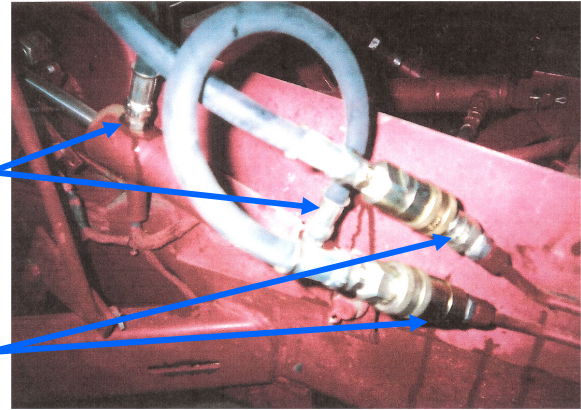




MIL-STAK
Installation Manual
for
1075 & 1085
Bale Wagons

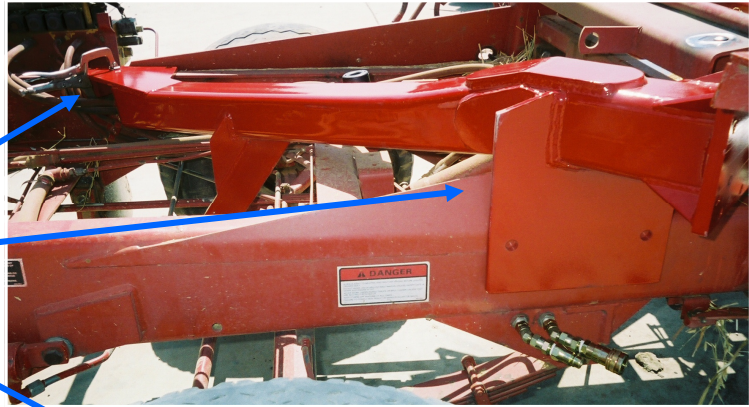
Remove and discard the tie spike cylinder hoses. Replace with 16" hoses with the included quick couplers. Hose with the male quick coupler on the front port of cylinder and hose with female quick coupler on the back port of cylinder.

Install 3/8" quick coupler adapters on steel lines making sure to pair them correctly with quick couplers on hoses.

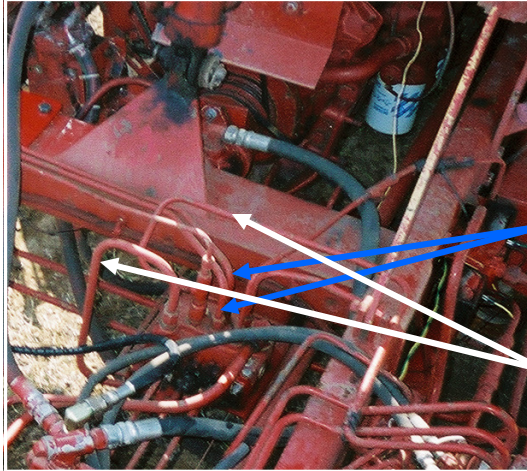


Place mounting bar across frame rails as shown.

Make sure the tail end of the mounting bar is against left frame gusset and the head end is setting on right frame gusset all the way forward as far as it will go.



Clamp mounting bar in place making sure that the tail end of the mounting bar is tight against top of left frame rail. (this sets the pitch of the mounting head) Drill the four 3/4" holes and bolt in place using the 3/4" x 2 1/2" grade 8 bolts on left side and the 3/4" x 4" grade 8 bolts on the right side.



2nd Table Booster Installation

By using the *o-ring to steel line* adapter stand pipes (included in kit) raise the two 1/2" steel lines up to make room for the booster bracket to slide under

A couple other steel lines need to be reshaped or replaced with hydraulic hose to make room for booster bracket to fit.



Slide booster bracket into place, center as well as possible and clamp. Then carefully lower 2nd table all the way down and center booster rollers on 2nd table frame rails. (be sure to check both side)

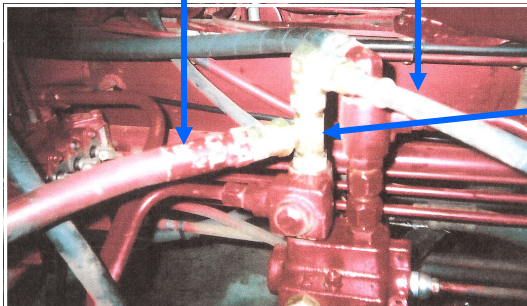


Raise the 2nd table back up and drill the four 5/8" holes completely thru the bale wagon cross-member and bolt on the 2nd table booster using the four 5/8" x 6" grade 8 bolts

Install the 2nd table booster cylinder.

2nd Table Hose

Booster hose



Remove the 2nd table hose from valve and unscrew o-ring fitting and replace with o-ring "T" and L-bow (provided). Reconnect the 2nd table hose to side of "T" and booster hose to L-bow on top of "T".

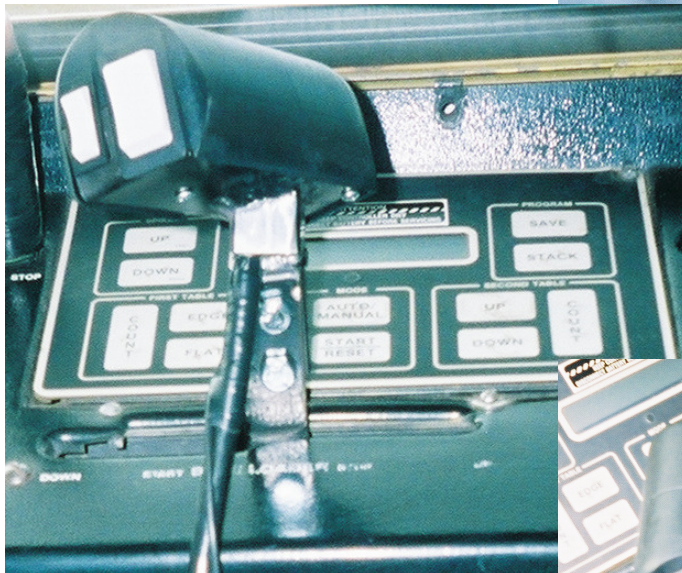


Cut the top portion of the Bale Loader handle off and discard.

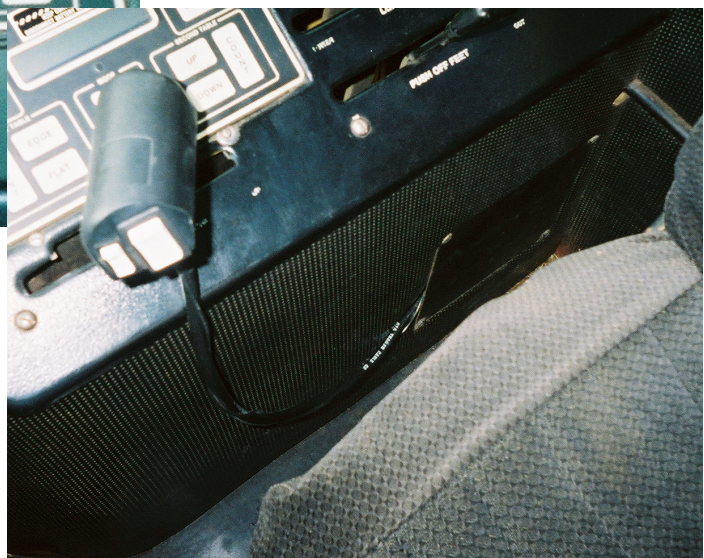
Use included handle as a template to drill mounting holes in the remaining portion of the Bale Loader Handle.



Mount included handle onto the remaining Bale Loader handle portion.

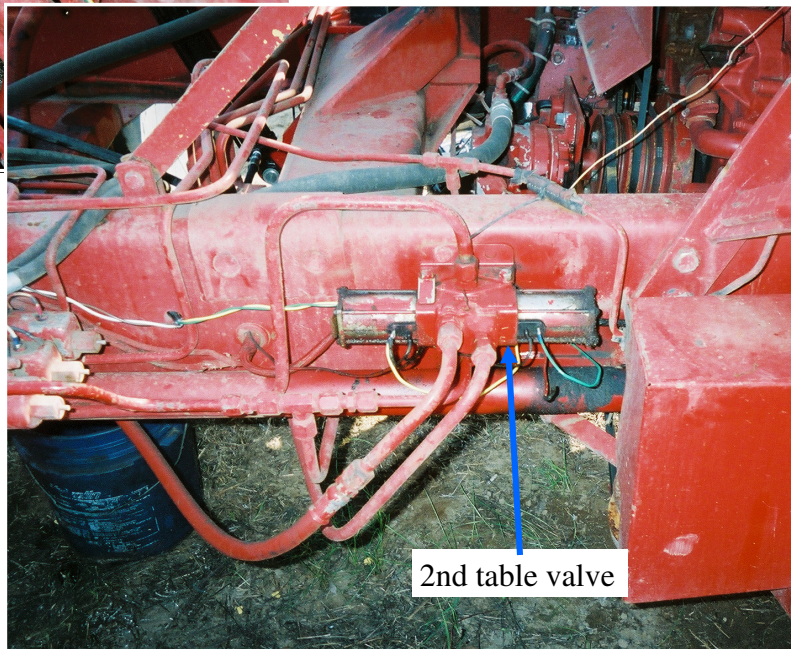
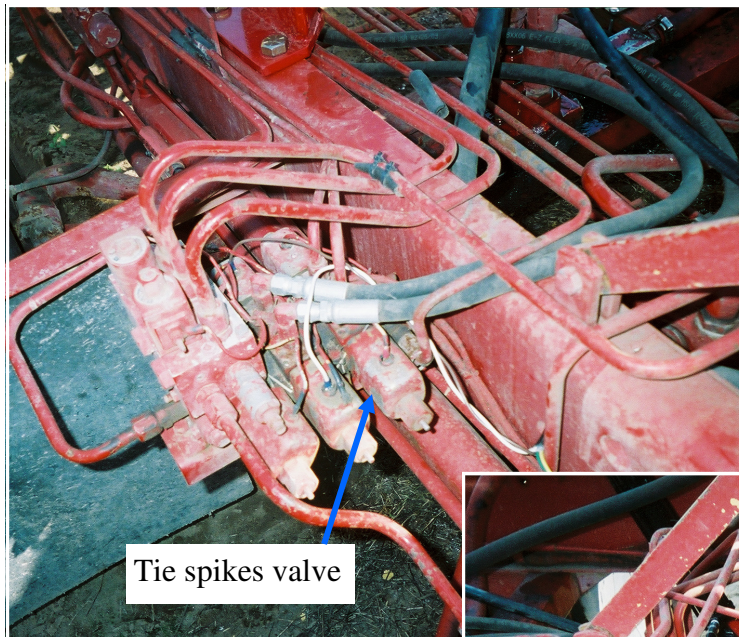


Route the included handle wires through the access hole in the side of the console and out the bottom of the cab, back along the left frame rail to the hydraulic manifolds.



Connect the single black wire that is wrapped around the cord coming out of handle to a hot terminal when the key is on. Also connect another single wire from hot terminal when key is on and route it along right frame rail to 1/2" hydraulic quick couplers. (this is for the cushion valve on the Mil-Stak Clamp) Connect it to the single black wire on the Mil-Stak Clamp.

In the harness from handle in cab is four wires. Run the green wire and yellow wire to 2nd table valve. Run the brown wire and white wire to the tie spikes valve.

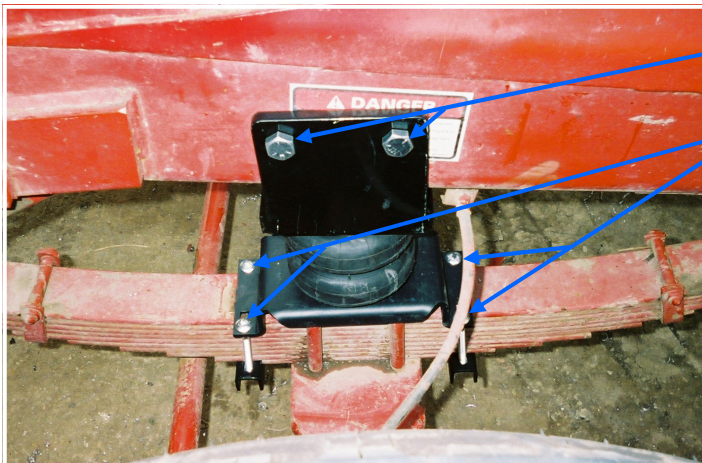


Remove the two hot wires from tie spikes valve and replace with the brown and white wires.

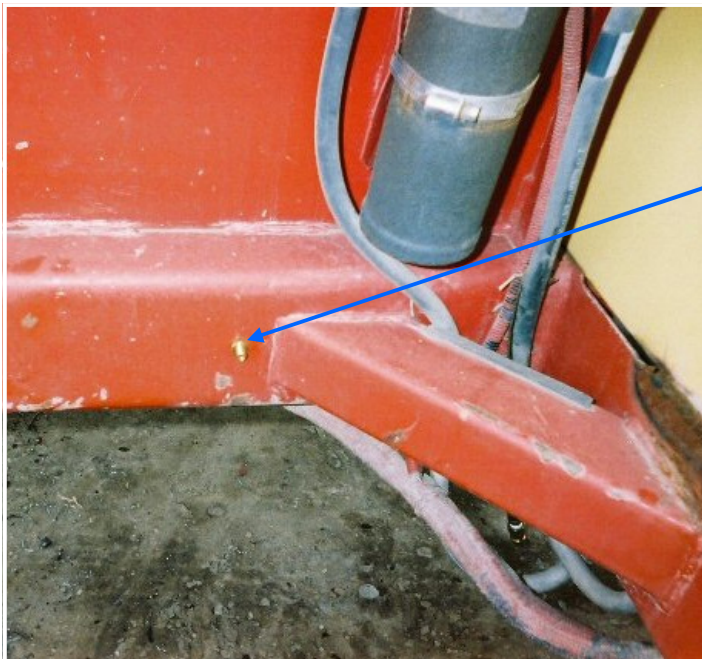
Remove the two hot wires from the 2nd table valve and replace with the green and yellow wires.



With air bag assembled, set lower bracket on front right leaf-spring. Center over axle and clamp top bracket to frame. Center punch and drill the two 5/8" holes thru frame.



Insert the two 5/8"x 2.5" bolts and tighten. Place the four 3/8"x 5" carriage bolts in lower bracket. Install the cross-bars under leaf-spring using the 3/8" locking flange nuts.



Drill a 5/16" hole thru the front cross-member on right side of cab and install the valve stem to inflate air bag. (be careful to not damage the wire harness on back side of cross-member.

Route the red air line from the air bag to the valve stem being careful to avoid the cross chain and linkages Inflate air bag to 65 PSI.

Clamp the included Deflector Plate to the back of the existing deflector plate on the bale wagon. Mark and drill the mounting holes.



Cut the left portion of the existing deflector plate off. The new deflector plate only need to be mounted on the bale wagon when stacking small bales.