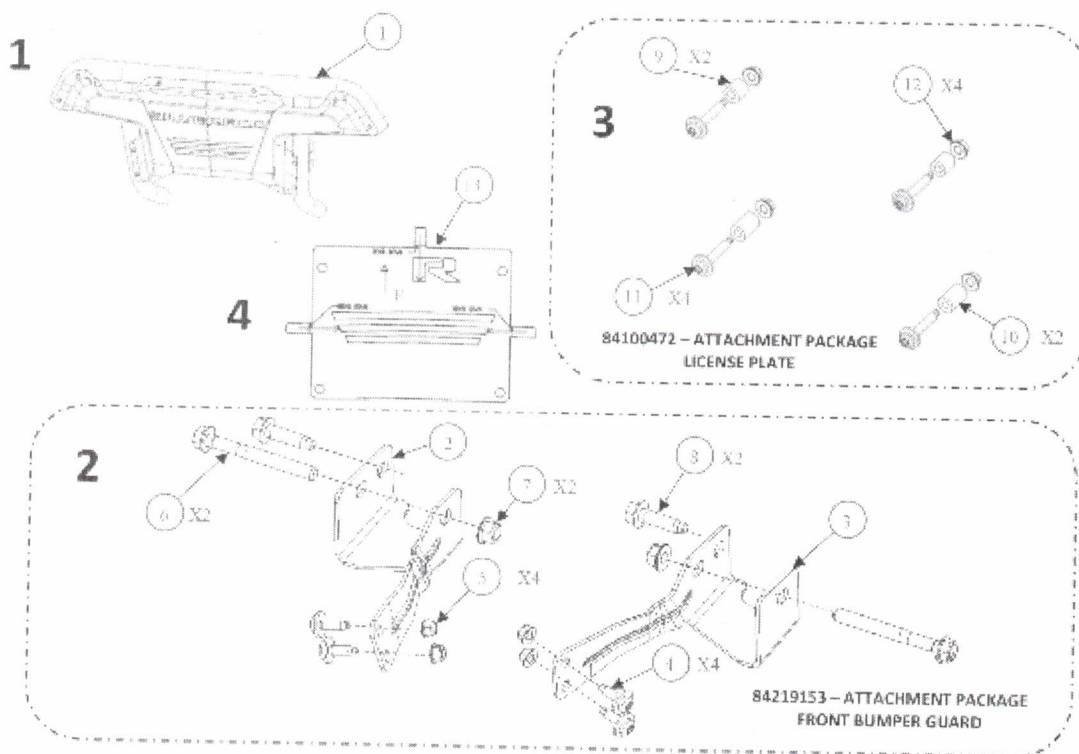


Front End Guard Package Installation (Instruction ID: 84219166)

Installation Instructions Part Number

84219166



Nudge Bar

Item	Description	Qty
1	Nudge Bar Assembly	1
2	PS Nudge Bar Bracket	1
3	DS Nudge Bar Bracket	1
4	M8-1.25 X 29.05 mm Pan Head T40 w/conical Washer	4
5	M8-1.25 Nut	4
6	M12 - 1.75 X 110 mm Heavy Hex Flange Bolt	2
7	M12- 1.75 Flange Nut	2

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Item	Description	Qty
8	M12- 1.75 X 45.8 mm Heavy Hex Flange Bolt	2
9	12.7 mm Short Spacer	2
10	19.0 mm Long Spacer	2
11	M6- 1 X 38 mm T30 Mat Point Bolt	4
12	M6- 1 Nut	4
13	License Plate Hole Template	1

Tools Required

Ratchet Wrench

Torque Wrench

M8 Hex Socket

M12 Hex Socket

M8 Wrench

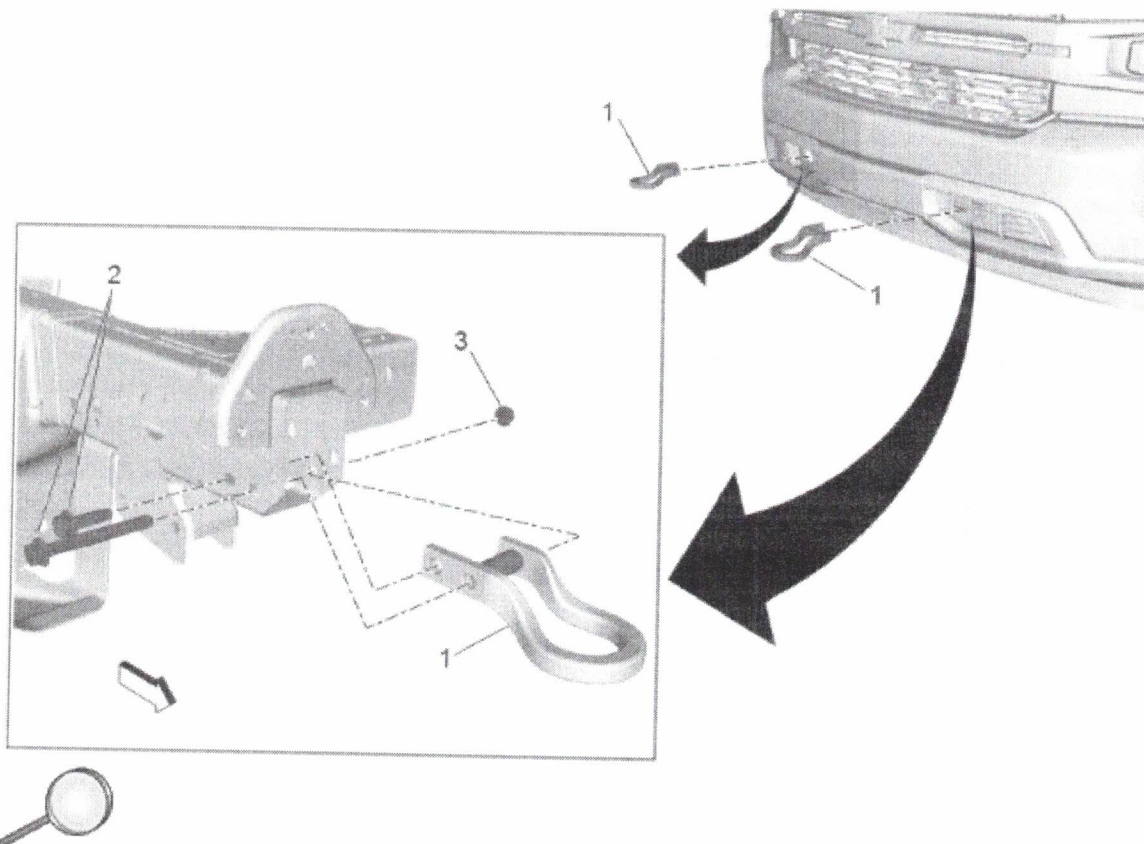
M12 Wrench

Drill / 8 mm bit

Safety Glasses

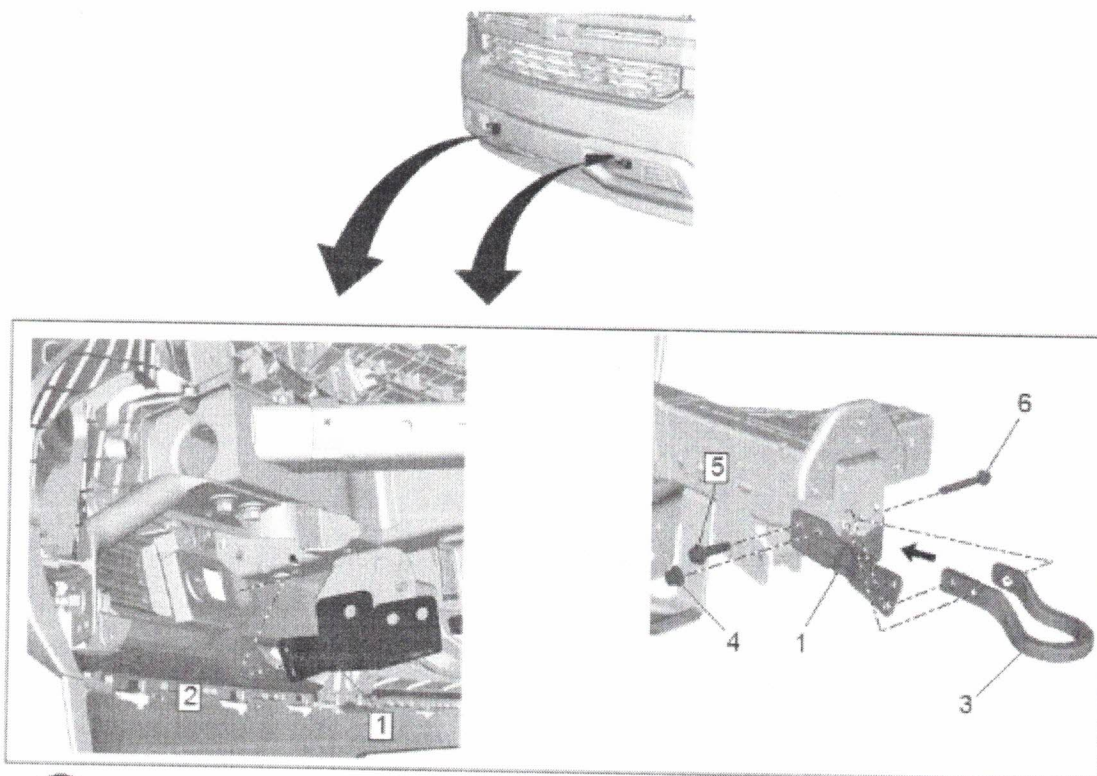
Procedure

1. Raise and support the vehicle. Refer to [Lifting and Jacking the Vehicle](#) in Vehicle Service Manual.



Note: Parts on vehicle have been removed for clarity to allow for a better view of components.

2. Remove the front tow hooks (1) by removing M12 bolts (2) and nut (3) (both sides). Remove and discard the foam treatment covering the hooks. There are two bolts (2) and one hex nut (3) per side of vehicle. The tow hooks (1) will be used in the Nudge Bar Assembly, but the M12 bolts (2) and M12 nut (3) will not be used.

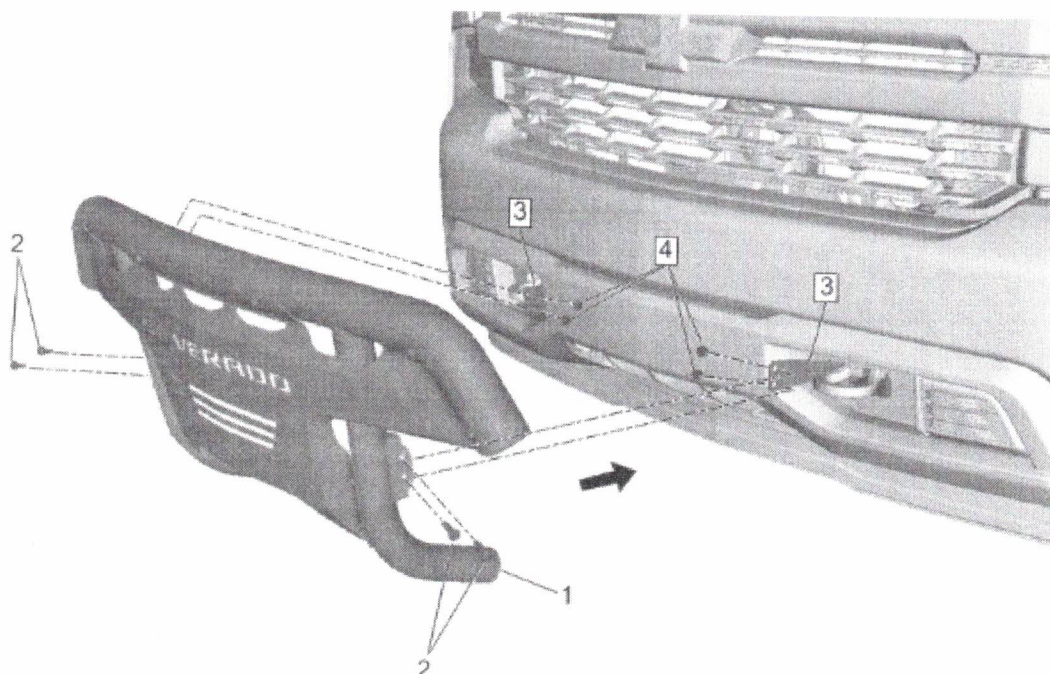


Note: Parts on vehicle have been removed for clarity to allow for a better view of components.

3. The Nudge Bar Bracket (1) needs to be inserted from underneath the vehicle and fed through the bumper tow hook opening (2) as shown. Rotate the bracket (1) to align the part to the holes in the frame (both sides).
4. When the Nudge Bar Brackets are aligned with the frame holes follow the instructions below (both sides).

Caution: Use the correct fastener in the correct location. Replacement fasteners must be the correct part number for that application. Fasteners requiring replacement or fasteners requiring the use of thread locking compound or sealant are identified in the service procedure. Do not use paints, lubricants, or corrosion inhibitors on fasteners or fastener joint surfaces unless specified. These coatings affect fastener torque and joint clamping force and may damage the fastener. Use the correct tightening sequence and specifications when installing fasteners in order to avoid damage to parts and systems.

- 4.1. Insert the tow hook (3) from the front side of the bumper into the frame tube.
- 4.2. Install the M12 Bolt (6) (Item 6 in parts list) into the bracket (front hole), through the frame and out the other side of the bracket.
- 4.3. Attach the M12 Nut (4) (Item 7 in parts list) to the M12 Bolt (6). Loosely tighten the nut to the bolt.
- 4.4. Install the shorter M12 Bolt (5) (Item 8 in parts list) into the bracket (rear hole), through the frame wall and onto the tow hook (3).



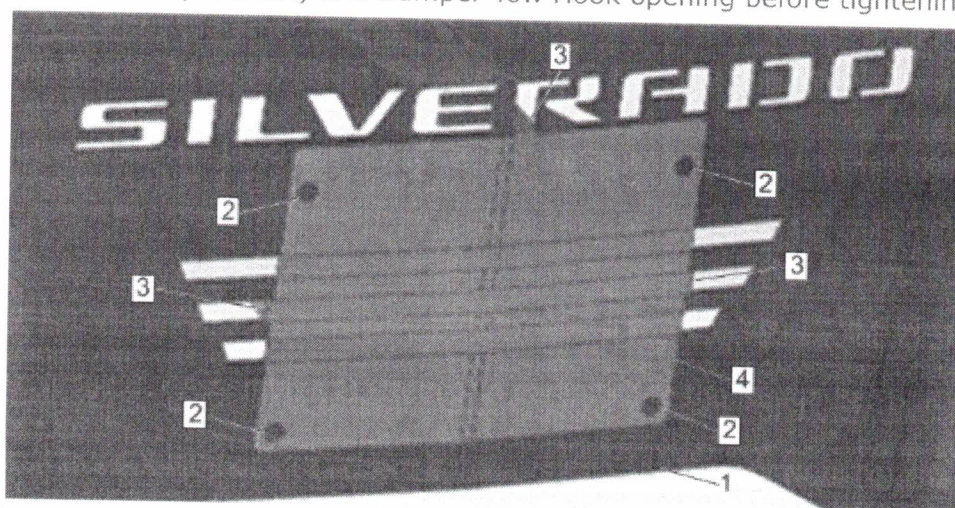
5. Align the Nudge Bar Assembly (1) (Item 1 in parts list) to the Nudge Bar Brackets (3) (Items 2 & 3 in parts list).

5.1. Install the 4 X M8 Bolts (2) (Item 4 in parts list) and 4 X M8 Nuts (4) (Item 5 in parts list).

5.2. Torque the M8 bolts while holding the loose nut to 22 N.m (16 lb ft).

5.3. Torque the previously installed M12 bolts while holding the loose nut to 75 N.m (55 lb ft) +120 TO 135 DEG (TORQUE TO YIELD). If bolt is serviced, replace bolt if loosened.

Note: Verify that there is sufficient clearance between the Nudge Bar Brackets (3) (Items 2 & 3 in parts list) and Bumper Tow Hook opening before tightening bolts.

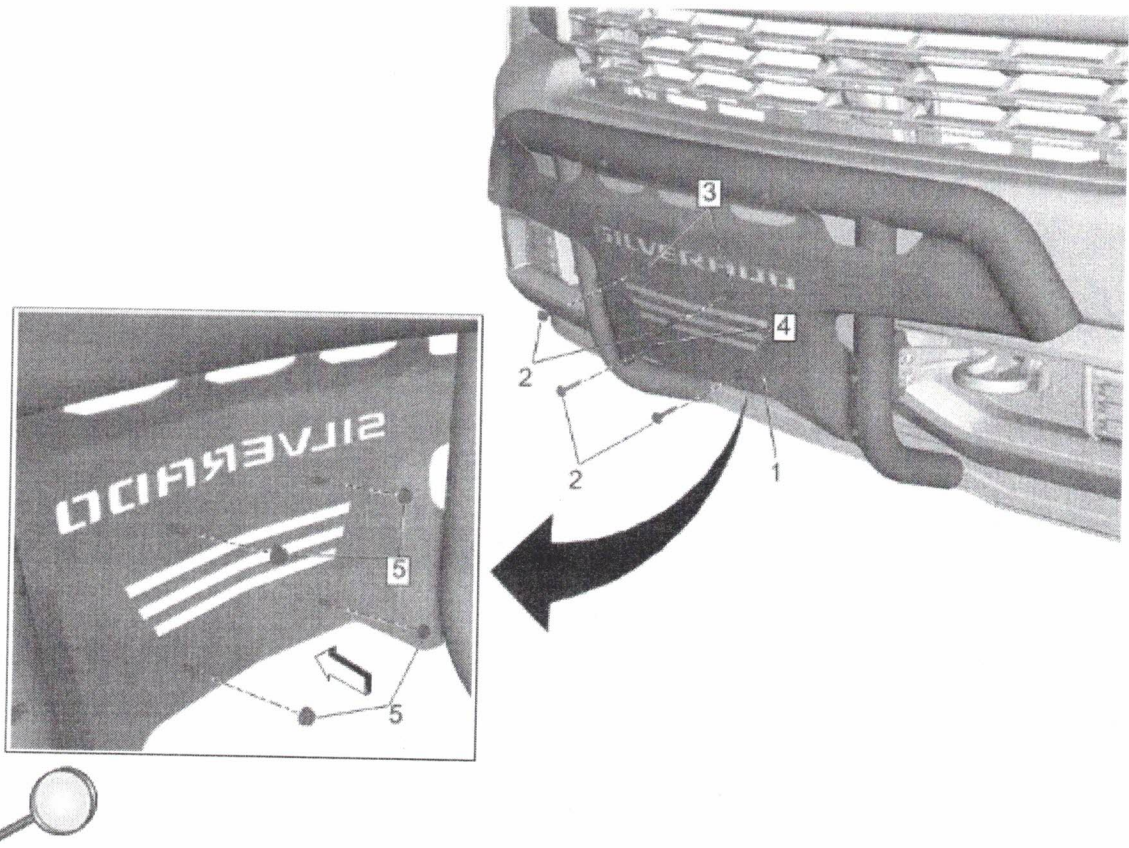


6. If a front license plate is required:

Caution: Always check scale, size and position of all templates before drilling. Failing to
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inability to install the accessory.

- 6.1. Align the License Plate Template (4) (Item 13 in parts list) on the Nudge Bar Front Plate (1) as shown.
- 6.2. Bend Tabs (3) and insert in middle horizontal slot and in the letter R as shown.
- 6.3. Tape template in place if necessary.
- 6.4. Drill Four 8 mm holes (2) in the front plate using the template.



- 6.5. Install the two shorter spacers (3) (Item 9) in the top holes and the two longer spacers (4) (Item 10 in parts list) in the bottom holes with the screws (2) and washers (Item 11 in parts list) (Place license plate between screw/washers and spacer).
- 6.6. Install and tighten the four nuts (5) (Item 12 in parts list) on the rear side of the Front Plate.
7. For vehicles equipped with front parking assist, disable the parking assist feature using the center stack module (CSM) / HMI on the instrument panel.
8. Lower the vehicle.