

Hiniker Company
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VEHICLE INSTALLATION INSTRUCTIONS FOR:
 NISSAN 4x4 2018 & NEWER TITAN XD

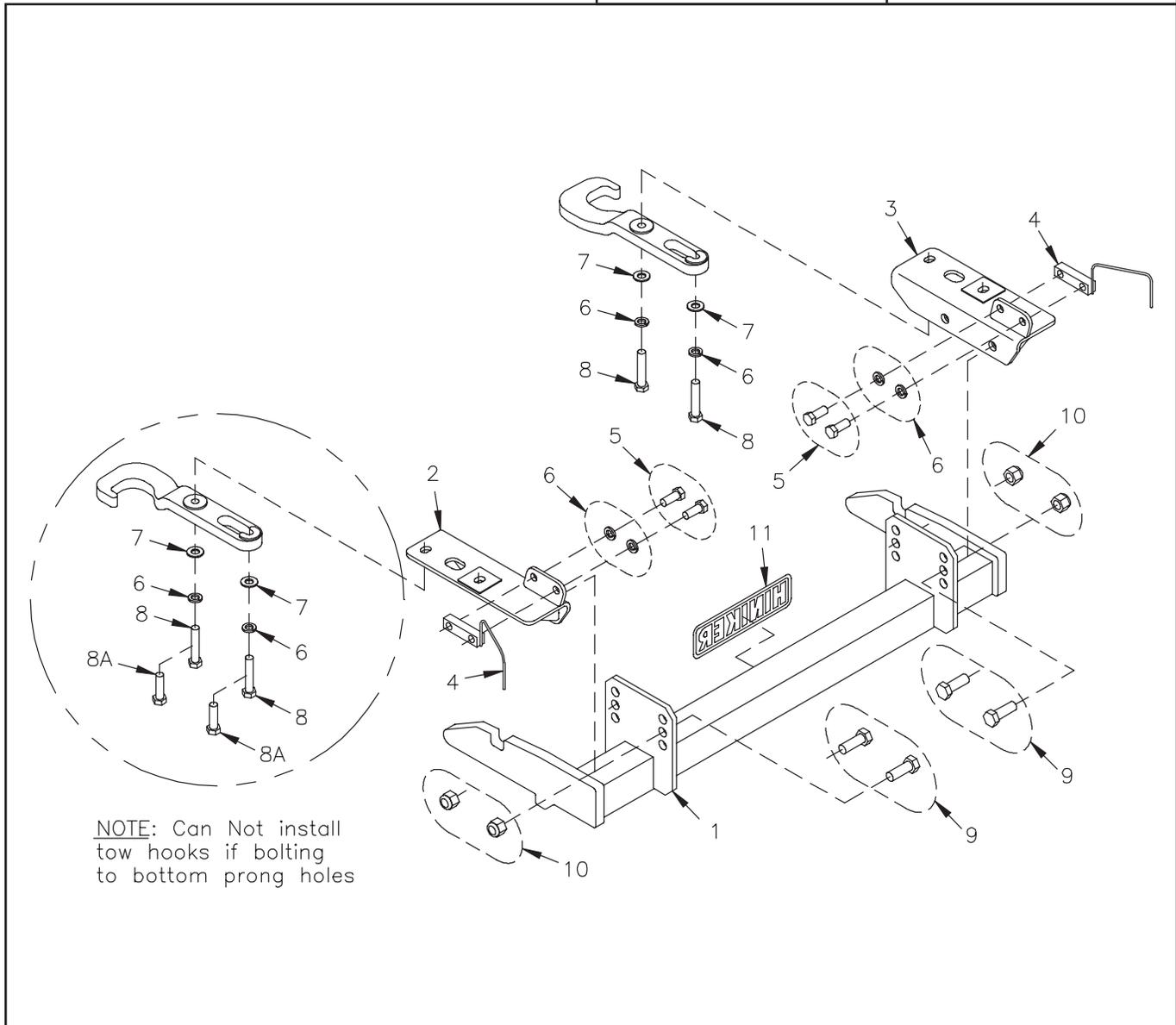
INSTRUCTION SHEET NO: 25013983

October 15, 2018



IMPORTANT: Read the Snowplow Operator's Manual before assembling this kit.

Minimum Vehicle Recommendations	
Titan XD grade levels S or SV with Snowplow Prep Package. (V8 Gas, 4,900 lb. FGAWR).	REAR BALLAST - 400 lbs. when plow is attached. Secure Weight Behind Rear Axle.



NOTE: Can Not install tow hooks if bolting to bottom prong holes

Mount Kit 25013978

DWG. NO. 7643

REF. NO.	PART NUMBER	DESCRIPTION	QTY.	REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	25013979	Prong Weldment	1	8	950-011-065	Hex Head Cap Screw M12 x 1.25 x 65 CI 10.9	4
2	25013980	LH Bracket Weldment	1	8A	950-011-066	Hex Head Cap Screw M12 x 1.25 x 45 CI 10.9	4
3	25013981	RH Bracket Weldment	1	9	950-001-132	Hex Head Cap Screw 5/8-11 x 1 3/4 Gr. 5	4
4	25013572	Nut Bar Weldment	2	10	060756	Lock Nut 5/8-11 Nylon Insert	4
5	950-001-111	Hex Head Cap Screw 1/2-13 x 1 1/4 Gr. 5	4	11	25010008	Hiniker Decal	1
6	952-001-004	Lock Washer, 1/2 Inch	8	25013984		Bolt Bag	1
7	952-003-004	SAE Flat Washer, 1/2 Inch	4				

All hardware should be tightened only enough to ensure safety during assembly. Fully tighten all hardware after entire assembly is completed.

GRADE 5 TYPE B & F LOCK NUT TORQUE VALUES

Size	Ft-lbs.	N-m
5/16"	13-18	17-25
3/8"	23-33	31-44
1/2"	58-82	79-112
5/8"	117-165	158-223

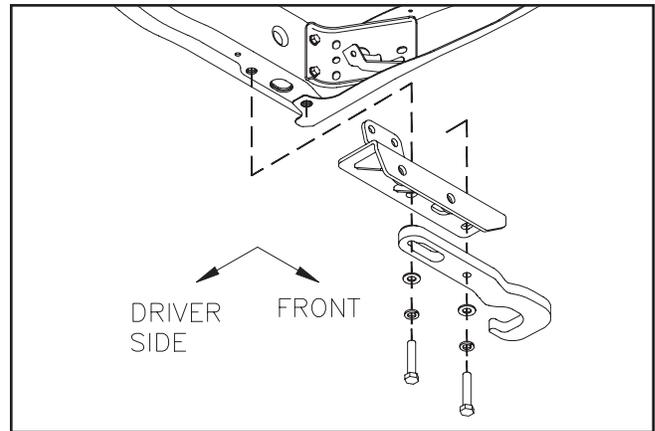
GRADE 5 BOLT TORQUE VALUES*

Size	Ft-lbs.	N-m
1/4"	8-12	11-16
3/8"	29-41	39-56
1/2"	73-103	99-140
5/8"	146-206	198-279
* Applications without lock nuts		

1. Remove the plastic air dam from under the front bumper by unscrewing ten retainers. The air dam can not be reinstalled with this mount, and should be returned to the vehicle owner for reinstallation should the mount be taken off the truck in the future.

Unbolt the plastic splash shield from behind the front bumper by unscrewing seven bolts. Set aside the shield and fasteners for reinstallation.

2. Unbolt tow hooks, if included, from the front of the frame rails. The four bolts will be replaced with longer bolts supplied in the mount kit.



DWG. NO. 7644

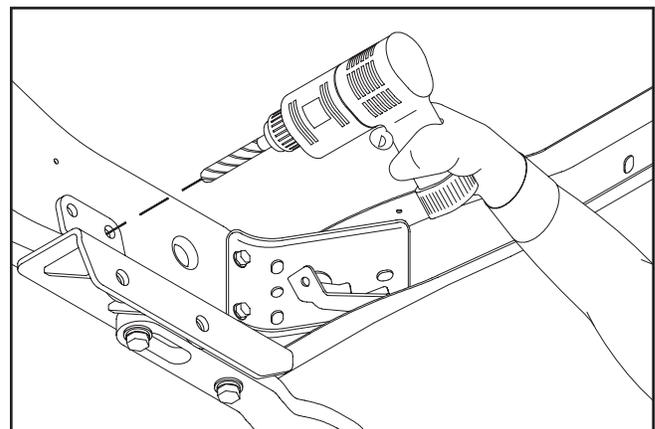
Identify the LH and RH side brackets from the mount kit.

Loosely fasten brackets to the bottom of the frame rails using M12 x 1.25 x 65 mm (2 1/2 in.) hex bolts, 1/2 inch lock washers and SAE flat washers installed through the tow hooks.

NOTE: Tow hooks can not be reinstalled if bolting through the bottom holes of the prong plates in Step 5 due to interference between prong receivers on the plow and tow hook bolt heads.

If the truck doesn't include tow hooks, fasten brackets with M12 x 1.25 x 45 mm (1 3/4 in.) bolts, lock washers and flat washers directly through brackets.

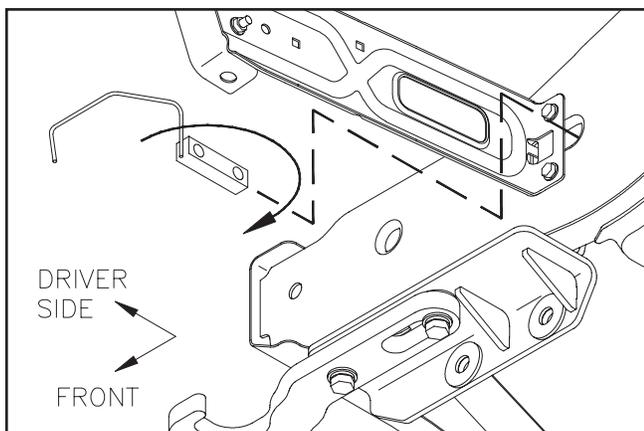
3. Push the side brackets tight to the vehicle frame rails.



DWG. NO. 7645

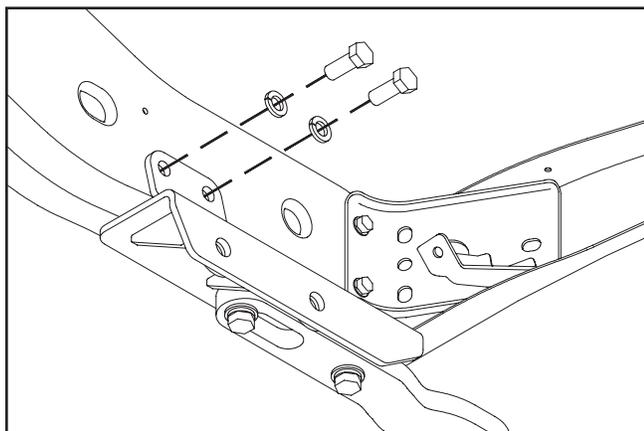
Drill two 1/2 inch diameter holes into the inner wall of both frame rails through holes in the bracket plates.

4. Bend wire handles on nut bars, as required, then insert bars into holes through the outer walls of the frame rails and align with drilled holes in the inner walls.



DWG. NO. 7647

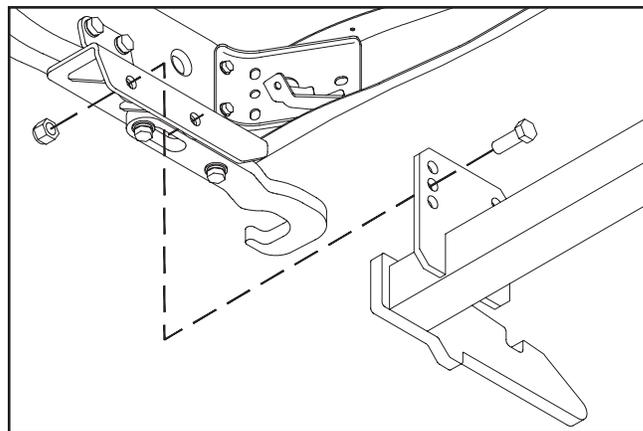
Place a lock washer onto 1/2 inch x 1 1/4 inch hex bolts, then thread bolts into the nut bars to secure the brackets.



DWG. NO. 7646

Bend nut bar wires to an out of the way position after bolts are installed.

5. Fasten the mount plates of the prong weldment to holes in the LH and RH side brackets with four 5/8 inch x 1 3/4 inch hex bolts and lock nuts.



DWG. NO. 7648

The bottom edges of the prongs should measure about 9 inches above the ground. Ideally, the prongs should lift the plow frame slightly when driving onto the plow.

6. Fully tighten all mount kit fasteners to specified torque values.
7. Trim edges of the splash shield, as shown in the drawing, to fit within mount kit brackets.



PHOTO NO. IMGP0163

Reinstall splash shield with original hardware.

ELECTRICAL CONNECTIONS



CAUTION

- **Do not ground power cable directly to the battery negative terminal. Doing so may interfere with the power generation voltage variable control system and cause poor or inoperative battery charging.**
- **Ground power cable using suitable body ground connections or ground to the engine block area.**
- **Operate the plow with the engine running to avoid discharging the vehicle battery.**

WIRING PASS THROUGH



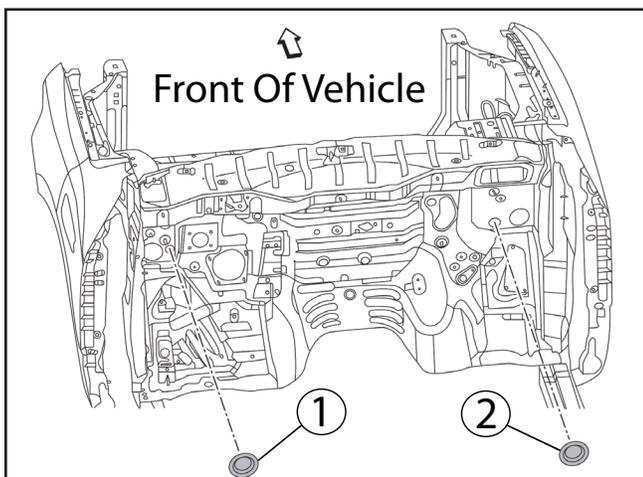
CAUTION

To prevent water intrusion and possible vehicle damage:

- **Form a drip loop with the harness before passing through the bulkhead grommet.**
- **Reseal grommet with RTV silicone after passing harness through.**

Two grommets are provided in the bulkhead between the engine and passenger compartments. Grommets are behind the sound deadener pan.

Cut a hole in the grommet just large enough to pass the cab control harness through. To avoid water intrusion into the passenger compartment, run the harness down first, then up to the grommet to form a U-shaped drip loop before passing it into the passenger compartment. Reseal the grommet with RTV silicone.



Pass Through Grommets

DWG. NO. 7649