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Grill Guard Installation Guide

4105 with the H165 loader

Thank you for your purchase! We want you to be completely satisfied with our products. If you have any questions or concerns, please reach out via the contact information above and we will do all that we can to assure your experience with us is a positive one.



Qty: 6 - 3/8" x 1" SS
Button Head Screw



Qty: 6 - 3/8" SS
Nylon Lock Nut



Qty: 6 - 3/8" SS
Washer

Required / suggested tools:

Wrenches / sockets for lower pivot bolt hardware

Spring clamps

Permanent marker

Center punch

Hammer

1/8" drill

3/8" drill

Drill motor

9/16" wrench or 9/16" socket wrench

7/32" L key (allen wrench)

Below is the process for installing your grill guard on your tractor.

- 1) Remove each of the nuts and washers from the pivot bolts at the bottom on each side of the factory brush guard.
- 2) Slide the bolts outward until the end of the bolts are just inside the factory guard mounting brackets.
- 3) Place the 511 guard into the factory brush guard from the front with the "511" cutout facing forward while aligning the lower mounting flanges with the large pivot bolts. It may be helpful to pull the latching pin and rotate the upper portion of the factory guard forward while installing the 511 guard.
- 4) Once the mounting flanges are aligned, push the large pivots bolts inward and install the existing washers and nuts. It is not necessary to tighten these nuts at this time.
- 5) Position the 511 guard at the desired depth in relation to the cross bar of the factory guard and hold in place by clamping the upper flanges to the frame. Rubber tipped spring clamps work well to hold it in place.
- 6) Mark the top and each side of the factory brush guard through the oval shaped holes on each flange of the 511 guard using a permanent marker.
- 7) At this time, you can remove the clamps and pivot the 511 guard forward to allow for drilling the holes on each side.

- 8) Using a center punch, punch each side of the factory guard in the center of the oval marked during step 6.
- 9) Start out by drilling a pilot hole with a small drill (1/8" works well) followed by a 3/8" drill. Any type of cutting fluid or oil aids in the drilling. Coating the inside of the holes with touch up paint will help prevent rust.
- 10) Pivot the 511 guard into position aligning the drilled holes with the holes in the flanges.
- 11) If you are installing the optional hood and side guards, they utilize the same mounting locations as the front guard. Use the longer 3/8" x 1-1/4" screws provided with the side guards to go through the side guards, factory brush guard and the flanges of the front guard. If desired, an additional screw can be used on the lower, rearward hole of the side guards.
- 12) Install the button head screws from the outside through the frame and flange and use the flat washer followed by the lock nut.
- 13) Tighten the upper 6 nuts, but do not overtighten, as stainless steel hardware can be difficult to remove if stretched or a burr is developed within the thread.
- 14) Moving back down to the large, lower bolts, tighten the nut adjacent to the washers until the desired amount of resistance is obtained when you rotate the factory guard.
- 15) Installation is now complete.



Completed Installation