

QUICK HITCH GRAPPLE INSTALLATION GUIDE

The first step is to remove the angling cylinder. Angle the front part of the hitch to the right to get the angling cylinder fully extended. Next, you need to remove the cylinder. The hardest part of this is removing the cotter pin from the clevis pin marked (A). I find it easiest to use wire cutters and just clip it off through the access hole on the bottom. Then the pin slides up and out. The other pin (B) is easy because the cotter pin is exposed on the bottom.



The next step is to install the mounting bracket for the relocated cylinder. This is the only part where a tool is needed. The bolt and nut assembly marked (A) is already in place as shipped and is only used as an anti rotation feature for the bracket. The nut on the bottom should fit right inside the hole marked (B) on the quick hitch. Then slide the carriage bolt (D) through the bracket and through the quick hitch until it protrudes from the bottom and sits flush on the bracket at the top. See next slide....

Mounting
Bracket



C B D

This carriage bolt is going through the hole that is used to pin the front of the hitch to keep it from rotating. You must have the front half squared up and facing forward to get the holes to line up so the bolt will slide all the way through. Once through, place the flat washer, lock washer and the nut onto the end of the bolt. Tighten the nut with a wrench until the lock washer is flat and the nut is snug. The carriage bolt is square on the bracket side which makes this a single tool no hassle installation. Note: The nut is not tightened in this picture.

Flat washer 1st
Lock washer 2nd
Nut last



The last step is to attach the grapple to the quick hitch and connect the cylinder. First, attach the cylinder to the bracket on the quick hitch. Use the same pin that you removed from this side of the cylinder when it was in the angling position. Next, hold the shaft of the cylinder with one hand while you use the other hand to swing the upper jaw of the grapple until the cylinder shaft hole lines up with the holes in the upper jaw. Once they are inline, hold both the upper jaw and the cylinder with one hand and slide the pin through with the other. Again, use the same pin that held this end when in the angling position. Be very careful not to place any part of your body within the grapple jaws. If you let go of the upper jaw before securing the pin, it will swing down quickly and could cause injury. Also, be careful of pinch points on the side where the upper and lower pivot. As stated earlier, the cylinder was supposed to be fully extended when removed. This will allow the upper jaw to be attached while in the closed position with only a slight lifting of the jaw being needed to assemble.



Use the supplied cotter pins to secure these pins to the grapple.

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