Mesh Wrap System for Round Balers

Operators Manual

4 FT Balers P.I.N. CFH0084586 and later
5 FT Balers P.I.N. CFH0073272 and later

Rac 9-78651

Reprinted

CASE IH

SAFETY DECALS

This is the safety alert symbol. The safety alert symbol will direct your attention to information that involves your safety.

The words DANGER, WARNING or CAUTION are used with the safety alert symbol on the safety decals on the machine. For your personal safety, and the safety of those nearby, learn to recognize these safety alerts, and follow the recommended precautions and safe operating practices.

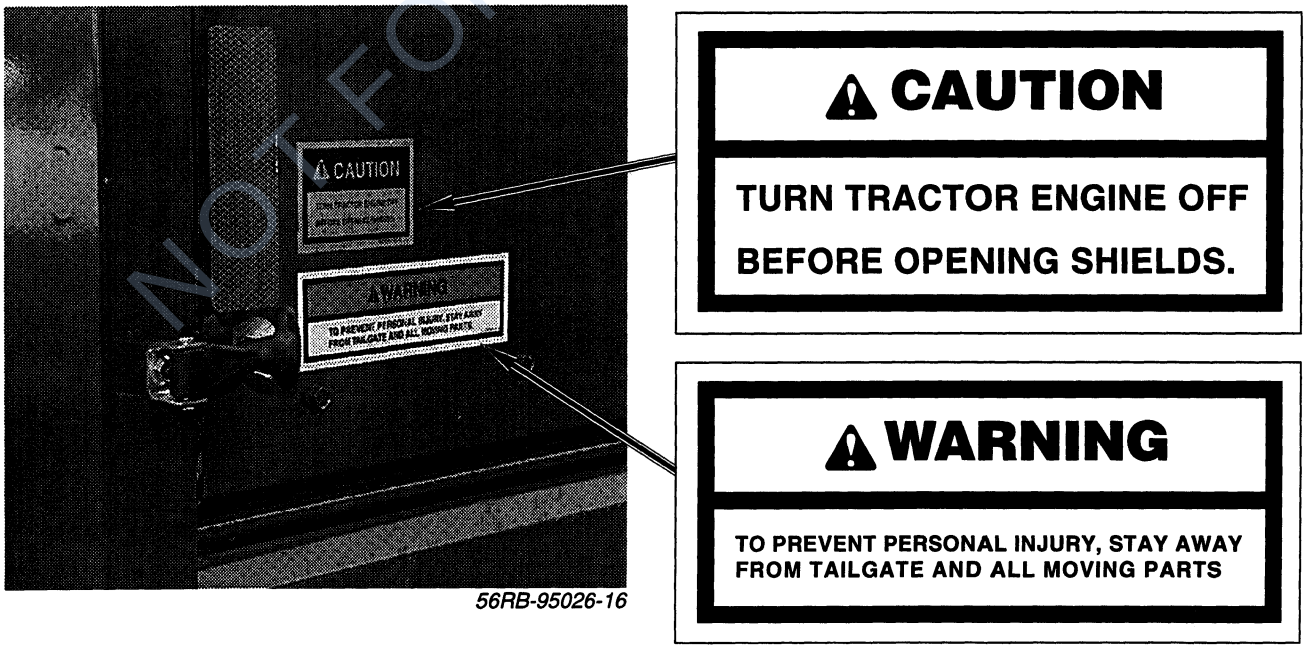
DANGER: Indicates an imminently hazardous situation that, if not avoided, will result in death or serious injury.

WARNING: Identifies a potentially hazardous situation that, if not avoided, could result in death or serious injury.

CAUTION: Identifies a potentially hazardous situation that, if not avoided, may result in minor or moderate injury.

Install new safety decals if the old safety decals are destroyed, lost, painted over, or cannot be read. Use enamel thinner to remove the old safety decal. Make sure the surface is clean and dry before the new safety decal is installed. When parts that have decals are replaced, make sure you install a new decal with each new part. New safety decals are available from your dealer.

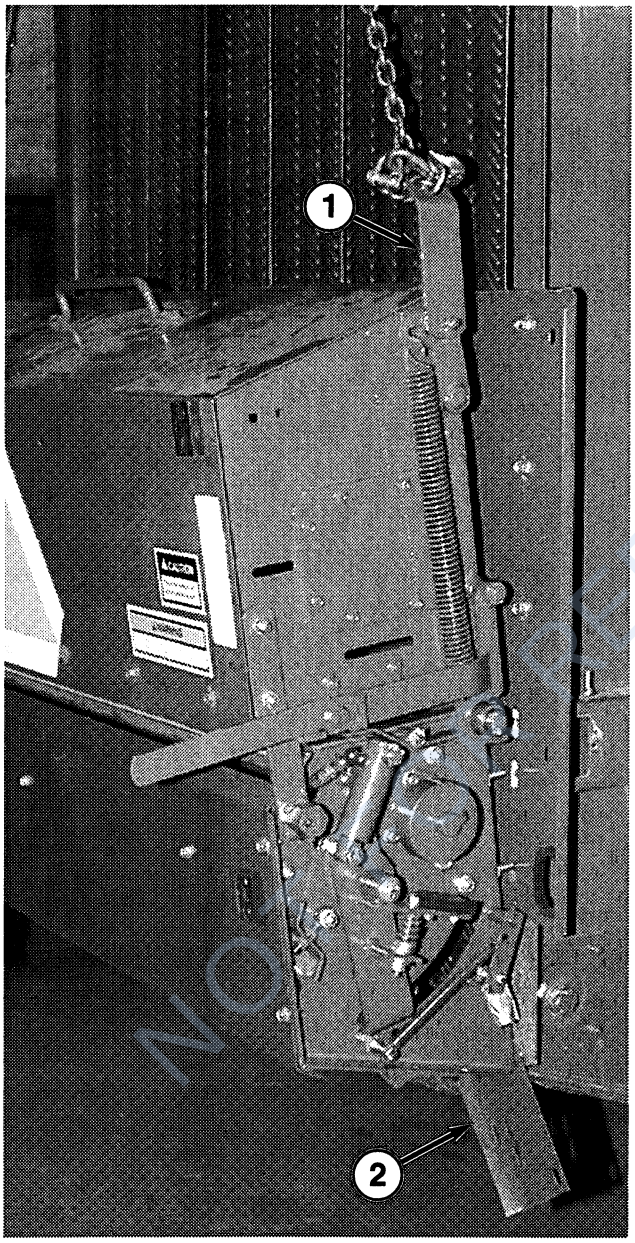
Always keep the SMV emblem clean and properly installed on the rear of the machine.



56RB-95026-16

6. Connect a hoist or other lifting equipment to the lifting lugs. Lift mesh wrap attachment and put in a position close to the baler.

At the right-hand end, put the wide spacer plate in position between the mesh wrap attachment and the tailgate. Install a 3/8-16 x 1 RHSNB and HFTLN in the bottom hole of the mesh wrap attachment to hold the wide spacer plate in position. Do not tighten the HFTLN.



MW-96083-32

1. Lifting Lug
2. Wide Spacer Plate

7. At the left-hand end, put the narrow spacer plate in position between the mesh wrap attachment and the tailgate. Install a 3/8-16 x 1 RHSNB and HFTLN in the bottom hole of the mesh wrap attachment to hold the narrow spacer plate in position. Do not tighten the HFTLN.

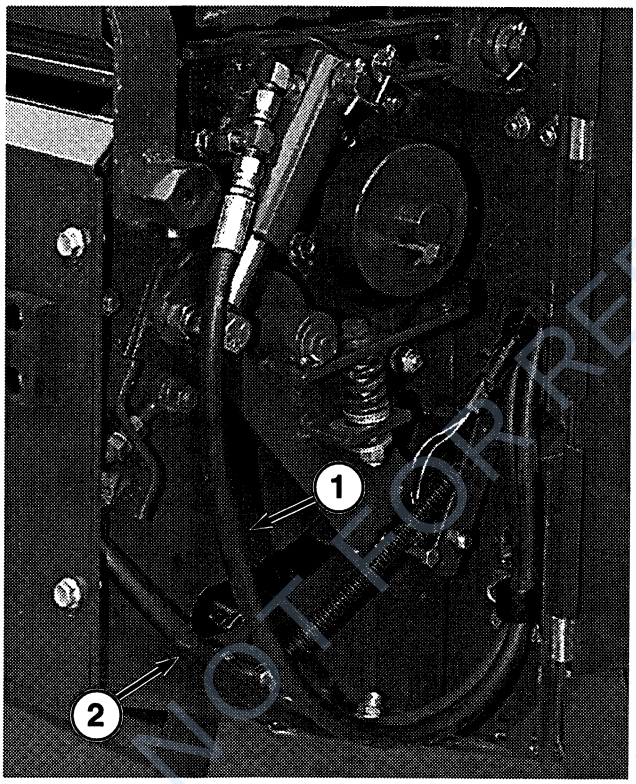
MW-96083-31

1. Narrow Spacer Plate

9. Route the two hoses on the right-hand side of the baler to the rear of the machine as shown in the illustration. Make sure the two hoses go through the grommet on the bottom of the rear plate. Do not install hose clamps or cable ties until all connections are completed.

10. Remove the cap from the tee in the cylinder on the right-hand side of the mesh wrap attachment. Connect the hose from the mesh wrap valve to the tee.

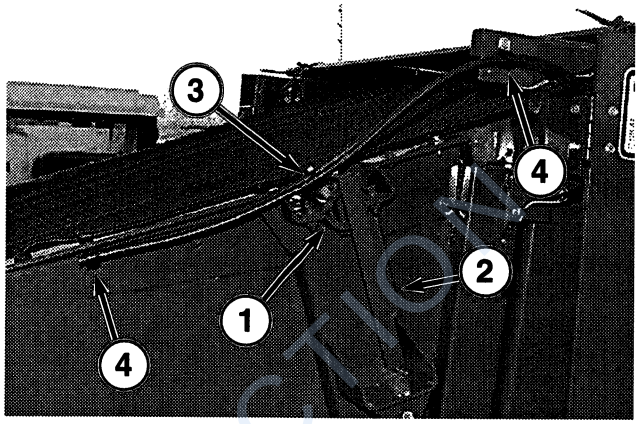
Install a 7/16 elbow in the bottom cylinder on the left-hand side of the mesh wrap attachment. Route the hose from the baler control valve through the mesh wrap attachment. Use the existing line clamps to to fasten the hose to the lower rear panel of the mesh wrap attachment. Connect the hose to the elbow in the bottom cylinder on the left-hand side of the mesh wrap attachment.



56RB-90116-5

1. Hose From Mesh Wrap Valve
2. Hose From Baler Control Valve

11. Find the bolt in the top flange of the tailgate above the crossmember. Do not remove the existing nut from the bolt. Install the hose guide and the 1/2-13 HFTLN on the bolt. Make sure the hoses are on the outside of the hose guide.



56RB-95026-7

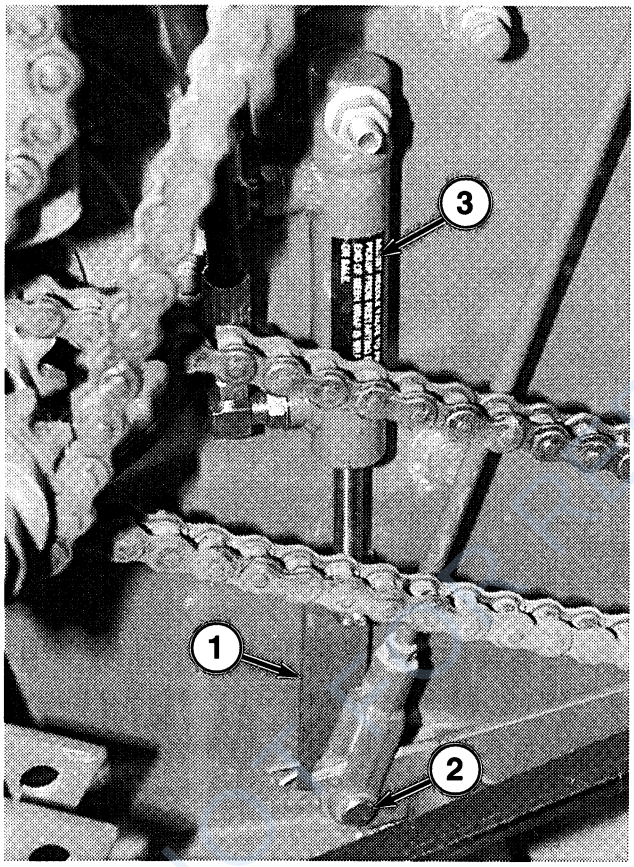
1. Crossmember
2. Hose Guide
3. Cable Tie
4. Hose Clamp

12. See the illustration and install all of the hose clamps and cable ties.

13. Go to the procedure Completing the Assembly.

7. Find the strap, 1/4-20 x 1-1/4 C, HPW, and HFTLN in the sack of parts. Fasten the strap to the rod end of the cylinder with the hardware. The hardened plain washer must be between the strap and the cylinder rod. Tighten the bolt only enough to permit the strap to pivot on the bolt.

8. Fasten the cylinder to the baler mainframe as shown. Use a 1/2-13 x 3 C, HFTLN, and two HPW. The two hardened plain washers must be between the cylinder and the mainframe. Make sure the fittings are toward the front of the baler and the strap is between the mainframe and the cylinder. Tighten the bolt only enough to permit the cylinder to pivot on the bolt.



MW-96083-62

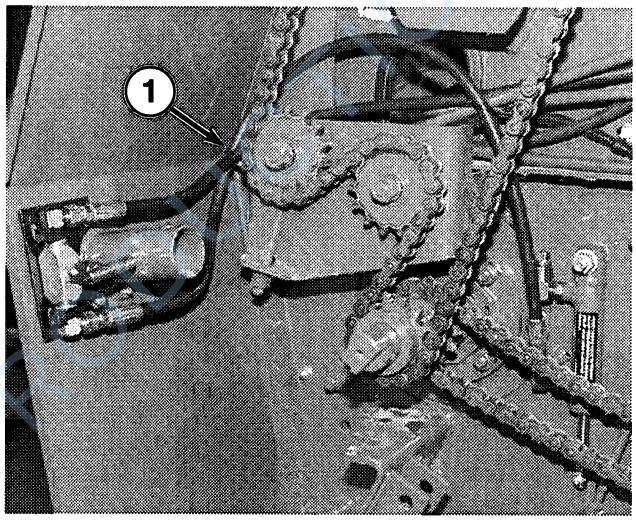
1. Strap
2. Clevis Pin
3. Decal

9. Find the decal in the sack of manuals. Install the decal on the cylinder as shown.

10. Remove and discard the cotter pin and clevis pin from the pickup clutch arm.

Find the new 1-3/4 IN (44 mm) clevis pin in the sack of parts. Install the clevis pin in the pickup clutch arm. Install the strap from the cylinder onto the clevis pin. The strap must be between the clevis and the mainframe. Install the new cotter pin.

11. Connect the hose from the kit to the fitting at the rod end of the cylinder. Route the hose over the bracket for the tension sprocket and connect to the fitting at the bottom of the needle valve.



MW-97002-25

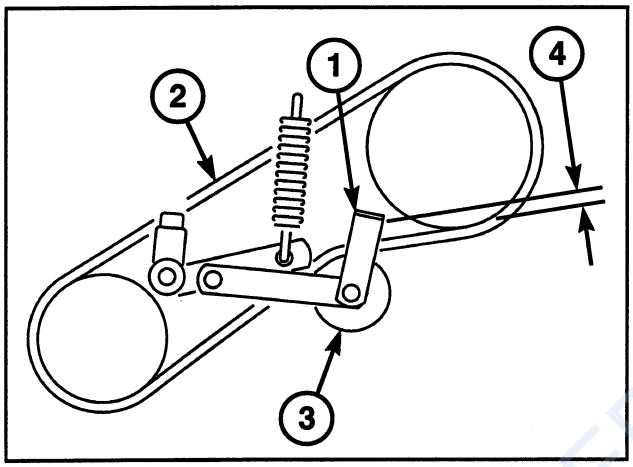
1. Cable Tie

12. Connect the hose from the baler control valve to the bottom fitting in the needle valve.

13. Install two cable ties on the hose to the needle valve as shown.

In some light crop conditions, the resistance of the crop will not be enough to stop the pickup. Under these conditions, the belt retainer angle is used as a brake. The belt retainer angle is mounted on the tensioner support arm and positioned inside the belt. When the pick is disengaged, belt retainer angle contacts the belt to function as a brake.

Make sure the clutch drive belt is tight before checking the adjustment. There must be a 1 IN (25 mm) gap between the belt retainer angle and the belt. If adjustment is necessary, loosen the bolt in the tensioner pulley. Adjust the belt retainer angle and tighten the bolt.



L97A-0008

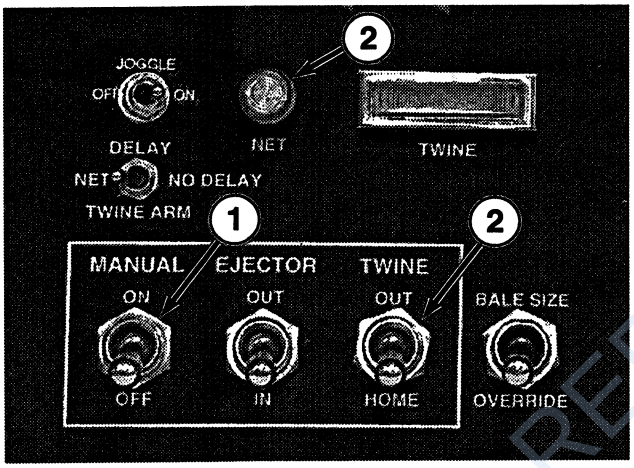
1. Belt Retainer Angle
2. Belt
3. Tensioner Pulley
4. Gap

Wrapping the Bale in the Manual Mode - Tractor Hydraulic Balers

Before baling, make sure the baler is set up for applying mesh wrap. See Tractor Hydraulics Balers: Changing Machine from Twine Tie to Mesh Wrap in this section.

1. When the full bale alarm sounds, make any necessary corrections to the bale shape. Then put the MANUAL switch in the ON position, and stop forward motion. With the MANUAL switch in the ON position, the operator has full control of the ejector and twine solenoids.

NOTE: In the manual mode, the twine arm switch does not function.



56RB-93077-11

1. MANUAL Switch
2. Twine Arm Switch
3. Net Lamp

2. Put the TWINE switch in the OUT position, then move and hold the tractor hydraulic lever in the direction which will send the twine arm out to the left. The pickup clutch cylinder will disengage the pickup. The mesh wrap drive belt will be tightened to begin feeding the mesh. As the mesh wrap begins to flow, the mesh is stretched tight between the mesh wrap rolls and the tailgate roll and the NET lamp will be illuminated. The twine arm indicator needle will move clockwise as the twine arm moves to the left.

IMPORTANT: If the baler control console does not indicate mesh wrap is being applied, disengage PTO immediately. Make sure there is mesh wrap loaded in mesh wrap attachment. Make sure the mesh wrap is feeding onto the bale and not accumulating somewhere in the mesh wrap attachment.

3. As long as the twine switch is in the OUT position, the twine arm is moving to the out position. The amount of time the twine arm is moving toward the out position determines the number of wraps on the bale. Approximately five seconds are needed to wrap a six-foot diameter bale two times. There must be a minimum of two wraps of mesh on the bale. Increasing the time will increase the number of wraps on the bale.

4. Count five seconds after the twine arm starts toward the out position. Put the TWINE switch in the HOME position to move the twine arm toward the home position..

NOTE: DO NOT move the tractor hydraulic lever to change direction of the twine arm. Moving the tractor hydraulic lever at this time will raise the tailgate, causing the bale to be unloaded without cutting the mesh.

The operator can also use the twine arm indicator instead of counting seconds. Look at the position of the twine arm indicator at the end of the five second interval. Use the position of the twine arm indicator as a guide for starting the twine arm toward the home position.

NOTE: When the hydraulic oil is cold, the twine arm indicator will not move as far during the five second interval. If the hydraulic oil is cold, make three to four bales before using the twine arm indicator as a guide.

When the twine arm begins to move toward the home position, oil flows to the knife cylinders on the mesh wrap attachment. The knife cylinders extend and the mesh wrap is cut. Oil is relieved from the pickup clutch cylinder through the needle valve. The needle valve is adjustable and allows the pickup to engage slowly.

After the mesh wrap is cut, the operator can eject the bale.

NOTE: It is not necessary to disengage the PTO to unload the bale unless mesh appears to be damaged after the bale is ejected.