

2094 Tractor

Operators Manual

9-9410

Reprinted

CASE III



*This symbol means **ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED.** The message that follows the symbol contains important information about your safety. Carefully read the message. Make sure you fully understand the causes of possible injury or death.*

SB001

IF THIS MACHINE IS USED BY AN EMPLOYEE, IS LOANED, OR IS RENTED, MAKE SURE THAT THE OPERATOR UNDERSTANDS THE TWO INSTRUCTIONS BELOW.

BEFORE THE OPERATOR STARTS THE ENGINE:

1. GIVE INSTRUCTIONS TO THE OPERATOR ON SAFE AND CORRECT USE OF THE MACHINE.
2. MAKE SURE THE OPERATOR READS AND UNDERSTANDS THE OPERATOR'S MANUAL FOR THIS MACHINE.



IMPROPER OPERATION OF THIS MACHINE CAN CAUSE INJURY OR DEATH.

BEFORE STARTING THE ENGINE, DO THE FOLLOWING:

1. READ THE OPERATOR'S MANUAL.
2. READ ALL SAFETY DECALS ON THE MACHINE.
3. CLEAR THE AREA OF OTHER PERSONS.

LEARN AND PRACTICE SAFE USE OF MACHINE CONTROLS IN A SAFE, CLEAR AREA BEFORE YOU OPERATE THIS MACHINE ON A JOB SITE.

It is your responsibility to observe pertinent laws and regulations and to follow manufacturer's instructions on machine operation and maintenance.

See your Authorized Case dealer for additional operator's manuals, parts catalogs, and service manuals.

TABLE OF CONTENTS

| | | | |
|---|----------|--|--------|
| TO THE OWNER | III | LUBRICATION (Cont'd) | |
| SAFETY | IV-XVIII | Differential Oil Level | 32 |
| Safety Rules | IV | Planetary Oil Level | 33 |
| Before Starting | IV-V | Steering & Brake System Air Removal .. | 34 |
| Operation | VI-XIV | Front Wheel Bearing | 35 |
| Service | XV-XVIII | Front Wheel Pivot Pin Bearing | 36 |
| HAND SIGNALS | XIX-XX | ALTERNATOR CHARGING SYSTEMS ... | 36 |
| DECALS | XXI-XXV | OPERATING INSTRUCTIONS | 37-142 |
| NOTES | XXVI | Run-In Procedure | 37 |
| SERIAL NUMBERS | 1 | Before Starting the Engine | 38 |
| DIESEL ENGINE SPECIFICATIONS | 2,3 | Towing | 39 |
| GENERAL SPECIFICATIONS | 4-7 | How to Transport the Tractor | 39 |
| APPROXIMATE TRACTOR SPEEDS | | Digital Instrument Cluster | 40-63 |
| 12 Speed Transmission | 8 | Programming the Static | |
| FUEL SPECIFICATIONS | 9 | Loaded Radius | 43-46 |
| APPROXIMATE OVER ALL | | Programming the Dynamic | |
| MEASUREMENTS | 10-12 | Loaded Radius | 47-48 |
| APPROXIMATE TRANSPORT | | True Ground Speed | 49 |
| WEIGHT | 10-12 | True Ground Speed Sensor | 49-50 |
| OPERATOR'S CAB STANDARDS | 10 | Operating Service Monitors | |
| TIRE SIZE ARRANGEMENTS - MFD | 13 | And Bar Indicators | 56-61 |
| TIRE AND WHEEL EQUIPMENT | 14 | Automatic Shutdown System | |
| DUAL REAR TIRE PRESSURES | 15 | (If Equipped) | 62 |
| FRONT WHEEL TREAD POSITIONS .. | 16-17 | Instrument Cluster Problem | |
| REAR WHEEL TREAD POSITIONS ... | 18-19 | Analysis | 63 |
| DUAL REAR WHEEL | | Operating Controls | 64-92 |
| TREAD POSITIONS | 20-21 | Steering Console | 64-67 |
| LUBRICATION | 22-36 | Foot Pedals | 66-67 |
| Engine Hourmeter | 22 | Operator's Console | 68-73 |
| Diesel Engine | 23 | Mechanical Front Drive | 74 |
| Lubrication Chart | 24-25 | Steering Column Tilt | 75 |
| Engine Oil Change | 26-27 | Heater Stop Valve | 76 |
| Engine Oil Filter | 27 | Fuel Tank Water Trap | 76 |
| Transmission Oil Level Check & Change . | 28 | Rear View Mirrors | 77 |
| Transfer Gear Box Oil Level | 28 | Cab Window Lever | 77 |
| Hydraulic Oil Filters | 29-31 | Cab Headliner Controls | 78-79 |
| | | Cab Air Flow Control | 80 |
| | | Cab Defroster Control | 80 |
| | | Cab Air Flow Arrangements | 81-83 |
| | | Air Conditioner Operation | 84 |
| | | Cab Door Lock | 84 |
| | | Operator's Seat | 85-86 |
| | | Seat Belts | 87-88 |
| | | Amber Warning Lamps, Direction . | 89-91 |
| | | Turn Signals & SMV | |
| | | Implement Warning Lamps, | |
| | | SMV Symbol | 89 |
| | | Auxiliary Outlet Socket | 92 |
| | | Starting Procedure | 93-94 |
| | | Stopping the Engine | 95 |
| | | Cold Temperature Operation | 96 |

TABLE OF CONTENTS

| | |
|--|---|
| OPERATING INSTRUCTIONS (Cont'd) | PREVENTIVE MAINTENANCE (Cont'd) |
| Preparing Tractor For Operating | Engine Cooling System Treatment .. 146 |
| In Cold Temperatures 97 | Radiator Cleaning 147 |
| Cold Temperature Starting 98-101 | Cooling System Service 148 |
| Case Starting Fluid 98 | Thermostat Check 149 |
| Coolant Heater 98 | Thermostat Replacement 139-151 |
| Operating Ether Start 99-100 | Fan Belt Adjustment 152 |
| Starting Fluid | Fan Belt Replacement 153 |
| Container Replacement 101 | Water Filter and Conditioner 154 |
| Power Shift Transmission 102-103 | Fuel System 155-160 |
| Differential Lock 104 | Service Intervals 155 |
| Power Takeoff 105-108 | Fuel Filter Replacement 156-157 |
| Operating PTO 105 | Primary Fuel Filter 158-159 |
| 540 or 1000 RPM PTO Operation 106 | Air Removal 159-160 |
| Guards 107 | |
| Operating Safety 108 | Air Intake System 161-168 |
| Drawbar 109 | Air Filter Service Interval 162 |
| Three Point Hitch System 110 | Final Air Filter Service 163-167 |
| Hitch System Adjustments 111-114 | Tubes and Hoses 168 |
| Hitch Operation 115-118 | |
| Connect Implement 115 | Neutral Start Switch Adjustment .. 169-170 |
| Hitch Control Lever 115-116 | Electrical System 171-174 |
| Sensing Control 117-118 | Head Lamps 171 |
| Stationary Depth 118 | Flood Lamps 171 |
| Hydraulic Float Control 118 | Flashing Amber Warning Lamps 172 |
| Anti-Sway Chain 119 | Tail Lamps 172 |
| Hitch Coupler - Category II 119 | Instrument Cluster Lamps 173 |
| Hitch Coupler - Category III-II 120-122 | Fuse Panel - Tractor and Cab 173 |
| Remote Hydraulic Control 123-129 | Head Lamp Adjustment 174 |
| Remote Control Levers 123,124 | |
| Variable Flow Control 125-126 | Storage Battery 175-178 |
| Operating the Remote System 127 | Access to Batteries 176 |
| Hydraulic Motors 127 | Battery Cables and Terminals 176 |
| Remote Valve with Lockcheck | Battery Water 177 |
| (If Equipped) 127 | Removal and Installation of Batteries . 177 |
| Hydraulic Hose Couplers 128 | Auxiliary Battery Connections 178 |
| Hydraulic Hose Coupling 129 | |
| Remote Cylinder 130 | Roll Over Protective Structure |
| Hydraulic Cylinder Jack Pads 131 | (ROPS) 179-181 |
| Front Axle Adjustment 132 | Tractor Roll Over 180 |
| Rear Wheel Hub Adjustment 133-135 | Safety Rules 180 |
| Dual Wheel Mounting 136 | Maintenance and Inspection 180 |
| Rear Tire Mounting 137 | ROPS Label 181 |
| Tractor Ballast 138-142 | Operator's Cab 182-194 |
| Ballast 138 | Preventive Maintenance 182-183 |
| Measuring Slip Without True | Air Filter Removal 184 |
| Ground Speed Sensor 138 | Air Filter Service 185-186 |
| Tractor and Equipment Weight 139 | Seat Belt Inspection |
| Front End Weights 140 | and Maintenance 186 |
| Rear Wheel Weights 141 | Operator's Seat 187-188 |
| Tire Liquid Weight 142 | Refrigerant Check 189-190 |
| | Compressor Belt Adjustment 191 |
| PREVENTIVE MAINTENANCE 143-194 | Compressor Belt Replacement 192 |
| Hood and Side Panels 144 | Dome Lamp 193 |
| Cooling System 145-154 | Console Lamp 194 |
| Pressure Cooling System 145 | |
| Coolant Solutions 146 | CASE TECHNICAL MANUALS 195 |

TO THE OWNER OF A CASE TRACTOR

Use this manual as your guide. If you follow the instructions given in this manual, your Case Tractor will work well for many years.

Your Authorized Case Dealer can give you assistance with Case Company made parts and persons with special training that know the best methods of repair and maintenance for your tractor.

Call your Authorized Case Dealer if you need any assistance or information.

Your Authorized Case Dealer



Figure 1

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

SAFETY

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 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 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.

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

Before Starting



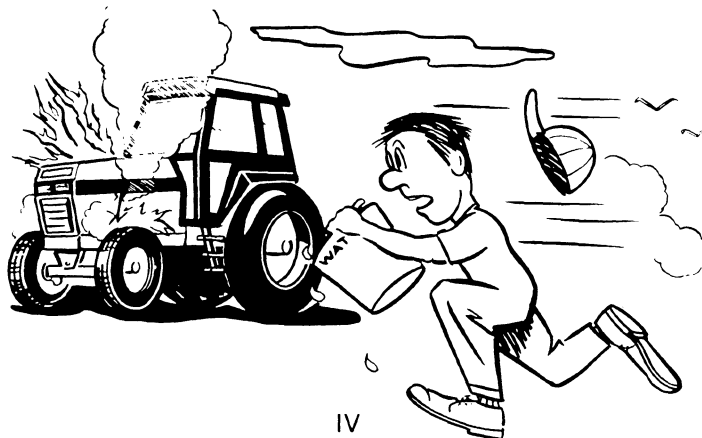
CAUTION: *To help prevent personal injuries during tractor operation and maintenance, use safety shoes, a hard hat, safety glasses or goggles and good fitting clothing.*



CAUTION *Provide a first aid kit for use in case of accident.*



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



WARNING Before starting engine study Operator's Manual safety messages.

Read all safety signs on machine.

Clear the area of other persons.

Learn and practice safe use of controls before operating.

It is your responsibility to understand and follow manufacturer's instructions on machine operation, service, and to observe pertinent laws and regulations.

Operator and Service Manuals may be obtained from your equipment dealer.



WARNING: To help prevent injury before starting engine, put shields in place. Sit in the seat and place controls in neutral.

Before operating tractor clear people away, no riders and fasten seat belt. When operating tractor keep away from power driven parts, avoid steep slopes, embankments, ditches, rough terrain and reduce speed when turning.

In high speed travel couple brake pedals together where applicable. On road travel use flashing warning lights where permitted and keep SMV emblem visible from rear.

When stopped engage park lock or brake, lower implement to ground and stop engine before dismounting to service or clear machines.



WARNING Before starting the engine, be sure all operating controls are in neutral. This will ease starting loads on the starter and batteries and will eliminate the accidental start up of PTO driven equipment.



Operation



CAUTION: With the engine running and the tractor in motion, if the ignition key switch is turned off and then back on, the tractor can move forward rapidly. The higher the throttle setting the more rapid the move forward will be. When the ignition key is turned off, electric solenoids close all valves to the hydraulic power shift clutches. When the key is turned back to on, oil will immediately flow to and close the clutches controlled by the power shift lever position and the tractor will move forward rapidly.



CAUTION: Do not turn off the switch to stop the tractor with the transmission in gear when the engine is running. Power shift clutch friction could cause tractor movement on a smooth, level surface. If the ignition key is turned off for any reason, the engine should also be shutoff using the engine stop control.



WARNING: Engine can start with transmission in gear when neutral safety switch is by-passed:

1. Do not connect across terminals on starter.
 2. Attach booster batteries according to safe method in Operators Manual. Then use recommended starting procedure from operators seat.
 3. When necessary, repair electrical system components promptly so that "jump starting" will not be attempted.
- Machine run-away can cause injury or death to operator and bystanders.





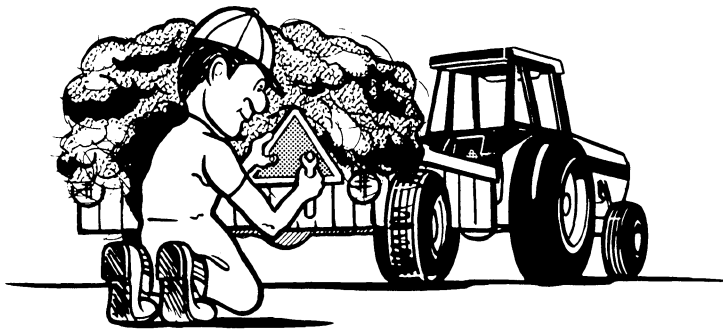
WARNING *Tractor travel speed should be such that complete control and tractor stability is maintained at all times. Where possible, avoid operating the tractor near ditches, embankments and holes. Reduce speed when turning, crossing slopes, and on rough, slick, or muddy surfaces.*



CAUTION *Brake pedals must be locked together for road travel. This will insure uniform brake application and maximum stopping ability.*

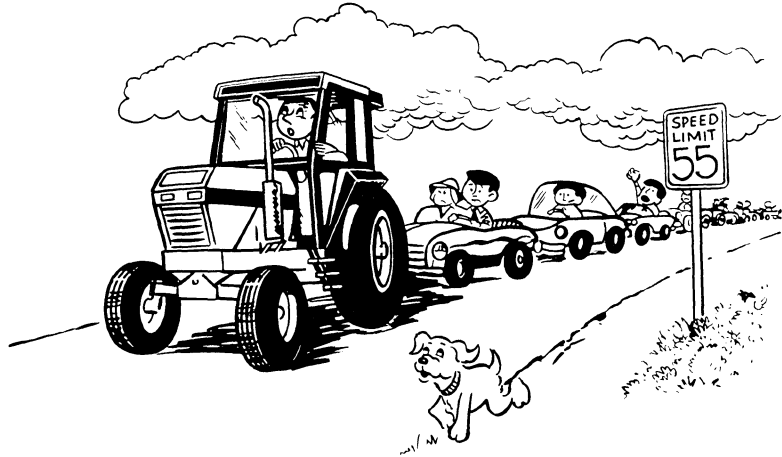


WARNING: *Collision of high speed road traffic and tractors or implements can cause personal injury or death. On roads, use flasher/lights according to local laws. Keep SMV emblem visible.*

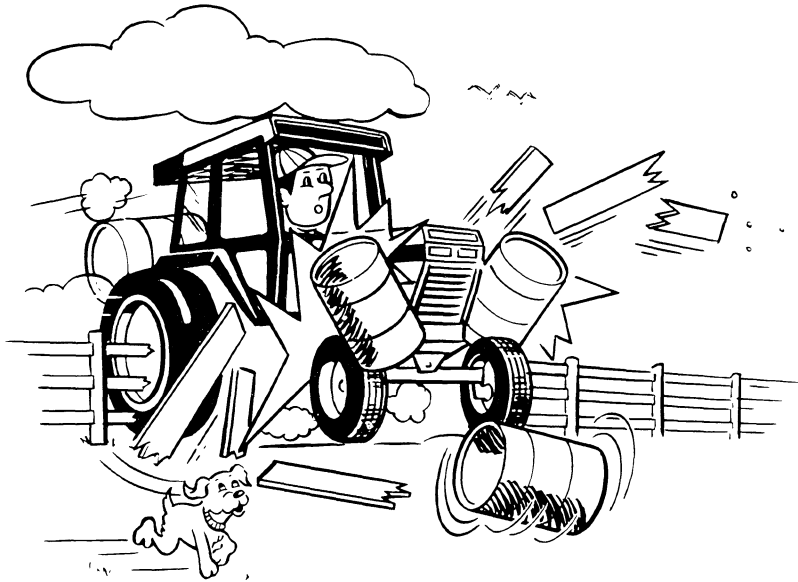




CAUTION Stop, look and listen before entering a highway, stay on your side of the road and pull over to let faster traffic pass. Slow down and signal as you turn off.

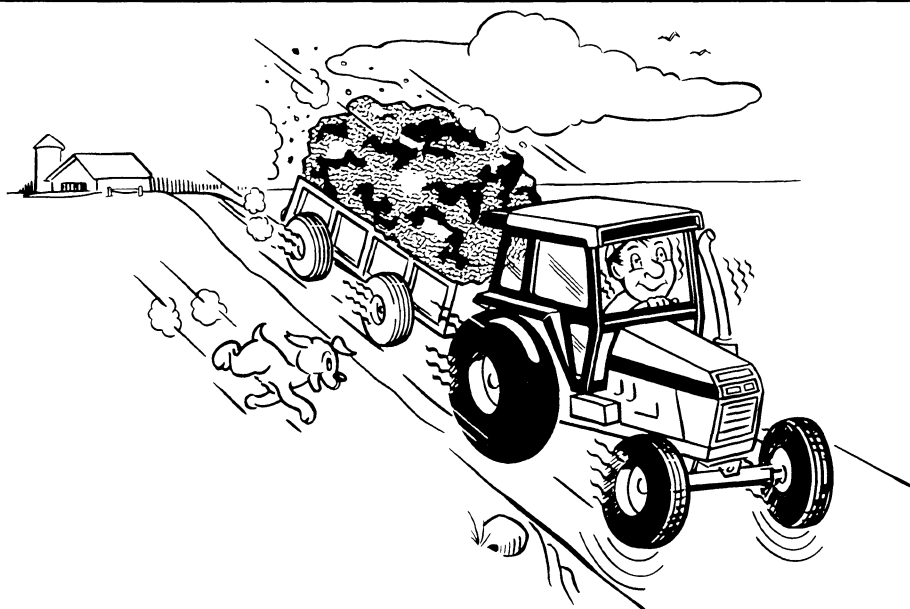


WARNING: Extra weight and bad traction conditions such as mud or ice increase your stopping distance. Remember that liquid in the tires, weights on the tractor or wheels, tanks filled with fertilizer, herbicides or insecticides - all these add weight and increase the distance you need in which to stop.





CAUTION Make sure that the weight of a trailed vehicle that is not equipped with brakes **NEVER EXCEEDS** the weight of the tractor that is towing the vehicle. Stopping distance increases with increasing speed as the weight of the towed load increases, especially on hills and slopes.



WARNING: 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 a tractor when it is in operation.



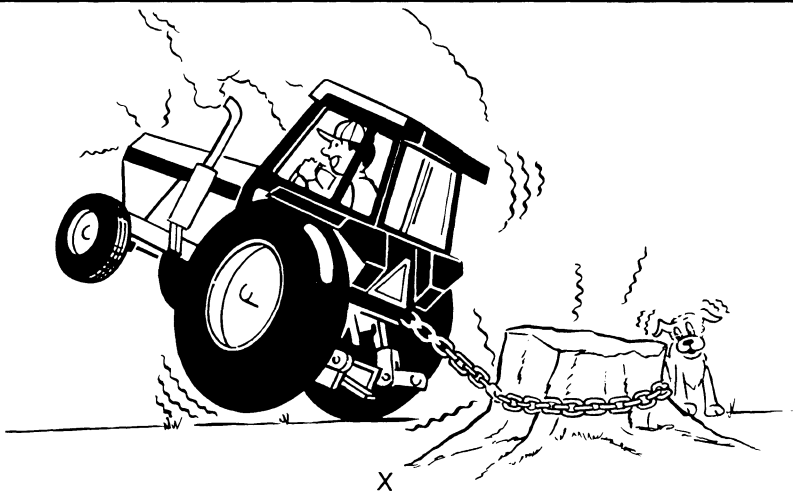
CAUTION Do not operate the tractor at high speeds or attempt to turn the tractor with the differential lock engaged.



CAUTION Try to balance the load primarily on the implement wheels - as in loading a trailer or spreader. Avoid overloading the drawbar. Add front end weights for improved stability. Engage the clutch smoothly, avoid jerking and use the brakes cautiously to avoid jack-knifing.



WARNING Rear upset can result if pulling from wrong location on tractor. Hitch only to the drawbar. Use 3 point hitch only with the implements designed for its use - not as a drawbar.

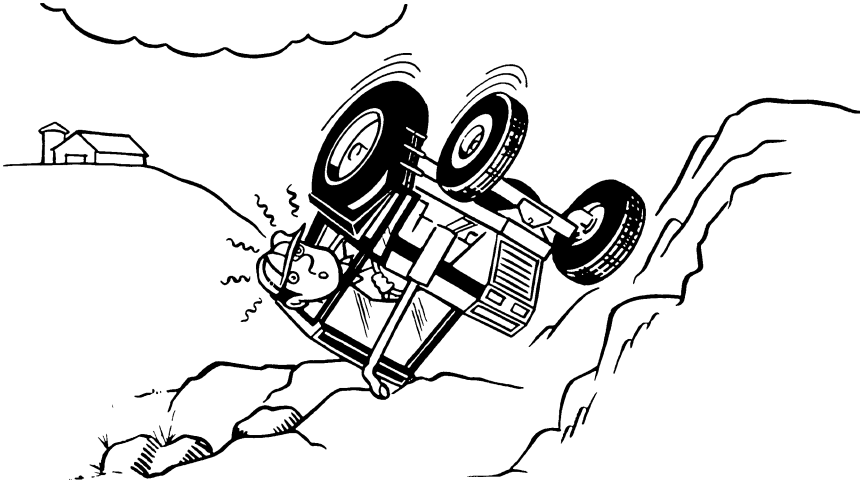




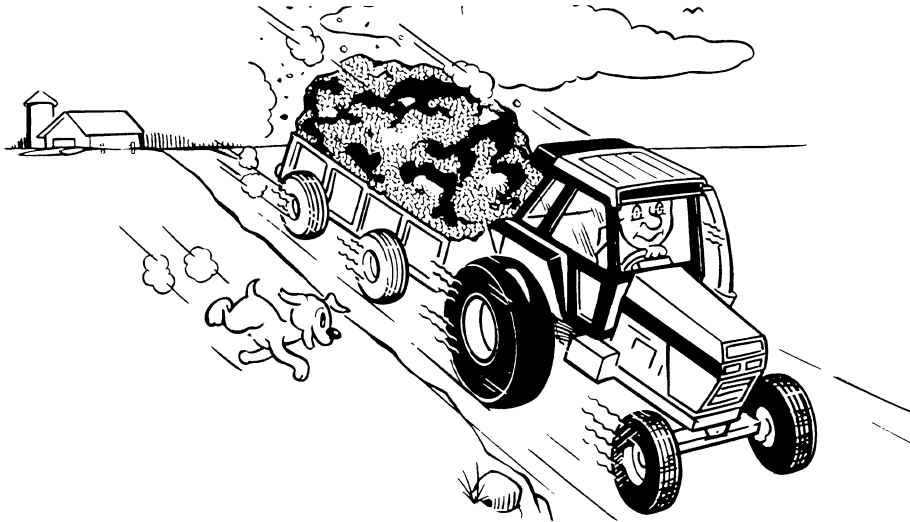
WARNING Be certain both latches are fully engaged across the implement lift pins before transporting or pulling the implement.



CAUTION The implement should be lowered to the ground before uncoupling of the remote hydraulic hoses.



WARNING 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".



WARNING Securely fasten your seat belt if the tractor has a ROPS 4 post frame or cab. The seat belts can help insure your safety if they are used and maintained.



CAUTION *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.*



WARNING *Rotating machine parts, stay clear, keep shields installed to help protect from clothing entanglement and injury. Wear close-fitted clothing.*



WARNING *Stop engine before working on PTO driven machine or PTO shaft, or performing any maintenance.*



WARNING: *Whenever a PTO driven machine is in operation, the safety guard must be in place for most operations to prevent injury to the operator or to bystanders. If the guard is moved upward or removed for special attachments such as pumps, restore the guard to its original position immediately when the attachment is removed. When the PTO is not in use, the tubular guard must be installed over the end of the PTO shaft.*



WARNING *When doing stationary PTO work and dismounting from the tractor with the PTO running, keep clear of all moving parts as they are a potential safety hazard.*



WARNING *On a mobile power take-off application, always disengage the PTO before dismounting from the tractor.*



WARNING *This tractor is equipped with a dual speed PTO, 540 RPM and 1000 RPM. Be sure implements are matched for the proper drive speeds. Center and lock drawbar when using PTO*

Buy Now



Our support email:

ebooklibonline@outlook.com