

MudOx™ Installation Instructions for John Deere®



MudOx™

COMBINE CABLE KIT

MINNEHAN METAL WORKS

SOLD BY:

K&M
Manufacturing



READ FIRST

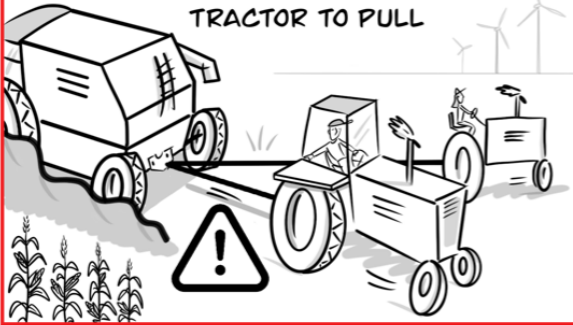
DON'TS FOR THE MudOx™

DON'T USE MUDEX FOR TOWING OTHER EQUIPMENT



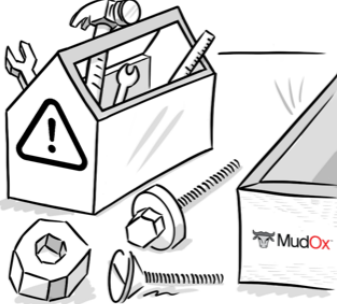
DON'T JERK EQUIPMENT OR PULL SIDWAYS

DON'T USE MORE THAN ONE TRACTOR TO PULL



DON'T ALLOW BYSTANDERS ON THE GROUNDS

DON'T MODIFY KIT



DON'T PULL WITH ONLY ONE BRACKET

MudOx™ Installation Video for John Deere®

<https://www.youtube.com/watch?v=yt-RuqSIA4w>



2 - Front Pull Brackets



4 - 24mm Bolts
2 - Hardened Flat Washers



2 - 12 Ton Clevis



2 - 1" Cables



2 - Wires



1 - Rear Bracket



4 - 20 mm Bolts
(one will be longer)
8 - Flat Washers
Original Nuts



2 - Cable Stops



4 - 3/8 x 5 1/2 Bolts
8 - 3/8 Flat Washers
4 - 3/8 Lock Nuts



2 - Rear Hangers
2 - 1/2 x 1 1/2 Bolts
2 - 1/2 Lock Nuts



2 - 5/8 x 10 Threaded Rod
2 - 5/8 Lock Nuts
2 - 2 1/2 Inch Flat Washer
2 - 5/8 Lock Washers
2 - 5/8 Nuts



2 - Keeper Pins



1 - 14 Ton Long Reach Clevis

MudOx™ Installation Instructions for John Deere®

Pull Bracket Installation

****Never install pull bracket directly to final drive****

1. Remove second bolt from bottom on head side of front axle end plate.
2. Remove bottom rear bolt on back side of front axle end plate.
3. Turn front pull bracket sideways to position in place – slotted hole goes to the back side.
4. The narrow hook part of the pull bracket goes to the second hole from the bottom on the front side of the axle.
5. Install 24 mm bolt into hole, use original nut and washer.
6. On the slotted hole, use a hardened flat washer and 24 mm bolt provided, install in bottom hole on back side of front axle. Use original nut and washer.
7. Tighten all bolts.
8. Install 12-ton clevis through eye of cable.
9. Install into bottom hole of pull bracket.
10. Install wire through hole of clevis pin and wire to clevis to prevent clevis pin from working loose.
11. Repeat on opposite side.



Rear Bracket & Cable Stop Installation

1. Remove wiring cover from the front side of the rear axle. Keep in mind that one 20mm bolt will be longer than the rest for the wiring cover.
2. Remove 4 bolts for the rear bracket. If the bolts don't come out easily, put in a jack to take pressure off the rear axle. It should loosen up the bolts so you can line



everything up as needed. It's hard to get both sides even at the same time. Once you get the bolts loose on one side, you may need to put in a floor jack on the other side to get those bolts to move freely as well.

3. Put a 3/4" flat washer on your new 20mm bolt. Slip it through the slot of the rear bracket. Raise one end of the rear bracket up and insert it through the hole on the rear axle.
4. Repeat on the other side. Remember to use the longer bolt on the top hole where the wiring cover is.
5. Put your other two 20mm bolts in.
6. Put the original flange nuts on the back and tighten everything up.
7. If you loosened the axle bolts, go back and tighten them on each side.
8. Pull the cables through the slot in the rear bracket.
9. You will need another person for this step. While one person is pulling tension on the cable, the other will tighten up the bolts on the cable stop right next to the rear bracket. Leave as little slack as possible. This will keep your cables from dragging on the ground.
10. Repeat with other cable and cable stop.

Cable Hanger Installation

1. Use 1/2" x 1 1/2" bolt and 1/2" lock nut to put together each cable hanger.
2. Install 5/8" lock nut on one end of 5/8" stud and insert through hole in cable hangers
3. Insert 5/8" stud on cable hanger through hole of your choice in the back of rear axle
4. Use 5/8"x2 1/2" flat washer, lock washer, and nut. Tighten nuts.
5. If the cables seem long, cross them, and hang the left front cable on the right cable hanger, and the right front cable on the left cable hanger to take up slack
6. Install keeper pin on each hanger



Using The MudOx™ To Pull A Combine Out Of The Mud

1. Agree with other driver on stop signals
2. Empty grain tank
3. Remove cables from hangers
4. Bring cables to the center
5. Install long reach clevis through the cable eyes
6. Pin tow rope in the end of long reach clevis
7. Pull straight, slow, and steady

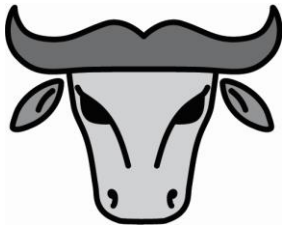
Be informed of safe towing practices. Train employees to follow the practices and towing information. Keep children out of the area.

The Clear Zone

The clear zone is the only area around the extraction that is safe. Only two people - the operator of the towing vehicle and the driver of the stuck equipment - should be in the vicinity of either vehicle as it begins to tow. Everyone else is nonessential to the extraction process, which means they need to clear the area. Nobody should be in the area under any circumstances when work is in progress - that includes keeping people out of the passenger seats of both vehicles.

You should always establish a circular clear zone around the entire area of at least 100 feet to avoid flying debris. Don't allow any bystanders within 100 feet of the work area. And if you are using an extra-long rope, keep spectators even farther away. As a rule of thumb, ask that all nonessential personnel watch the extraction from either side of the working area (not the front or back). If something goes wrong, it's more likely that flying debris will go forward (toward the towing vehicle) or backward (toward the towing stuck vehicle) than to the side. You could also place another vehicle between the spectators and the clear zone and ask the bystanders to stand behind the vehicle in case any debris starts flying. – from Purdue Extension- [Extracting Stuck Equipment Safely](#)

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Minnehan Metal Works, LLC



MudOx[™]

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For Technical Support Call

Minnehan Metal Works At (515) 389-3456