

**9070 / 9075 / 9175 / 9185**  
**Rotary Header**  
**Workshop Service Manual**

---

**MASSEY FERGUSON®**  
**9070 / 9075 / 9175 / 9185 Rotary Header**  
**4283063M1**  
**CONTENTS**

SAFETY ..... 1-1

GENERAL INFORMATION ..... 2-1

DRIVE ..... 3-1

CUTTERBED AND KNIVES ..... 4-1

ELECTRICAL ..... 5-1

HYDRAULICS ..... 6-1

HAY CONDITIONER ..... 7-1

TROUBLESHOOTING ..... 8-1

SPECIFICATIONS ..... 9-1

INDEX ..... 10-1

**CONTENTS**

---

**NOTES**

---

**SAFETY  
Contents**

SAFETY ..... 1-1

    Safety Alert Symbol ..... 1-2

    Safety Messages ..... 1-2

    Informational Messages ..... 1-2

    Safety Signs ..... 1-2

    Operator's Manual ..... 1-3

    A Word to the Operator ..... 1-3

    Prepare for Operation ..... 1-4

    Operation ..... 1-5

    Fire Prevention ..... 1-8

    Travel on Public Roads ..... 1-8

    Maintenance ..... 1-9

    Cylinder Stops ..... 1-11

    Accumulators ..... 1-11

    Safety Sign Location ..... 1-12

        Headers with Spring Tensioner Roll Conditioners and Spoke Conditioners ..... 1-12

        Headers with Hydraulic Tensioned Roll Conditioners ..... 1-15

# SAFETY

## SAFETY ALERT SYMBOL

**FIG. 1:** The safety alert symbol means ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!

This safety alert symbol indicates important safety messages in this Operator's Manual. When you see this symbol, carefully read the message that follows and be alert to the possibility of personal injury or death.



FIG. 1

## SAFETY MESSAGES

**FIG. 2:** Whenever you see the words and symbols shown below, used in this manual, you MUST take note of their instructions as they relate to personal safety.



**DANGER:** Indicates an imminently hazardous situation that, if not avoided, will cause death or very serious injury.



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



**CAUTION:** Indicates a potentially hazardous situation that, if not avoided, may result in minor injury.



FIG. 2

## INFORMATIONAL MESSAGES

The words IMPORTANT and NOTE are not related to personal safety, but are used to give additional information and tips for operating or servicing this equipment.

*IMPORTANT: Identifies special instructions or procedures which, if not strictly observed, could result in damage to or destruction of the machine, process, or its surroundings.*

*NOTE: Identifies points of particular interest for more efficient and convenient repair or operation.*

## SAFETY SIGNS

If a used machine has been purchased, be sure that all safety signs are in the correct location and can be read. Replace any safety signs that can not be read or are missing. Replacement safety signs are available from your dealer.

See Safety Sign Location in the Safety section for illustrations of the safety signs.

## OPERATOR'S MANUAL

**FIG. 3:** The Operator's Manual is stored in the holder (1) located on the windrower tractor. After using the Operator's Manual, return the manual to the storage location.

Right-hand and left-hand, as used in this Operator's Manual, is determined by facing the direction the machine will travel when in use.

The photos, illustrations, and data used in this manual were current at the time of printing, but due to possible in-line production changes your machine can vary slightly in detail. The manufacturer reserves the right to redesign and change the machine as necessary without notification.



**WARNING:** In some of the illustrations or photos used in this manual, panels or guards may have been removed for clarity. Never operate the machine with any panels or guards removed. If the removal of panels or guards is necessary to make a repair, they **MUST** be replaced before operation.

## A WORD TO THE OPERATOR

**FIG. 4:** It is YOUR responsibility to read and understand the safety section in this manual before operating this machine. Remember that YOU are the key to safety. Good safety procedures not only protect you, but also the people around you.

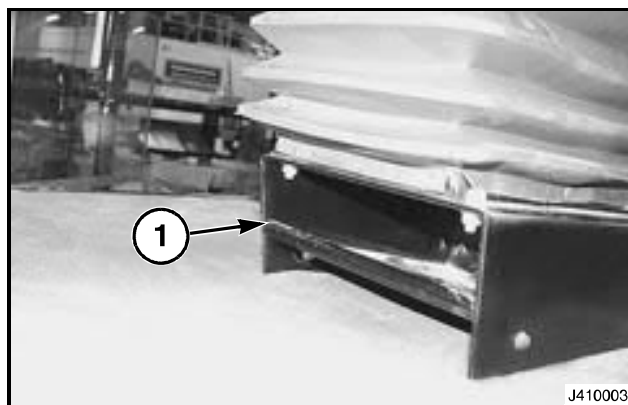
Study the features in this manual and make them a working part of your safety program. Keep in mind that this safety section is written only for this type of machine. Practice all other normal and customary safe working precautions, and above all **REMEMBER - SAFETY IS YOUR RESPONSIBILITY. YOU CAN PREVENT SERIOUS INJURY OR DEATH.**

This safety section is intended to point out some of the basic safety situations that may be found during the normal operation and maintenance of this machine, and to suggest possible ways of dealing with these situations. This section is **NOT** a replacement for safety procedures featured in other sections of this manual.

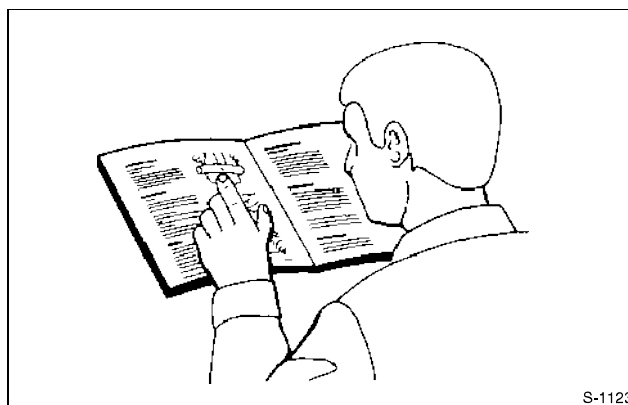
**NOTE:** This manual covers general safety procedures for this machine. This manual must always be kept with the machine. Return the manual to the storage location after use.



**CAUTION:** See the tractor Operator's Manual for other important safety information.



**FIG. 3**



**FIG. 4**

# SAFETY

---

## PREPARE FOR OPERATION

Emphasize the importance of using correct procedures when working around and operating the machine. **DO NOT** let unqualified persons to operate your machine. Keep others, especially children, away from your area of work. **DO NOT** permit others to ride on the machine.

Read and understand all operating instructions and precautions in this manual before operating or servicing the machine. Make sure you know and understand the positions and operations of all controls.

Make sure the machine is in the proper operating condition as stated in the Operator's Manual. Make sure the machine has the correct equipment needed by local regulations.

Make certain that all controls are in neutral and the parking brake is engaged before starting the machine. Make certain that all people are well away from your area of work before starting and operating the machine.



**WARNING:** Any time the engine is running and the parking brake is disengaged, the machine will turn if the steering wheel is moved even though the travel control lever is in neutral.

All equipment has a limit. Make sure you understand the speed, brakes, steering, stability, and load characteristics of the machine before you start. Check all controls in an area clear of people and obstacles before starting your work.

Be aware of the machine size and have enough space available to allow for operation. Never operate the machine at high speeds in crowded places.



**WARNING:** An operator should not use alcohol or drugs which can affect their alertness or coordination. An operator taking prescription or 'over the counter' drugs needs medical advice on whether or not they can properly operate machines.

## OPERATION

**FIG. 5:** All shields and guards must be in the correct operating position and in good condition.

DO NOT use attachments unless the attachments are approved optional equipment.

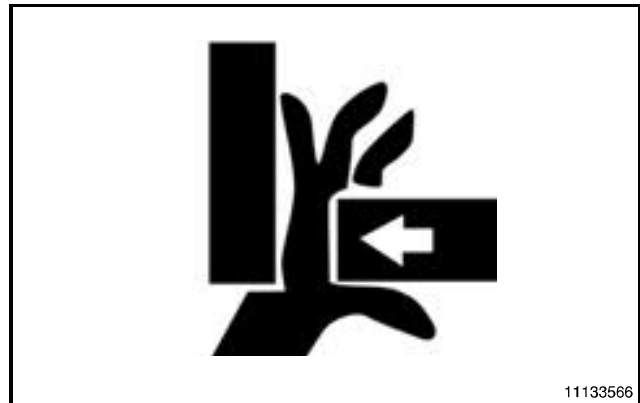


FIG. 5

**FIG. 6:** Do not operate the machine with drive shaft shields open or removed. Entanglement in rotating drive shafts can cause serious injury or death. Stay clear of rotating components.

Do not make adjustments to the roll tension with the header engaged.

When making adjustments to the roll pressure, turn off the header. Lower the header to the ground and engage the parking brake. Set the engine to low idle.

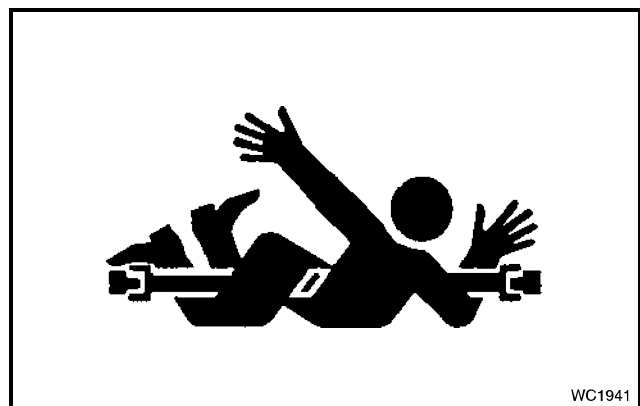


FIG. 6

**FIG. 7:** Never stand near the machine during operation. Debris can be thrown from the machine during operation possibly resulting in injury.



**WARNING:** Be careful when operating along the side of a road or building. Rocks or other debris can be thrown from the machine during operation possibly resulting in injury.

Tilt the header back in fields where stones and foreign objects are present. This will raise the cutting knives and minimize debris being thrown by the rotating knives.

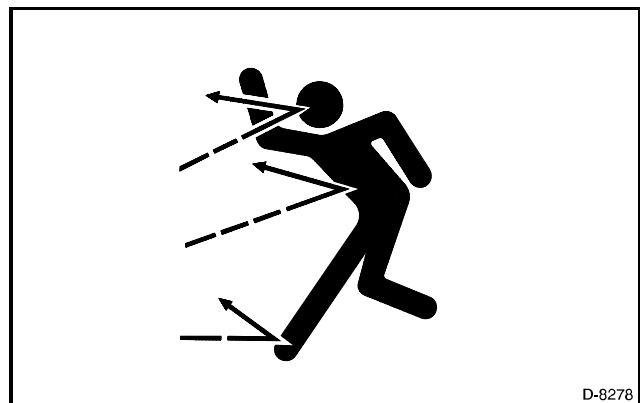


FIG. 7



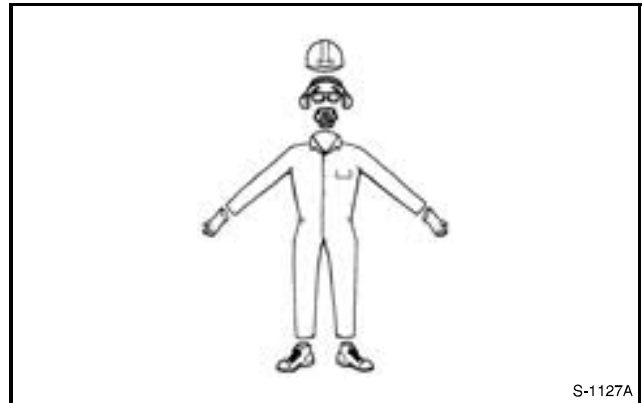
## SAFETY

**FIG. 8:** Wear all protective clothing and personal protective equipment issued to you or called for by job conditions.

Wear approved hearing protection whenever operating the machine as required by country/local regulations.

DO NOT wear loose clothing, jewelry, watches, or other items that could entangle in moving parts. Tie up long hair that can also entangle in moving parts.

Always keep hands, feet, hair, and clothing away from moving parts.



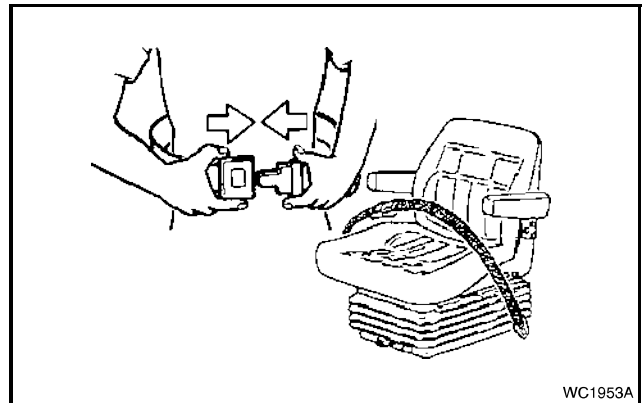
**FIG. 8**

**FIG. 9:** Securely fasten the seat belt before operating the machine. Always remain seated and have the seat belt fastened while operating the machine. Replace the seat belts when they become worn or broken.

Never wear a seat belt loosely or with slack in the belt system. Never wear the seat belt in a twisted condition or pinched between the seat structural members.

Securely fasten the seat belt when using the instructional seat, if equipped. The instructional seat is to be used only to train new operators or diagnose a problem. The instructional seat is only intended for short periods of use. Extra riders, especially children, are not permitted on the machine.

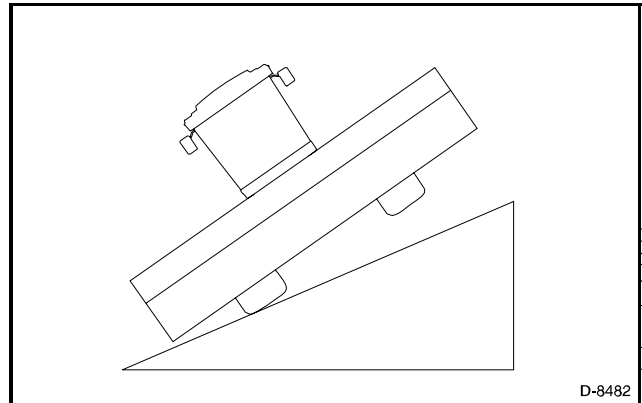
When the instructional seat is used the machine must be driven at a slower speed and on level ground. Avoid quick starts, stops, and sharp turns. Avoid driving on highways or public roads.



**FIG. 9**

**FIG. 10:** Stay off slopes too steep for operation. Keep the header as low as possible while going down hills. Never suddenly reverse the wheels to stop or back up.

Where possible avoid operating the machine near ditches, embankments, and holes. Reduce ground speed when operating on rough, slippery, or muddy surfaces and when turning or crossing slopes.

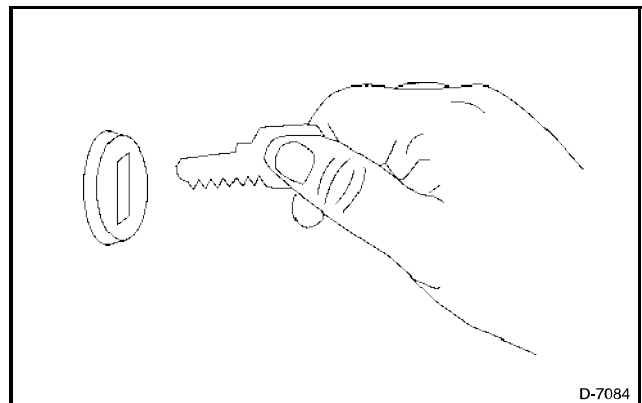


**FIG. 10**

**FIG. 11:** When parking, put the machine on a solid level surface and lower the header to the ground. Put all controls in neutral, center and lock the steering wheel, and engage the parking lock control lever. Stop the tractor engine and take the key with you when parking the machine.



**WARNING:** Do not leave the machine unattended with the header raised. Lower the header fully before leaving the machine. A sudden loss of hydraulic pressure can cause the header to drop without warning.



**FIG. 11**

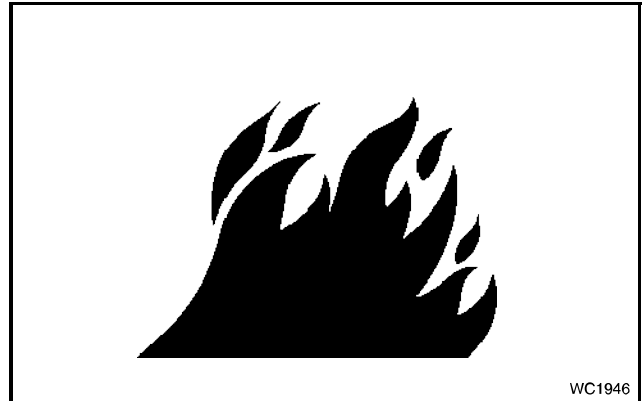
# SAFETY

## FIRE PREVENTION

**FIG. 12:** Because of the nature of the crops this machine will operate in, the risk of fire is present. Regular inspection of the machine can reduce the risk of fire.

Keep the machine free of crop debris to help prevent fires.

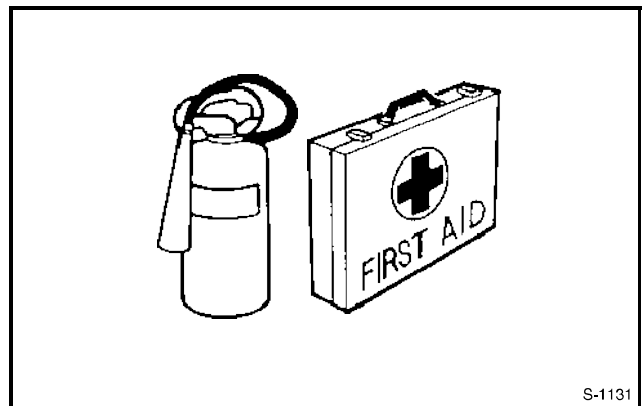
Check the machine daily for any noises that are not normal. Such noises could indicate a failed bearing that can cause heat buildup.



**FIG. 12**

**FIG. 13:** Because of the flammable nature of many crops, a fire extinguisher must be located within easy reach of the operator. Check the fire extinguisher regularly as instructed by the manufacturer.

Keep an emergency first aid kit handy for treatment of minor burns, cuts, or scratches.



**FIG. 13**

## TRAVEL ON PUBLIC ROADS

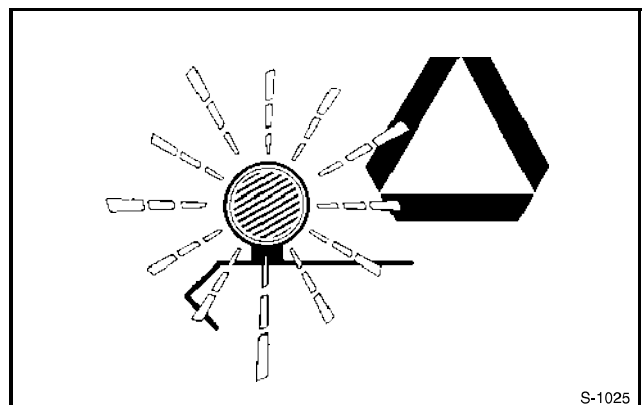
**FIG. 14:** Use the lighting and marking system supplied with the machine when roading. Make sure all the flashers are operating prior to driving on the road. Make sure the reflectors are installed, in good condition, and wiped clean. Be sure the SMV emblem is clean, visible, and correctly mounted on the rear of the machine.

Familiarize yourself with and obey all road regulations that apply to your machine. Consult your local law enforcement agency for local regulations regarding movement of farm equipment on public roads.

Adjust travel speed to maintain control at all times. Limit speeds to 32 km/h (20 mi/hr). Be aware of other traffic on the road. Keep well over to your own side of the road and pull over, when possible, to let faster traffic pass.

Be aware of the overall width and length of the machine. Be careful when transporting the machine on narrow roads and across narrow bridges.

Always travel with the header as low as possible. DO NOT drive with header up and the lift cylinder stops in the locked position. See Cylinder Stops in the Safety section for more information.



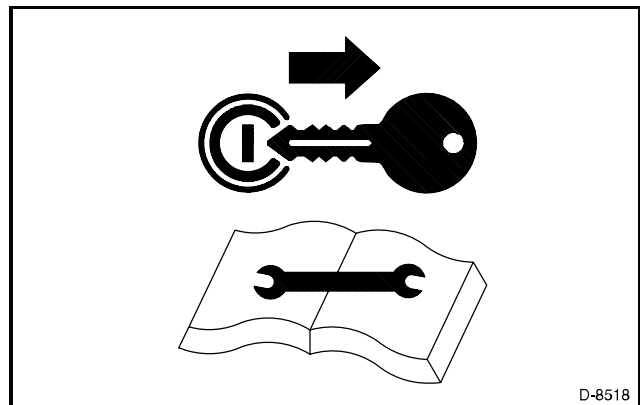
**FIG. 14**

## MAINTENANCE

**FIG. 15:** Before doing any unplugging, lubricating, servicing, cleaning, or adjusting park the tractor on a solid level surface. Put all controls in neutral, center and lock the steering wheel, and engage the parking lock control lever. Stop the tractor engine and take the key with you.

**LOOK AND LISTEN!** Make sure all moving parts have stopped.

Always chock the wheels before working on or under the machine.



D-8518

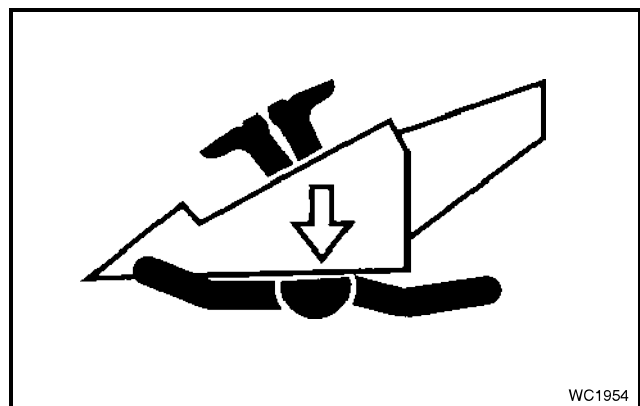
**FIG. 15**

**FIG. 16:** When working on the machine make sure the header is lowered to the ground.

When it is necessary for the header to be in the raised position, raise the header all the way and engage the header lift cylinder stops. See Cylinder Stops in the Safety section for more information.



**WARNING:** Always install the header lift cylinder stops when working near the header. Do not rely on the hydraulic system to keep the header raised. A sudden loss of hydraulic pressure could cause the header to lower unexpectedly.



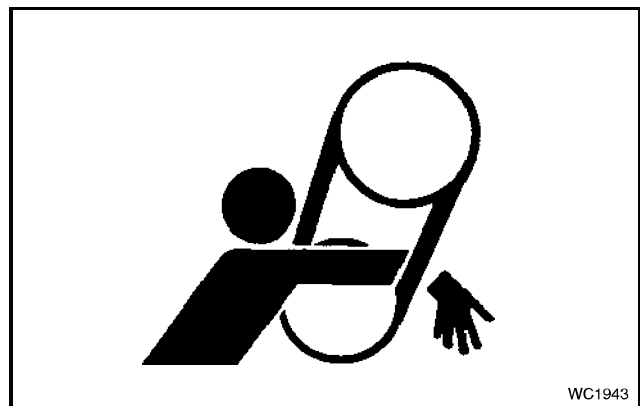
WC1954

**FIG. 16**

**FIG. 17:** Never check or adjust drive belts while the machine is running.

Never remove crop from the machine while the machine is running.

Moving parts can pull you in faster than you can move away!



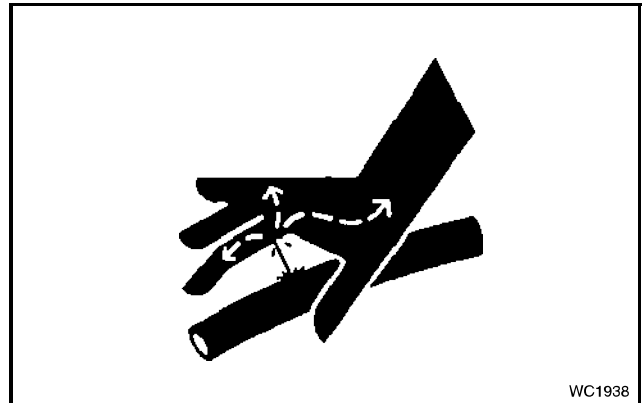
WC1943

**FIG. 17**

## SAFETY

**FIG. 18:** Hydraulic fluid escaping under pressure can have sufficient force to penetrate the skin, causing serious injury.

Fluid injected into the skin must be surgically removed within a few hours. If not treated immediately, a serious infection or toxic reaction can develop. See a doctor familiar with this type of injury immediately.



**FIG. 18**

**FIG. 19:** Hydraulic fluid escaping from a very small hole can be almost invisible. Use a piece of cardboard or wood to search for possible leaks, never use your hands. When checking for suspected leaks, wear leather gloves for hand protection and safety goggles for eye protection.

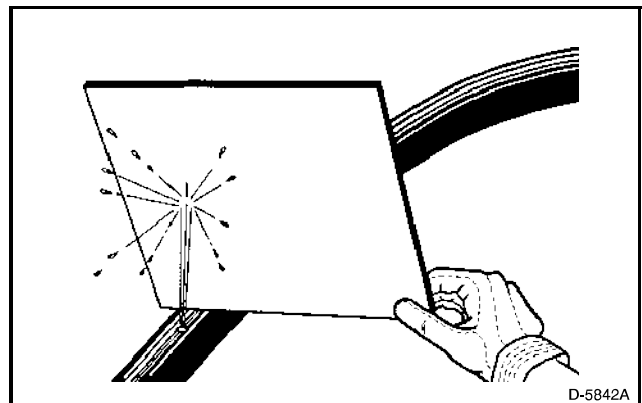
Be sure to relieve all pressure from hydraulic lines before disconnecting them. Before applying pressure to the system, make sure all hydraulic connections are tight and hydraulic lines have not been damaged.

Make sure electrical connectors are free of dirt and grease before connecting.

Check all nuts and bolts periodically for tightness. Check for loose, broken, missing, or damaged parts. Keep everything in good repair.

After unplugging, lubricating, servicing, cleaning, or adjusting the machine make sure all tools and equipment have been removed.

Make sure all shields and guards are in the correct position before operating the machine.



**FIG. 19**

## CYLINDER STOPS

**FIG. 20:** Both header lift cylinders have cylinder stops (1). The cylinder stops are activated by one lever (2) outside the cab door.

To engage the cylinder stops, raise the header completely. Move the lever toward the cab and then pull back toward the rear of the machine to engage the cylinder stops. Make sure the cylinder stops are completely engaged in both header lift cylinders.

To disengage the cylinder stops, raise the header completely. Move the lever toward the cab and then push forward toward the header to disengage the cylinder stops. Make sure the cylinder stops are completely disengaged from both header lift cylinders.



**FIG. 20**

## ACCUMULATORS

The accumulator is charged with dry nitrogen. Use only dry nitrogen when charging the accumulators. **DO NOT** use air or oxygen or an explosion will occur.

**DO NOT** drop the accumulators. Charged accumulators contain nitrogen under pressure. If the charging valves break away from the accumulators, the escaping nitrogen will propel the accumulators at a high rate of speed.



**DANGER: Charging or replacing the accumulators must be performed by an authorized dealer only.**

# SAFETY

## SAFETY SIGN LOCATION

### Headers with Spring Tensioner Roll Conditioners and Spoke Conditioners

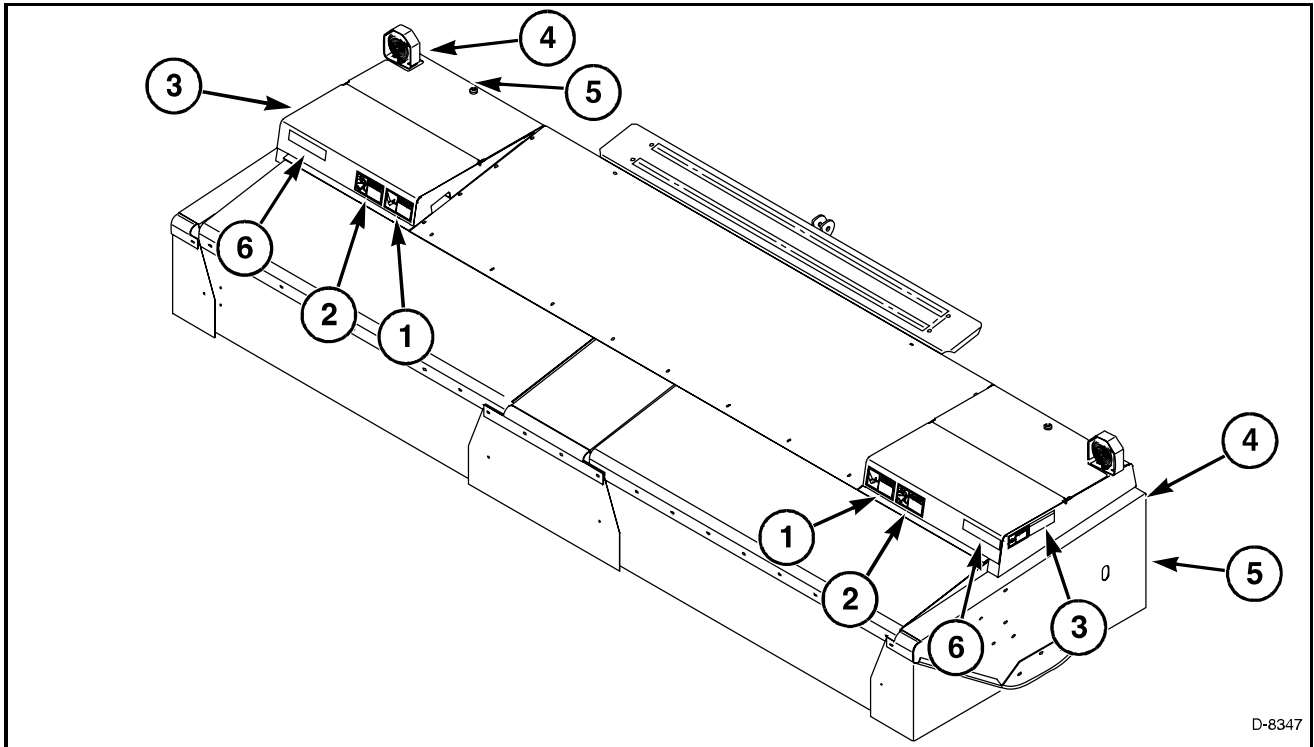
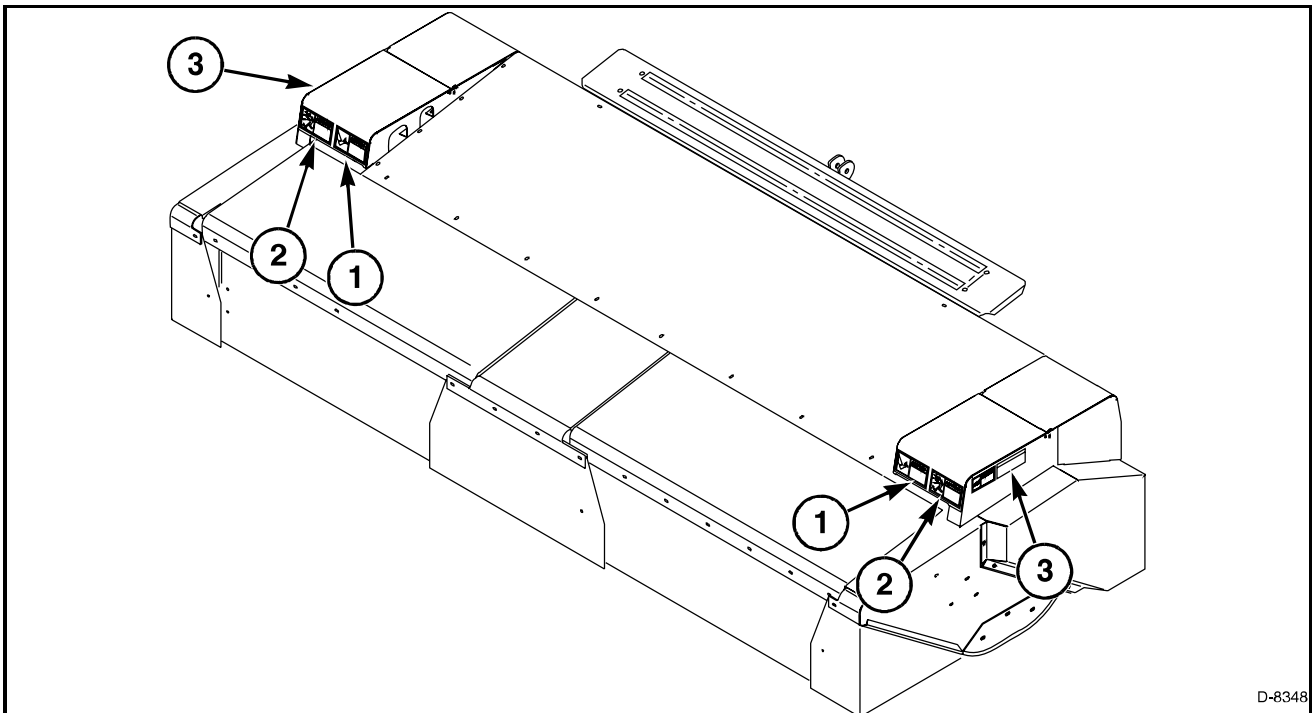


FIG. 21

FIG. 21: 15 Foot Header



D-8348

**FIG. 22**

**FIG. 22:** 12 Foot Header



Thank you so much for reading.  
Please click the “Buy Now!”  
button below to download the  
complete manual.



After you pay.

You can download the most  
perfect and complete manual in  
the world immediately.

Our support email:

[ebooklibonline@outlook.com](mailto:ebooklibonline@outlook.com)