

2090 Tractor Without Cab Operators Manual

9-6841

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.



98



**2090 Tractor
Without Cab
Operators Manual**
Rac 9-6841

Written In *Clear
And
Simple
English*

J I Case
A Tenneco Company





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.

IMPORTANT

If This Machine Is Used By An Employee Or Is Loaned Or Rented, Make Certain That The Operator (s), Prior To Operating:

- 1. Is Instructed In Safe And Proper Use.**
- 2. Reviews And Understands The Manual (s) Pertaining To The Machine.**

TABLE OF CONTENTS

TO THE OWNER	III	OPERATING INSTRUCTIONS	31-101
SAFETY	IV-XVII	Run-In Procedure	31
Safety Rules	IV	Before Starting the Engine	32
Before Starting	IV-V	Towing	33
Operation	VI-XIV	How to Transport the Tractor	33
Service	XV-XVIII	Operating Instruments	34-37
HAND SIGNALS	XVIII-XIX	Operating Controls	38-65
DECALS	XX-XXIV	Steering Console	38, 39
SERIAL NUMBERS	1	Operator's Console	42-47
DIESEL ENGINE SPECIFICATIONS	2,3	Steering Column Tilt	48
GENERAL SPECIFICATIONS	4-6	Fuel Tank Water Trap	48
APPROXIMATE TRACTOR SPEEDS		Operator's Seat	49
12 Speed Transmission	7	Amber Warning Lamps, Direction	
8 Speed Transmission	8	Turn Signals & SMV	50,51
APPROXIMATE OVER ALL		Implement Warning Lamps,	
MEASUREMENTS	9	SMV Symbol	52
APPROXIMATE TRANSPORT WEIGHT ...	9	Auxiliary Outlet Socket	53
TIRE AND WHEEL EQUIPMENT	10	Starting Procedure	54,55
FRONT WHEEL TREAD POSITIONS	11	Stopping the Engine	56
REAR WHEEL TREAD POSITIONS	12	Cold Temperature Operation	57
DUAL REAR WHEEL		OPERATING INSTRUCTIONS	
TREAD POSITIONS	13,14	Preparing Tractor For Operating in Cold	
DUAL REAR TIRE PRESSURES	15	Temperatures	58
FUEL SPECIFICATIONS	16,17	Cold Temperature Starting	59-62
LUBRICATION	18-29	Case Starting Fluid	59
Engine Hourmeter	18	Coolant Heater	59
Diesel Engine	19	Operating Ether Start	60,61
Lubrication Chart	20, 21	Starting Fluid Container Replacement .	62
Engine Oil Change	22, 23	Power Shift Transmission	63,64
Engine Oil Filter	23	Mechanical Shift Transmission	65
Transmission Oil Level Check & Change .	24	Differential Lock	66
Hydraulic Oil Filters	25-27	Power Takeoff	67-70
Steering & Brake System Air Removal ..	28	Operating PTO	67
Front Wheel Bearing	29	540 or 1000 RPM PTO Operation	68
ALTERNATOR CHARGING SYSTEMS ...	30	Guards	69
		Operating Safety	77
		Drawbar	71
		Three Point Hitch System	72
		Hitch System Adjustments	73-75
		Hitch Operation	76-79
		Hitch Control Lever	76
		Sensing Control	77,78
		Stationary Depth	78
		Hydraulic Float Control	78
		Anti-Sway Chain	79

TABLE OF CONTENTS

Hitch Coupler - Category III-II	80-82	Storage Battery	133-136
Remote Hydraulic Control	83-89	Access to Batteries	134
Remote Control Levers	83,84	Battery Cables and Terminals	134
Variable Flow Control	85-87	Battery Water	135
Operating the Remote System	87	Vent Tubes	135
Hydraulic Hose Couplers	88	Removal and Installation of Batteries ..	135
Hydraulic Hose Coupling	89	Auxiliary Battery Connections	136
Remote Cylinder	90		
Hydraulic Cylinder Jack Pads	91	CASE TECHNICAL MANUALS	139
Front Axle Adjustment	92		
Rear Wheel Hub Adjustment	93-95		
Dual Wheel Mounting	96		
Rear Tire Mounting	97		
Tractor Ballast	97-101		
Ballast	97		
Measuring Slip	98		
Front End Weights	99		
Rear Wheel Weights	100		
Tire Liquid Weight	101		
PREVENTIVE MAINTENANCE	103		
Hood and Side Panels	104		
Cooling System	104-112		
Pressure Cooling System	104		
Coolant Solutions	105		
Engine Cooling System Treatment ..	105		
Radiator Cleaning	106		
Cooling System Service	107		
Thermostat Check	108		
Thermostat Replacement	108-110		
Fan Belt Adjustment	111		
Fan Belt Replacement	112		
Fuel System	113-118		
Service Intervals	112		
Fuel Filter Replacement	114,115		
Primary Fuel Filter	116,117		
Air Removal	117,118		
Air Intake System	119-126		
Air Filter Service Interval	120		
Final Air Filter Service	121-125		
Tubes and Hoses	126		
Neutral Start Switch Adjustment ..	127,128		
Electrical System	129-132		
Headlights	129		
Floodlights	129		
Flashing Amber Warning Lights	130		
Taillights	130		
Instrument Cluster Lights	131		
Lights Fuse Holder	131		
Headlight Adjustment	132		

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 J I 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.*

PRICE \$4.00

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 *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 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 SMV emblem visible.
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 Before leaving the tractor, stop the engine, place all controls in neutral, and either set the parking brake or place range lever in PARK position as equipped.



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



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.



WARNING On roads, use flasher/lights according to local laws. Keep SMV emblem visible.



DANGER Excess tractor speed is the big killer. Only experienced drivers should be permitted on highways.

Buy Now



Our support email:

ebooklibonline@outlook.com