

## June Tech Tip ... Kioti Tractor Backhoe Installation & Removal

Backhoe removal and reinstallation on your Kioti tractor will be quick and easy by following these simple tips. Read your owner's manual thoroughly before you begin. If at any time you wish to view an image in a larger format simply double-click on the desired image.

**Removal:** Find a good, flat storage place with plenty of space.

**Step 1...** Remove the draw bar and pins (*Figure 1*).



Figure 1

**Step 2...** Remove the 2 rear backhoe retaining pins (*Figure 2*).



Figure 2

**Note:** Due to the fact there are front and rear mount points, proper leveling of the backhoe is crucial. The backhoe stabilizers will be used to level the backhoe side to side while the backhoe boom will be used to level the backhoe front to back. *Figure 3* shows a side view of the front mount point slightly separated.

*Figure 4* shows the rear mount point slightly separated.



Figure 3



Figure 4

**Step 3...** After the main pins have been removed, lower stabilizers and boom with light down pressure. The stabilizers and boom should be positioned similar to the backhoe depicted in *Figure 5*.



Figure 5

**Step 4...** Leaving your hydraulic hoses connected (*Figure 6*), carefully and slowly drive the tractor forward while making level adjustments as necessary until clear of mounts (*Figure 7*). STOP before hydraulic hoses become taut.



Figure 7



Figure 6

**Step 5...** When clear of mounts, lower backhoe and sub-frame assembly to the ground. Use blocks of wood or pallet to support if necessary. Shut off tractor then move remote lever in both directions to relieve hydraulic pressure. Disconnect hydraulic hoses at tractor quick couplers (*Figure 6*). Cover hose ends with rubber caps and tractor fittings with rubber plugs. Place tractor remote lever in neutral. Removal is now complete.

**Installation:** Installation is simply the reversal of the removal process. Starting with connecting the backhoe hydraulic hoses to the tractor quick couplers.

This process may seem complicated until you try it. Remember, if it doesn't come off or go on easy... YOU ARE DOING IT WRONG! Check and recheck everything. The installation and removal process is designed to be easy and it is. Take your time and you WILL get it.

PROBLEM	CAUSE	CURE
Sub frame will not separate from tractor mounts	Improper leveling of frame in mount. Drawbar not removed	Level front and rear mounting points. Remove draw bar and pins
Sub frame will not attach to tractor mounts	Improper leveling of frame in mount Draw bar not removed	Level front and rear mounting points Remove draw bar and pins
Tractor quick couplers will not disengage	Pressure in hydraulic hoses	Shut tractor off. Make sure backhoe is supported safely. Move tractor remote valve lever forward and backward to relieve pressure.
Tractor quick couplers will not engage	Pressure in hydraulic hoses	Shut tractor off. Make sure backhoe is supported safely. Move tractor remote valve lever forward and backward to relieve pressure.
After Hooking up backhoe and hydraulics, backhoe does not operate	Tractor Hydraulic remote lever is not in the on position Tractor hydraulic remote lever is in the wrong position	Engage tractor hydraulic remote lever  Change tractor hydraulic remote lever from the current position and put it in the opposite position