9049 Tyler Blvd. • Mentor, Ohio 44060
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HD/EX MOUNT KIT
16065100
TOYOTA TUNDRA 2007-2020

SnowDogg® Snowplow

TRUCK MOUNT
INSTALLATION MANUAL

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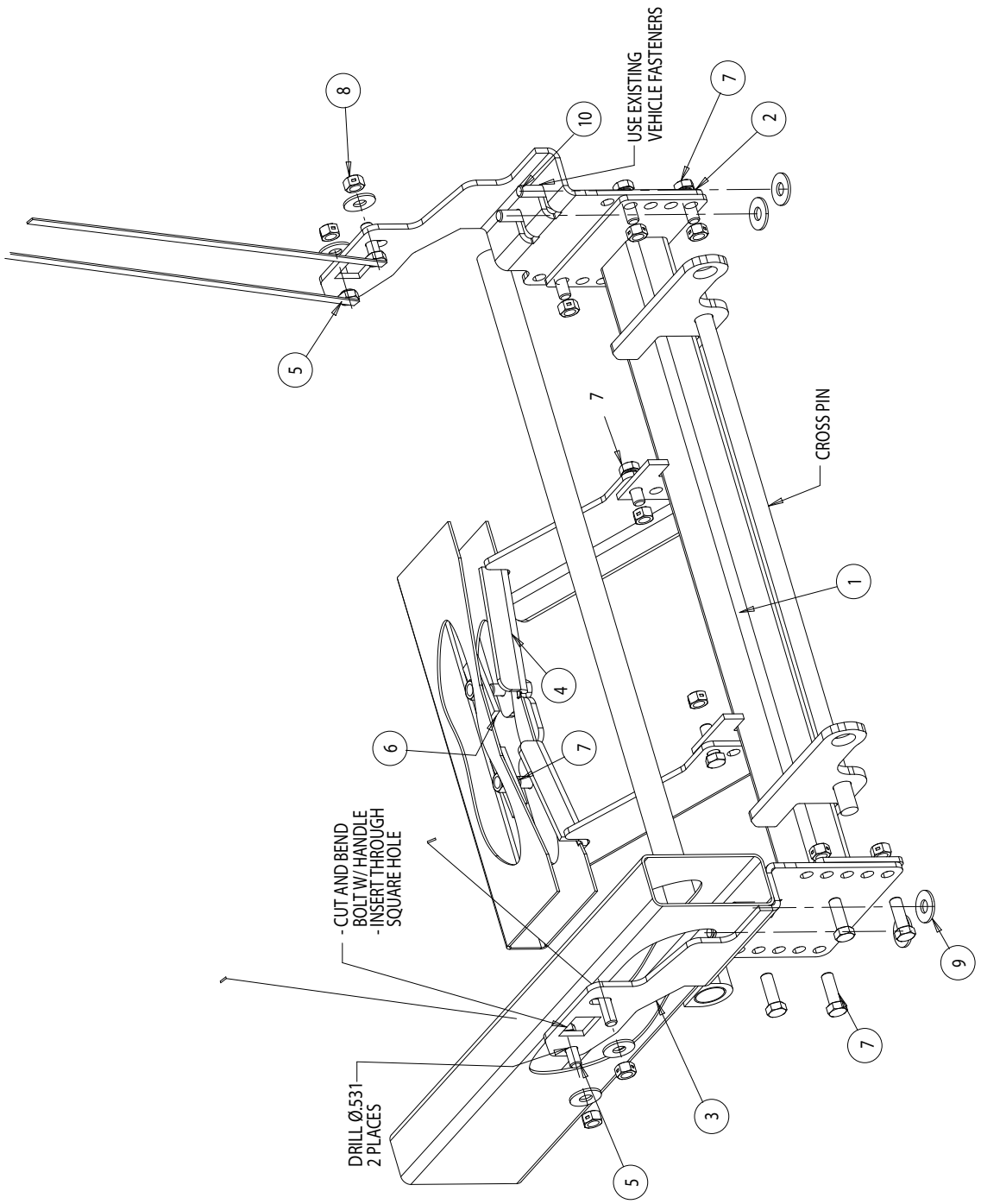

Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	**16065102**	1	Pushbar, Tundra 07+
2	**16065127**	1	Bracket, Side Weldments DS
3	**16065128**	1	Bracket, Side Weldments PS
4	**16065129**	1	Bracket, Center Support Weldment
5	**16801004**	4	Screw, Hex HD, 1/2-13 x 1-1/2 Gr. 5 w/HDL
6	**16065131**	2	Plate, 1/2-13 Nut x 3 Weldment
7	**3006202**	14	Screw, Hex HD - 1/2-13 x 1-1/2 Gr. 8 ZC
8	**3002397**	16	Locknut, Hex 1/2-13, ZC Gr. 8
9	**FWF050138014**	8	Washer, Flat, .500 x 1.38 x .14, ZN
10	–	4	Vehicle Fastener

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INSTRUCTIONS

1. For this installation, it may not be necessary to remove the bumper. The skid plate between the bumper and frame will need to be removed.

2. Remove the tow hooks (if your vehicle option is equipped with them).

3. Hold the PS Bracket up against the passenger side frame rail, aligning with the existing holes in the bottom. Secure the bracket with two existing metric bolts from the vehicle.

4. On the side of the frame, using the Bracket as a template, drill one of two holes with Ø.531 diameter clearance. Secure the Bracket using one ½-13 with handle (5) bolt and a locknut (8).

5. Secure the other existing hole with one ½-13 with handle (5) bolt and a locknut (8).

6. Repeat step 3 above for DS Bracket.

7. Mount the Pushbar (1) in place between the two side plates using eight ½-13x1-1/2 bolts and locknuts. The centerline of the pushbar crosspin should be approximately 11" from the ground. Improper mounting height will result in uneven cutting edge wear.

8. Install the Center Support Bracket (4) to the cross member beam using two ½ -13 x 1.5 bolts (7) along with two ½ -13 nut-plate (6).

9. Secure the Mid Support bracket to the pushbar using four ½-13x1.5 (7) and locknut (8).

10. Torque all fasteners as shown in the chart. Check and re-torque all fasteners after 5 hours of usage to ensure safe plow operation.

11. It may be helpful to route the plow and light control harnesses at this point, prior to bumper reinstallation.

12. Reinstall the bumper/air dam assembly and skid plate. The bumper/air dam and skid plate may need to be altered or omitted for reinstallation.

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Recommended Fastener Torque Chart (ft.-lb.)

Size	SAE Grade 2	SAE Grade 5	SAE Grade 8
1/4-20	6	9	13
5/16-18	11	18	28
3/8-16	19	31	46
3/8-24	24	46	68
7/16-14	30	50	75
1/2-13	45	75	115
9/16-12	66	110	165
5/8-11	93	150	225
3/4-10	150	250	370
7/8-9	150	378	591
1-8	220	583	893

Metric Grade 8.8 (ft.-lb.)

Size	Torque	Size	Torque
M6	7	M12	60
M8	17	M14	95
M10	35	M16	155

These torque values apply to fasteners except those noted in the instruction.

WARNING

• DO NOT under any circumstances disable, remove or relocate any sensors or components related to the operation of the air bags.
• Always follow the vehicle manufacturers' recommendations relating to snowplow installation.
• To comply with Federal Regulations and to assure a safe vehicle, the Front Gross Axle Weight Rating (FGAWR), Rear Gross Axle Weight Rating (RGAWR), and the Gross Vehicle Weight Rating (GAWR) must not be exceeded at any time.
• Due to the variety of equipment that can be installed on this vehicle, it is necessary to verify that the Front Gross Axle Weight Rating (FGAWR), Rear Gross Axle Weight Rating (RGAWR), and the Gross Vehicle Weight Rating (GAWR) are not exceeded at any time. This may require weighing the vehicle and adding ballast as necessary. It may also limit payload capacity of the vehicle. It is the operator's responsibility to verify that these ratings are not exceeded.

CAUTION

• Read all instructions prior to assembly
• It is critical that all fasteners be properly torqued for safe plow operation – see chart above.
• Fasteners should be retorqued after 5-8 hours of plow use

FULL TWO-YEAR WARRANTY

Manufacturer will repair, or at manufacturer's discretion will replace any part of this snowplow which proves to be defective in workmanship or material under normal use for a period of one year from the date of delivery to the original purchaser. Any cost incurred in returning the product to the supplier is the responsibility of the consumer.

EXCLUSIONS

Manufacturer shall not be liable for special, incidental, or consequential damages, or for damages resulting from lack of necessary maintenance, from misuse, abuse, acts of God, or alteration of the product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.