

NEW HOLLAND

T8010

T8020

T8030

T8040

T8050

After S/N Z8RW06001

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First Printing

OPERATOR'S MANUAL



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1 - GENERAL INFORMATION

Personal safety



THIS SAFETY ALERT SYMBOL INDICATES IMPORTANT SAFETY MESSAGES IN THIS MANUAL. WHEN YOU SEE THIS SYMBOL, CAREFULLY READ THE MESSAGE THAT FOLLOWS AND BE ALERT TO THE POSSIBILITY OF DEATH OR SERIOUS INJURY.




Throughout this manual and on the machine's safety decals, you will find precautionary statements: DANGER< WARNING or CAUTION followed by special instructions or ISO two panel safety pictorial symbols. These precautions are intended for your personal safety.

Failure to follow the DANGER, WARNING or CAUTION instructions may result in death or serious bodily injury.

DANGER, WARNING or CAUTION are defined as follows:

- **DANGER:** Indicates an immediate hazardous situation that, if not avoided, will result in death or serious injury. The color associated with Danger is RED.
- **WARNING:** Indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury. The color associated with Warning is ORANGE.
- **CAUTION:** Indicates a potentially hazardous situation that, if not avoided, could result in minor or moderate injury. It may also be used to alert against unsafe practices. The color associated with Caution is YELLOW.

ISO two panel pictorial symbol decals are defined as follows:

- The first panel indicates the nature of the hazard.
- The second panel indicates the appropriate avoidance of the hazard
- Background color is YELLOW.
- Prohibition symbols such as   and  if used are RED.



IMPROPER OPERATION OF THIS MACHINE CAN CAUSE DEATH OR SERIOUS INJURY. BEFORE USING THIS MACHINE, MAKE CERTAIN THAT EVERY OPERATOR:

- Is instructed in safe and proper use of the machine.
- Reads and understands the Manual(s) pertaining to the machine.
- Reads and understands ALL Safety Decals on the machine.
- Clears the area of other persons.
- Learns and practices safe use of machine controls in a safe, clear area before operating this machine on a job site.

It is your responsibility to observe pertinent laws and regulations and follow CNH America LLC instructions on machine operation and maintenance.

CNH America LLC technical manuals

Manuals are available from your Dealer for the operation, service and repair of your machine. For prompt convenient service, contact your Dealer for assistance in obtaining the manuals for your machine.

You Dealer can expedite your order for Operators Manuals, Parts Catalogs, Repair Manuals and maintenance records.

Always give the Machine Name, Model and S.N. (serial number) of your machine so your Dealer can provide the correct manuals for your machine.

The company is continually striving to improve its products and therefore reserves the right to make improvements and changes when it becomes practical and possible to do so, without incurring any obligation to make changes or additions to the equipment sold previously.

All data given in this manual is subject to production variations. **IMPORTANT: OPERATING AND SERVICE MESSAGES DISPLAYED ON THE ELECTRONIC OPERATING PANEL MAY VARY FROM WHAT IS SHOWN IN THE OPERATOR'S MANUAL. SHOULD THIS OCCUR ADHERE TO THE LATEST INSTRUCTION ON THE ELECTRONIC OPERATING PANEL.**

Dimensions and weights are approximate only and the illustrations do not necessarily show the machine in standard condition. For exact information about any particular machine, please consult your dealer.

Proposition 65

CALIFORNIA

Proposition 65 Warning

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

Battery posts, terminals and related accessories contain lead and lead compounds. Wash hands after handling.

RCIL08CCH001EAA 1

Product identification



RCPH08CCH008FAB 1



RCPH08CCH014FAB 2

Note to the Owner

This manual contains important information about the safe operation, adjustment and routine maintenance of your New Holland T8000 series tractor. The manual is divided into eleven chapters as outlined in the table of contents. Refer to the index at the end of this manual for locating specific items about your tractor.

Do NOT operate or permit anyone to operate or service this machine until you or the other persons have read this manual. Use only trained operators who have demonstrated the ability to operate and service this machine correctly and safely.

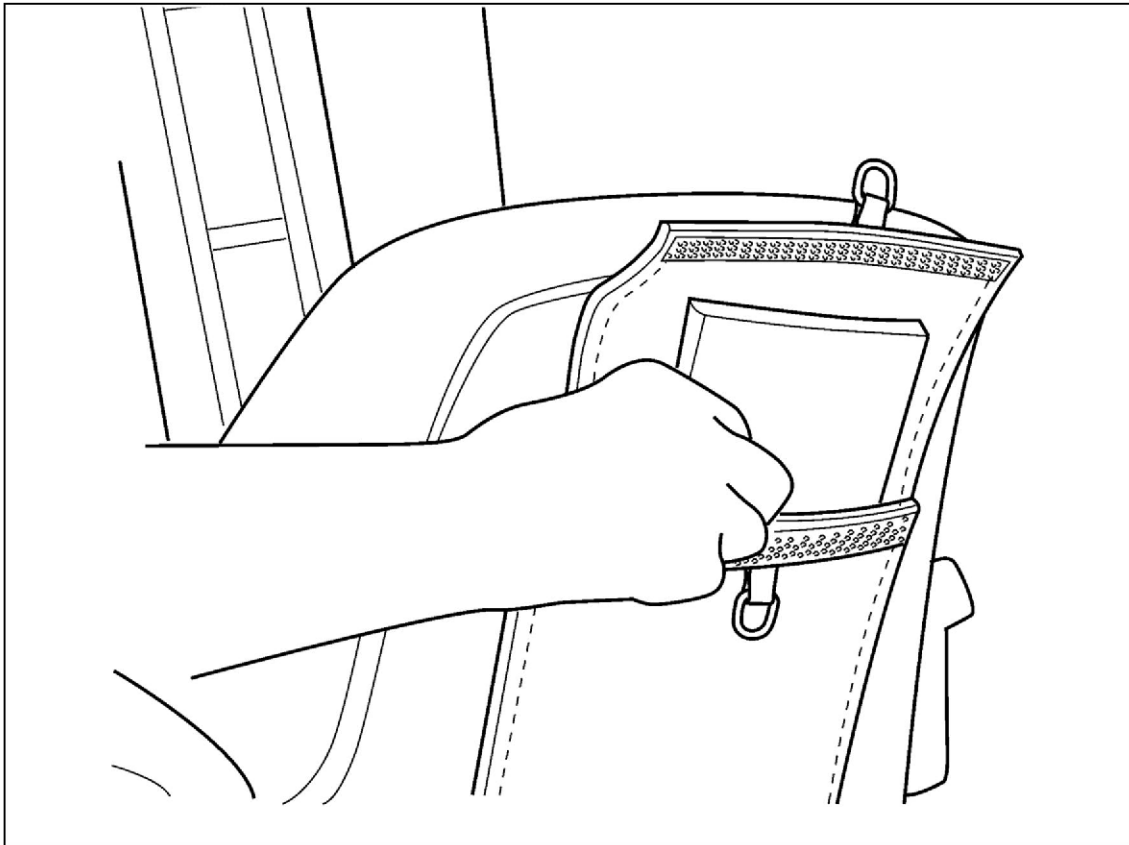
This Operator's Manual is to be stored in the manual compartment equipped on this machine. Make sure this manual is in good condition. Contact your dealer to obtain additional manuals. Contact your dealer for any further information or assistance about your machine. Your dealer has approved service parts. Your dealer has technicians with special training that know the best methods of repair and maintenance for your tractor.

Tractor intended use

The New Holland T8000 series tractor with standard equipment and authorized attachments, are intended to be used for customary farming, land leveling and related agriculture operations. Installation of utility (dozer) blades, tile plows, or push bars on the tractor is not recommended. Any tractor damage resulting from the installation and/or use of such equipment is not covered by the tractor warranty.

Consult an authorized dealer or CNH America LLC on changes, additions or modifications that can be required for this machine to comply with various regulations and safety requirements. Unauthorized modifications will cause serious injury or death. Anyone making such unauthorized modifications is responsible for the consequences.

Manual storage



RCPH08CCH001FAB 1

Keep the Operator's Manual in the storage compartment provided on your tractor. The Operator's Manual must be available for use by all operators.

The right hand and left hand side of the tractor used in this manual are the same as your right hand and left hand when sitting in the tractor seat looking forward.

Product identification

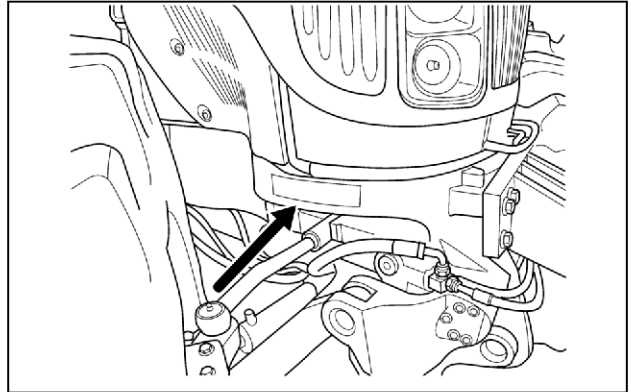
Write your Model Number and Serial Number of major components on the lines provided. If needed, give these numbers to your dealer when you need parts or information for your machine.

Tractor model and serial number

Model :

Serial Number

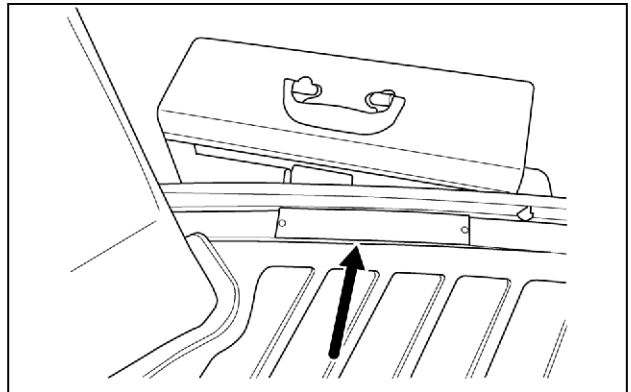
NOTE: Located on right hand front casting.



RCPH08CCH480AAB 1

Roll over protection system (ROPS) serial number

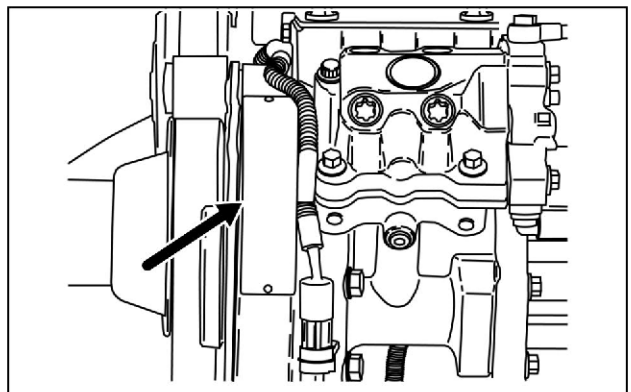
NOTE: Located on the right hand cab floor.



RCPH08CCH482AAB 2

Engine serial number

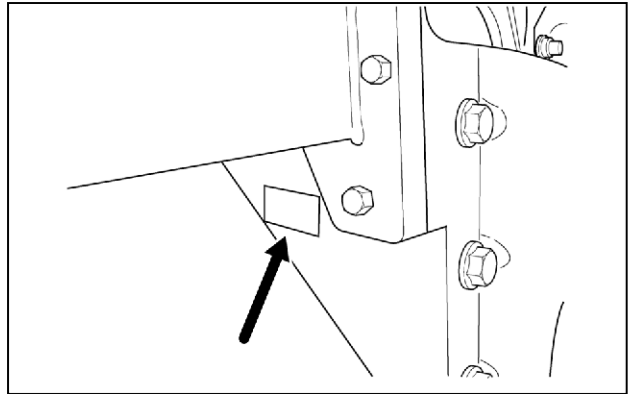
NOTE: Located on the front left hand side of the engine.



RCPH08CCH479AAB 3

Transmission serial number

NOTE: Located on the right hand side of the transmission (speed housing) behind the fuel tank and to the left of the ground stud.



RCPH08CCH485AAB 4

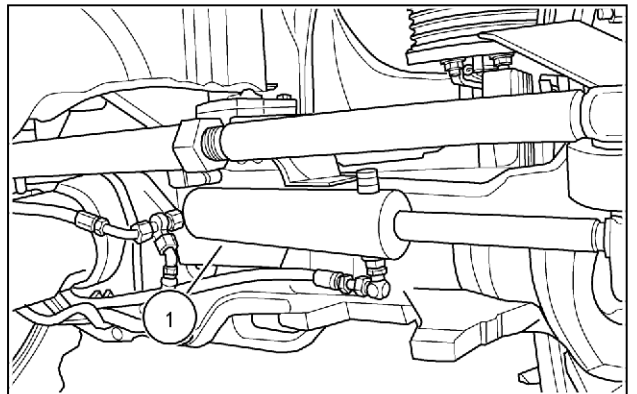
Axle serial number

Standard MFD axle: Located on the rear right hand side of the axle housing (1) (shown).

Class V MFD axle: Located on the rear right hand side of the axle housing (not shown).

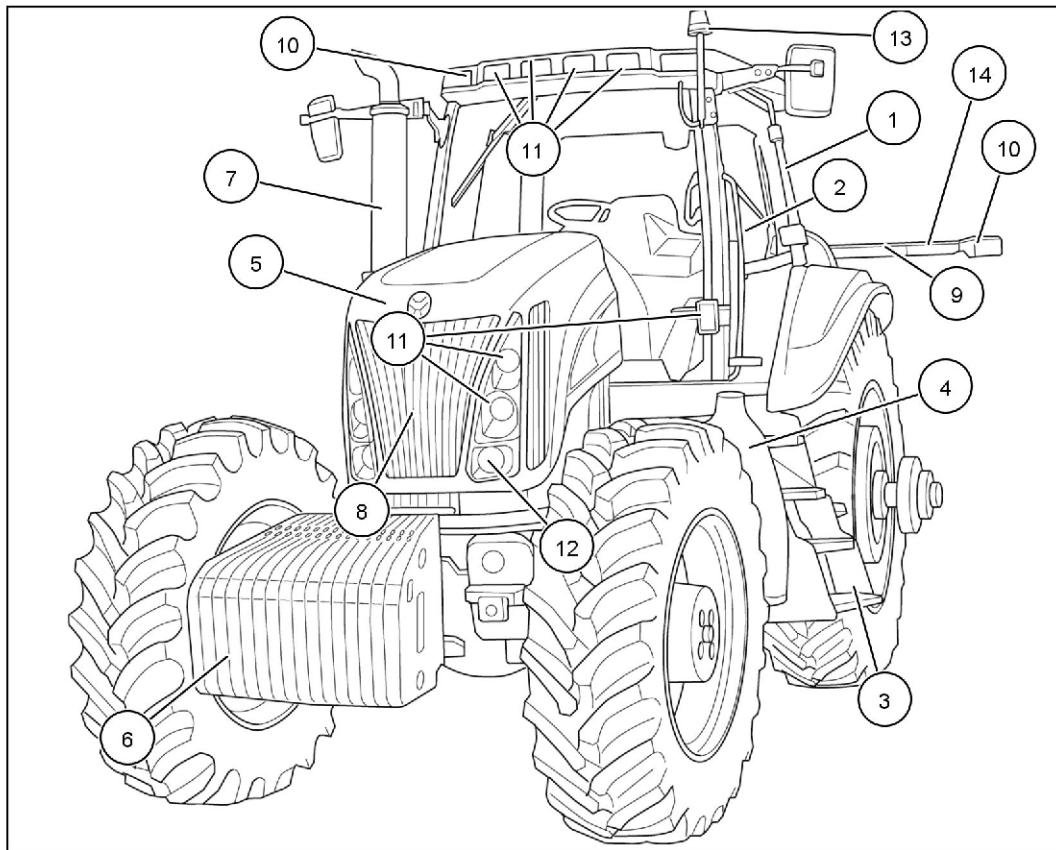
Scissors suspended axle: Located on the front right hand side of the axle housing (not shown).

SuperSteer axle: Located on the front right hand side of the axle housing (not shown).



RCPH08CCH484AAB 5

Component location

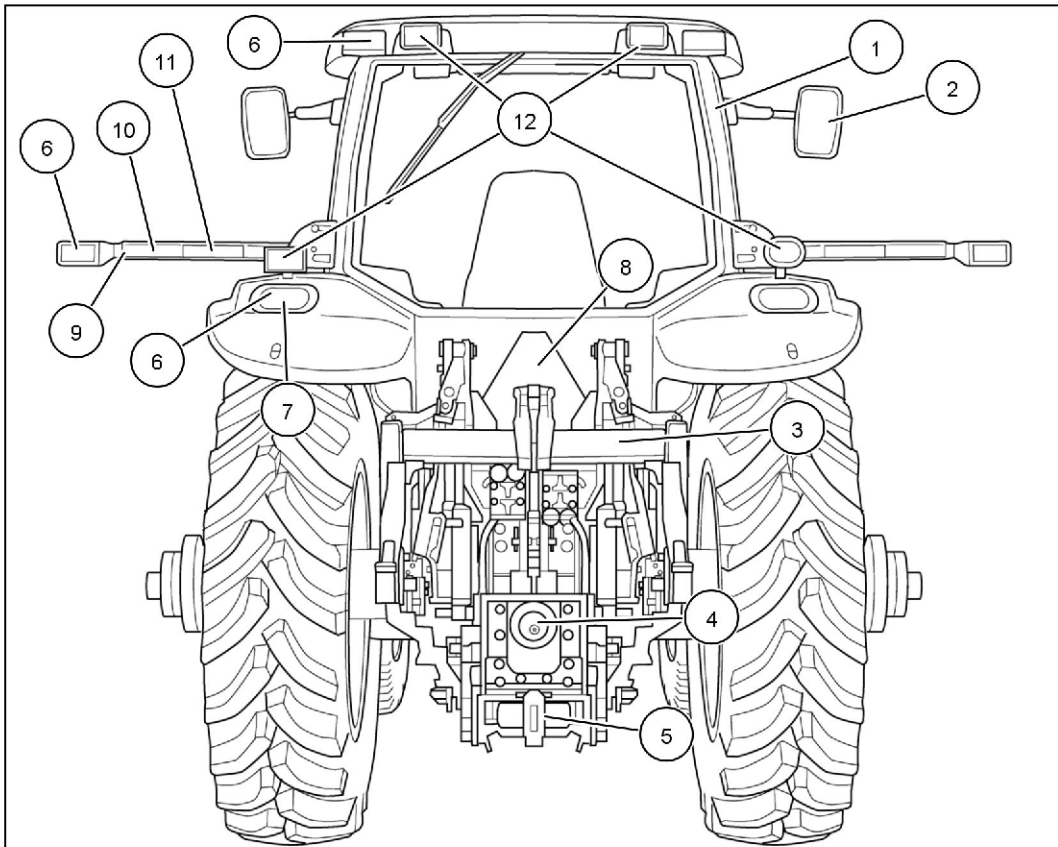


RCPH08CCH008FAB 1

- 1. ROPS cab
- 2. Hand rail
- 3. Steps
- 4. Fuel tank
- 5. Hood

- 6. Front weights
- 7. Exhaust stack
- 8. Coolers and radiator
- 9. Wide transport marker
- 10. Amber warning lamps

- 11. Work lamps
- 12. Road lamps
- 13. Safety beacon
- 14. Amber reflector



RCPH08CCH009FAB 2

- | | | |
|------------------------|-----------------------|----------------------------|
| 1. ROPS cab | 5. Drawbar | 9. Wide transport marker |
| 2. Rear view mirror | 6. Amber warning lamp | 10. Red reflector |
| 3. Rear hitch | 7. Brake/tail lamp | 11. Orange reflector |
| 4. Power takeoff (PTO) | 8. SMV symbol | 12. Roof/fender work lamps |

2 - SAFETY INFORMATION

Safety rules

Understand that your safety and the safety of other persons is measured by how you service and operate this machine. Know the positions and operation of all controls before you try to operate. **MAKE SURE YOU CHECK ALL CONTROLS IN A SAFE AREA BEFORE STARTING YOUR WORK.**

READ THIS MANUAL COMPLETELY and make sure you understand the controls. All equipment has limits. Make sure you understand the speed, brakes, steering stability and load characteristics of this machine before you start to operate.

The safety information given in this manual does not replace safety codes, insurance needs, federal, state and local laws. Make sure your machine has the correct equipment needed by the local laws and regulations.

CNH America LLC is continuing to work for your safety by making tractors with better protection and by providing these rules for safe operation.

- Before starting the engine, be sure all operating controls are in neutral or park lock position. This will eliminate accidental movement of the machine or start up of power driven equipment. (M106E)
- Operate controls only when seated in the operators seat. (M137A)
- Securely fasten your seat belt. The seat belt can increase your safety if it is used and maintained. Never wear a seat belt loosely or with slack in the belt system. Never wear the belt in a twisted condition or pinched between the seat structural members, Inspect seat belt webbing, buckle and retractors to ensure they are not damaged. If damage is apparent, repair before operating the machine. Failure to comply could result in death or serious injury. (M1284)
- A frequent cause of death or serious injury is persons falling off machinery and being run over. Keep cab door closed. Instructional seat is used only for instructing or service diagnosing only. DO NOT permit others to ride, especially children. Seat belt must be worn at all times. (M488C)
- Stay off slopes too steep for safe operation. Shift down before you start up or down a hill with a heavy load. Avoid "free wheeling."
- Do not drive on roads, or at high speed anywhere, with the differential lock engaged. Difficult steering will occur, and can result in an accident. In field operation, use the differential lock for traction improvement, but release for turning at row ends. (M116A)
- Travel speed should be such that complete control and machine stability is maintained at all times. Where possible, avoid operating near ditches, embankments and holes. Reduce speed when turning, crossing slopes, and on rough, slick, or muddy surfaces. Failure to comply could result in death or serious injury. (M109B)
- Do not exceed implement transport speed or the speed rating on the implement tires. Review the implements Operator's Manual for specifications.
- Failure to comply could result in death or serious injury. (M1219)
- Collision of high speed road traffic and slow moving machines can cause personal injury or death. On roads, use flasher/lights according to local laws. Keep slow moving vehicle (SMV) emblem visible. Pull over to let faster traffic pass. Slow down and signal before turning off. (R110E)
- For speeds up to **16 km/h (10 mph)**, make sure that the weight of a trailed vehicle that is not equipped with brakes does NOT EXCEED 1.5 times the Tractor weight. For speeds up to **40 km/h (25 mph)**, make sure that the weight of the trailed vehicle that is not equipped with brakes, does NOT EXCEED the weight of the Tractor. Stopping distance increases with increasing speed as the weight of the towed load increases, especially on hills and slopes. (M814A)
- Brake pedals must be locked together for road travel. This will insure uniform brake application and maximum stopping ability. Failure to comply could result in death or serious injury. (R112A)
- Extra weight and bad traction conditions such as mud or ice increase your stopping distance. Remember that liquid in the tires, weights on the machine or wheels, tanks filled with fertilizer, herbicides or insecticides - all these add weight and increase the distance you need in which to stop. (R138B)
- Before leaving the tractor, stop the engine, put all controls in neutral or park lock position, remove the key from the key switch. (R301B)
- If the tractor engine stalls, hydraulic pressure drops, and the brake pedals can be pushed to the floor. Activating BOTH pedals will engage the park brake. (M768)
- PTO driven machinery can cause serious injury. Before working on or near the PTO shaft, or servicing or clearing the driven machine, put the PTO lever in the DISENGAGE position and STOP the engine. (R154A)

- Whenever a PTO driven machine is in operation, the PTO guard must be in place for most operations to prevent injury to the operator or bystanders. Where attachments, such as pumps, are installed on the PTO shaft (especially if the tractor PTO guard is moved upward or removed), extended shielding equivalent to the PTO guard must be installed with the attachment. Install the PTO guard to its original position immediately when the attachment is removed. (R273A)
- When doing stationary PTO work and dismantling from the tractor with the PTO running, keep clear of all moving parts as they are a potential safety hazard. (R127A)
- Never operate the engine in a closed building. Proper ventilation is required under all circumstances. (R142A)
- Never refuel the machine when the engine is hot or running. Never smoke while refueling. (R139C)
- Check and service cooling system according to the maintenance instructions. Hot coolant can spray out if the deaeration tank cap is removed while system is hot. To remove the deaeration tank cap, let system cool, turn to first notch, then wait until all pressure is released. Scalding can result from fast removal of the cap. (R141C)
- Hydraulic oil or diesel fuel leaking under pressure can penetrate the skin and cause infection or other injury. To Prevent Personal Injury:
 - Relieve all pressure before disconnecting fluid lines.
 - Before applying pressure, make sure all connections are tight and components are in good condition.
 - Never use your hand to check for suspected leaks under pressure.
 - Use a piece of cardboard or wood for this purpose. If injured by leaking fluid, see your doctor immediately. (R149B)
- Rear upset can result if pulling from wrong location on tractor. Hitch only to the drawbar. Use three point hitch only with the implements designed for its use - not as a drawbar.
- Do not look directly into the front or rear High Intensity Discharge Lamps. Eye damage can occur. (M638)
- If the tractor stalls, hydraulic pressure drops, and the brake pedals can be pushed to the floor. Activating BOTH pedals will engage the park brake. (M768)
- Clean tractor of field trash daily or more frequently depending upon conditions. Trash accumulation on the tractor can cause damage and fire. (M791)
- Always keep the cab windows and rear view mirrors clean to provide the best all around visibility while operating the tractor. (R416)
- Do not pull with elastic tow ropes. Elastic tow rope stores energy. Sudden release may cause injury or death. (M425)
- Young children should not be permitted to operate or ride the tractor under any circumstances. (M630)
- Do not tamper with the ballast on the front or rear High Intensity Discharge Lamps as it contains high voltage. Personal injury or death can occur. (M639)
- ALWAYS sound horn before starting the machine. Make sure working area is clear of other persons, pets, tools, etc. before you start operating this machine. NEVER allow anybody in work area during machine operation. (M804)
- To prevent tractor movement, always apply the park brake whenever the tractor is parked with the engine running. The park brake is applied automatically when the engine is shut down. (M627)
- Always start the engine from the operator's seat. Never attempt to bypass start, the tractor may suddenly start and move resulting in serious or fatal injury. (M787)
- This tractor is equipped with a spring applied mechanical front wheel drive (MFD) clutch and a front axle limited slip differential. Even with the MFD engaging switch in the Off position, the front axle clutch can propel both front wheels if any of the following conditions occur:
 1. The engine is turned off.
 2. The engine is stopped when the rear wheels are still coasting.
 3. Any interruption in the clutch operating hydraulic system flow or pressure or in the electrical controls for clutch operation.
 4. Both brakes are applied.
- For these reasons, the following service procedures must be followed:
 - Before rotating the rear wheels of a MFD tractor (if you are using engine power with the rear wheels supported off the ground), one of the following procedures must be done to prevent an accidental tractor movement.
 - Jack up and support BOTH front wheels completely off the ground.
 - OR
 - Disconnect the front wheel drive shaft. Doing one of these two procedures will insure that engagement of the MFD clutch will not result in tractor movement. (R292B)
- To avoid possible eye damage from microwave signals emitted by the radar sensor, do not look directly into the sensor face. (M788)

INSTRUCTIONAL SEAT SAFETY

- Extra riders, especially children, are not permitted to ride on the machine.
- The Instructional Seat is used only when training a new operator or when a service technician is diagnosing a mechanical problem.
- A frequent cause of personal injury or death is persons falling off and being run over. DO NOT permit others to ride, except in designated instructional seat.
- When the Instructional Seat is occupied, the following precautions must be taken:
 - A. Machine should be driven at a slower speed and on level ground.
 - B. Avoid driving on highways or public roads.
 - C. Avoid quick starts or stops.
 - D. Avoid sharp turns.
 - E. Always wear seat belts.
 - F. Cab door must be closed at all times.

**WARNING**

Before starting the engine make sure seat belts are securely fastened. The seat belt can help insure your safety if it is used and properly maintained. Never wear a seat belt loosely or with slack in the belt system. Never wear the belt in a twisted condition or pinched between the seat structural members.

M422B

**WARNING**

A frequent cause of death or serious injury is persons falling off machinery and being run over. Keep cab door closed. Instructional seat is used only for instructing or service diagnosing only. DO NOT permit others to ride, especially children. Seat belt must be worn at all times.

M488C

FIRE SAFETY

- Fire risks can be minimized by frequent removal of accumulated crop material, trash or debris from the machine.
- Remove all crop material, trash or debris from the machine each day. Especially check the engine area and exhaust system.
- Engine fuel can cause an explosion or fire. DO NOT fill the fuel tank with the engine running; if you are near an open fire; or if you are welding, smoking, etc.
- Refer to Fire Prevention in the Maintenance Section of this manual for additional information.

**CAUTION**

It is good practice to carry a fire extinguisher on the machine. Be sure that the extinguisher is properly maintained and be familiar with its proper use.

M102B

MAINTENANCE SAFETY

- Always keep safety and informational decals clean and visible. Replace decals that are damaged, lost, painted over or can not be read.
- When assembling, operating or servicing the machine, wear protective clothing and personal safety devices that are necessary for the particular procedure. Some personal safety devices that may be necessary are protective shoes, face and/or eye protection, hard hat, heavy gloves, filter mask and hearing protection.
- DO NOT wear jewelry or loose fitting clothing that may get caught in moving parts. Always wear close fitting clothing. Keep hands, feet, clothing and hair away from moving parts.
- Never attempt to clear obstructions or objects from the machine while the engine is running.
- Always stop the engine and remove the key from the key switch when leaving the operator's seat or the machine.
- When servicing the machine, always have the machine on a firm level surface.
- If shields or guards are removed or opened for service, always replace them before operating the machine.

