



WINCH MOUNT INSTALLATION INSTRUCTIONS

POLARIS RANGER

PART# 4505-0692

ITEM	QTY.	PART#	DESCRIPTION
1	1	1618-1	Winch Mount Plate
2	1	1618-2	Left Mount Bracket
3	1	1618-3	Right Mount Bracket
4	10	HDW7058	5/16 Nylock Nut
5	6	HDW2050	5/16 x 3/4 Hex Bolts
6	12	HDW9002	5/16 Flat Washer
7	4	HDW2051	5/16 x 1 Hex Bolt
8	4	HDW1054	8mm x 25mm Hex Bolt

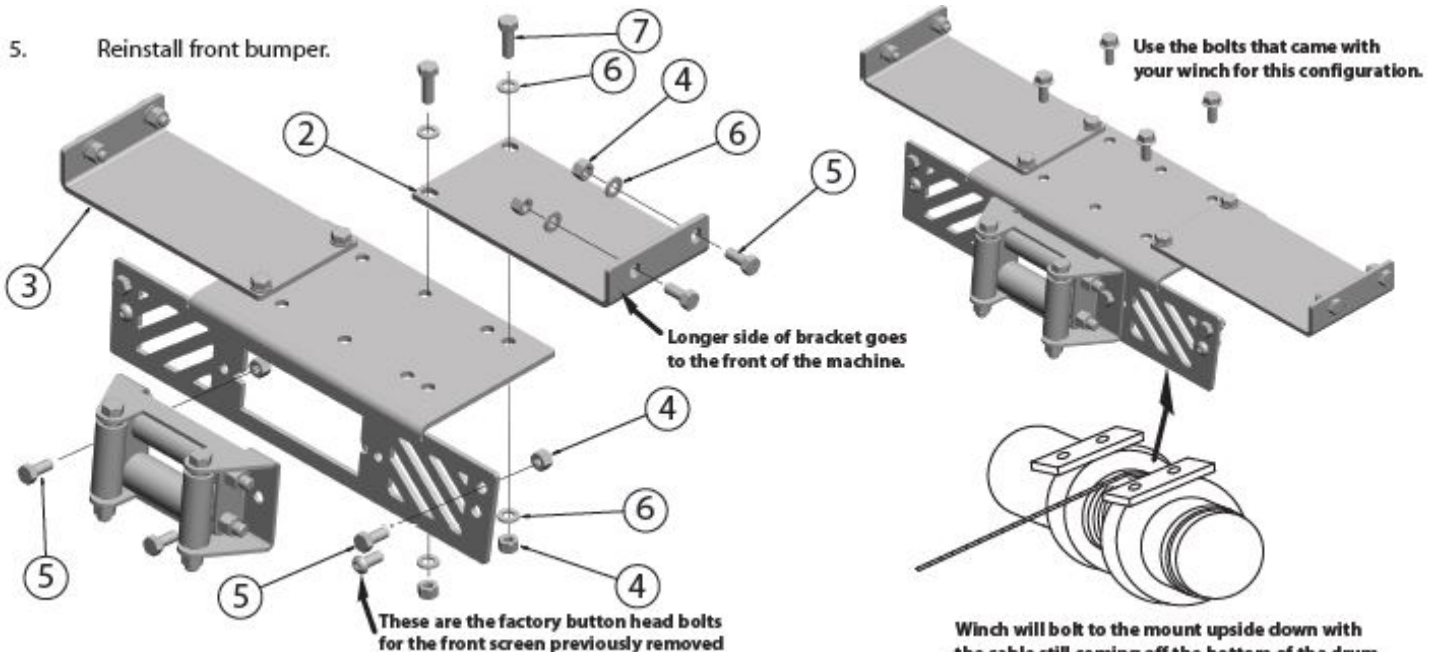
1. Remove the factory bumper from the machine. Remove the center screen out of the bumper. The mount kit and winch will install onto the bumper and then you will reinstall it to the machine.
2. Slide the main winch plate in place where you removed the center screen. Position it so the plate that extends back behind the bumper is facing up. The winch will hang upside down off this plate. Bolt the upper holes on the front of the winch mount to the bumper using two 5/16" x 3/4" hex bolts (#5) and 5/16" nylock nuts (#4). Use the two button head bolts that you removed to take off the center screen to install through the two remaining holes in the front of the winch mount.
3. Install the right and left side brackets from the horizontal upper bumper brackets to the outer holes of the main winch plate. The side brackets will go on top of the main winch bracket. **NOTE:** The left and right side brackets are different; the holes on the short sides are offset, the longer side goes to the front of the machine. See illustration. Bolt the short side of each bracket to the outside of the horizontal bumper brackets using four 5/16" x 3/4" hex bolts (#5), 5/16" flat washers (#6) and 5/16" nylock nuts (#4).

For all winches up to 3500# with the standard width drum: Bolt the side plates to the main winch plate using four 5/16" x 1" hex bolts (#7), eight 5/16" flat washers (#6) and four 5/16" nylock nuts (#4). You can now install the winch placed upside down on the mount. 2 bolt pattern winches will use the two center holes and 4 bolt pattern winches will use the four remaining outer holes. Pull some winch cable out through the fairlead hole.

NOTE: Do not use the included 8mm x 25 mm hex bolts included in this kit to mount your winch. Use the hardware that came with your winch. The added length could cause the winch housing to crack if overtightened.

For all 4000# and larger winches with the wide drum: These winches will use the outermost holes in the mount and will hold all the brackets together. Using the four 8mm x 25 hex bolts (#8) and 5/16" washers (#6), bolt the winch in place upside down through all mounting brackets. Pull some winch cable out through the fairlead hole.

4. The mount bracket accepts both size fairleads, you only need to use the set of holes that match up to your fairlead. Use hardware that came with your fairlead to mount up to winch mount. The bolts in illustration are not provided with winch mount, they now come in your winch box.



FOR QUESTIONS OR COMMENTS PLEASE CALL: 320-964-1616 (7:00 to 4:30 CST Monday through Thursday).

INST1618PF-1



Mount Installation Instructions

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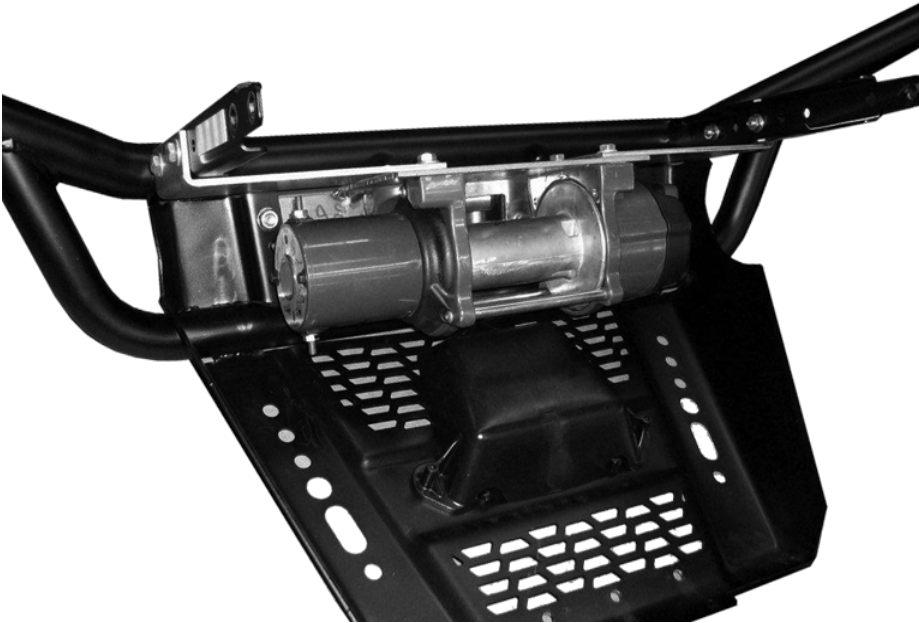


Fig 2.

Winch mounted on inside of bumper.

When mounting on the 2016 Ranger 570, the bracket in Fig 3 will need to be switched from side to side for mounting, so the end with the gap faces the radiator.

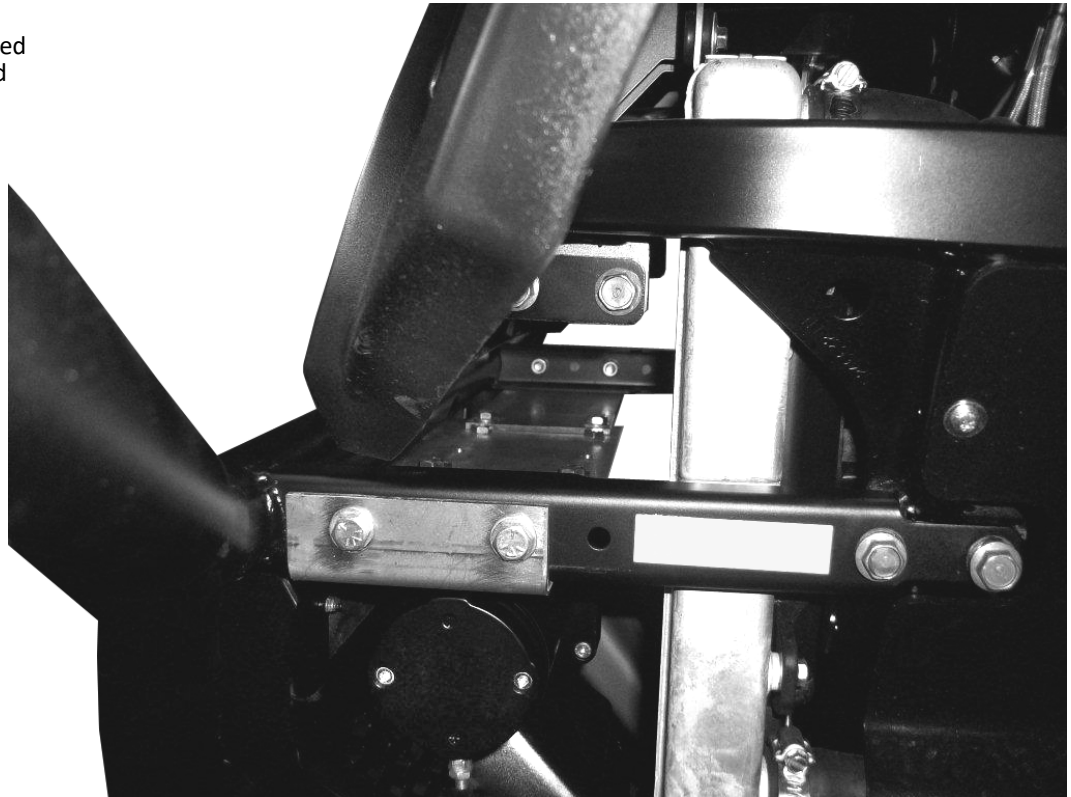


Fig 3.

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INST1618PF-2



WINCH MOUNT INSTALLATION INSTRUCTIONS

09-10 Ranger 500, 2009 Ranger 700

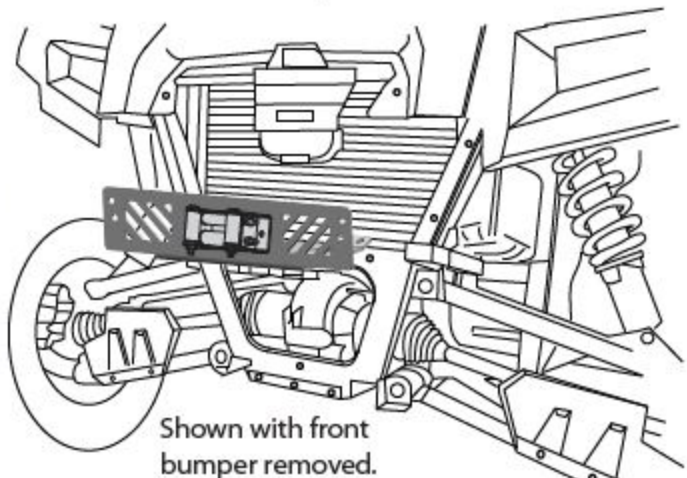
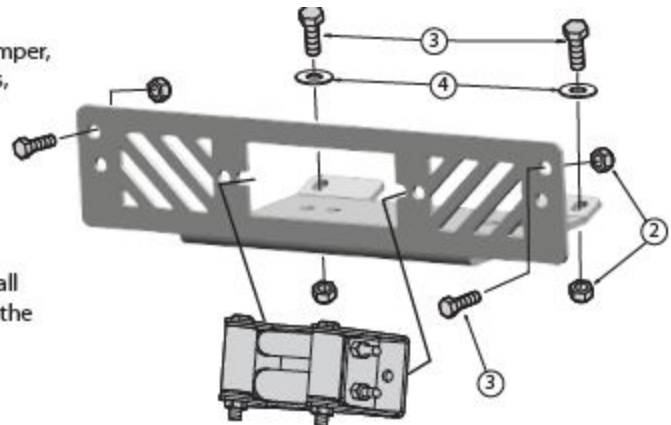
NOTE: Fairlead is not included with this kit.

10-14 Ranger 800, 2011 Ranger Diesel

PART# 4505-0689

ITEM	QTY.	PART#	DESCRIPTION
1	1	1615-1	Winch Mount Plate
2	4	HDW7058	5/16 Nylock Nut
3	4	HDW2050	5/16 x 3/4 Hex Bolt
4	2	HDW9002	5/16 Flat Washer

1. Remove the front metal screen from underneath the hood latch area and retain the hardware. Remove the one-piece front bumper assembly and retain the hardware.
2. Loosely install the back tabs of the main winch mount plate on the frame rail just beneath the radiator per the illustration. Hand tighten only with two 5/16" x 3/4" hex bolts (#3), flat washers (#4), and 5/16" nylock nuts (#2).
3. Set your winch in place on top of the mount plate but do not bolt in yet. Make sure to orientate your winch so the cable pulls off the bottom of the drum. Pull a small amount of cable out through the fairlead hole in the mount plate.
4. Put the front bumper back in place on the machine but do not tighten the bolts yet. Using two 5/16" x 3/4" hex bolts (#3) and 5/16" nylock nuts (#2), bolt the front bumper to the two upper corners of the winch plate on each side of the fairlead. Hand tighten only. See Illustration.
5. This mount accepts wide and narrow fairleads. Use the hardware provided with winch to mount fairlead.
6. You can now tighten all the bolts starting with the front bumper, front winch plate mount bolts, rear winch plate mount bolts, and roller fairlead bolts.
7. Using the hardware that came with your winch, bolt the winch to the plate. Using the instructions provided with the winch, wire accordingly.
8. Reinstall front metal screen using original hardware. Reinstall stock large black Torx bolts into the two remaining holes in the front of the winch mount



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INST1615PF



PLOW MOUNT INSTALLATION INSTRUCTIONS

08-14 RZR 800 / 11-14 Ranger 400-500-570

03-08 Ranger 500-700 / 12-14 RZR 570

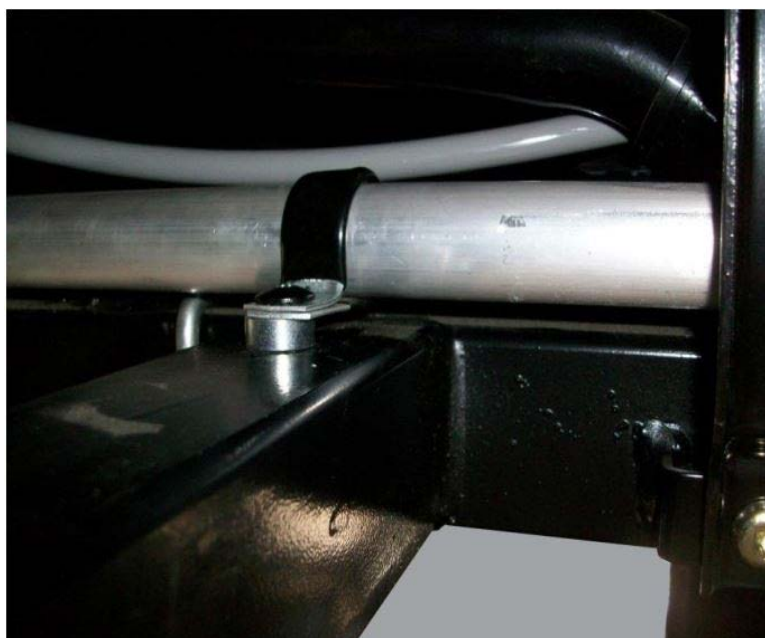
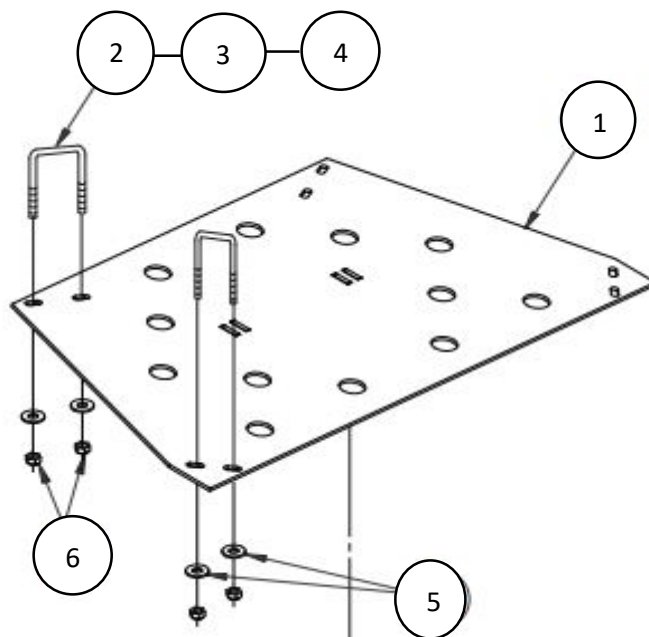
13-14 Ranger 800 Mid / 2012 Ranger EV

06-13 Prowler 550-650-700-1000

12-14 Bobcat 3400

ITEM	PART#	QTY.	DESCRIPTION
1	2754-70	1	Plow Mount Weldment
2	HDW9063	4	5/16 x 1-1/2 x 4-1/4 Sq U-Bolt
3	HDW9062	4	5/16 x 2 x 3-1/2 Sq U-Bolt
4	HDW2073	2	5/16 x 1-1/2 x 3-1/2 Sq U-Bolt
5	HDW9002	8	5/16 Flat Washer
6	HDW7058	8	5/16 Nylock Nut
7	HDW9412	1	5/8rd x 1/4Lg Spacer Tube

PART# 4501-0630



ARCTIC CAT PROWLER

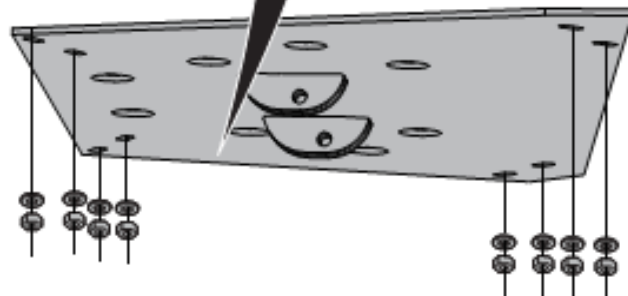
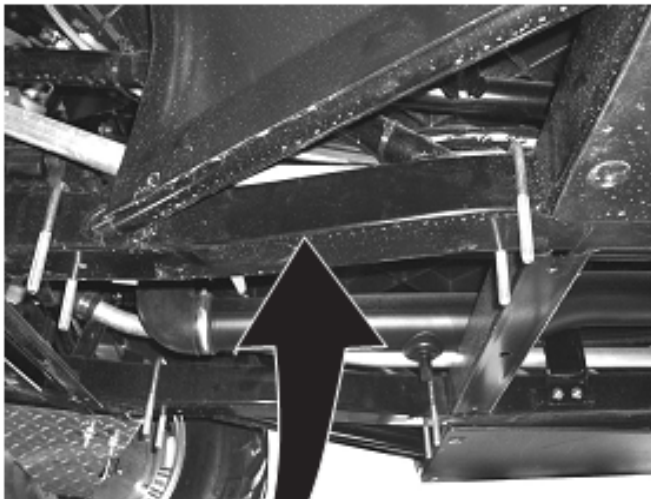
On some of the Prowlers you will need to use the spacer which will go under the rubber clamp that holds a coolant line to the floor board support. This spacer will go under the clamp to raise up the line to make clearance for a mounting u-bolt. It is not required on all models.

BOTTOM MOUNT INSTALLATION INSTRUCTIONS

ARCTIC CAT PROWLER

1. Hang u-bolts over the main frame tubes as illustrated. The narrow side of the mount goes toward the front of the machine. **Note: Skid plates can either be removed for installation, or holes can be drilled into the skid plate where the u-bolts hang.** Use four 2" x 3.5" square u-bolts around the frame tubes.
2. See diagram #2 below for which holes to use for the Prowler. Install the bottom mount onto the u-bolts and install flat washers and nylock nuts. Tighten firmly.
3. Slide the blade/push tube assembly under the ATV. Lift the rear of the assembly up and align the holes in the bottom mount tabs and push tube and install the wire loop pins.

← Front of Machine

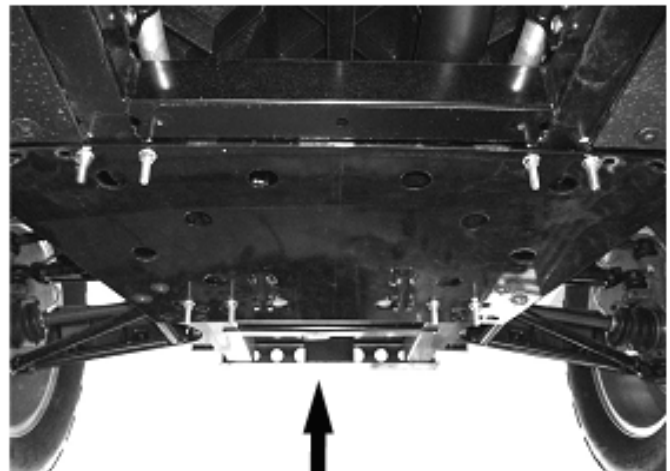


U-BOLTS:

For Prowler:

- Use (4) HDW9062 2" x 3.5" U-bolts

NOTE: YOU MAY WANT TO CUT OFF ANY EXCESS THREADS FROM THE U-BOLTS AFTER INSTALLATION.



↑ Front of Machine

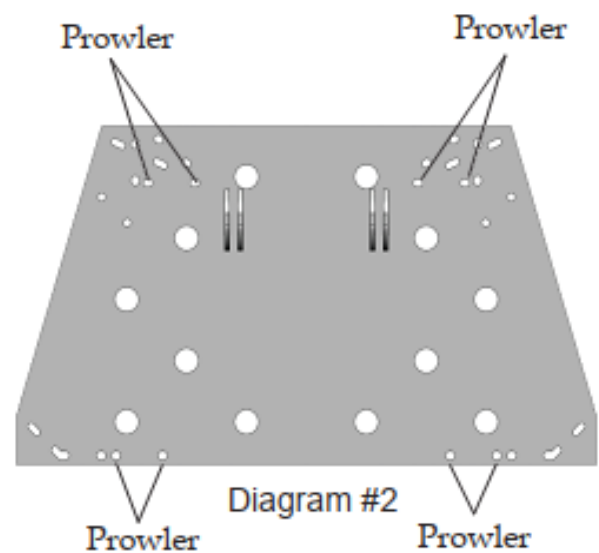


Diagram #2

INST2754PF

BOTTOM MOUNT INSTALLATION INSTRUCTIONS

POLARIS RZR 570/800

1. Hang u-bolts over the main frame tubes as illustrated. The narrow side of the mount goes toward the front of the machine. **Note: Skid plates can either be removed for installation, or holes can be drilled into the skid plate where the u-bolts hang.** For the front of the mount use two 2" x 3.5" square u-bolts, and the rear will use two 1.5" x 4 - 1/4" square u-bolts. NOTE: You may have to push the plastic floor up using a pry-bar to get the u-bolts in place.
2. See diagram #2 below for which holes to use for the RZR. Install the bottom mount onto the u-bolts and install flat washers and nylock nuts. Tighten firmly.
3. Slide the blade/push tube assembly under the ATV. Lift the rear of the assembly up and align the holes in the bottom mount tabs and push tube and install the wire loop pins.
4. Some 2014 and newer models have a welded steel bottom pan that will require drilling two holes for the front inner u-bolts. Bolt the back of the mount in place making sure to line up the front holes over the frame rail. Use the front inner hole in the mount as a template to drill a 3/8" hole through the steel pan.

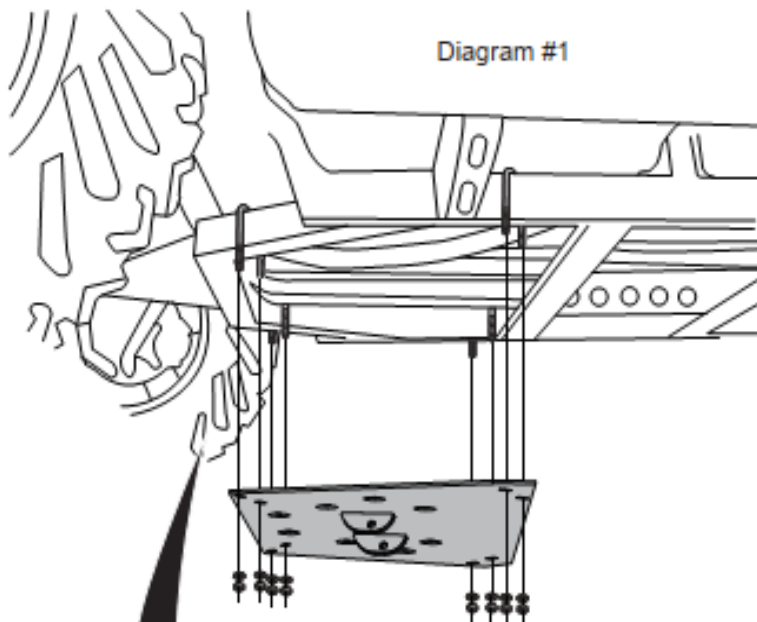


Diagram #1

U-BOLTS:

For RZR:

- Use (2) HDW9062 2" x 3.5" U-bolts in front and (2) HDW9063 1.5" x 4.25" in back.

NOTE: YOU MAY WANT TO CUT OFF ANY EXCESS THREADS FROM THE U-BOLTS AFTER INSTALLATION.

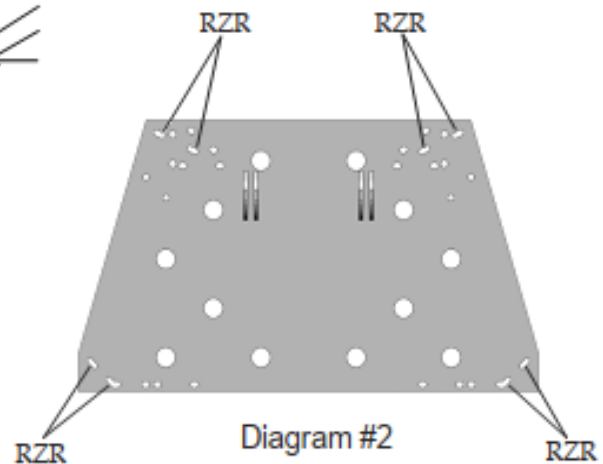
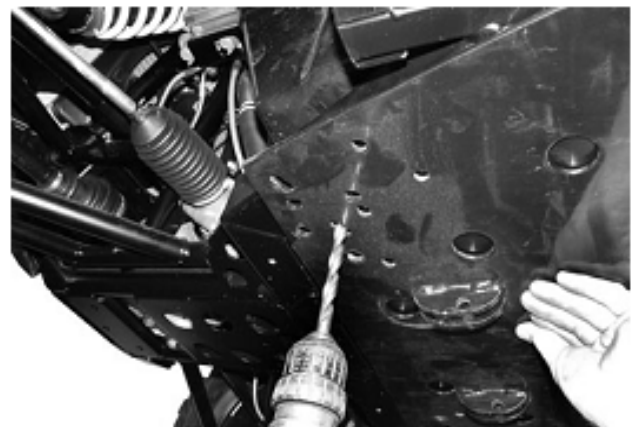


Diagram #2

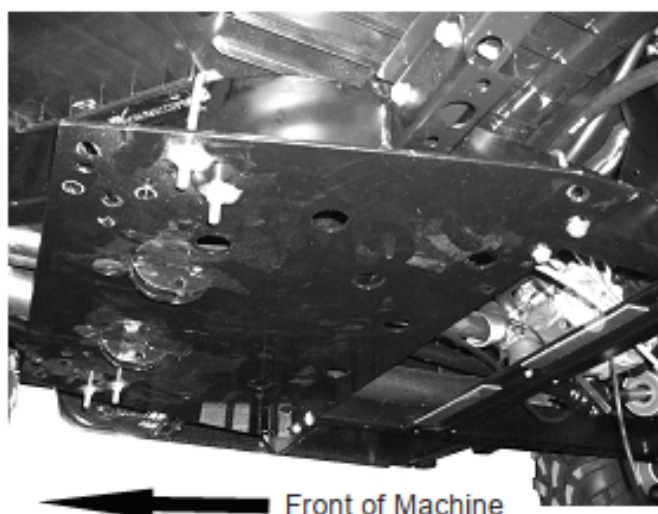
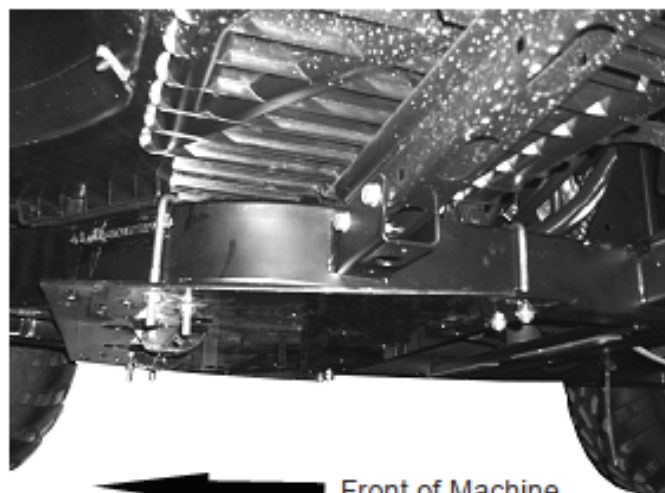


Drill through the steel skidpan for the front inner holes on 2014+ models.

BOTTOM MOUNT INSTALLATION INSTRUCTIONS

2011-13 POLARIS RANGER 400/500

1. Hang u-bolts over the main frame tubes as illustrated. The narrow side of the mount goes toward the front of the machine. **Note: Skid plates can either be removed for installation, or holes can be drilled into the skid plate where the u-bolts hang.** Use four 1.5" x 4-1/4" square u-bolts. **NOTE:** You may have to push the plastic floor up using a pry-bar to get the u-bolts in place.
2. See diagram #2 below for which holes to use for the Ranger. Install the bottom mount onto the u-bolts and install flat washers and nylock nuts. Tighten firmly.
3. Slide the blade/push tube assembly under the ATV. Lift the rear of the assembly up and align the holes in the bottom mount tabs and push tube and install the wire loop pins.

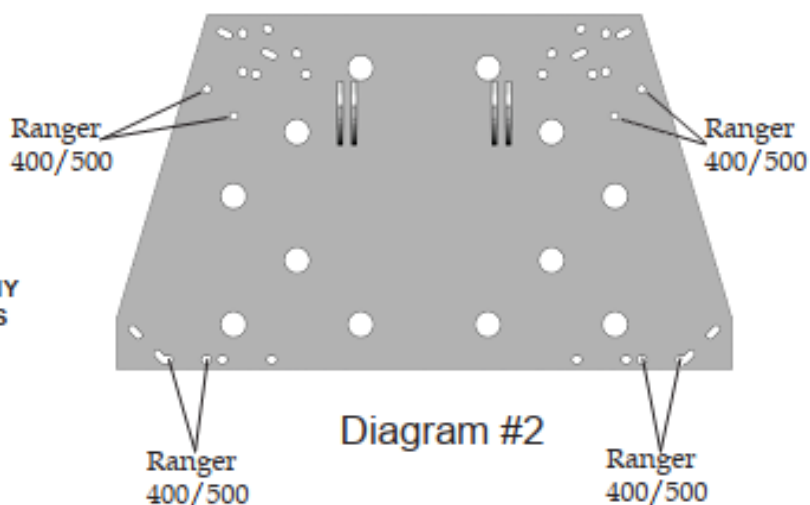


U-BOLTS:

For Ranger 400/500:

Use (4) HDW9063 1.5" x 4.25" u-bolts.

NOTE: YOU MAY WANT TO CUT OFF ANY EXCESS THREADS FROM THE U-BOLTS AFTER INSTALLATION.





PLOW MOUNT INSTALLATION INSTRUCTIONS

POLARIS

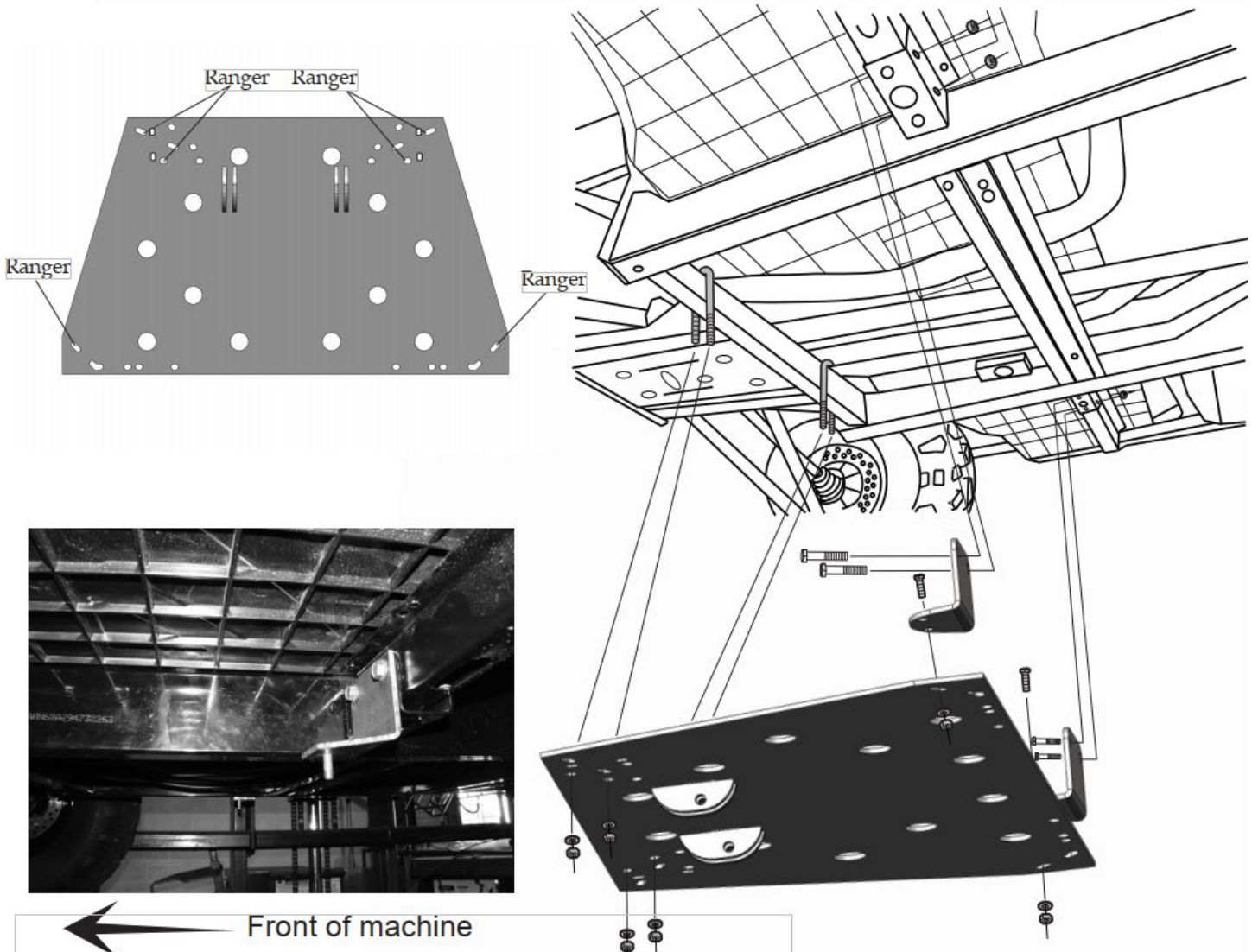
09-14 RANGER 700/800 XP

09-10 RANGER 500 / 2011 RANGER DIESEL

PART# 4501-0636

ITEM	PART#	QTY.	DESCRIPTION
1	2754-70	1	Plow Mount Weldment
2	2765-1	2	L-Shaped Mounting Bracket
3	HDW2406	2	5/16 x 2 x 3 Sq. U-Bolt
4	HDW2051	2	5/16 x 1 Hex Bolt
5	HDW9035	4	5/16 x 2-1/2 Hex Bolt
6	HDW9002	6	5/16 Flat Washer
7	HDW7058	10	5/16 Nylock Nut

Remove the stock skid plate. The two L-Shaped brackets will bolt to the inside of the frame tube that supports the floor board area. (See Diagrams) There are two self tapping style screws in this location you will remove then install L-shaped bracket at this location on each side with the L facing forward and use the 5/16 x 2-1/2 hex bolts with nylock nuts to secure. You may have to drill out the hole on some year machine. NOTE: You will need to mark and drill skid plate if you want to retain the factory skid plate on. Hang the square u-bolts over the frame cross member tube as shown, now place mount up onto the u-bolt and place the flat washers and nylock nut on to u-bolts. Swing the mount up to the L-brackets and mount with the 5/16 x 1 hex bolts and flat washers and nylock nuts going in the far outside hole. Align mount and tighten securely. Push tube will pin up to tabs with wire loop pins supplied with push tube kit.



QUESTIONS OR COMMENTS CALL 320-964-1616 7:00 to 4:30 CST Mon. – Thur.

INST2765PF



MOOSE V-PLOW INSTRUCTIONS

PART# 4501-0841 PUSH TUBE

PART# 4501-0842 LEFT BLADE

PART# 4501-0843 RIGHT BLADE

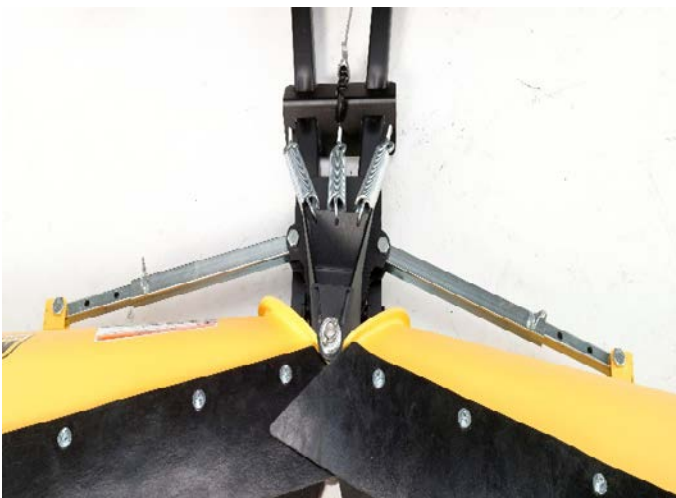


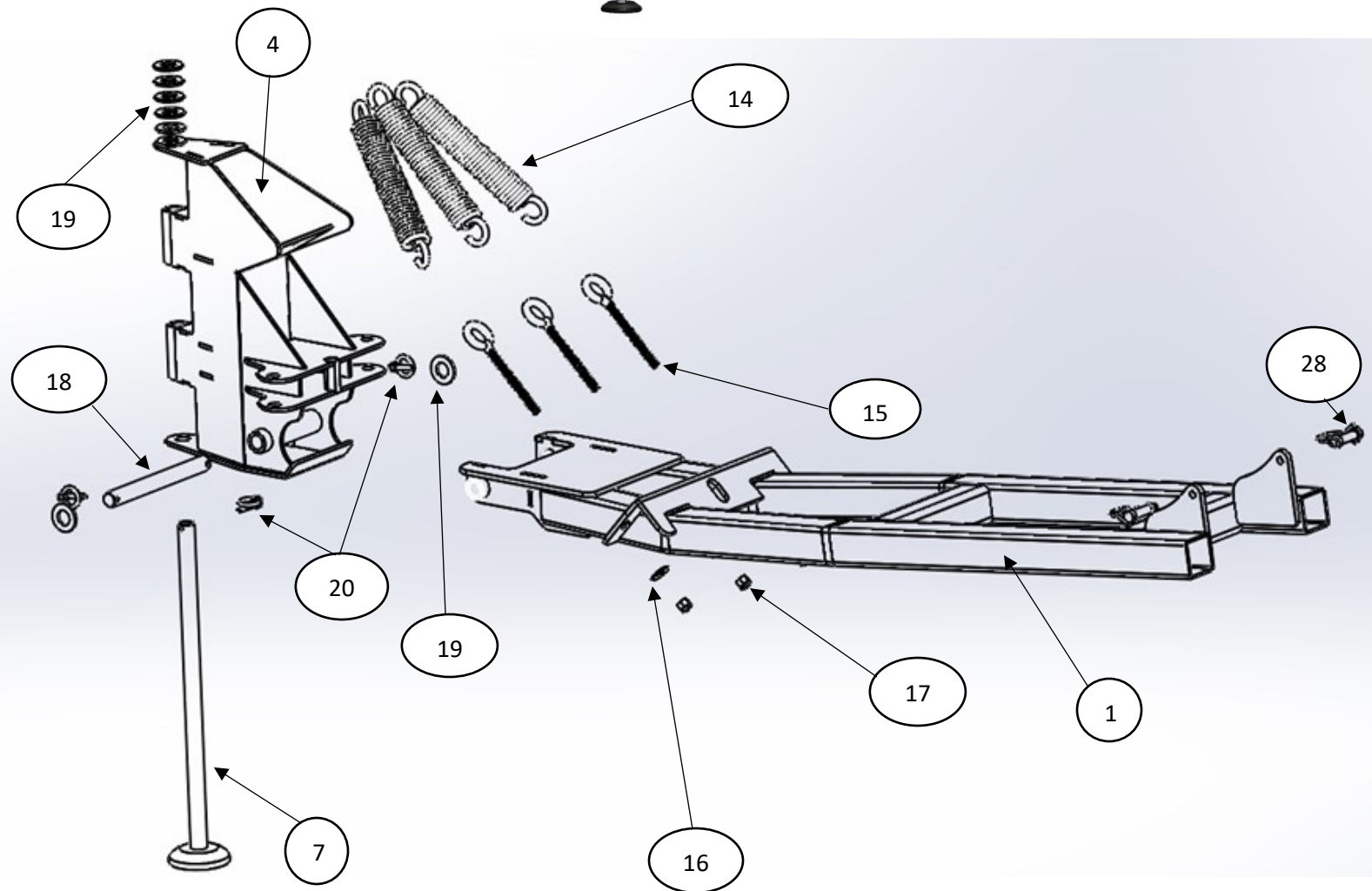
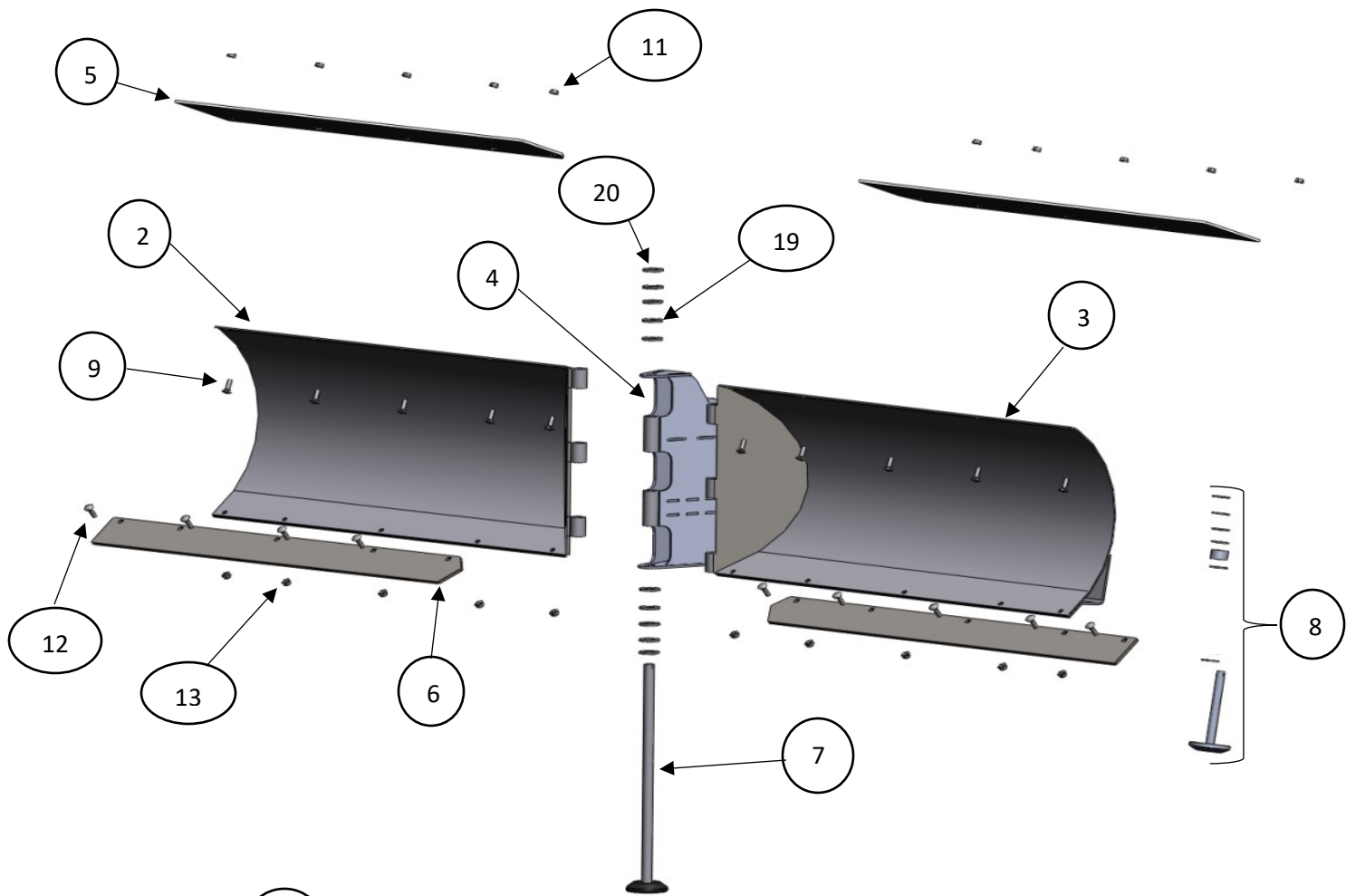
ITEM	PART#	QTY.	DESCRIPTION
1	2718-100	1	Push Tube Weldment
2	2718PF-R	1	72" V-Plow Right Blade
	2719PF-R	1	82" V-Plow Right Balde
3	2718PF-L	1	72" V-Plow Left Blade
	2719PF-L	1	82" V-Plow Left Blade
4	2718-200	1	Center Support
5	2718-115	2	72" Rubber Flaps
	2719-115	2	82" Rubber Flaps
6	2718-120	2	72" Wear Bar
	2719-120	2	82" Wear Bar
7	2718-400	1	Center skid Pin
8	2550PF	2	Blade Skid
FLAP HARDWARE (BB2567) per blade			
9	HDW2069	7	5/16 x 3/4 Carriage Bolt
10	HDW9003	7	5/16 Flat Washer
11	HDW7058	7	5/16 Nylock Nut
WEARBAR HARDWARE (per blade)			
12	HDW2064	5	5/16 x 1 Carriage Bolt
13	HDW7056	5	5/16 Whiz Nut
BLADE SPRING HARDWARE (BB2718-2)			
14	HDW2369	3	Blade Spring
15	HDW2117	3	3/8 x 6 Eye Bolt
16	HDW9029	3	3/8 USS Flat Washer
17	HDW7061	3	3/8 Nylock Nut
TRIP PIN PARTS & HARDWARE (BB2718-1)			
18	2713-204	1	Trip Pin
19	HDW9017	2	3/4 Flat Washer
20	HDW2315	2	3/16 x 1 Lynch Pin
21	HDW9110	1	1/2 x 2 Hex Bolt
22	HDW7078	1	1/2 Hex Nut
23	HDW9006	8	5/8 Flat Washer
MANUAL ADJUST ARMS (BB2718-3)			
24	2718-113	2	Outer Adjustment Tubes
25	2718-114	2	Inner Adjustment Tubes
26	HDW9440	4	5/8 x 2-1/2 Hex Bolt
27	HDW9438	4	5/8 Nylock Nuts
28	HDW2323	2	3/8 Wire Loop Pins

QUESTIONS OR COMMENTS CALL 320-964-1616

7:00 to 4:30 CST Monday thru Thursday

INST2718PF





V-PLOW ASSEMBLY

V-Plow comes in three boxes right blade, left blade and push tube. You will need to buy a bottom mount plate for your machine to mount this to if you do not have one installed already.

The blades come with wear bar installed on them and the rubber flap will be zip tied to the blade along with the rubber flap bolt bag (BB2567). The push tube box will have all other hardware and components in it.

INSTALLATION

Open push tube box and remove other parts. The center support will be in a box by it's self, all other hardware and parts are in the parts box.

Remove blades from box do not install flaps at this time. Place right and left blades on ground upside down and slide together. Now set the Center Support down in place. You will use item (4) 2718-400 Center skid to slide up and through all the tubes connecting the blades to center support. (start with two 3/4" washers on center skid post and then slid up and through) You may have to tap through with a rubber mallet. On top use the remainder of the 3/4" washer and 1 – 3/16 hair pin clip. Flip blade on edge so wear bars are on ground.

You can now install the rubber flaps with the hardware that was zip tie with flap. The carriage bolts will go up through the blade and then through the flap with washer and nylock nut on top. NOTE: the center of the flap will overlap each other this is to keep snow dust down even when angled. You may have extra carriage bolts so just disregard those.

You can slide the push tube up in place and use item (15) Trip Pin (2713-204) to connect push tube to center support down at the bottom. Place a 3/4" washer on each side one pin in through and use 2 – 3/16 lynch pins to secure with one on each side.

Hook the blade springs item (11) to the upper part of the center support and then place the eye bolt on the other end and then through the holes on the bracket on the push tube and secure with the 3/8 nylock nuts. NOTE: there are three springs to hook up, the tension can be adjusted by tightening the with the nuts.

Place the manual adjusting tubes in place first with the larger of the tube going to the center support and use the 5/8 x 2-1/2 hex bolt and nylock nut to secure. There are some 5/8 washers you can use to center the tube in the bracket or to keep from rattling to much. Next slide the smaller adjust tube into the larger one and secure the end with the large hole to the blade use the other 5/8 x 2-1/2 hex bolt and nylock nuts. You may also use washers here to center tube in bracket. You will use to of the 3/8 wire loop pins in the adjustment holes.

The 1/2 x 2 hex bolt and nut are trip stop bolt and toward the bottom of the center support there is a 1/2 Nut welded in and this bolt will go up from the bottom into this nut but place regular nut on bolt first and then thread in to center support then adjust to get you correct blade pitch when blade is all the way in back position and tighten jam nut to secure.

The back of the push tubes will pin up to your bottom mount with the remaining two 3/8 wire loop pins.

OPERATING INSTRUCTIONS

READ BEFORE OPERATING

Customer must receive a copy of these instruction at time of purchase

DANGER

Remove bottom mount and or front mount before doing any trail riding

To avoid serious injury and or death:

- 2 – Always use extreme caution while operating the plow on slopes, grades or slippery surfaces.
- 3 – Stay clear of blade and other moving parts during operating the plow.
- 4 – When plow never ram the pile of snow or frozen objects.
- 5 – Always back up before raising the plow blade.
- 6 – Beware of your area and avoid hitting frozen objects at all costs.

WARNING

To avoid personal or other injury:

- 1 – Read your machines operators manual.
- 2 – Always wear safety apparel when operating machine such as, Boots, Gloves, Helmet, Eye Protection and never wear loose clothing
- 3 – Never allow riders or passengers on machine while operating.
- 4 – Always make sure machine is off and brake is locked before making any adjustments to plow system
- 5 – Always keep blade in down position when not in use or when working on.

OPERATION

FOR SAFE OPERATION:

- 1 - The blade and plow mount system were designed with safety in mind to protect you and your machine, certain parts a designed to fail when the system is over stressed.
- 2 – When adjusting the blade angle make sure blade is off the ground a little and lock blade up and Turn off machine. Always make sure the blade position pin is locked in place and pin is all way Through the swivel.
- 3 – Always double check the nuts and bolts to make sure everything is secure and tight.
- 4 – Always know your surroundings and what you are plowing.
- 5 – Never exceed more than 5 mph or (8 kph) when plowing.
- 6 - Never have any passengers aboard machine while plowing.
- 7 - Always wear the proper gear and safety clothing when operating the plow system.
- 8 - Never hit or ram and large or frozen snow banks.
- 9 - When plow is not in use lower it to the ground and turn off machine and lock the brake.
- 10 – The plow system is only intended for snow and not to be used to move any other objects especially any frozen objects.
- 11 – This plow is not to be used for commercial use at all
- 12 – Make sure you are familiar with operating the machine and plow before doing so and always Read the operator's manual.