

**920 AND 930
ROTARY ROLL
MOWER-CONDITIONERS
(SERIAL NO. 986351-)**

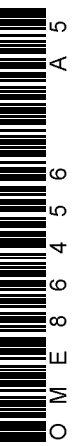


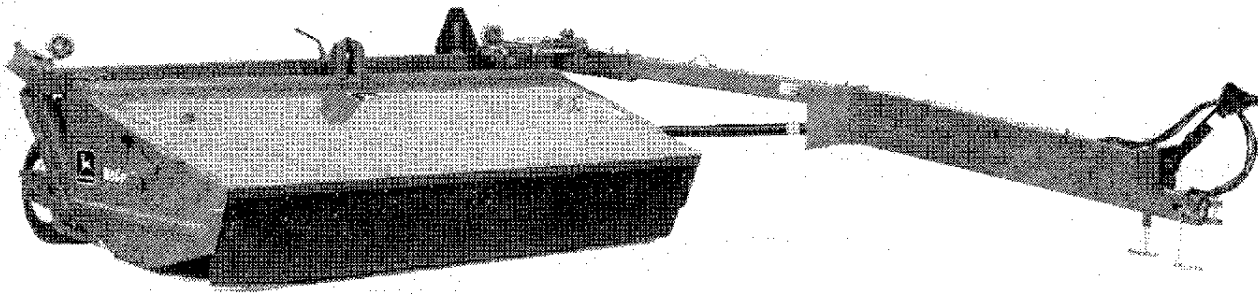
OPERATORS MANUAL
920 AND 930 ROTARY ROLL
MOWER-CONDITIONERS (SERIAL NO.
986351-)

OME86456 A5 English

**JOHN DEERE OTTUMWA WORKS
OME86456 A5**

LITHO IN THE U.S.A.
ENGLISH





-JUN-01-JAN94

F3/361

John Deere 930 Mower-Conditioner

READ THIS MANUAL carefully to learn how to operate and service your machine correctly. Failure to do so could result in personal injury or equipment damage. This manual and safety signs on your machine may also be available in other languages. (See your John Deere dealer to order.)

THIS MANUAL SHOULD BE CONSIDERED a permanent part of your machine and should remain with the machine when you sell it.

MEASUREMENTS in this manual are given in both metric and customary U.S. unit equivalents. Use only correct replacement parts and fasteners. Metric and inch fasteners may require a specific metric or inch wrench.

RIGHT-HAND AND LEFT-HAND sides are determined by facing in the direction the implement will travel when going forward.

WRITE PRODUCT IDENTIFICATION NUMBERS (P.I.N.) in the Specification section. Accurately record all the numbers to help in tracing the machine should

it be stolen. Your dealer also needs these numbers when you order parts. File the identification numbers in a secure place off the machine.

WARRANTY is provided as part of John Deere's support program for customers who operate and maintain their equipment as described in this manual. The warranty is explained on the warranty certificate which you should have received from your dealer.

This warranty provides you the assurance that John Deere will back its products where defects appear within the warranty period. In some circumstances, John Deere also provides field improvements, often without charge to the customer, even if the product is out of warranty. Should the equipment be abused, or modified to change its performance beyond the original factory specifications, the warranty will become void and field improvements may be denied. Setting fuel delivery above specifications or otherwise overpowering machines will result in such action.

THE TIRE MANUFACTURER'S warranty applicable to your machine may not apply outside the U.S.

Contents

Page	Page		
Safety	1	Operating Tips for Making Right-Hand Turn	34
Safety Signs	9	Operating Tips for Making 180 Degree Turn	36
Preparing the Tractor		Settings for Various Crop Conditions	38
Checking Ballast	13	Raising and Lowering Curtain	38
Selecting Tractor PTO Speed	13	Adjusting Windrow Width	39
Using Drawbar Shield	13	Adjusting Cutting Height	40
Preparing the Mower-Conditioner		Adjusting Carrier Frame Height	41
Installing Tongue Positioner on 920 Mo-Co	14	Adjusting Cut Height	42
Installing Tongue Positioner on 930 Mo-Co	16	Adjusting Platform Float	43
Checking Tire Inflation	17	Adjusting Conditioner Roll Pressure	44
Checking Wheel Bolts	18	Adjusting Roll Spacing	46
Attaching and Detaching		Operating in Short Crops	48
Adjusting Tractor Drawbar	19	Attachments	49
Adjusting Mower-Conditioner Hitch Clevis	19	Lubrication and Maintenance	53
Determining Need for Turn Limiters	21	Troubleshooting	62
Installing Narrow Turn Limiters	22	Service	
Installing Wide Turn Limiters	22	Practice Safe Service Procedures	66
Attaching to Tractor Drawbar	22	Unplugging Machine	66
Attaching PTO Driveline	23	Adjusting Wheel Bearing	67
Installing Safety Chain	23	Adjusting Slip Clutch	67
Attaching to Tractor Hydraulics	23	Replacing Slip Clutch Lining	67
Storing Jackstand	24	Slipping the Slip Clutch	70
Attaching Tongue Positioner Rope	24	Adjusting Cutterbar Drive Belt Tension	71
Detaching Mower-Conditioner from Tractor	25	Replacing Cutterbar Drive Belt	72
Transporting	26	Checking Disk Wear	75
Operating the Mower-Conditioner		Removing Disks	75
Prestarting Checks	30	Installing and Synchronizing Disks	76
Breaking-In Mower-Conditioner	30	Removing Knives	76
Starting and Driving	31	Installing Knives	77
Positioning Tongue for Field Operation	32	Checking the Knives	77
		Checking Knife Wear	78
		Checking Knife Mounting	78
		Checking Knife Bolts	78
		Replacing Knife Bolts	79

Continued on next page

All information, illustrations and specifications in this manual are based on the latest information available at the time of publication. The right is reserved to make changes at any time without notice.

OME86456 A5-19-24JAN95

COPYRIGHT® 1995
DEERE & COMPANY
Moline, Illinois
All rights reserved
A John Deere ILLUSTRATION™ Manual
Previous Editions
Copyright® 1994, 1993 Deere & Company

Contents

	Page
Checking Knife Nuts	79
Direction of Knife Rotation	80
Direction of Disk Rotation	80
Replacing Wear Shield on Knife Bolt	81
Clean Disk Area When Replacing Disk Driver	82
Replacing Disk Driver	83
Replacing Left-Hand End Disk Driver	84
Replacing Optional Right-Hand End Converging Disk Driver	87
Installing Gauge Shoes	90
Removing Gauge Shoes	91
Replacing Tire	92
Storage	
Storing Mower-Conditioner	93
Removing Mower-Conditioner From Storage	93
Specifications	
Inch Bolt and Cap Screw Torque Values	94
Metric Bolt and Cap Screw Torque Values	95
Specifications	96
Record Serial Numbers	97
Crime Prevention Tips	98
Index	

Safety

RECOGNIZE SAFETY INFORMATION

This is the safety-alert symbol. When you see this symbol on your machine or in this manual, be alert to the potential for personal injury.

Follow recommended precautions and safe operating practices.



DX,ALERT -19-03MAR93

T81389 -UN-07DEC88

UNDERSTAND SIGNAL WORDS

A signal word—DANGER, WARNING, or CAUTION—is used with the safety-alert symbol. DANGER identifies the most serious hazards.

DANGER or WARNING safety signs are located near specific hazards. General precautions are listed on CAUTION safety signs. CAUTION also calls attention to safety messages in this manual.



DX,SIGNAL -19-03MAR93

TS187 -19-30SEP88

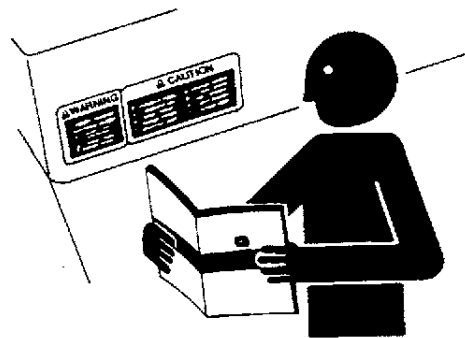
FOLLOW SAFETY INSTRUCTIONS

Carefully read all safety messages in this manual and on your machine safety signs. Keep safety signs in good condition. Replace missing or damaged safety signs. Be sure new equipment components and repair parts include the current safety signs. Replacement safety signs are available from your John Deere dealer.

Learn how to operate the machine and how to use controls properly. Do not let anyone operate without instruction.

Keep your machine in proper working condition. Unauthorized modifications to the machine may impair the function and/or safety and affect machine life.

If you do not understand any part of this manual and need assistance, contact your John Deere dealer.



DX,READ -19-03MAR93

TS201 -UN-29AUG88



OPERATE MOWER-CONDITIONER SAFELY

Keep all shields in place.

Never hand feed material into machine.

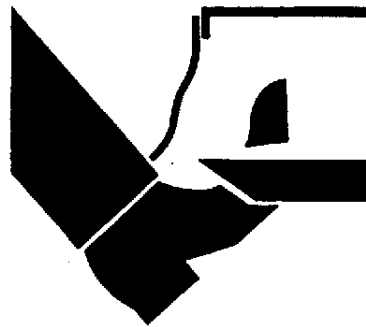
Do not lean against, sit, or stand on cutterbar curtains or their supporting framework.

Do not operate mower-conditioner with cutterbar in raised position.

Regularly check that disks and knife bolts are tight; make sure tines are securely fastened on rotor.

Always operate machine at rated speed.

Drive slowly over rough ground.



-JUN-23AUG88

TS268

-JUN-05OCT93

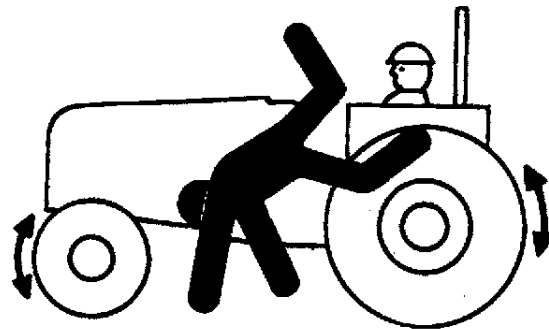
E37493

EX,900,C,A -19-12NOV93

KEEP RIDERS OFF MACHINE

Only allow the operator on the machine. Keep riders off.

Riders on machine are subject to injury such as being struck by foreign objects and being thrown off of the machine. Riders also obstruct the operator's view resulting in the machine being operated in an unsafe manner.



-JUN-23AUG88

TS250

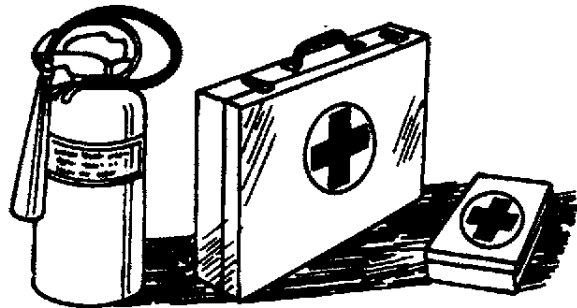
DX,RIDER -19-03MAR93

PREPARE FOR EMERGENCIES

Be prepared if a fire starts.

Keep a first aid kit and fire extinguisher handy.

Keep emergency numbers for doctors, ambulance service, hospital, and fire department near your telephone.



-JUN-23AUG88

TS291

DX,FIRE2 -19-03MAR93



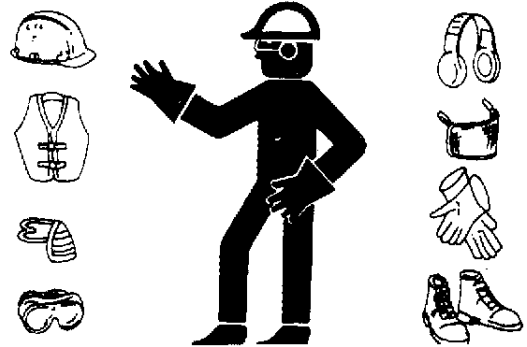
WEAR PROTECTIVE CLOTHING

Wear close fitting clothing and safety equipment appropriate to the job.

Prolonged exposure to loud noise can cause impairment or loss of hearing.

Wear a suitable hearing protective device such as earmuffs or earplugs to protect against objectionable or uncomfortable loud noises.

Operating equipment safely requires the full attention of the operator. Do not wear radio or music headphones while operating machine.



DX,WEAR -19-10SEP90

TSC06 -JUN-23AUG88

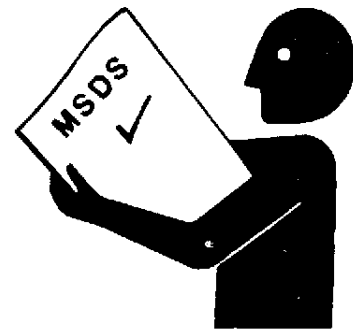
HANDLE CHEMICAL PRODUCTS SAFELY

Direct exposure to hazardous chemicals can cause serious injury. Potentially hazardous chemicals used with John Deere equipment include such items as lubricants, coolants, paints, and adhesives.

A Material Safety Data Sheet (MSDS) provides specific details on chemical products: physical and health hazards, safety procedures, and emergency response techniques.

Check the MSDS before you start any job using a hazardous chemical. That way you will know exactly what the risks are and how to do the job safely. Then follow procedures and recommended equipment.

(See your John Deere dealer for MSDS's on chemical products used with John Deere equipment.)



DX,MSDS,NA -19-03MAR93

TS1182 -JUN-26NOV90



STAY CLEAR OF ROTATING DRIVELINES

Entanglement in rotating driveline can cause serious injury or death.

Keep tractor master shield and driveline shields in place at all times. Make sure rotating shields turn freely.

Wear close fitting clothing. Stop the engine and be sure PTO driveline is stopped before making adjustments, connections, or cleaning out PTO driven equipment.



DX,PTO -19-03M/AR93

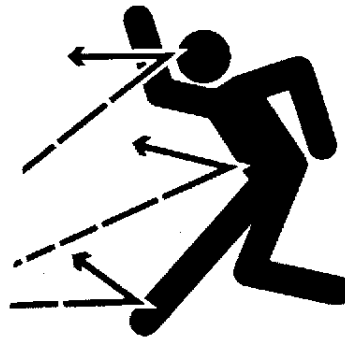
TS198 -UN-23AUG88

AVOID INJURY FROM THROWN OBJECTS

Extreme care must be exercised to avoid injury from thrown objects. Do not, under any circumstances, operate the mower-conditioner when other people are in the vicinity. Stones and other objects can be thrown great distances by the rotating cutting blades.

The cutterbar curtains are very important to reduce the potential for thrown objects. Always keep these curtains down when operating the mower-conditioner. Replace the curtains if they should become worn or damaged.

For additional operator protection from thrown objects, it is required that this mower-conditioner be used with a tractor equipped with a complete operator enclosure.



EX,930C,A -19-14CCT93

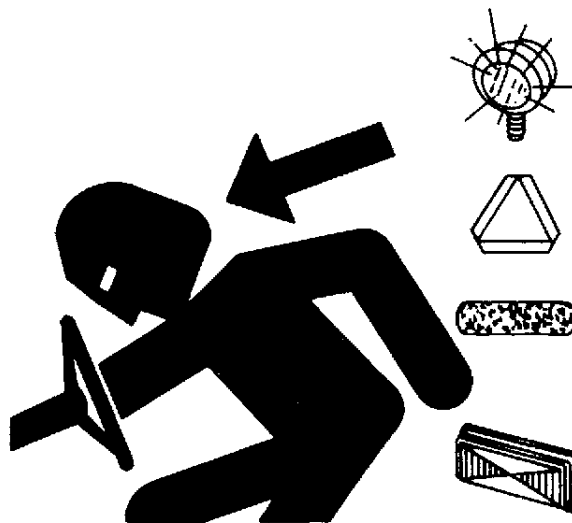
TS285 -UN-23AUG88

USE SAFETY LIGHTS AND DEVICES

Slow moving tractors, self-propelled equipment and towed implements or attachments can create a hazard when driven on public roads. They are difficult to see, especially at night. Avoid personal injury or death resulting from collision with a vehicle.

Whenever driving on public roads, use flashing warning lights and turn signal according to local regulation. To increase visibility, use the lights and devices provided with your machine. For some equipment, install extra flashing warning lights.

Keep safety items in good condition. Replace missing or damaged items. An implement safety lighting kit is available from your John Deere dealer.



DX,FLASH -19-16MAR93

TS951 -UN-12AFT80

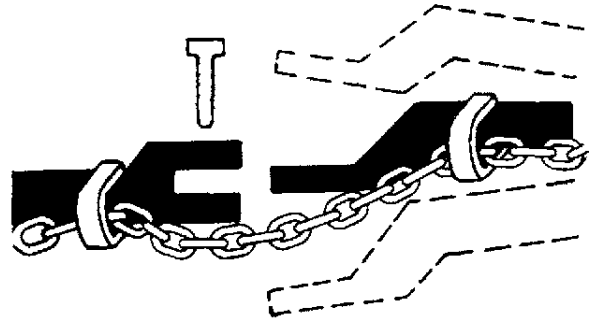


USE A SAFETY CHAIN

A safety chain will help control drawn equipment should it accidentally separate from the drawbar.

Using the appropriate adapter parts, attach the chain to the tractor drawbar support or other specified anchor location. Provide only enough slack in the chain to permit turning.

See your John Deere dealer for a chain with a strength rating equal to or greater than the gross weight of the towed machine. Do not use safety chain for towing.



TS217
-UN-23AUG88

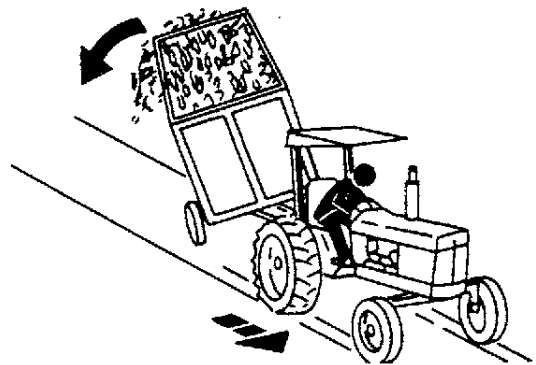
DX,CHAIN -19-03MAR93

REDUCE SPEED WHEN TOWING LOADS

Braking to stop towed loads from transport speeds can cause the towed load to swerve and upset. Reduce speed if towed load weighs more than the tractor and is not equipped with brakes.

Follow recommended speed-weight ratio guidelines:

- Maximum speed is 32 km/h (20 mph) when towing load equal to or less in weight than the tractor.
- Reduce speed to 16 km/h (10 mph) when towing load up to double the tractor weight.
- Do not tow loads exceeding double the tractor weight.
- Use additional caution when towing loads under adverse surface conditions, when turning, and on inclines.



TS216
-UN-23AUG88

DX,TOW -19-03MAR93



PRACTICE SAFE MAINTENANCE

Understand service procedure before doing work. Keep area clean and dry.

Never lubricate, service, or adjust machine while it is moving. Keep hands, feet, and clothing from power-driven parts. Disengage all power and operate controls to relieve pressure. Lower equipment to the ground. Stop the engine. Remove the key. Allow machine to cool.

Securely support any machine elements that must be raised for service work.

Keep all parts in good condition and properly installed. Fix damage immediately. Replace worn or broken parts. Remove any buildup of grease, oil, or debris.

Disconnect battery ground cable (-) before making adjustments on electrical systems or welding on machine.



DX,SERV -19-05MAR93

TS218 -JUN-23/AUG88

REMOVE PAINT BEFORE WELDING OR HEATING

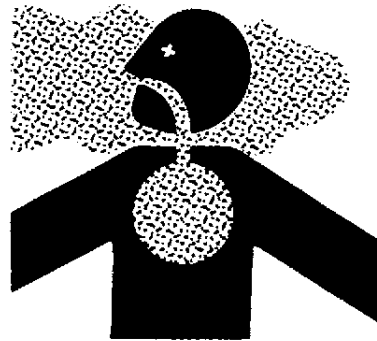
Avoid potentially toxic fumes and dust.

Hazardous fumes can be generated when paint is heated by welding, soldering, or using a torch.

Do all work outside or in a well ventilated area. Dispose of paint and solvent properly.

Remove paint before welding or heating:

- If you sand or grind paint, avoid breathing the dust. Wear an approved respirator.
- If you use solvent or paint stripper, remove stripper with soap and water before welding. Remove solvent or paint stripper containers and other flammable material from area. Allow fumes to disperse at least 15 minutes before welding or heating.



DX,PAINT -19-03MAR93

TS220 -JUN-23/AUG88



AVOID HEATING NEAR PRESSURIZED FLUID LINES

Flammable spray can be generated by heating near pressurized fluid lines, resulting in severe burns to yourself and bystanders. Do not heat by welding, soldering, or using a torch near pressurized fluid lines or other flammable materials. Pressurized lines can be accidentally cut when heat goes beyond the immediate flame area.



DX,TORCH -19-03MAR93

T5953 -JUN-15MAY90

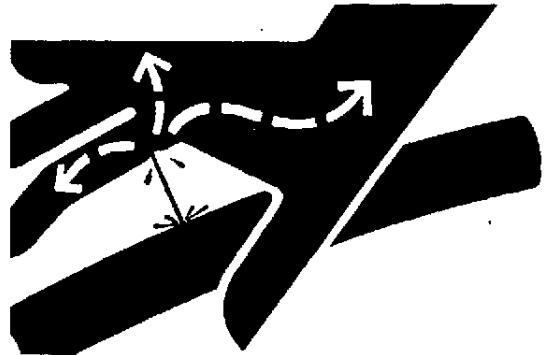
AVOID HIGH-PRESSURE FLUIDS

Escaping fluid under pressure can penetrate the skin causing serious injury.

Avoid the hazard by relieving pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure.

Search for leaks with a piece of cardboard. Protect hands and body from high pressure fluids.

If an accident occurs, see a doctor immediately. Any fluid injected into the skin must be surgically removed within a few hours or gangrene may result. Doctors unfamiliar with this type of injury should reference a knowledgeable medical source. Such information is available from Deere & Company Medical Department in Moline, Illinois, U.S.A.



DX,FLUID -19-03MAR93

X8811 -JUN-23AUG88

X8811



DISPOSE OF WASTE PROPERLY

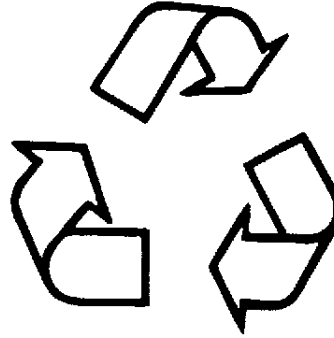
Improperly disposing of waste can threaten the environment and ecology. Potentially harmful waste used with John Deere equipment include such items as oil, fuel, coolant, brake fluid, filters, and batteries.

Use leakproof containers when draining fluids. Do not use food or beverage containers that may mislead someone into drinking from them.

Do not pour waste onto the ground, down a drain, or into any water source.

Air conditioning refrigerants escaping into the air can damage the Earth's atmosphere. Government regulations may require a certified air conditioning service center to recover and recycle used air conditioning refrigerants.

Inquire on the proper way to recycle or dispose of waste from your local environmental or recycling center, or from your John Deere dealer.

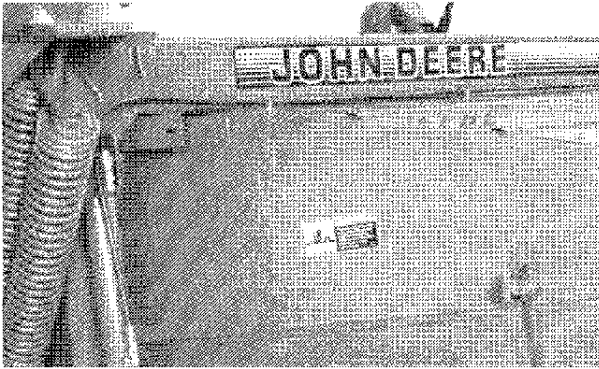


-UN-26NOV80

TS1133


DX,DRAIN -19-03MAR83

Safety Signs



-UN-07JUL93

E87355



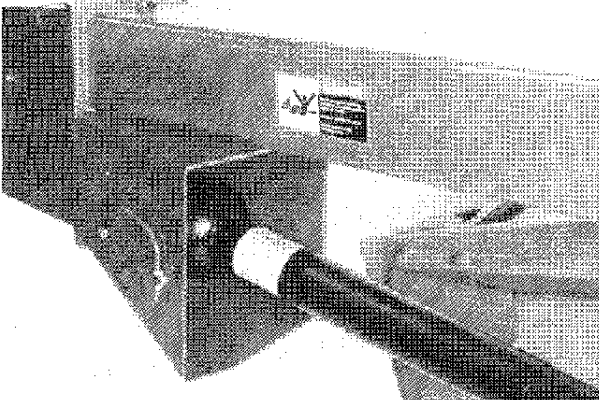
⚠ DANGER

To avoid a serious crushing injury, extend lift cylinders completely and engage BOTH cylinder stops before working under raised harvesting unit

-18-30SEP83

E87347

EX,920Z,A -19-02JUN83



-UN-07JUL93

E87348



⚠ DANGER

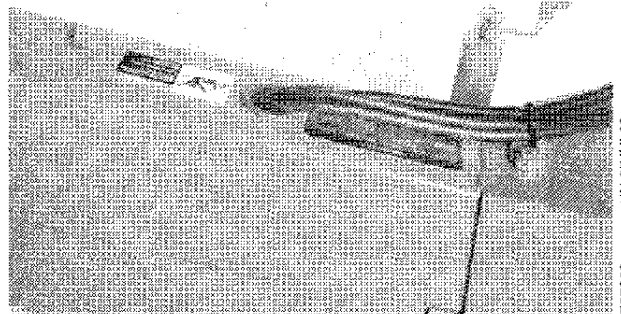
Entanglement in rotating driveline can cause serious injury or death.

Keep all shields in place.

Avoid contact with rotating parts.

-18-30SEP83

E87349



-UN-07JUL93

E87350

EX,920Z,B -19-22JUN84

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