

Freeman 80/85 Hydro Baler Attachment

SAFETY SUMMARY

GENERAL SAFETY NOTICES

The following pages contain general safety warnings which supplement warnings and cautions appearing elsewhere in this manual. All electrical and hydraulic equipment is dangerous. You must thoroughly review and understand the Safety Summary before attempting to operate, troubleshoot or service this baler.

The following symbols/terms are used to emphasize safety precautions and notices in this manual:



Obey the following cautions and warnings before using your machine to avoid equipment damage, personal injury or death.

DANGER

The "DANGER" symbol indicates a hazardous situation which, if not avoided, will result in death or serious injury. Carefully read the messages that follows to prevent serious injury or death.

WARNING

The "WARNING" symbol appears wherever incorrect operating procedures or practices could cause serious injury. Carefully read the message that follows to prevent serious injury or death.

CAUTION

The "CAUTION" symbol appears wherever a hazardous situation which, if not avoided, could result in minor to moderate injury and equipment damage.

NOTICE

This signal word alerts to a situation that is not related to personal injury but may cause equipment damage.

NOTE:...

The term "NOTE" highlights operating procedures or practices that may improve equipment reliability and/or personnel performance.

NOTE: All possible safety hazards cannot be foreseen so as to be included in this manual. Therefore, you must always be alert to potential hazards that could endanger personnel and/or damage the equipment.

SAFETY

Allied Systems Co. is concerned with safety. Freeman Equipment is furnished with safety features. Even with these safety features, personal injury can still occur if the operator is careless when operating or maintaining the machine. There are "CAUTION," "DANGER," and "BE CAREFUL" decals on the machine. Read and pay attention to the decals. Following is a list of precautions that should be taken to help prevent personal injury:

1. Keep All Shields In Place.
2. Shut Off Tractor Engine Before Adjusting, Lubricating, Cleaning Or Servicing The Baler.
3. Wait For All Movement To Stop Before Servicing Baler.
4. Keep Hands, Feet, And Clothing Away From Power Driven Parts.
5. Keep All Shields Installed And Keep Clear Of The P.T.O. Drive Line.
6. Keep All Others Off Baler.
7. Use Appropriate Signs Or Warning Lights When Operating On Highways.
8. Make Certain Everyone Is Clear Of Baler Before Engaging P.T.O.
9. Do Not Ride On Any Part Of The Baler While In Operation.
10. Keep Hands And Feet Clear Of Pickup.
11. Keep Hands Away From Knotter When Baler P.T.O. Drive Is Engaged.
12. Periodically Check All Nuts And Bolts For Tightness.
13. Always Use Lights For Night Work.
14. As A Safety Precaution It Is Recommended That An "Abc" Fire Extinguisher Be Carried On The Baler At All Times. It Is Also Recommended To Carry A Four Gallon Water Container With Pump, Or As Required By Local And State Law.
15. Avoid Loose Clothing Which Can Easily Be Caught In Moving Parts.
16. Remember 'Safety' Is Only A Word Until It Is Put Into Practice.

Be aware of the hazards of pressurized hydraulics:



- » Wear personal protective equipment, such as gloves and safety glasses, whenever servicing or checking a hydraulic system.
- » Assume that all hydraulic hoses and components are pressurized. Relieve all hydraulic pressure before disconnecting any hydraulic line.
- » Never try to stop or check for a hydraulic leak with any part of your body; use a piece of cardboard to check for hydraulic leaks.
- » Small hydraulic hose leaks are extremely dangerous, and can inject hydraulic oil under the skin, even through gloves.
- » Infection and gangrene are possible when hydraulic oil penetrates the skin. See a doctor immediately to prevent loss of limb or death.



WARNING: Some illustrations in this parts list show the baler without shields to allow for a better view of the area being addressed. The baler should never be operated with any of the safety shields removed.

Baler Manifold Adjustment for Auxiliary Tractor Hydraulic System.

The hydraulic system on the baler and tractor may need to be adjusted if your tractor has a pressure and flow compensated hydraulic system powering the baler's functions. Consult your dealer for details.

Connecting to Baler

1. Connect ball to tractor and torque nut at 920 ft-lbs. wet.

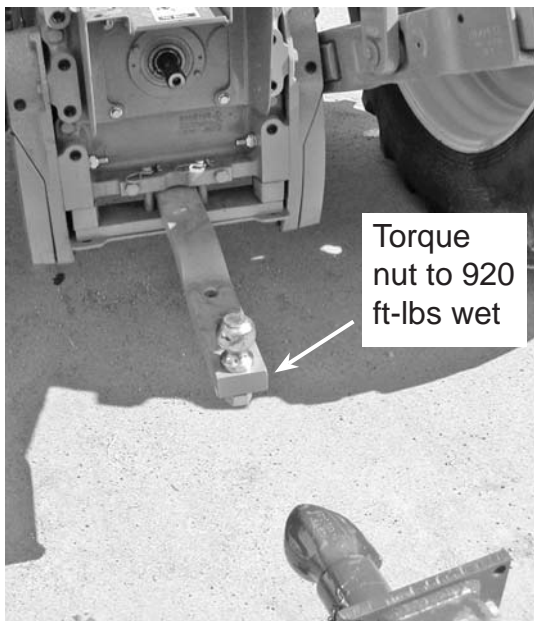


Figure 1 - Secure Ball to tractor

2. The center of the ball should be approximately 16" from the power take-off and the top of the ball 19.5" from the ground.

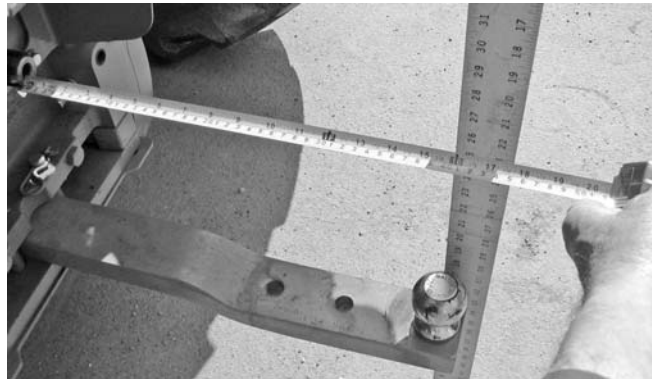


Figure 2 - Tractor Ball

3. Place a level on top of the bale chamber (see Figure 3) and adjust the drawbar jack up or down until the chamber is level to the ground (see Figure 4). Adjust the hitch (loosen and re-tighten the nuts and bolts torque nuts to 75 ft-lbs.) up or down so it is level with the ball (see Figure 4). It is always better to have the feed opening higher if the baler isn't level.



Figure 3 - Bale Chamber Level to Ground

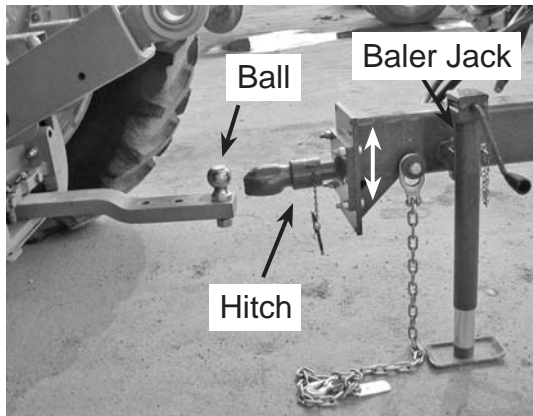


Figure 4 - Hitch Adjustment

4. Connect hitch to tractor ball and drawbar safety chain to tractor. Connect the pump - gearbox and safety chain (see figure 5)

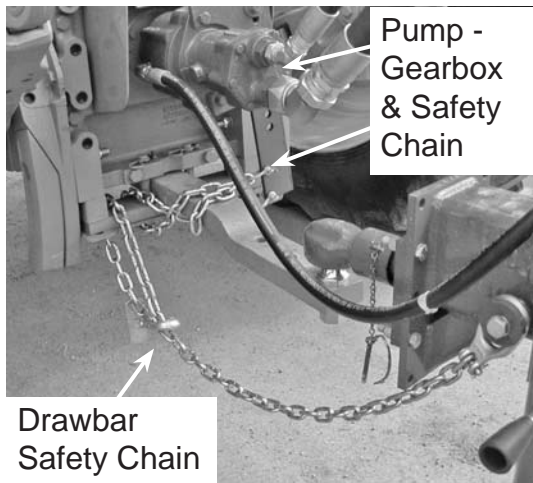


Figure 5 - Connect Hitch, Pump-Gearbox and Safety Chains

5. Connect the 2 hoses from the baler to tractor. Connect the pressure hose, top hose on the baler to the power cylinder extend port on the tractor (see Figure 6 and 7).

The middle hose is the tank return line on the baler and should not receive more than 25 psi of back pressure from the tractor when connected (see Figure 6 and 7). Connect the tank return line to the return cylinder retract port on tractor.

⚠ CAUTION

Do not hook hoses up backwards. When operating the baler, put the selective control valve lever in the cylinder extend position.

Oil supplied to the baler must meet Oil Class 18/15 Cleanliness. Minimum flow required: 5 GPM at 2500 PSI.

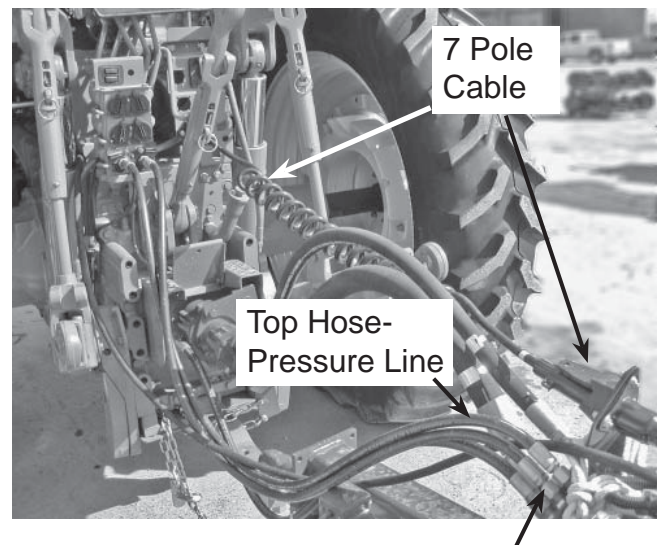


Figure 6 - Hose and 7-Pole Cable Connection

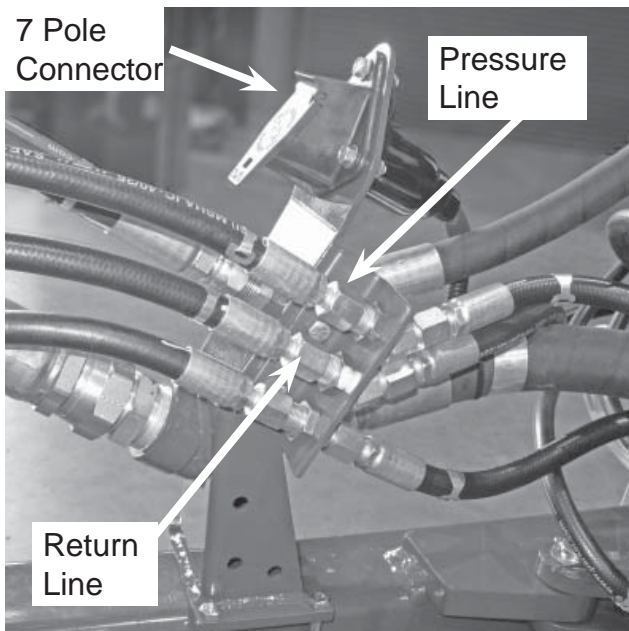
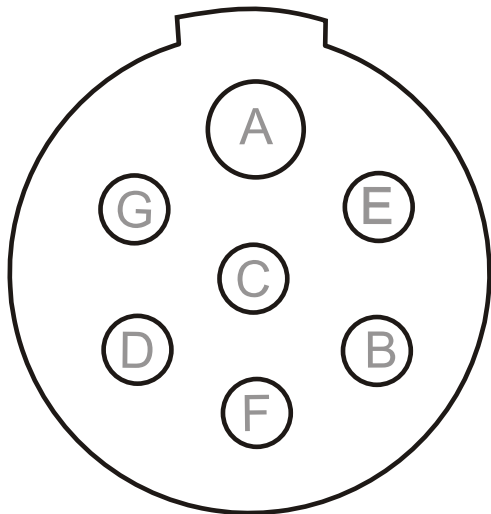


Figure 7 - Hose and 7-Pole Cable Connection



PIN	WIRE/GA.	FUNCTION
A	WHT 12	GROUND
B	GRN 16	RIGHT TURN
C	BLU 12	+ 12V
D	YEL 16	LEFT TURN
E	BRN 16	TAIL LIGHTS
F	RED 16	BRAKE LIGHTS
G	BLK	NOT USED

Figure 8 - 7 Post Connector on drawbar.

NOTICE

7 Pole cable must be used with all 280/285/380/385 Hydro balers operated with an ICM (In Cab Monitor).

6. Connect the 7 pole cable (see Figure 6 and 7). Above is the 7 pole power supply and lights connector on the drawbar. Verify that there are 12 volts DC on post "C" (see Figure 8) during tractor operation. If power is not constant at post "C," contact your Freeman dealer.

7. Connect yellow ICM cable to connector on baler and to ICM Monitor in tractor cab.

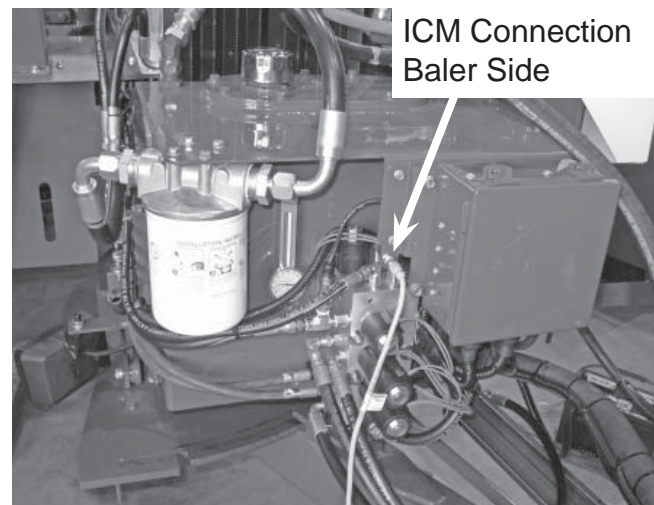


Figure 9 - ICM Connection Baler Side



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