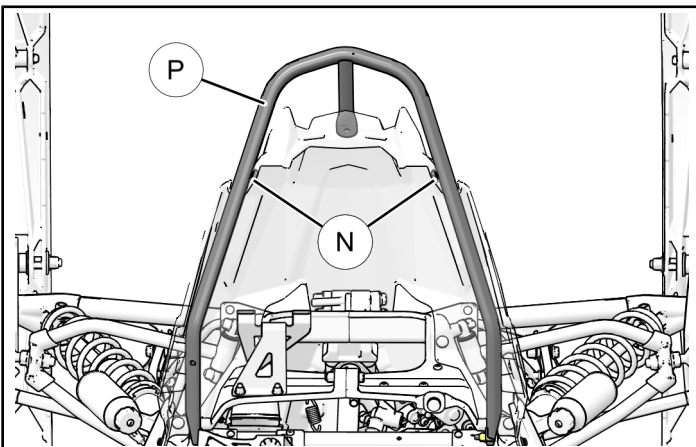
- Remove the two rear most bumper to over-structure mounting bolts (G) and nuts (H) along with the exhaust spring tab (Q) as shown.



- Remove the upper support bolt (J), lower support bolt (K) and locking nuts (L) and remove bumper support (M).



- Remove the nose pan to bumper screws (N) on each side and remove bumper (P).



7. Create new bumper tube holes.

- Carefully cut out hole location templates for the following steps from the last page of this instruction. Verify templates were printed to proper scale by using a ruler or tape measure to verify REFERENCE DIMENSION is exactly 4 inches.

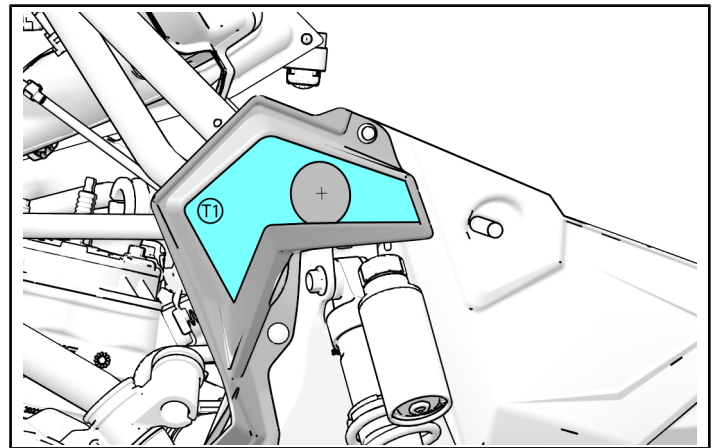
IMPORTANT

If your measurement is not exactly 4 inches, then reprint template pages from electronic file using print setting “**Actual Size**” (not “Fit”) to obtain proper 1:1 scale. Electronic file available from your **Authorized Polaris Dealer**.

- Tape the provided template (T1) into position and use a scribe or similar tool to mark the corresponding bumper tube hole location.

CAUTION

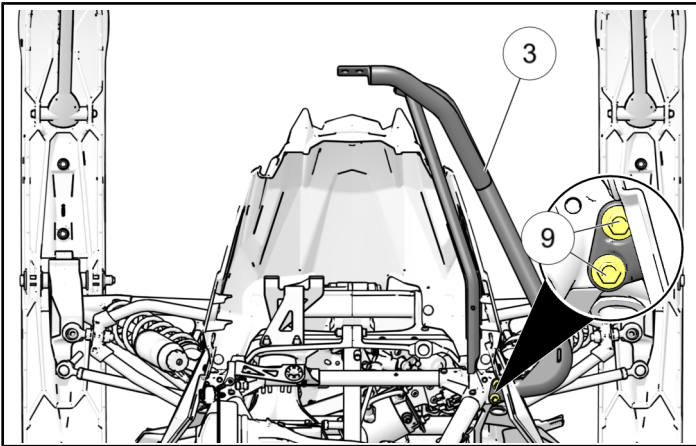
Be sure to reposition and shield ALL electrical wires and connectors that are on the backside of the area to be drilled/cut for the creation of the new bumper tubes **BEFORE** proceeding to the next step. Failure to comply may result in damage to the electrical system and/or underlying components.



- After marking hole location, use a drill and a 2” hole saw to drill hole into fender.
- Repeat using same template for opposite side.

8. Install front bumper tubes.

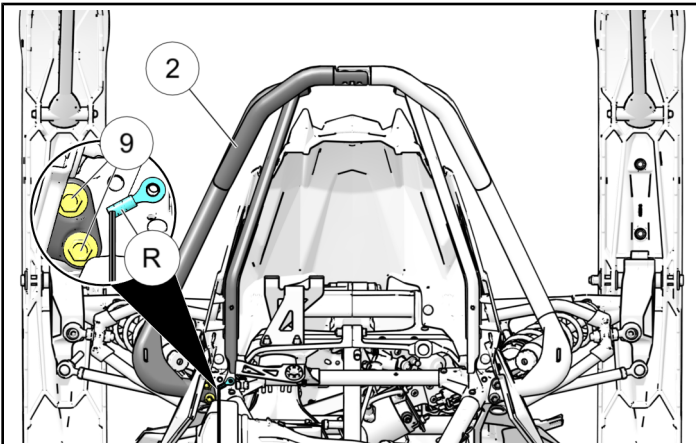
- a. Place RH side tube ③ into position as shown. Loosely install with provided M8 outer side tube fasteners ⑨ as shown.



- b. Place LH side tube ② into position as shown. Loosely install with provided M8 X 30 outer side tube fasteners ⑨ as shown.

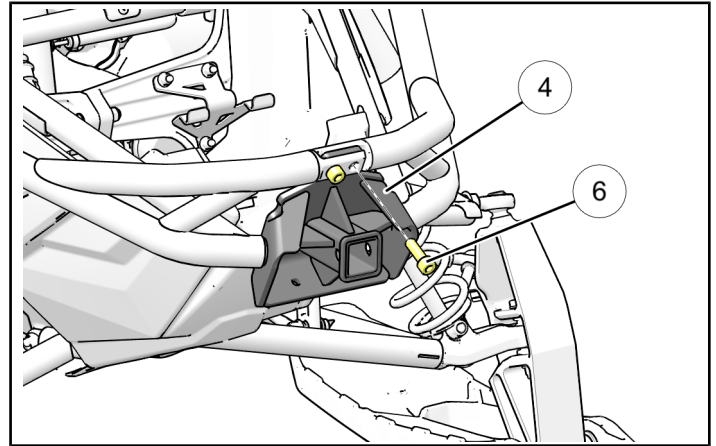
NOTE

You may have to reorient ground wire ⑧ to gain access to insert side tube fasteners.

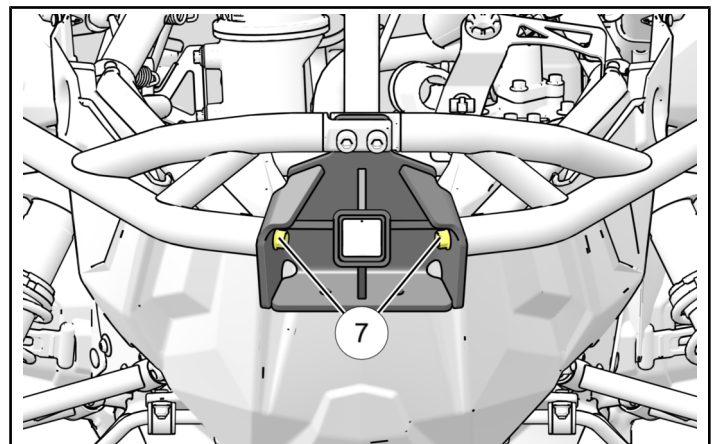


9. Install front bumper hitch receiver.

- a. Place bumper hitch receiver ④ into position between the two front bumper tubes as shown and loosely install the two provided M10 internal hex upper receiver fasteners ⑥ into the joint of the top bumper tube and the receiver assembly as shown. DO NOT TIGHTEN at this time.



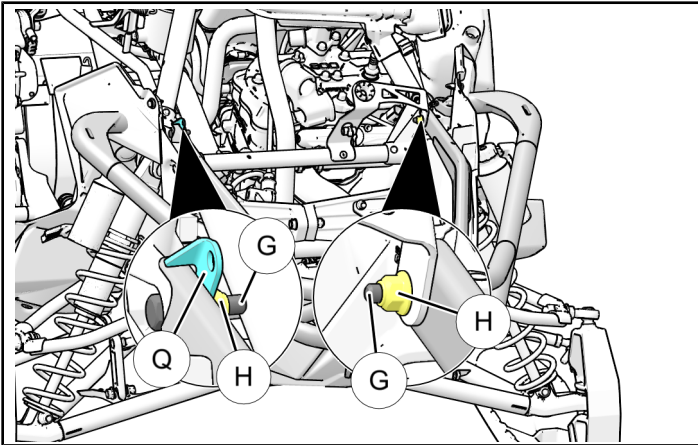
- b. Next, loosely place the two provided M8 receiver to side tube fasteners ⑦ into the joint of the lower side tubes and the receiver. DO NOT TIGHTEN at this time.



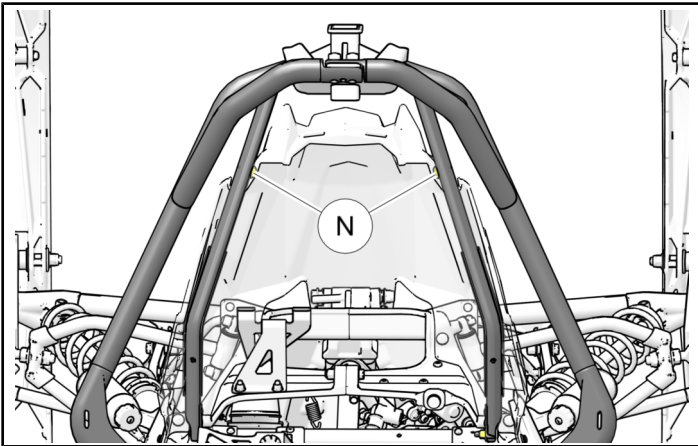
- c. Install the two original rear most bumper tube to over-structure bolts (G), nuts (H) and exhaust spring tab (Q) as shown.

NOTE

Be sure to orient exhaust spring tab as shown.

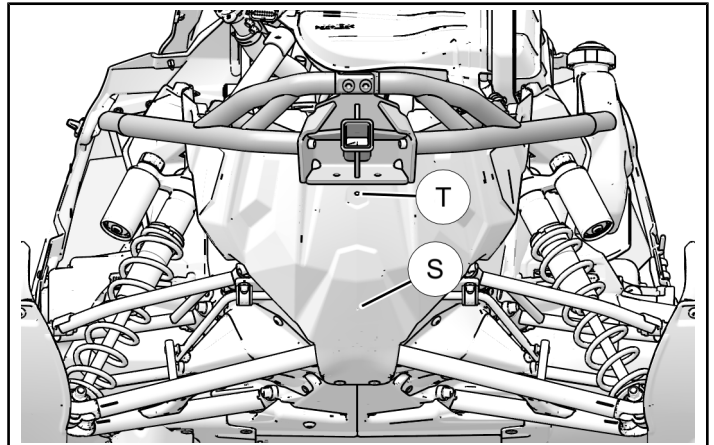


- d. Reinstall the nose pan to side bumper screws (N) previously removed in step 6c. DO NOT TIGHTEN at this time.

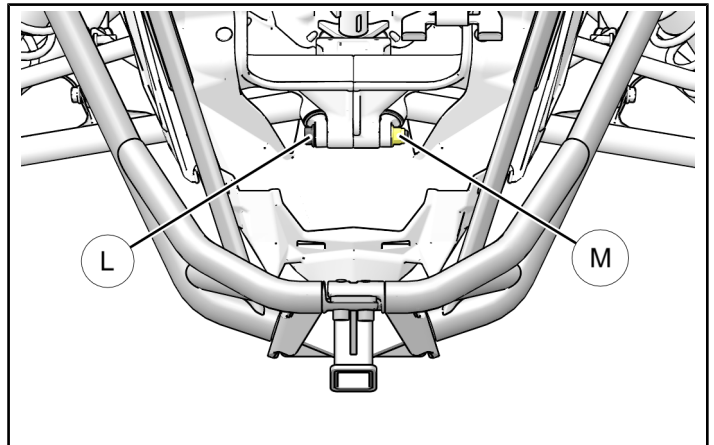


10. Install front bumper support.

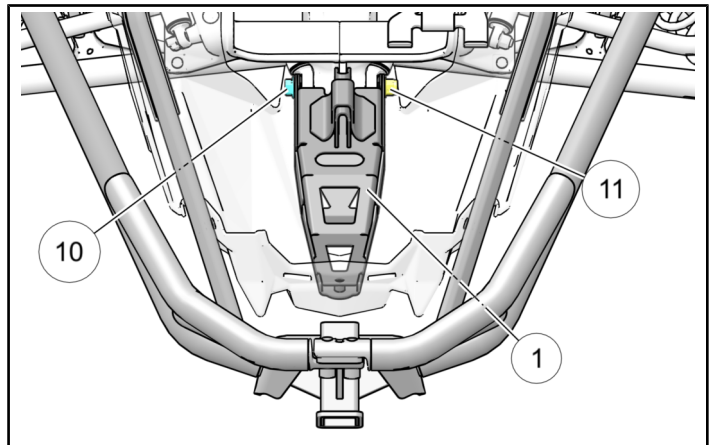
- a. Drill two 1/2" holes in the bottom of the nose pan. Drill one hole through the dimpled mark (S) towards the bottom of the nose pan and the other through the existing bumper brace mounting hole (T) at the top of the nose pan as shown.



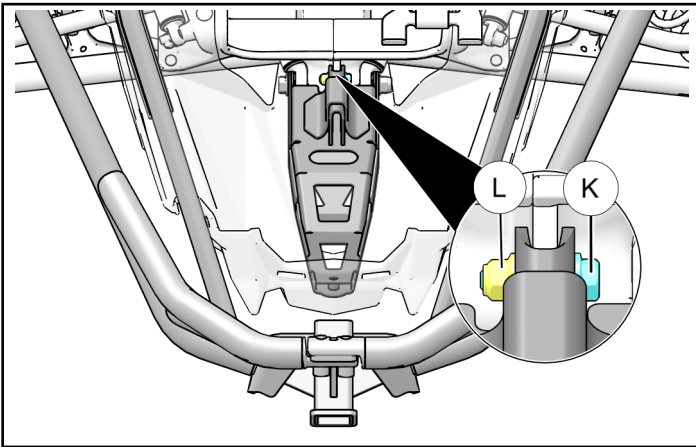
- b. Remove the forward most A-arm mounting bolt (L) and nut (M) and discard.



- c. Place front bumper support (1) into position. Insert provided M10 support bolt (10) through the bumper support and forward A-arm mounting hole. Loosely install locking nut (11). Next, reinstall original M6 lower support fastener and lock nut as shown.

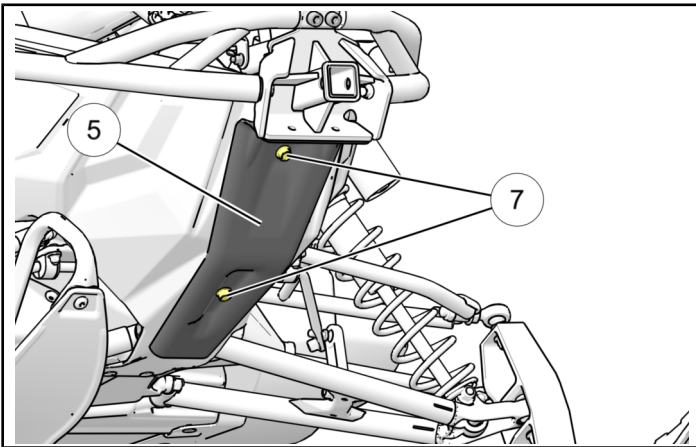


Next, reinstall original M6 lower support fastener (K) and lock nut (L) as shown.

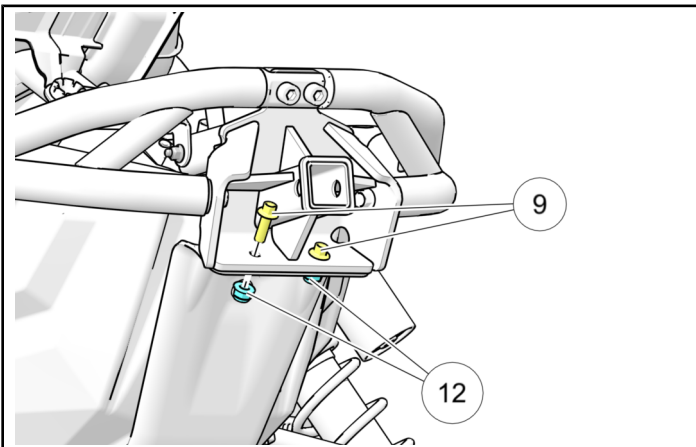


11. Install front bumper skid plate.

- a. Place skid plate (5) into position shown. Once in position, loosely install the provided two M8 lower skid plate bolts (7) through the front bumper skid plate (5) and into the threaded holes in the inner nose pan brace as shown. DO NOT TIGHTEN at this time.



- b. Install the two provided M8 upper skid plate bolts (9) through the winch receiver assembly and through the upper skid plate holes with the head of the bolt on the top side of the winch receiver assembly. Loosely install the provided lock nuts (12) onto bolts.



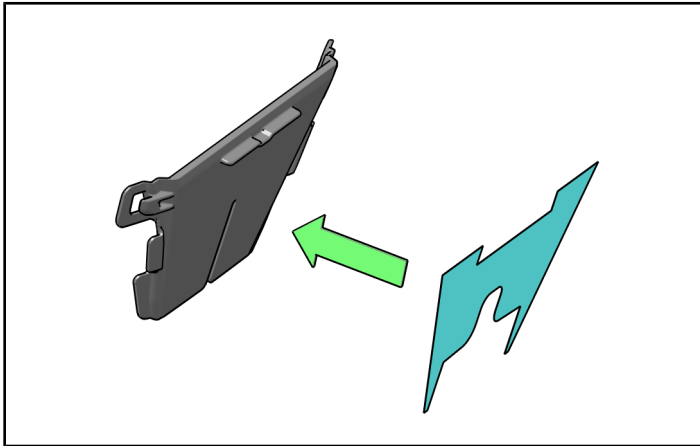
12. Torque all fasteners to specification.

- a. Torque all fasteners to the specification and order shown in the torque sequence diagram.

ORDER	DECRIP-TION/REF	TORQUE
1	M8 Upper Skid Plate (9)	17 ft. lbs. (23 Nm)
2	M8 Lower Skid Plate (7)	24 ft. lbs. (32.5 Nm)
3	M8 Receiver - Side Tube (7)	24 ft. lbs. (32.5 Nm)
4	M10 Upper Receiver (6)	33 ft. lbs. (44.7 Nm)
5	M10 A-Arm/ Support Brace (11)	40 ft. lbs. (54 Nm)
6	M6 Support Brace (L)	7 ft. lbs. (9.5 Nm)
7	M8 Outer Side Tube (9)	17 ft. lbs. (23 Nm)
8	M6 Inner side Tube (H)	7 ft. lbs. (9.5 Nm)
9	M8 Nose Pan (N)	7 ft. lbs. (9.5 Nm)

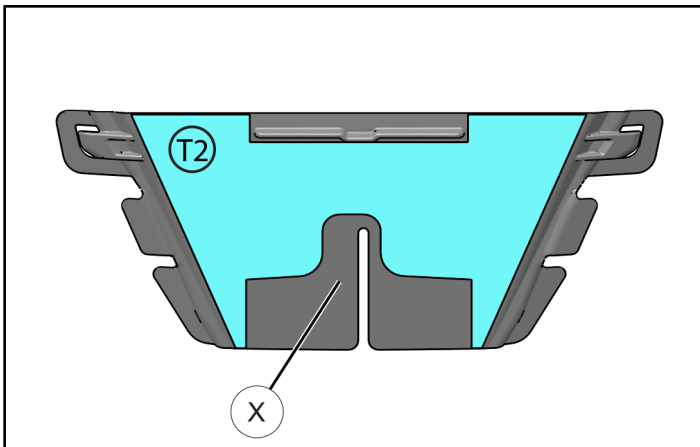
13. Modify Close-off panel.

- a. Remove remaining fabric material from close-off panel and clean all residue off the close-off panel.
- b. Place the provided close-off template (T2) onto the backside of the close-off panel as shown. Mark and cut out the area X of the close-off panel as required.



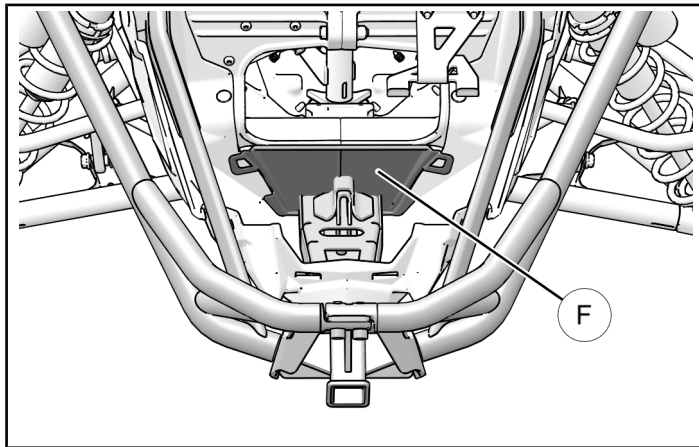
NOTE

Be sure that the template is in the orientation shown.

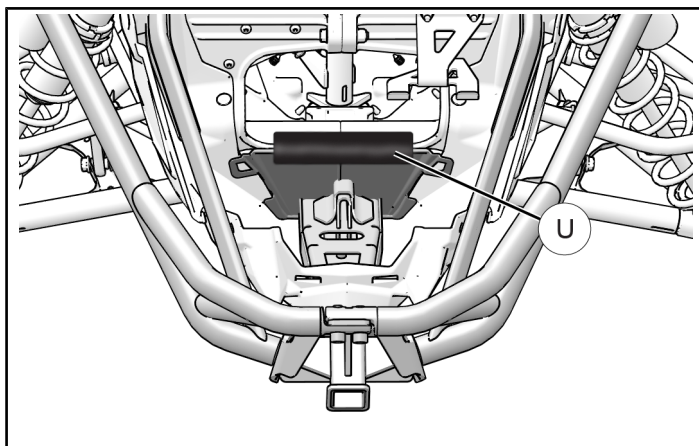


14. Reinstall previously removed components.

- a. Install modified close-off panel back into original location.



Once installed, place new piece of heat shielding material (U) into original location as shown.



- b. Reinstall the exhaust pipe. Fasten with original exhaust springs.
- c. Reinstall the exhaust resonator and fasten with remaining exhaust springs.
- d. Reinstall radiator and reconnect the radiator cooling fan electrical connector unplugged in step 3a.
- e. Reinstall electrical relay and bracket assembly using original fasteners removed in step 2a. Torque to specification.

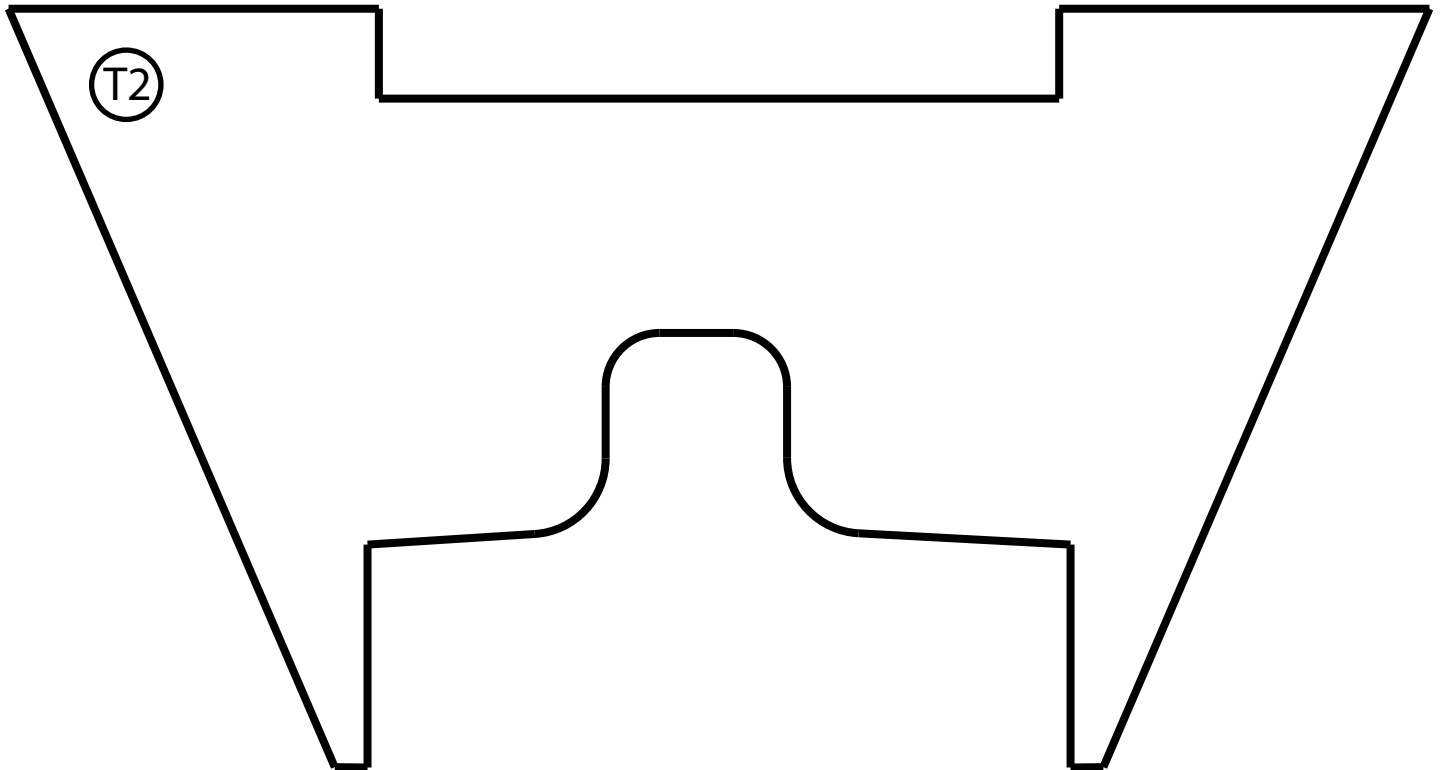
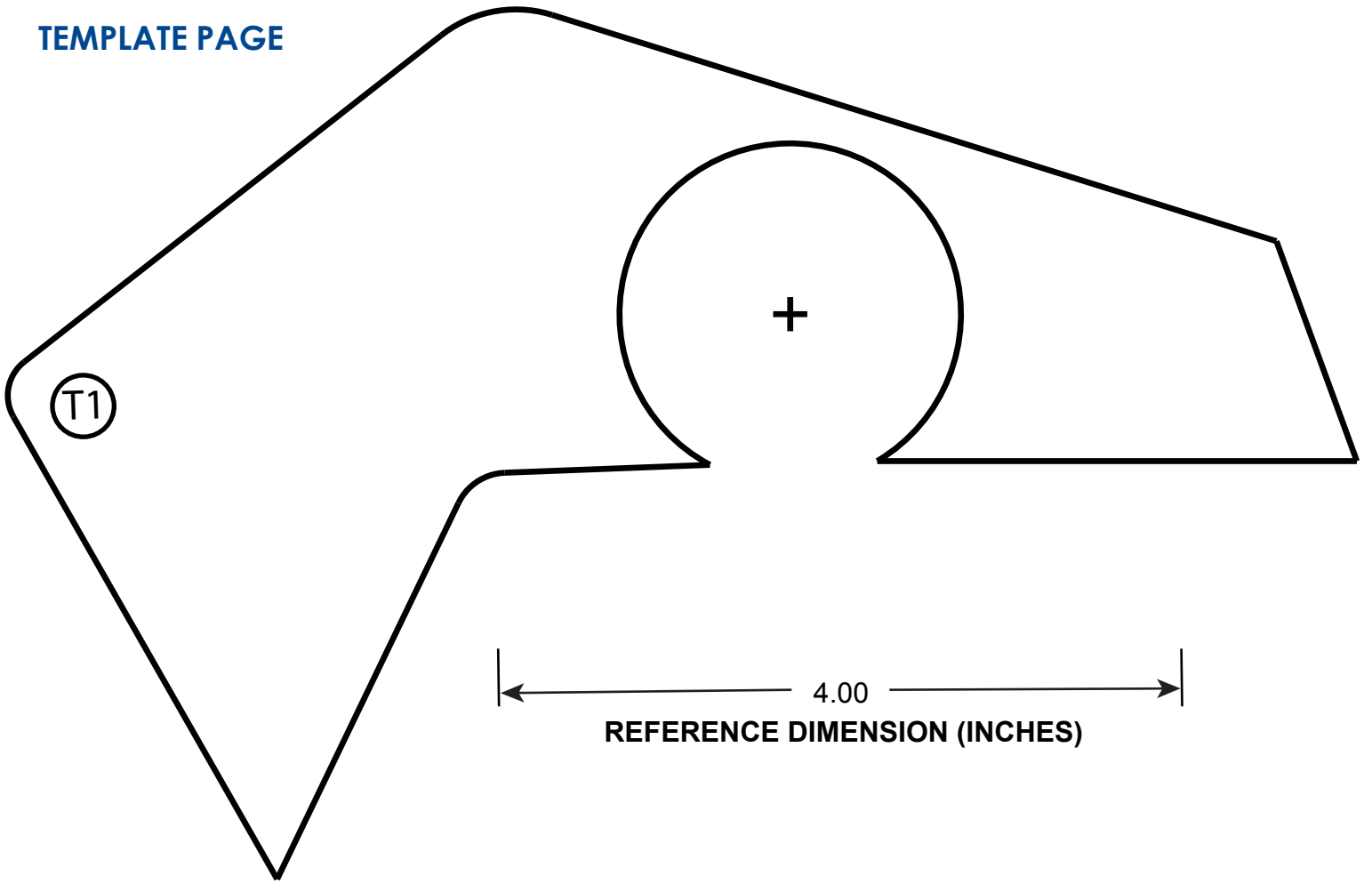
TORQUE

7 ft. lbs. (9.5 Nm)

- f. Reinstall hood and side panels.

15. Check to ensure all steps are complete and all tools are accounted for.

TEMPLATE PAGE



FEEDBACK FORM

A feedback form has been created for the installer to provide any comments, questions or concerns about the installation instructions. The form is viewable on mobile devices by scanning the QR code or by clicking [HERE](#) if viewing on a PC.

