



KFI Hybrid Mount

Installation Manual



Manual Conventions

This manual uses the following symbols to help differentiate between different kinds of information. The safety symbol is used with a key word to alert you to potential hazards in operating and owning a plow.

Follow all safety messages to avoid or reduce the risk of serious injury or death.

DANGER

DANGER indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

WARNING

WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

To help you make informed decisions regarding safety, we have included instructions and information on labels. This information is provided with the intent to help avoid potential hazards that may harm you or others. It is, in no way, possible for us to inform you of every hazard you may come across with this product.

Safety Rules

WARNING

- Read this manual thoroughly before using this mount. Failure to follow instructions could result in serious injury or death.
- Make sure that all nuts and bolts are tightened per installation instructions.
- Never operate this KFI product with missing or damaged parts.
- Always perform regular inspections and maintenance on mount and hardware before use.

CAUTION

- Use care when lifting components into place.

CAUTION

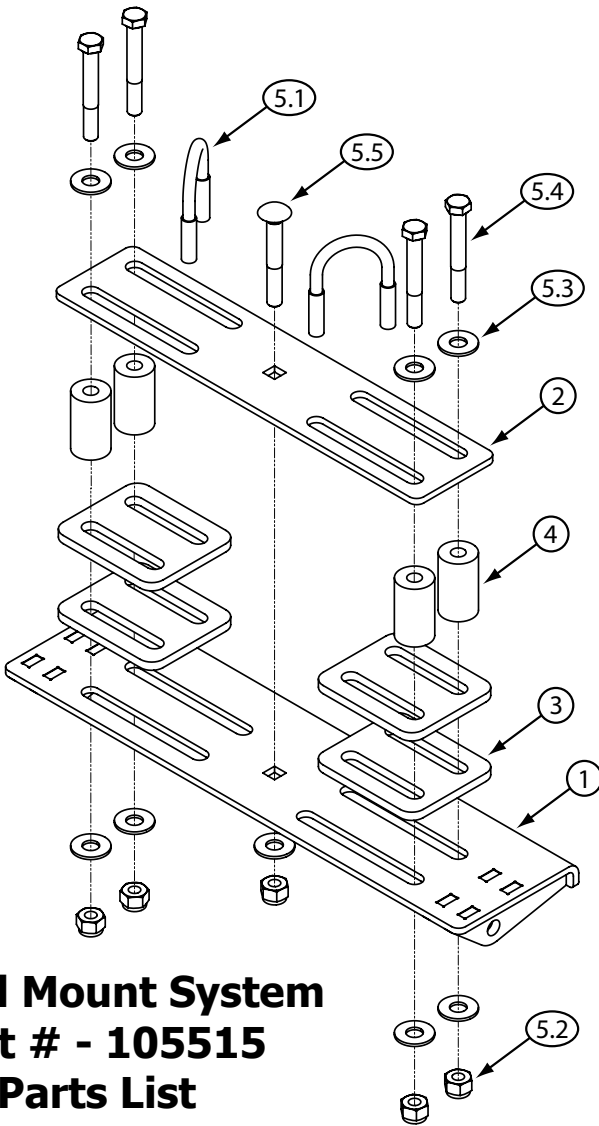
CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

CAUTION

CAUTION used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.

NOTE

If you have questions regarding your mount, we can help. Please call our help line at 1-877-346-2050.



Hybrid Mount System Part # - 105515 Parts List

1	105112	HYBRID LOWER MNT PLT WLDMT	1
2	105104	HYBRID UPPER MOUNT PLATE	1
3	105119	HYBRID MOUNT SPACER	4
4	P800335	HYBRID RUBBER MOUNT SPACER 1.00 X 1.75	4
5	HK-144	HARDWARE KIT	1
5.1	P800301	3/8"-16 X 1 1/2" X 2 1/2" X 1 1/4" U-Bolt	2
5.2	HNNL-ZP-0375-16	3/8-16 HEX NYLOCK NUT, STEEL, ZINC	5
5.3	FW-USS-ZP-0375	3/8 FLAT WASHER, USS, STEEL, ZINC PLATED	9
5.4	HC-G5-ZP-0375-16-2_75	3/8-16 x 2 3/4 HEX CAP SCREW, FULL THREAD, SAE GRADE 5 STEEL, ZINC PLATED	4
5.5	CB-ZP-0375-16-2_75	3/8-16 x 2 3/4 CARRIAGE BOLT, STEEL, ZINC PLATED	1

Hybrid Mount Installation Instructions

Determine which frame type you have.

Read general install notes below before proceeding.

1. For Round Tube Frames Proceed To Page 5
2. For Square Tube Frames Proceed To Page 6
3. For Polaris Sportsman Proceed To Page 7

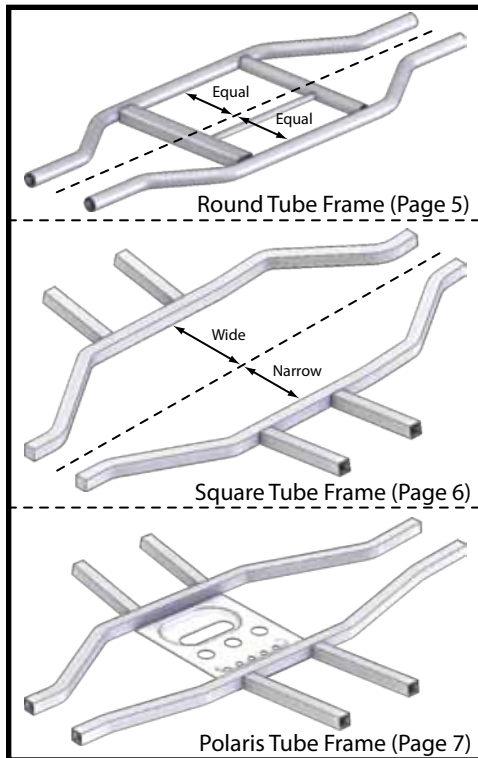
General Install Notes:

- Be sure that when installing the mount it is centered on your machine. Some frames are not perfectly centered as shown in Figure 1.

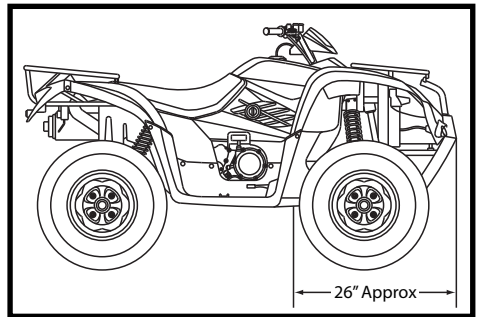
CAUTION

Take care when installing mount fasteners. Damage could occur to the vehicle if installed improperly.

- The Approximate Distance that tab holes can be from the front of the machine is 26 inches as shown in Figure 2. Every machine can vary because of ATV front contour.
- Plow Springs should not hit ATV when plow is angled fully.



"Figure 1" Tube Frame Type



"Figure 2" Approximate Mount Distance

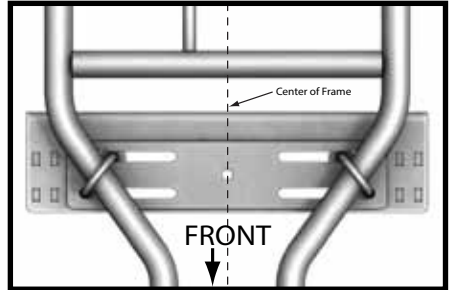
Hybrid Mount Round Tube Frame Install

1. Place the Hybrid Lower Mount Plate up to the frame at the location behind the front tires where the frame widens out, as shown in Figure 3. Determine the location allowing the mount to be centred, back as far on the frame as possible and the push tubes to be attached. Keep the mount holes within the approximate distance from the front of your machine. See Page 4, Figure 2.
2. Install the U-Bolts to the frame in the locations that were determined in step one.

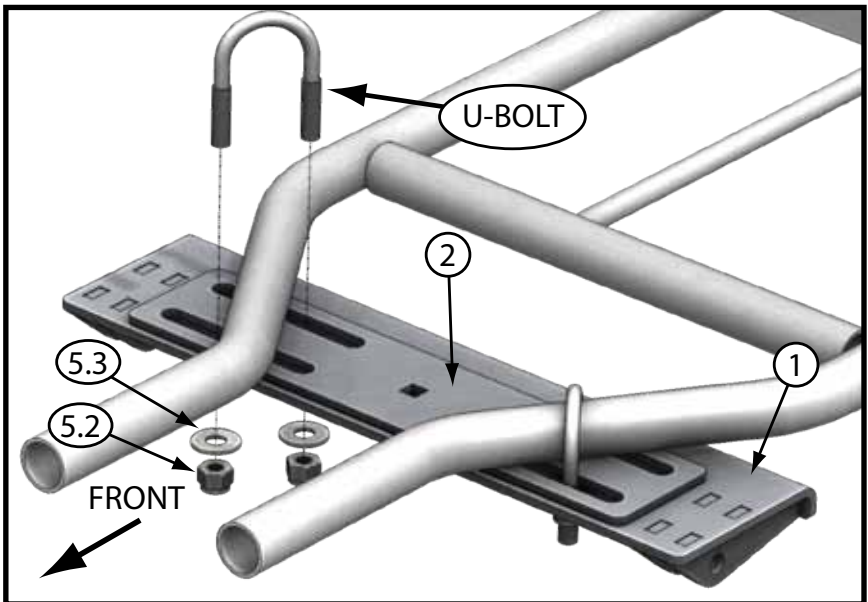
Note: If there is a skid plate installed and you do not wish to remove it, you will need to mark the locations where the U-Bolts will be installed and drill holes.

3. **Optional:** Place the Upper Mount Plate on top of the Lower Mount Plate as shown in Figure 4. This is not required but adds strength to the mount for less flex when plowing.

4. Install the plate assembly to the U-Bolts using the washers (5.3) and 3/8" Nuts (5.2) provided with the mount.
5. Center the mount on the machine and tighten all bolts evenly.



*“Figure 3” Round Tube Mount Placement (Top View)
Frame configurations will vary.*



“Figure 4” Hybrid Mount Round Tube Install

Hybrid Mount Square Tube Frame Install

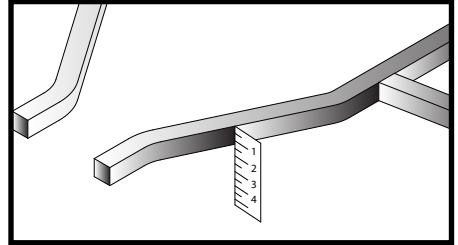
1. Check to see if the U-Bolts will fit over your tube frame. If they do it is recommended to use the U-Bolts (See round tube install, Page 6). If they do not proceed to step 2.
2. Measure the thickness of your tube frame and skid plate (if installed) see Figure 5. Then cut the provided rubber spacers to a 1/4" longer than the thickness of the tube frame.
3. Place the Upper Mount Plate (2) over the frame at the location behind the tires where the frame widens out. Refer to Figure 6 for best fastener placement.
4. Determine the location allowing the mount to be centred, back as far on the frame as possible and the push tubes to be attached. Keep the mount holes within the approximate distance (26") from the front of your machine. See Page 5, Figure 2.
5. Loosely install the upper mount plate (2) and lower mount plate (1) using the rubber spacers (4), 3/8" bolts (5.4), 3/8 carriage bolt (5.5), nuts (5.2) and washers (5.3) provided with your mount.

Note: If there is a skid plate installed and you do not wish to remove it, you will need to mark the locations where the bolts will be installed and drill holes. Install the hardware with the head of the bolts towards the ground if possible. This will maximize ground clearance. See Figure 7. If not you can cut the bolts after install.

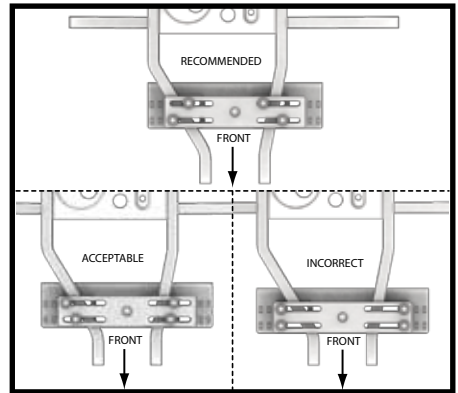
Note: If the upper mount plate (2) doesn't fit because of obstruction you may substitute the spacer plates (3) for the upper mount plate as shown in Figure 8.

6. Tighten all bolts evenly. Carriage bolt only needs to be snug to plate as its purpose is to keep both plates from bending in the center.

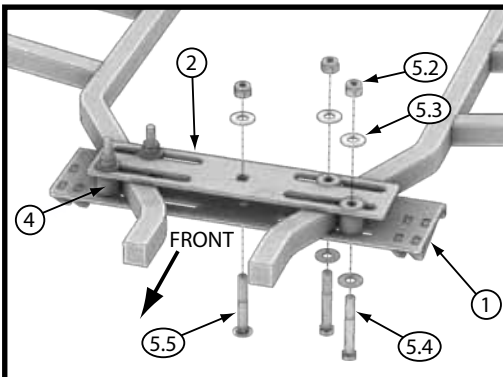
Note: Ensure that the rubber spacers are tight against the frame before tightening the bolts. If this is done incorrectly the mount could move and the plow may damage your machine.



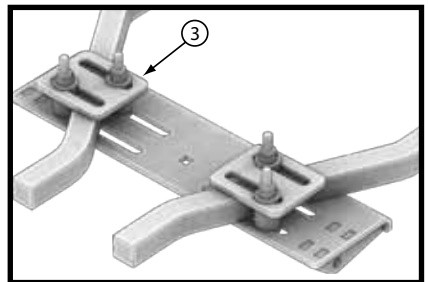
“Figure 5” Frame Measurement



“Figure 6” Fastener Placement



“Figure 7” Hybrid Mount Square Tube Install



“Figure 8” Hybrid Mount Square Tube Install Using Spacer Plates.

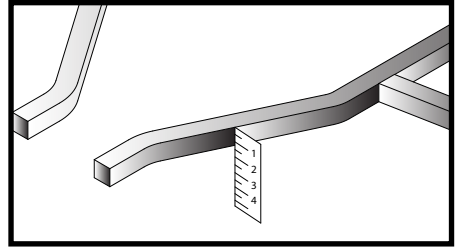
Hybrid Mount Polaris Sportsman Install

1. Measure the thickness of your tube frame and skid plate (if installed), see Figure 9. Then cut the provided rubber spacers to a 1/4" longer than the thickness of the tube frame.
2. Place the Upper Mount Plate (2) over the frame at the location behind the tires where the frame widens out. Refer to Figure 10 for best fastener placement.
3. Determine the location allowing the mount to be centred, back as far on the frame as possible and the push tubes to be attached. Keep the mount holes within the approximate distance (26") from the front of your machine. See Page 5, Figure 2.
4. Loosely install the upper mount plate (2), 4 spacer plates (3) and lower mount plate (1) using the rubber spacers (4), 3/8" bolts (5.4), 3/8 carriage bolt (5.5), nuts (5.2) and washers (5.3) provided with your mount. See Figure 11.

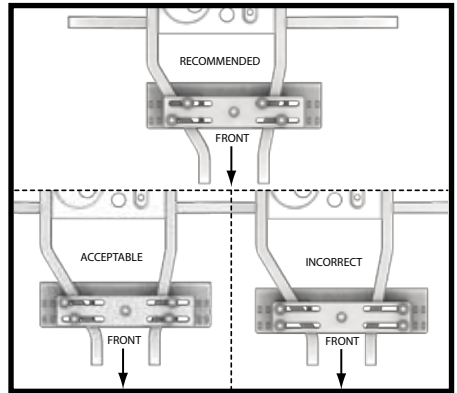
Note: If there is a skid plate installed and you do not wish to remove it, you will need to mark the locations where the bolts will be installed and drill holes.

5. Tighten all bolts evenly. Carriage bolt only needs to be snug to plate as its purpose is to keep both plates from bending in the center.

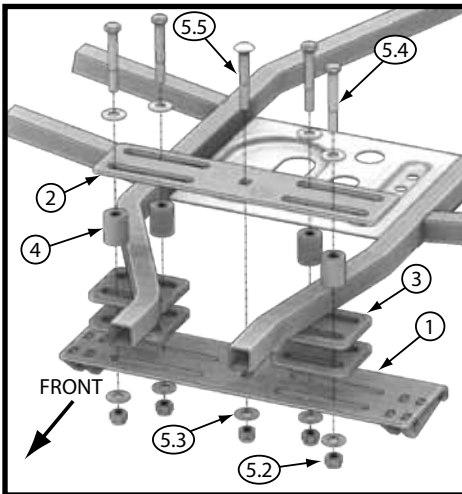
Note: Ensure that the rubber spacers are tight against the frame before tightening the bolts. If this is done incorrectly the mount could move and the plow may damage your machine.



"Figure 9" Frame Measurement



"Figure 10" Fastener Placement



"Figure 11" Hybrid Mount Sportsman Install



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