4994 Tractor

Operators Manual

9-9870

Reprinted





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





if used, are RED.



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.

© 2001 Case Corporation

Bur 0-00000

March, 1995 (Revised October, 1997)

CASE and IH are registered trade marks of Case Corporation

TABLE OF CONTENTS

TO THE OWNERIII	ALTERNATOR CHARGING SYSTEM 32
SAFETY IV-XVI	TOWING 32
Safety RulesIV	
Before StartingIV-V	OPERATING INSTRUCTIONS 33-137
Operation VI-XIV	Run-In Procedure
Service XV-XVIII	Before Starting the Engine 34
	Digital Instrument Cluster 35-60
HAND SIGNALS XIX-XX	Programming Tire Size 38-40
	Programming Static Loaded Radius . 41
DECALS XXI-XXV	Programming Dynamic
	Loaded Radius 42,43
SERIAL NUMBERS 1	True Ground Speed 44
	True Ground Speed Sensor 44,45
DIESEL ENGINE SPECIFICATIONS 2,3	Programming Attachment Width . 48,49
	Programming Rear Wheel
GENERAL SPECIFICATIONS 4-7	Position Monitor 50,51
	Operating Service Monitors and
APPROXIMATE TRACTOR SPEEDS 8	Bar Indicators
	Automatic Shutdown System
APPROXIMATE OVER ALL	(If Equipped)58
MEASUREMENTS 9	English/Metric Selection 59
	Instrument Cluster
APPROXIMATE TRANSPORT WEIGHT 9	Functional Checks
	Transmission/Steering Diagnostic
OPERATORS CAB9	Monitor
	Transmission/Steering
TIRE AND WHEEL EQUIPMENT 10,11	Diagnostic Codes 62-69
	Operating Controls
WHEEL TREAD POSITIONS 12	Steering Console
	Steering Collisole
TIRE PRESSURE12	Telescopic
	Steering Column
FLIEL ODECLEICATIONS 12.14	Operators Console 76-81
FUEL SPECIFICATIONS 13,14	Park Brake Control
LUDDICATION 15-31	Fuel Tank Water Traps
LUBRICATION	Cab Headliner Controls 84,85
Engine Hourmeter	Cab Air Flow Control 86
Lubrication Chart	= · ·
Diesel Engine	Cab Defroster Control
Engine Oil Change	Cab Air Flow Arrangements 87-89
Engine Oil Cleaner	Air Conditioner Operation 90
Turbocharger Oil Filter	Cab Door Lock
Rear Steering Valve Filter 24	Ash Tray
Rear Steering Hydraulic Oil Filter 25	Rear View Mirrors
Transmission Oil Level	Cab Window Lever
Check & Change	Operators Seat
Transmission Oil Filter 27	Seat Belts
Hydraulic Oil Level	Amber Warning Lamps, Direction
Check & Change	Turn Signals & SMV 95,96
Hydraulic Oil Filters	Implement Warning Lamps and
Planetary Oil Level Check & Change . 29	SMV Symbol97
Differential Oil Level Check & Change . 30	Auxiliary Outlet Socket 98
Lrooter Drekee	

TABLE OF CONTENTS

OPERATING INSTRUCTIONS	PREVENTIVE MAINTENANCE (CONT'D)
Starting Procedure 99,100	Fuel System 149
Stopping The Engine101	Service Intervals 149
Cold Temperature Operation 102	Fuel Filter Replacement 150,151
Preparing Tractor For Operating in	Primary Fuel Filter 152,153
Cold Temperatures 103	Air Removal 154,155
Cold Temperature Starting 104-107	Air Induction System 156-164
Ether Starting Fluid 104	Air Filter Service Interval 157
Coolant Heater 106	Air Filter Service 158-161
Starting Fluid Container	Aspirated Strata Tube Service . 162,163
Replacement107	Tubes and Hose 164
Power Shift Transmission 108-111	
Drawbar 112-114	Electrical System 165-168
Power Takeoff115-117	Head Lamps
Operating PTO115	Flood Lamps
Guards 116	Flashing Amber Warning Lamps 166
Operating Safety117	Tail Lamp
	Instrument Cluster Lamps 167
Remote Hydraulic Control 118	Fuse Panel
Remote Control Levers	Head Lamp Adjustment 168
Variable Flow Control 120,121	Storage Battery 169-171
Operating the Remote System 122	When Batteries Are Not in Use 169
Hydraulic Hose Couplers 123	Battery Cables and Terminals 169
Hydraulic Hose Coupling 124	Battery Water
Remote Cylinder 125	Vent Caps
Hydraulic Cylinder Jack Pads 126	Removal & Installation of Batteries . 170
Wheel Mounting	Auxiliary Battery Connections 171
Dual Wheel Mounting	Parking Brake Adjustment 172
Tire Mounting	Roll Over Protective Structure
Loads Matched to Tractor 129	(ROPS)
Tractor Ballast	Tractor Roll Over
Weight Distribution 130-132	Safety Rules
Tractor and Equipment Weight 133	Maintenance and Inspection 175
Front End Weights	Operators Cab
Tire Liquid Weight	Preventive Maintenance 176,177
Measuring Slip	Air Filter Service
Hood and Side Panels 137	Seat Belt Inspection
DDEVENTIVE MAINTENANCE 129 102	and Maintenance
PREVENTIVE MAINTENANCE 138-192	Operators Seat
Cooling System	Refrigerant Check
Coolant Solutions 140	Compressor Belt Adjustment 185
Engine Cooling System Treatment . 140	Compressor Belt Alignment 186
5 .	Compressor Belt Alignment 187
Radiator Cleaning	Dome Lamp
Cooling System Service	Console Lamp
Thermostat Check	Valve Tappet Adjustment 190-192
Fan Belt Adjustment145	CASE TECHNICAL MANUALS 193
Fan Belt Replacement 140	CASE LECTINICAL MANUALS 193
Water Filter and Conditioner	
Water Filter and Conditioner	

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 assist you 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.

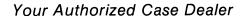




Figure 1

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 and left hand.

SAFETY Safety Rules

Your safety and the safety of other persons is measured by how you service, and operate this machine. Before you start to operate this machine, know the position and operation of all controls. 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 extinquisher on the tractor. Be sure that the extinquisher is properly maintained and be familiar with its proper use.



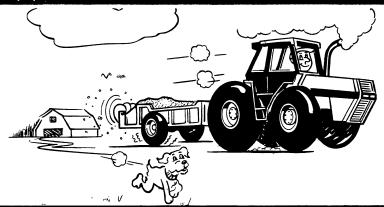
WARNING Before starting engine study Operator's Manual safety messages.

Read al! 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.

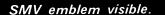




WARNING: If the steering mode selector switch is turned to another mode position while the tractor is not in operation, the rear wheels can move when the tractor is started again. To prevent possible injury from the rear tires moving, make sure no person is between the rear tires and tractor frame before you start the tractor engine.

WARNING Before starting engine be sure all operating controls are in neutral.

Operate controls only when seated in Operator's seat.
On roads, use flasher/lights according to local laws. Keep



Shields help protect from injury, keep in place.

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

Before leaving tractor unattended, lower hydraulically lifted equipment to ground.



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

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.





CAUTION: The cab air filter does not remove chemicals or fumes. When you use agricultural chemicals, follow the instructions given by the chemical manufacturer.



CAUTION: When remote cylinders are connected to the hydraulic system, cycle the control lever about three times to remove air from the cylinder and hoses. With air in the system raised equipment can drop accidentally and cause personal injury or machine damage.



A

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.





WARNING 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.





CAUTION: During road transport use front steering only.



A

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.



A

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.



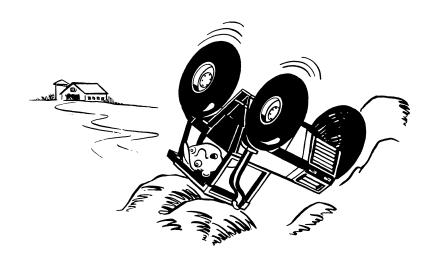
Λ

WARNING: Incorrect positioning of adjustable length drawbar can cause implement driveline separation or bottoming.

See tractor and implement Operators Manuals for dimension from end of tractor PTO shaft to hitch pin hole in drawbar. Driveline separation or bottoming can cause machine damage or personal injury.



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 as this tractor is equipped with a ROPS 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 entaglement and injury. Wear close-fitted clothing.



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



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.



Our support email: ebooklibonline@outlook.com