



A Division of Northern Star Industries, Inc.  
P.O. Box 787 Iron Mountain, MI 49801-0787  
ISO 9001:2008 REGISTERED  
bossplow.com

**2014 & NEWER  
HONDA RANCHER/FOREMAN  
ATV UNDERCARRIAGE  
MOUNTING INSTRUCTIONS  
(PART NO. LTA13810)**

# **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.

## **2014 & NEWER HONDA RANCHER/FOREMAN ATV UNDERCARRIAGE MOUNTING INSTRUCTIONS**

The mounting procedure outlined below covers 2014 & NEWER Honda Rancher/Foreman 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 skid plate.
2. Remove two bottom bolts and two upper bolts from front bumper that attach to the frame. Lightly pull front bumper away from frame.
3. Drill out two bottom front bumper bolt holes and corresponding frame holes to 3/8".
4. Position Winch Plate Assembly (2) up against the vertical vehicle frame tubes with the front two holes corresponding to the front holes in the front of vehicle bumper.
5. Position Skid Plate Assembly (1) under front of vehicle frame. Insert two 3/8"-16 x 1-1/2" Hex Head Bolts (C) through two pre drilled 3/8" holes from step 2. Insert two 3/8"-16 x 1-1/4 x 2-1/4" U-Bolts (A) over vehicle frame tubes and through mount holes in Skid Plate Assembly (1). Tighten both 3/8"-16 x 1-1/2" Hex Head Bolts(C) and both 3/8"-16 x 1-1/4" x 2-1/4" U-Bolts (A) with 3/8"-16 Nylon Lock Nuts (D).
6. Align front mounting holes of the Skid Plate Assembly (1) and Winch Plate Assembly (2) with holes in the front bumper. Loosely attach all three using two 5/16"-18 x 1-1/2" Hex Head Bolts (G) and two 5/16"-18 Nylon Lock Nuts (B).
7. Attach Frame Bracket (5) to vertical vehicle frame tubes and Winch Plate Assembly (2) with 3/8"x 16 x 1-1/2" Hex Head Bolts (C). Be sure to insert three 3/8" Flat Washers (E) between Winch Plate Assembly (2) and Frame Bracket (5). Loosely secure with 3/8"-16 Nylon Lock Nuts (D)
8. Remove 5/16" nuts and bolts previously installed in step 4.
9. Install Mid Plate (3) and Winch Plate to vehicle bumper and Skid Plate Assembly using 5/16"-18" x 1-1/2" Hex Head Bolts (G) previously removed in step 8. Loosely attach with 5/16"-18 Nylon Lock Nuts (B).
10. Loosely attach Top Plate (4) to Mid Plate (3) using 3/8"-16 x 1-1/2" Hex Head Bolts (C). Attach Top Plate (4) to existing bracket on frame of vehicle using 3-8"-16 x 1-1/4" Hex Head Bolts (F).

11. Reinstall upper bumper bolts that were removed in step 2
12. Tighten fasteners starting with 3/8"-1-1/4" Hex Head Bolt (F) from Top Plate (4) to vehicle frame. Tighten Top Plate (4) to Mid Plate (3) using 3/8"-16 x 1-1/2" Hex Head Bolts (C). Secure Skid Plate Assembly (1), Winch Mount Assembly (2), and Mid Plate (3) by tightening 5/16"-18 x 1-1/2" Hex Head Bolts (G). Tighten Winch Plate Assembly (2) to Frame Bracket (5).
13. Tighten all fasteners to recommended torque found in **Figure 2**.

## 2014 & NEWER HONDA RANCHER/FOREMAN ATV UNDERCARRIAGE INSTALLATION PROCEDURE

REF. NO.	DESCRIPTION	PART NO.	QTY.
1	Skid Plate Assembly, Rancher 2014 +	LTA12781	1
2	Winch Plate Assembly, Rancher 2014 +	LTA12787	1
3	Mid Plate, Rancher 2014 +	LTA12790	1
4	Top Plate, Rancher 2014 +	LTA12791	1
5	Frame Bracket, Rancher 2014+	LTA12792	1
	Fastener Kit, UC, Honda Rancher, 2014 +	HDW12793	1
Includes:			
A	3/8"-16 x 1-1/4"ID x 2-1/4" U-Bolt	HDW13649	2
B	5/16-18 Nylon Lock Nut	HDW01714	2
C	3/8-16x1-1/2" GR5 Hex Head Bolt	HDW01719	6
D	3/8"-16 Nylon Lock Nut	HDW01720	12
E	3/8" Flat Washer	HDW01733	6
F	3/8-16x1-1/4 GR5 Hex Head Bolt	HDW01771	2
G	5/16-18X1-1/2" GR5 Hex Head Bolt	HDW05530	2

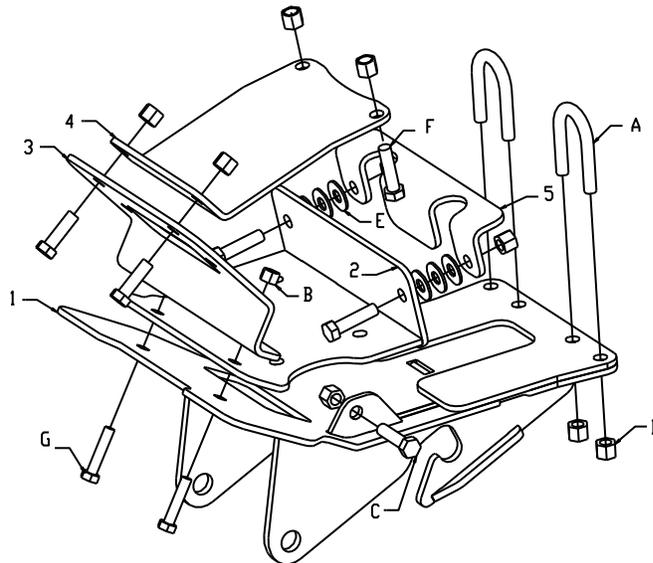


Figure 1

G10820

## RECOMMENDED SUSPENSION SETTINGS

- Increase preload of front springs to highest setting. See manufacturer's specifications for proper adjustment procedure. HD front spring kit recommended.

---

### 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.