

MIL-STAK®

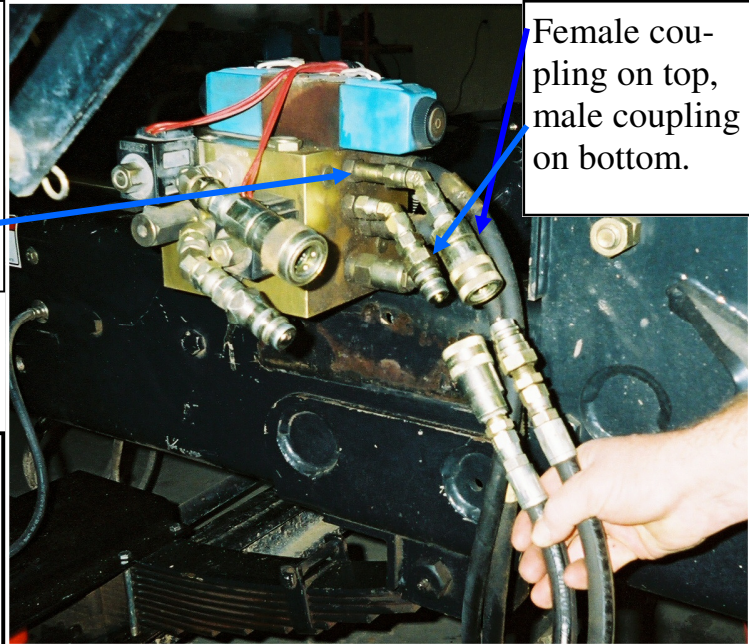


Installation Manual for

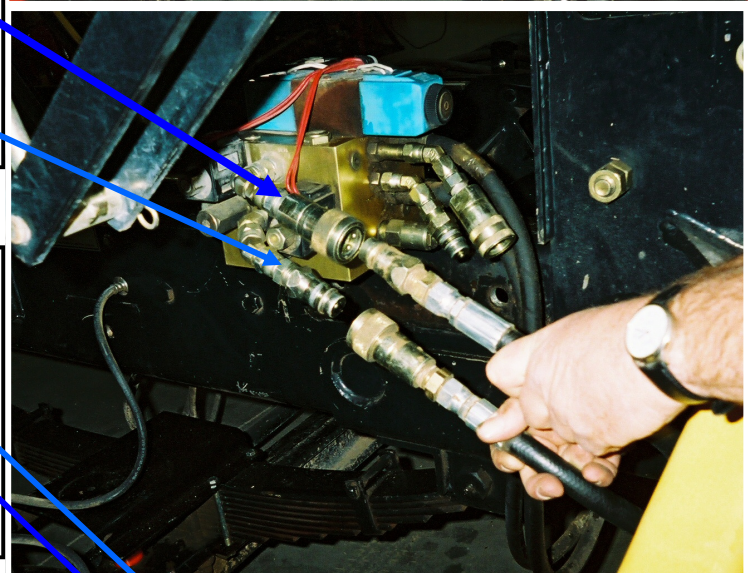
BW-28 & '08 H9880

Bale Wagons

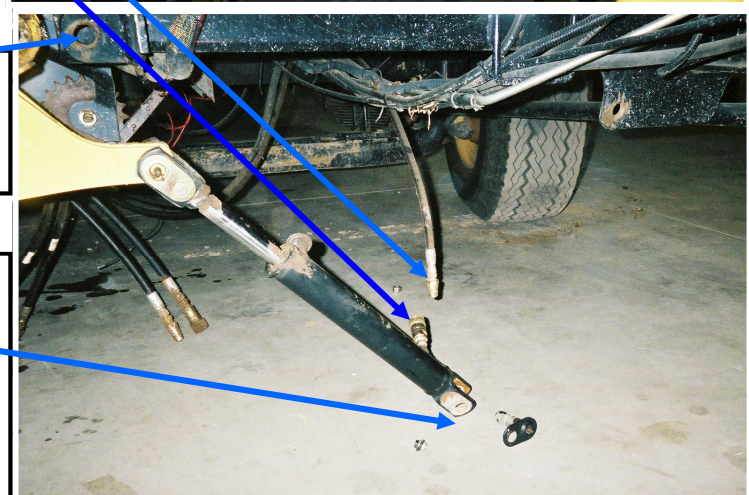
Install 3/8" quick couplers on valve block and on cross chain motor hoses. (replace short O-ring nipple with long one)



Install 1/2" quick couplers on valve block and on small bale loader motor hoses. (female coupling on top, male coupling on bottom)

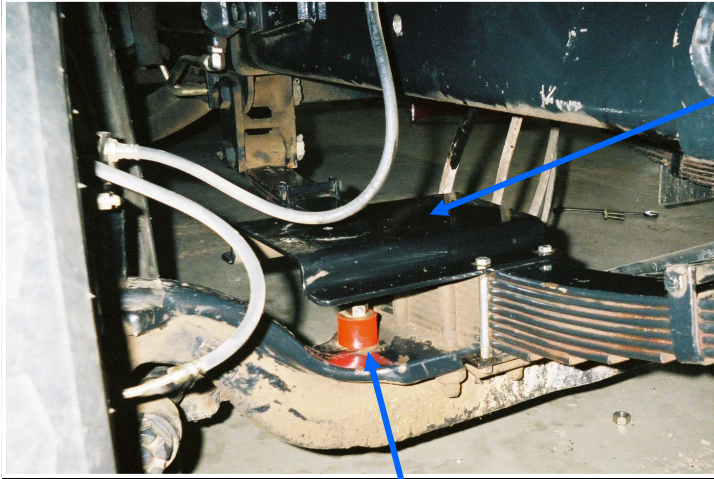


Install 3/8" quick coupler on small bale loader cylinder (male coupler on hose, female coupler on cylinder)



Remove 1" bolts from small bale loader pivots.

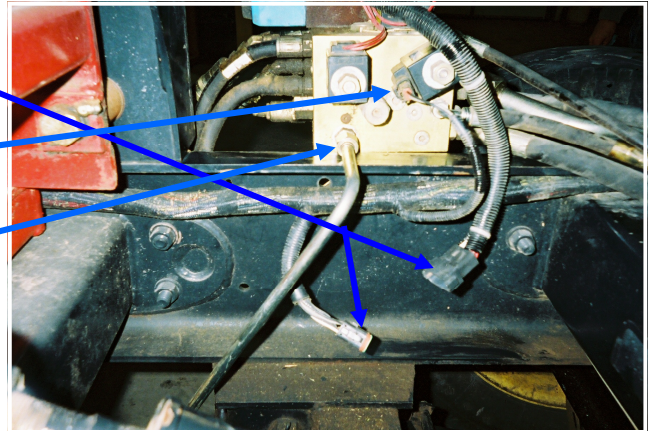
Remove 1" cylinder pin from cylinder.
Set small bale loader aside



Install lower air bag bracket on top of right leaf spring with orange bumper resting on the axel. Using the four 3/8" X 5 1/2" bolts and the two angle clamp bars securely fasten to leaf spring.

Adjust orange bumper tight against axel and tighten jam nut.

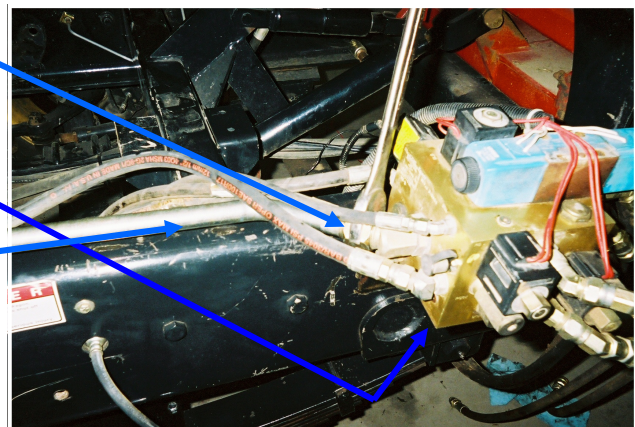
Disconnect 12 pin connector on valve block from wiring harness and 2 pin connector from coil on back of valve block. Disconnect the small steel line on back of valve block.



Loosen nuts on 1" steel line.

Remove the three 3/8" bolts from bottom of valve block.

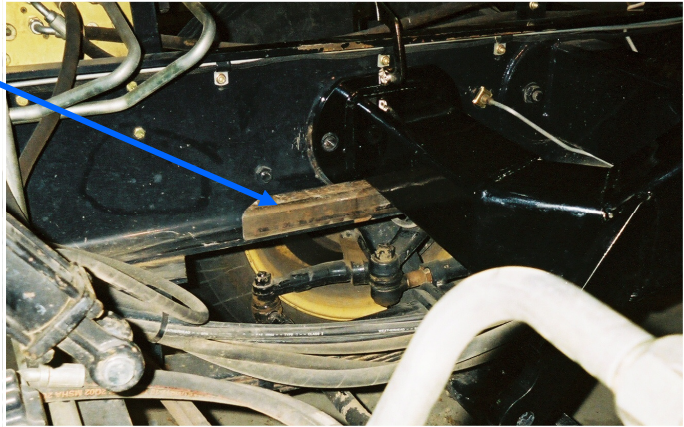
Remove steel line and replace with 3/4" hose. (hose is 7" shorter than steel line)



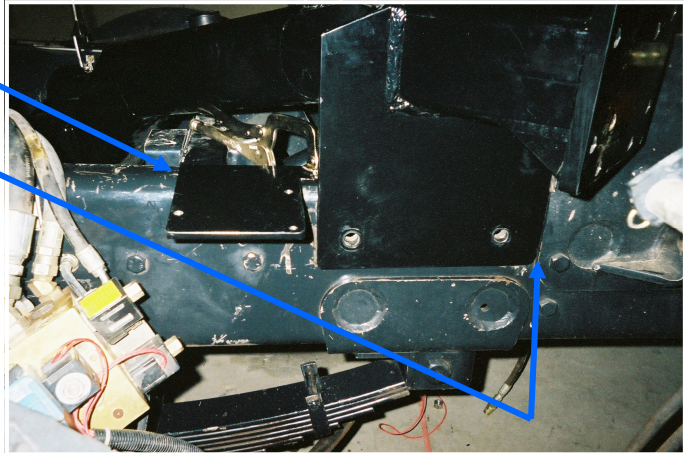
Swing valve block over the side of frame rail and let rest on lower air bag bracket.

Remove 1/4" bolt in frame, below and forward of valve block bracket. Remove valve block bracket and set aside.

Set temporary 2" spacer on inside bottom lip of left frame rail and set mounting bar across frame with the left side of mounting bar resting on the 2" spacer (Note; place 2" spacer under 5x5 tubing, NOT under bolt flange) and the right side on the top of right frame rail. (be sure mounting bar is as far forward as it will go)

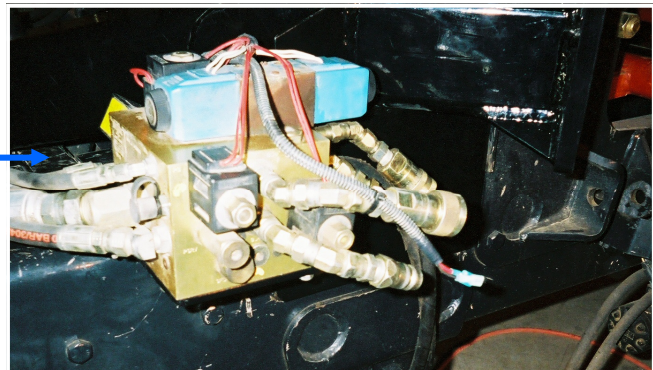


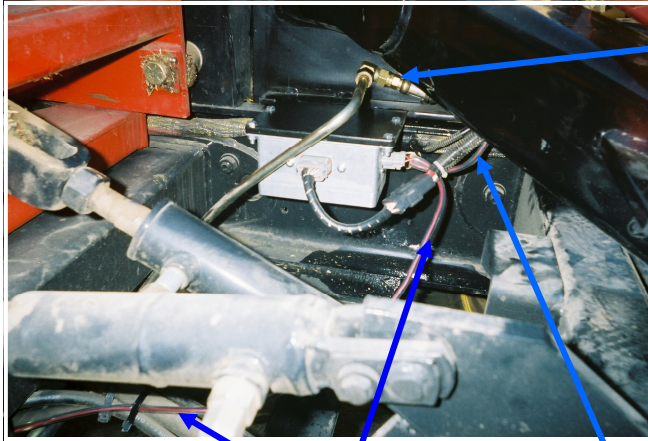
Securely clamp the mounting bar to frame rails and center punch the four 3/4" holes. (two on each side)



Remove mounting bar and drill the four 3/4" holes. Replace mounting bar and secure using the four 3/4" x 2 1/2" grade 8 bolts. Torque to 400 ft-lb

Swing valve block back up and place on mounting plate. Secure using the three 3/8" bolts and tighten.



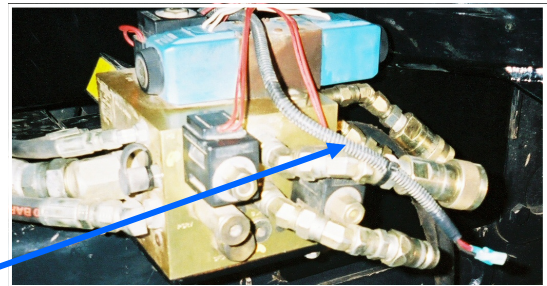


Using the 7" long extension hose reconnect small steel line on back of valve block.

Using the four 1/4" bolts fasten the MIL-STAK interface on the bottom side of the mounting bar flange

Thread single red wire down along hoses under 1st table to cab. (be sure to keep wire away from moving table or linkages)

Thread red & black wires from *MIL-STAK* interface up and over valve block and fasten to 1/2" quick coupling



Reconnect the 2 pin connector to coil on back of valve block (the main wire harness along frame may need to be pulled back some)

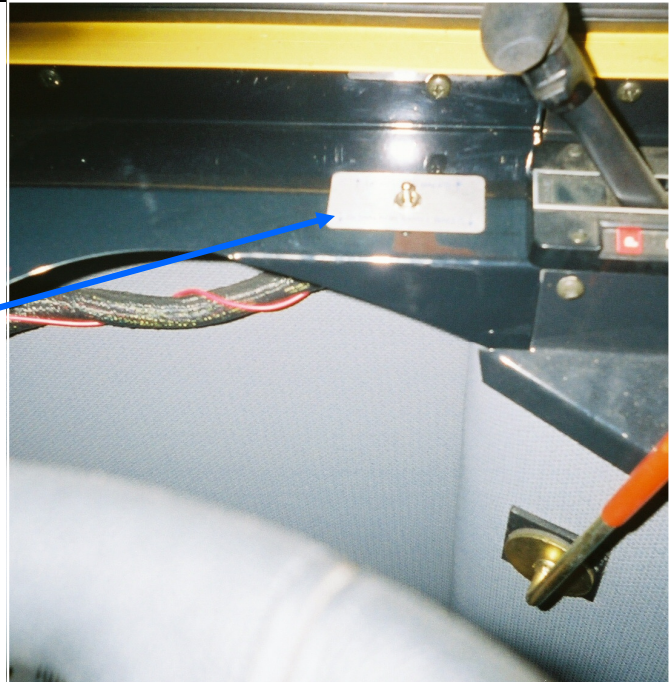
In the cab;
Pull the floor mat back behind the foot throttle and drill a 3/4" hole in the floor about 1 3/4" from wall and 2 1/4" from front of console (there is a cross member under the floor, drill in front of it)

Push *MIL-STAK* wire harness up thru hole in cab floor and connect to the toggle switch.



Locate the “UP FOR BIG BALES—DOWN FOR SMALL BALES” plate.

Place plate on right console directly above foot throttle, mark and drill a 1/2” hole. Install toggle switch with notch in shaft away from window



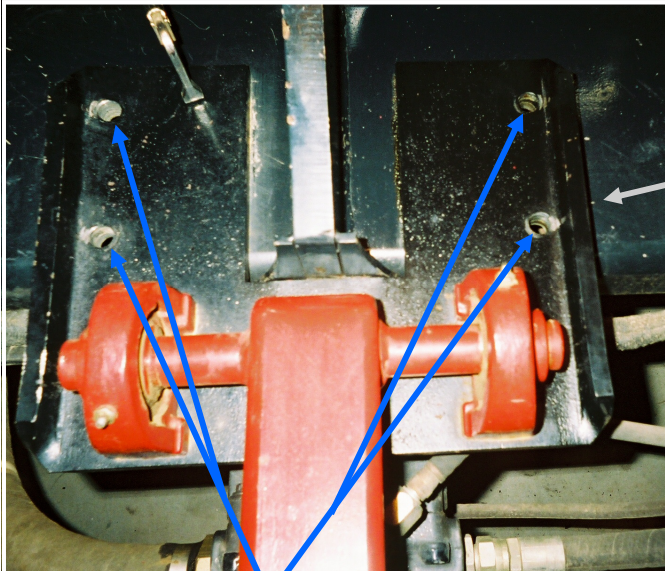
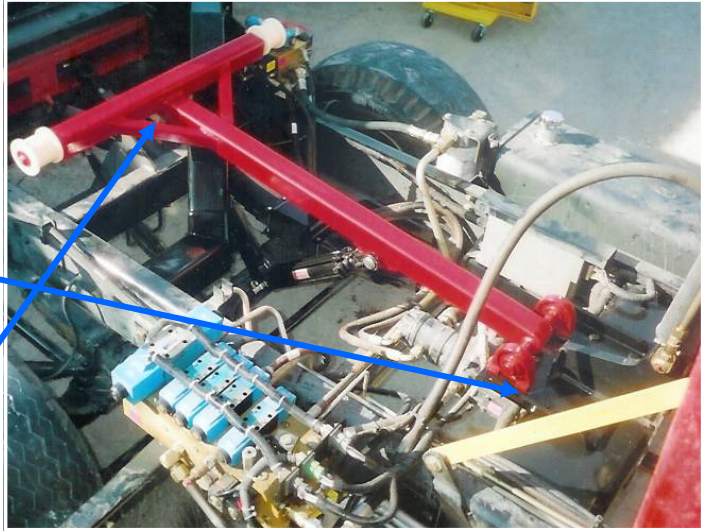
Starting at the top, under console, push harness into corner behind cab foam.



Route single black wire along bale wagon harness under dash to ignition switch and attach to hot terminal when ignition is on

2nd Table Booster;

Leaving the hydraulic cylinder off, place the 2nd table booster on bale wagon with black pivot bracket on frame cross-member at base of 2nd table cylinder and “T” end resting on rubber bumper on mounting bar.



Center pivot bracket between frame rails and clamp. (do not center punch or drill holes yet)

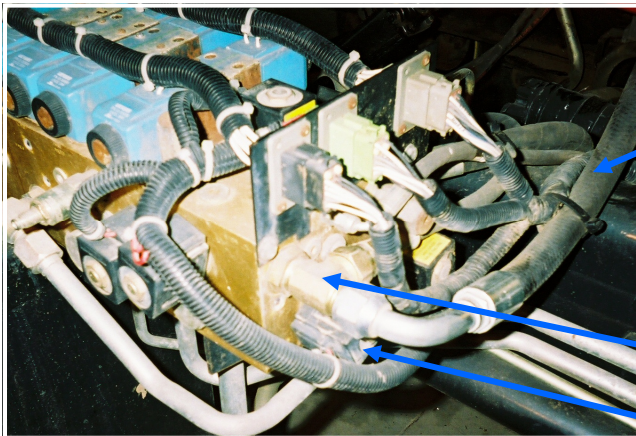
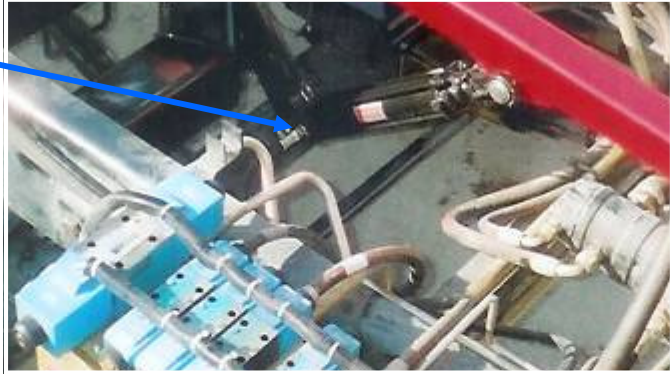
Carefully lower 2nd table and align rollers with 2nd table frame.

Raise 2nd table, center punch and drill the four 5/8” holes completely thru cross-tube.

Insert the four 5/8” x 6” grade 8 fine thread bolts and tighten to 295 ft-lb



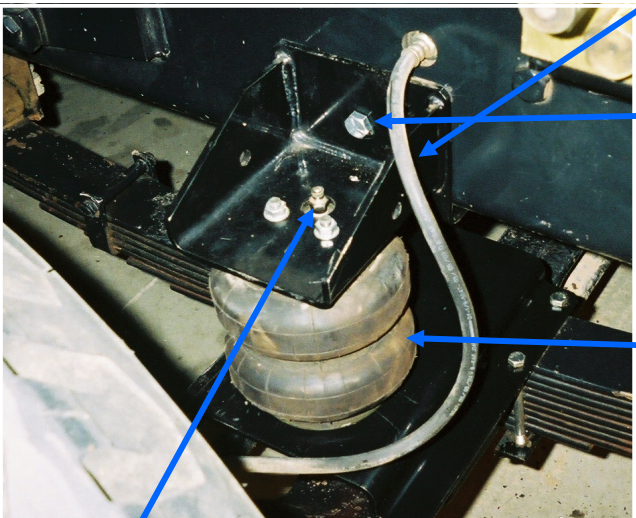
Install booster cylinder with base end of cylinder fastened to the mounting bar and the hose on the left side towards the big valve block.



Disconnect 2nd table cylinder hose from big valve block.

Remove #12 O-ring to JIC nipple and install #12 O-ring to JIC "T" (solenoid coil will need to be temporarily removed to screw in "T").

Connect 2nd table cylinder hose to JIC "T" and connect booster cylinder hose to side of JIC "T".



Slide upper air bag bracket onto frame rail, align it with the lower air bag bracket and drill the half 1/2" hole in frame, insert 1/2" bolt and tighten.

Slip air bag in between upper and lower brackets and fasten with two 3/8" nuts (top) and one 3/8" bolt (bottom).

Inflate air bag to 65 PSI.

Clamp on the small
bale deflector plate
and drill the three
3/8" holes.



Remove bale de-
flector plate and
cut off face on an
angle down just
missing the top
3/8" hole. Cut
down on the out-
side of vertical
brace

