4494 Tractor

Operators Manual

9-9841

Reprinted





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.

© 1995 Case Corporation

TO THE OWNER OF A CASE INTERNATIONAL TRACTOR

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

Your 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 Dealer if you need any assistance or information.

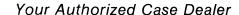




Figure 1

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.

TABLE OF CONTENTS

TO THE OWNER	OPERATING INSTRUCTIONS 37-154
TABLE OF CONTENTSII,III	Run-In Procedure
TABLE OF CONTENTS	Before Starting the Engine 38
SAFETY IV-XVI	True Ground Speed Sensor 39
Safety RulesIV	Digital Instrument Cluster 40-65
Before StartingIV-VI	English/Metric Selection 4
Operation VI-XII	Engine Hour Meter 4
ServiceXIII-XVI	Turn Signal Indicator
	Service Monitor and Indicators . 42-48
HAND SIGNALSXVII-XVIII	Function Buttons
	PTO RPM Function
DECALS XIX-XXII	Timer Function
SERIAL NUMBERS 1	Area/Hour Function
SETTIAL NOMBERO	Area Done Function
DIESEL ENGINE SPECIFICATIONS 2,3	Wheel Slip Function 52,53
	Ground Speed Function 53
GENERAL SPECIFICATIONS 4-7	Instrument Cluster
TDAVEL CREEDS 0.0	Programming 54-63
TRAVEL SPEEDS 8,9	Programming Tire Size 55-60
OVER ALL MEASUREMENTS 10	Standard Code Number 55
312	Dynamic Tire Code Number 56,57
TRANSPORT WEIGHT 10	Static Code Number 58-60
	Programming
MAXIMUM GROSS MACHINE WEIGHT . 10	Attachment Width 61,62
TIRE AND WHEEL EQUIPMENT 11-14	Programming Rear Wheel
TIRE AND WHEEL EQUIPMENT 11-14	Position Monitor 62,63
TIRE INFLATION PRESSURE 12,13	Automatic Shutdown System 64,65
,	Operating Controls 66-102
AXLE STOP SPACERS 14	Front Console
	Steering Column Tilt
WHEEL TREAD POSITIONS 15-19	Moving the Telescopic
DUAL WHEELS20	Steering Column
BONE WILEEU	Park Brake Control
FUEL SPECIFICATIONS	Heater Stop Valve
	Fuel Tank Water Traps
FUEL CONDITIONER 22	Cab Headliner Controls 88,89
LUBRICATION	Cab Air Flow Control
Engine Hourmeter	Cab Defroster Control
Lubrication Chart 24,25	Cab Air Flow Arrangements 91-93
Engine Lubrication	Air Conditioner Operation 94
Engine Oil Change 27,28	Cab Door Lock
Engine Oil Filters	Ash Tray94
Rear Steering Valve Filter 29	Rear View Mirrors95
Rear Steering Hydraulic Oil Filter 30	Cab Window Lever 95
Transmission Oil Level	Operators Seat 96,97
Check & Change	Seat Belts 98
Hydraulic Oil Filters 31,32	Amber Warning Lamps, Direction
Planetary Oil Level Check & Change . 33	Turn Signals & SMV 99,100
Differential Oil Level Check & Change . 34	Implement Warning Lamps and
Tractor Brakes35	SMV Symbol
T0111110	Auxiliary Outlet Socket
TOWING 36	Normal Starting Procedure 103-105

TABLE OF CONTENTS

OPERATING INSTRUCTIONS	PREVENTIVE MAINTENANCE (CONT'D)
Cold Temperature Operation 106,107 Cold Temperature Starting 108-111 Coolant Heater	Thermostat Check
Ether Starting Attachment 109,110 Starting Fluid Container	Fan Belt Replacement
Replacement111	Fuel System
Power Shift Transmission 112,113	Service Intervals 166
Power Takeoff	Fuel Filter Replacement 167,168
Operating PTO	Fuel Strainer
Guards	Air Removal
Drawbar	Air Filter Service Interval 172
Three Point Hitch System 120	Air Filter Service Monitor 173
Hitch System Adjustments 121-123	Air Filter 173
Anti-Sway Chain122	Air Filter Service 174,177
Hitch Operation 124-128	Aspirated Strata Tube Service . 178-180
Hitch Control Lever	Tubes and Hose
To Lift an Implement	Neutral Start Switch Service 182,183
To Lower an Implement 124 Electronic Hitch System 125,126	Park Brake Adjustment
Controlling Maximum Depth 127	Head Lamps
Stationary Depth Operation 127	Flood Lamps
Hydraulic Float Control 128	Flashing Amber Warning Lamps 186
Hitch Coupler - Category III 129	Tail Lamps
Remote Hydraulic Control 130-135	Instrument Cluster Lamps 187
Remote Control Levers 130,131 Variable Flow Control	Fuse Panel
Operating the Remote System . 134,135	Batteries
Hydraulic Hose Couplers 136	Vent Caps
Hydraulic Hose Coupling 137	Removal & Installation of Batteries . 191
Remote Cylinder	When Batteries Are Not in Use 191
Hydraulic Cylinder Jack Pads 139	Battery Cables and Terminals 191
Wheel Mounting	Auxiliary Battery Connections 192 Alternator Charging systems 189
Wheel Positions and	Roll Over Protective Structure
Clamp Adjustment	(ROPS) 193-195
Dual Wheel Mounting 143	Tractor Roll Over, Safety Rules
Power Adjustable Wheels 144-145	and ROPS Label 194
Tire Mounting	Maintenance and Inspection 195
Loads Matched to Tractor 146 Tractor Ballast 147-154	Operators Cab
Tractor Weight Distribution 147-149	and Maintenance
Tractor and Equipment Weight 150	Preventive Maintenance 196-198
Front End Weights 151	Air Filter Service 199-201
Tire Liquid Weight 152,153	Operators Seat 202,203
Measuring Wheel Slip 154	Compressor Belt Adjustment 204
PREVENTIVE MAINTENANCE 155	Compressor Belt Replacement 205 Compressor Belt Alignment 206
Hood and Side Panels 156	Refrigerant Check 207,208
Cooling System 157-165	Dome Lamp
Pressure Cooling System 157	Tool Box
Coolant Solutions 158	Console Lamp 210
Radiator Cleaning	0.05 750101001 0.000100
Cooling System Service 159	CASE TECHNICAL MANUALS 213

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.



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.

Before Starting

WARNING: Before starting engine study Operators 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 manufacturers instructions on machine operation, service, and to observe pertinent laws and regulations.

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



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 power driven equipment.

WARNING: To help prevent injury:

BEFORE STARTING ENGINE - Put shields in place. Sit in the seat. Place controls in neutral.

BEFORE OPERATING MACHINE - Clear people away. No riders. Fasten seat belt.



WHEN OPERATING MACHINE - Keep away from power driven parts. Avoid steep slopes, embankments, ditches and rough terrain. 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 MACHINE IS STOPPED - Engage park lock or brake. Lower raised equipment to ground. Stop engine before dismounting to service or clear machine(s).



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.



CAUTION: Check the machine for leaks or any parts that are broken, not working correctly, or not there at all. Before you start the machine, tighten all caps, dipsticks, battery covers, etc.



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



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.



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

Operation



WARNING Operate controls only when seated in the Operator's seat.



WARNING: Securely fasten your seat belt if the machine has a ROPS frame or cab. The seat belt can help insure your safety if it is 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: Operate the machine with the door closed to provide proper ROPS protection and to properly utilize the heating, ventilating or cooling systems.



CAUTION: To provide more secure hand and foot mobility, preventing slipping and possible injury, always face the machine when mounting and dismounting.



WARNING: Before leaving the machine, stop the engine, place all controls in neutral, and either set the parking brake or place range lever in PARK position as equipped.



WARNING: 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.



WARNING: 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 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: 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.

WARNING: Engine can start with transmission in gear when neutral or safety start 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 prompty so that "jump starting" will not be attempted.

Machine run-away can cause injury or death to operator and bystanders.



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.



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.



WARNING: Cab air filters remove dust in the air, but are not capable of removing chemicals used in spraying crops or in weed control. Many chemicals used for these purposes are toxic when improperly used, and can be hazardous to operators and others in the area. Follow the instructions of manufacturers of both the equipment and the chemicals regarding prohibitions against inhalation of dust or spray, personal hygiene practices, and other precautions noted by the manufacturers.



CAUTION: Make sure that the weight of a trailed vehicle that is not equipped with brakes, NEVER EXCEEDS the weight of the machine 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: 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.



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: 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.



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.



WARNING Lower or block hydraulically or mechanically elevated implements and other attachments before servicing or when leaving the equipment.



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.



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



CAUTION Installing an adapter on the PTO shaft, to convert the shaft diameter or to convert the number of splines on the shaft, moves the driveline connection rearward. This exposes the front universal joint and attaching mechanism. Adapters must not be installed unless the original master shield on the tractor is extended with equivalent shielding.

The use of an adapter is not recommended.



WARNING: 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.



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



WARNING: 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. 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: If this tractor is equipped with a 1000 RPM PTO, be sure implements are matched for this drive speed. Center and lock drawbar when using PTO.



Our support email: ebooklibonline@outlook.com