



A Division of The Toro Company
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bossplow.com

2009 - 2014
POLARIS SPORTSMAN 400/500/570/800
ATV UNDERCARRIAGE
MOUNTING INSTRUCTIONS
(PART NO. LTA13754B)

WARNING

Always follow the vehicle manufacturers' recommendations relating to system installation.

Due to the variety of equipment that can be installed on this vehicle, it is necessary to verify that the Gross Vehicle Weight Rating (GVWR) is 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.

2009 - 2014 POLARIS SPORTSMAN 400/500/570/800 ATV UNDERCARRIAGE MOUNTING INSTRUCTIONS

The mounting procedure outlined below covers 2009 - 2014 Polaris Sportsman 400, 500, 570 & 800 models. You will need to refer to the illustrations and familiarize yourself with each of the undercarriage components and their relative position to each other. Then proceed as follows:

1. Remove vehicle front plastic lower bumper cover.
2. Remove two existing bolts from vehicle frame located below tow hook.
3. Using two 5/16"-18X1-1/2" Hex Head Bolts (A) and two 5/16" Split Lock Washers (B), position and loosely attach Skid Plate Assembly (1) to vehicle frame.
4. Using two 3/8"-16 x 1-1/4" Hex Head Bolts (C), four 3/8" Flat Washers (D), and two 3/8"-16 Nylon Lock Nuts (E), finish attaching front of Skid Plate Assembly (1) to vehicle frame. Leave fasteners loosely attached at this time.
5. Align centermost rear mount hole of Skid Plate Assembly (1) with existing hole in vehicle frame.
6. Transfer mark and center punch two outermost rear mount holes in the Skid Plate Assembly (1) to vehicle frame above. Drill both holes through vehicle frame using a 7/16" diameter drill.
7. Place Nut Plate Assembly (2) on top side of vehicle frame and align with mount holes in Skid Plate Assembly (1) below.
8. Using three 3/8"-16 x 1" (F) and three 3/8" Split Lock Washers (G) attach rear of Skid Plate Assembly (1) to vehicle frame.
9. Tighten all fasteners to recommended torque found in Figure 2.
10. Re-install vehicle front plastic lower bumper cover using existing hardware.

NOTE: THERE MAY BE INTERFERENCE WHEN RE-INSTALLING FRONT PLASTIC LOWER BUMPER COVER. SOME TRIMMING MAY BE REQUIRED.

2009 - 2014 POLARIS SPORTSMAN 400/500/570/800 ATV UNDERCARRIAGE INSTALLATION PROCEDURE

REF. NO.	DESCRIPTION	PART NO.	QTY.
1	Skid Plate Assembly	LTA13750	1
2	Nut Plate Assembly	LTA13745	1
	Fastener Kit	HDW13755	1
Includes:			
A	5/16"-18 x 1-1/2" GR5 Hex Head Bolt	HDW05530	2
B	5/16" Split Lock Washer	HDW07988	2
C	3/8"-16 x 1-1/4" GR5 Hex Head Bolt	HDW01771	2
D	3/8" Flat Washer	HDW01733	4
E	3/8"-16 Nylon Lock Nut	HDW01720	2
F	3/8"-16 x 1" GR5 Hex Head Bolt	HDW01717	3
G	3/8" Split Lock Washer	HDW01718	3

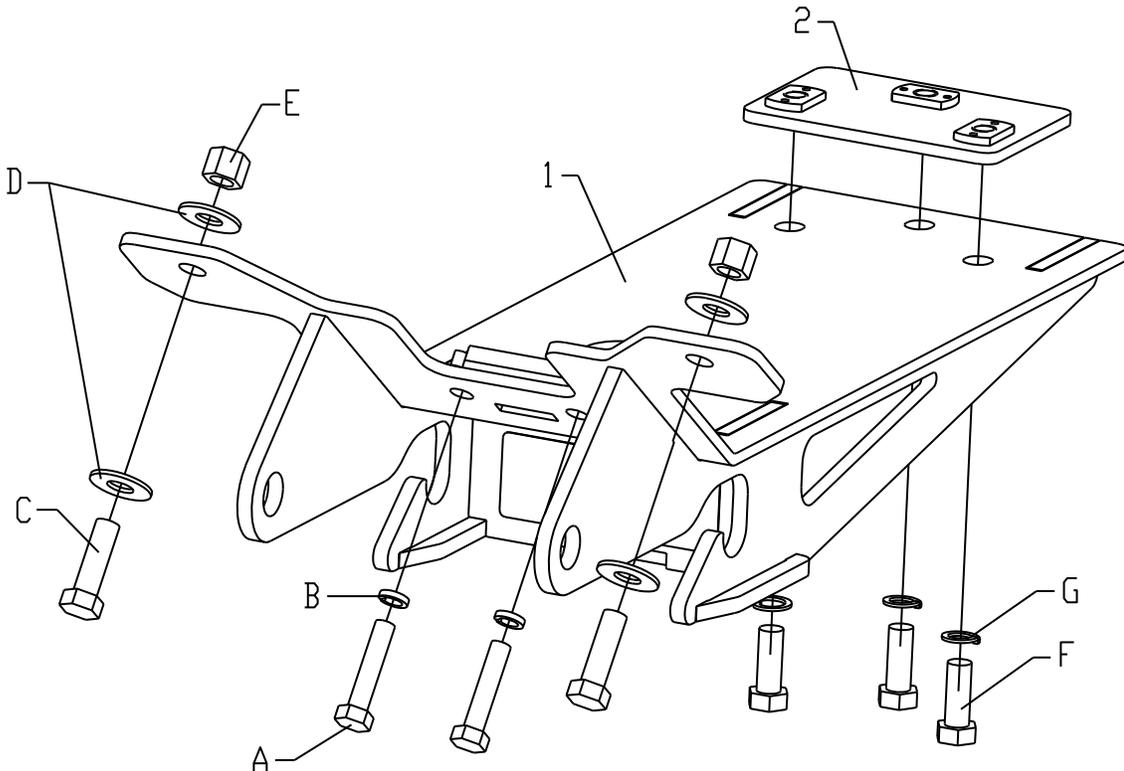


Figure 1

G10851

RECOMMENDED SUSPENSION SETTINGS

- A heavy-duty front spring kit is required for plow installation on this vehicle. See manufacturers' specifications.

GUIDE TO RECOMMENDED ASSEMBLY TORQUE



DIAMETER / PITCH	GRADE 5	GRADE 8	GRADE 8.8	GRADE 10.9
1/4-20	6	9		
5/16-18	14	19		
3/8-16	23	33		
7/16-14	38	53		
1/2-13	56	80		
9/16-12	82	116		
5/8-11	113	159		
3/4-10	201	283		
M10 X 1.25			36	
M10 X 1.5				49
M12 X 1.75				71
M14 X 2.0				80

ALL TORQUE VALUES ARE IN FOOT-POUNDS (FT.-LB.)

Figure 2

G10410

* The torque values listed above are based on dry, coated bolts. Variables such as oil or other lubrications may appreciably alter these values and must be taken into consideration.

NOTE: IT IS IMPORTANT THAT ALL FASTENERS BE PROPERLY TORQUED TO ASSURE A SAFE OPERATING PLOW. RE-TIGHTEN ALL FASTENERS AFTER 2 HOURS OF PLOWING.