

**510
Loader**

Operators Manual

9-16791

Reprinted

CASE






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 PERSONAL INJURY OR DEATH.

M171B

If Safety Decals on this machine use the words **Danger, Warning or Caution**, which are defined as follows:

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

If Safety Decals on this machine are ISO two panel Pictorial, 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.



WARNING

IMPROPER OPERATION OF THIS MACHINE CAN CAUSE INJURY OR DEATH. 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 Case Corporation instructions on machine operation and maintenance.

TO THE OWNER _____

TO THE OWNER OF A CASE IH LOADER

Read this manual before you operate the loader. If you need more information, see your dealer.

Your dealer can give you assistance with Case Company approved service parts. Your dealer has technicians with special training that know the best methods of repair and maintenance for your loader.

Call your dealer if you need any assistance or information.

MODEL 510 LOADER MOUNTED ON 5140 MFD TRACTOR



NOTE: *When you are in the tractor seat looking forward, the right hand and left hand of the tractor and loader are the same as your right hand and left hand.*

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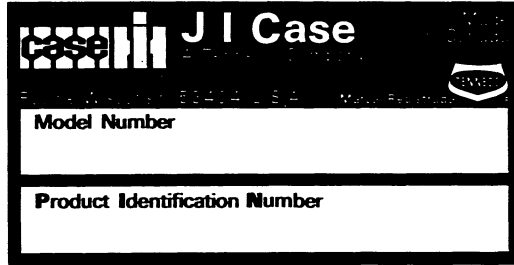


IDENTIFICATION NUMBERS _____

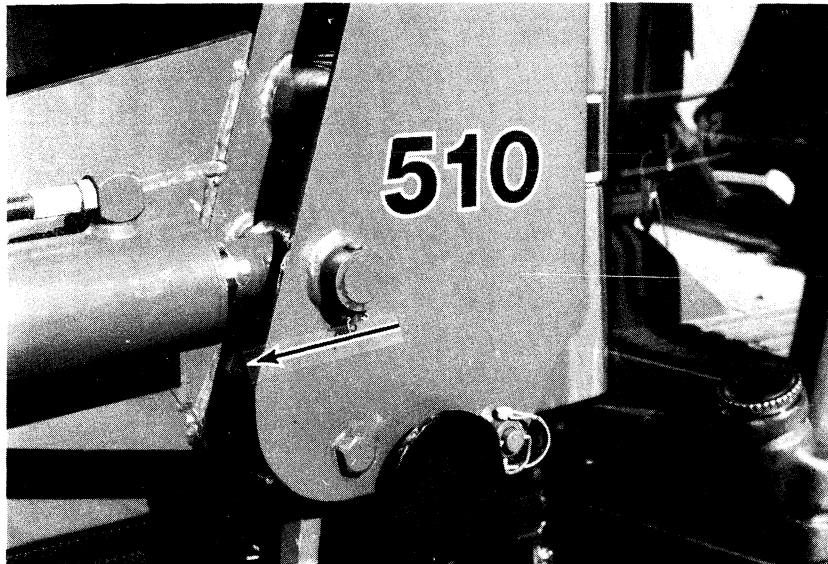
PRODUCT IDENTIFICATION NUMBERS

When ordering parts or when requesting information or assistance always give the following information:

1. Machine Name
2. Model Number
3. Product Identification Number



3216883



Write the model and product identification numbers of your loader on the lines below.

1. MODEL NUMBER _____

2. PRODUCT IDENTIFICATION NUMBER _____

SAFETY/DECALS

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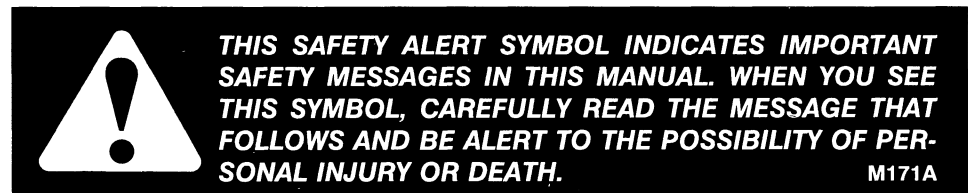
SAFETY

Understand that your safety and the safety of other persons is measured by how you service and operate this loader. Know the positions and operations 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 a limit. Make sure you understand the stability and load characteristics of this loader 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.

Case IH is continuing to work for your safety by making tractors and loaders with better protection and by giving these rules for safe operation.



Safety Rules



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. R106D

Operate controls only when seated in the operators seat. R137

Securely fasten your seat belt. Your tractor is equipped with a ROPS cab or frame for your protection. The seat belt can help insure 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. R271

A frequent cause of personal injury or death is persons falling off and being run over. Do not permit others to ride. Only one person - the operator - should be on the machine when it is in operation. R115A

Before leaving the tractor, stop the engine, put all controls in neutral, engage the park brake and remove the key from the key switch. R301

When using remote hydraulic tractor valves, the loader lift and dump cylinders will continue moving unless the control levers are manually returned to neutral, or until relief pressure is reached at the ends of piston strokes. The tractor valves are not spring loaded to return to neutral. Observe the bucket movement and maintain control with the levers. R317

SAFETY/DECALS

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".

R123

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.

R109A

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.

R149A

Contact with overhead power lines can cause severe electrical burns or death from electrocution. Make sure there is enough clearance between raised equipment and overhead power lines.

R135

Add recommended rear tire liquid weight or rear wheel weights for increased stability.

R311

Stop the loader arms gradually when lowering or lifting.

R312

A loader bucket should be transported in a low position at slow ground speeds. Make turns slowly and use the tractor brakes cautiously. A full bucket in the raised position alters the center of gravity location of the machine and increases the possibility of mishaps.

R313

Do not stand, walk or work under a raised loader or attachment unless it is securely blocked or held in position. Accidental movement of a control lever or leak in the hydraulic system could cause the main frame to drop, or attachment to dump, causing severe injury.

R314

Make sure all parked loaders on stands are on a hard level surface with all safety devices engaged to prevent loader from falling and being damaged or injuring someone.

R315

When using a loader equipped without self-leveling, be alert of bucket position at all times. Loader in raised position with bucket rolled back can dump material onto tractor causing damage or injury to tractor and/or operator.

R316

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