

584D/585D/586D
Forklift
Operators Manual

9-7331

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.

TABLE OF CONTENTS

Introduction	2	When Operating On a Hill	50
To the Owner	2	Sideshift	50
After Delivery Check	3	Procedure to Move a Disabled	
Right and Left Sides of the Machine	3	Machine	50
Safety	4	Procedure to Put the Machine on a	
Safety Rules	4	Trailer	50
Before You Start the Engine	5	Operating in Cold Temperatures	51
Machine Operation	8	Operating in Hot Temperatures	52
Stopping the Machine	13	Operating Instructions	53
Service	14	Machine Stability	53
Spark Arrester (If Equipped)	18	Lifting Capacity	53
Roll-Over Protective Structure	19	Load Center	54
Location of the Product Identification		Height and Weight Limits	54
Numbers and Serial Numbers	23	Chart of Load Limits	58
Specifications	25	Slow Moving Vehicle Emblem	59
Engine	25	Fuels and Lubricants	60
Cooling System	25	Diesel Fuel	60
Electrical System	25	Fuel, Fluids and Lubricants Chart	61
Hydraulic System	26	Maintenance and Lubrication	62
Capacities	26	Introduction	62
Travel Speeds	26	Maintenance Chart for the Run-in Period of	
Tires	26	Operation With a New Machine	63
Weights	27	Maintenance Chart for Regular	
Operating Data	28	Intervals	63
Instruments and Controls	30	Safety Before Servicing	66
Instrument Cluster	30	Safety Decals on the Machine	67
Machine Controls	32	Do Not Operate Tag	67
Operator's Seat	36	Lubrication	68
Operator's Seat Belt	37	Engine Lubrication System	72
Engine Operation	38	Air Cleaning System	74
Run-In Period With a New Engine	38	Engine Cooling System	79
Service and Checks Before You Start	39	Diesel Fuel System	81
Procedure to Start the Engine	40	Electrical System	84
Methods to Help Start the Engine During		Hydraulic System	89
Cold Weather	41	Power Shuttle Transmission	93
Ether Starting Aid	41	Four-Speed Transaxle	96
Case Starting Fluid	44	Power Steering System	97
Coolant Heater	44	Rear Wheel Bearings	99
Booster Battery	45	Wheels and Tires	101
Machine Operation	46	Spark Arrester Muffler	102
Adjusting the Seat	46	Brakes	103
Before You Operate the Machine	46	Drive Belt	104
Selecting Transmission Speeds and		Procedure to Put the Machine in	
Machine Direction	47	Storage	105
Differential Lock	48	Procedure to Remove the Machine from	
Left-Hand Foot Throttle	49	Storage	106
Operating the Machine	49	After Delivery Check	107

IMPORTANT: *If your machine is equipped with 4-wheel drive, also see the supplement to this manual entitled 584D, 585D, 586D 4-Wheel Drive Forklift Operators Manual Supplement 8-42590. This supplement is included with every 4-wheel drive machine.*

INTRODUCTION

TO THE OWNER

This manual is your guide to safe, efficient operation. Before you operate this machine, read this manual.



If you need more information, call us.

Your Case Dealer

The Case Company can make changes in design or specifications of the machine at any time with no obligation for these changes.

DELIVERY OF THE NEW MACHINE

When you get your new machine from your J I Case dealer, you will be told about correct operation and maintenance as shown in the Owner Warranty Registration form. When

your J I Case dealer has given you these instructions, you must write your name on the report. Then he will give you a copy for your records.

AFTER DELIVERY CHECK

Three copies of the After Delivery Check are in the back of this manual. One copy is for you, one copy is for the dealer and one copy is for the Construction Equipment Service Department. Make sure that your J I Case dealer does the After Delivery Check after the first 20 hours of machine operation.

NOTE: Your cost for this inspection will be for filters, oil or other accessories. If the dealer comes to your machine, there can also be a cost for the time and distance.

RIGHT AND LEFT SIDE OF THE MACHINE

"Right and Left", when used in this manual, represent the right and

left sides of the machine as seen from the operator's seat.



SAFETY

SAFETY RULES



Manual Storage Box

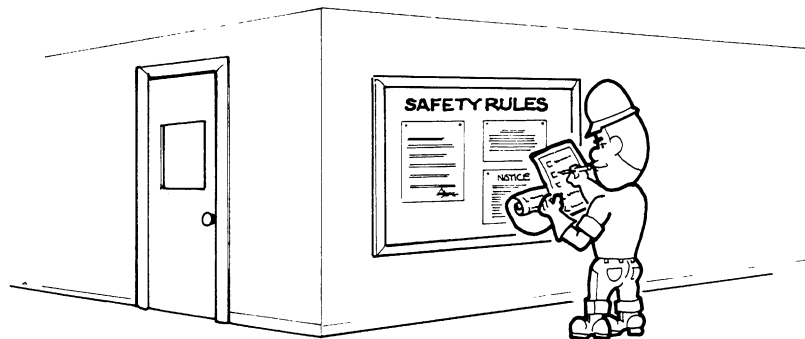
Your safety and the safety of other persons in the work area are the result of your correct operation of this machine. Know the location, positions and functions of all the controls. **MAKE SURE YOU CHECK ALL CONTROLS IN A SAFE, CLEAR AREA BEFORE YOU OPERATE THE MACHINE.**

READ THIS MANUAL COMPLETELY and make sure you understand the contents. Make sure you understand, for example, the characteristics of speed, ability, brakes and steering, of this machine. If you

have any questions, call your J I Case dealer.

The safety information in this manual does not replace any other rules or laws for safety that are used in your area. Learn the rules or laws for safety that are used in your area. Make sure that your machine has the correct equipment according to these rules or laws.

It is recommended that you make copies of the safety rules in this manual and put the copies in the work area.



Before You Start the Engine

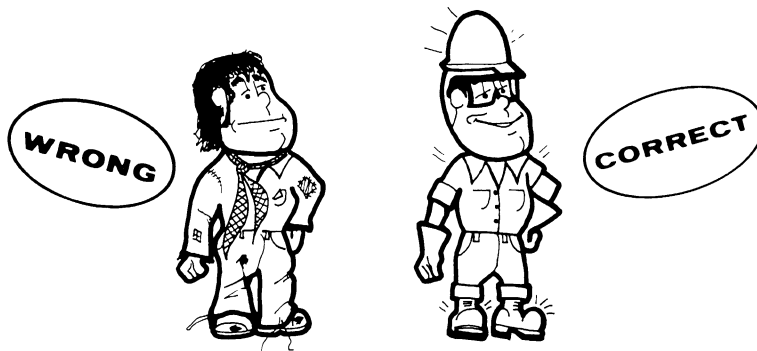
WARNING: Before starting engine, study operator's manual safety messages. Read all safety signs on machine. Clear the area of other persons. Learn and practice safe use of controls before operating.



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.

D-34-2-A

WARNING: If you wear clothing that is too loose or do not use the correct safety equipment for your job, you can be injured. Always wear clothing that will not catch on objects. Extra safety equipment that can be required includes hard hat, safety shoes, ear protection, eye or face protection, heavy gloves and reflector clothing. 1-3-B



WARNING: You can have an accident if a part or a system on the machine does not operate correctly. Before you operate the machine, make sure that you check all oil and fluid levels according to the maintenance chart in this manual. Tighten all caps, dipsticks and plugs. Check for oil or fluid leaks. Replace or adjust all parts that do not operate correctly.



25-10-B

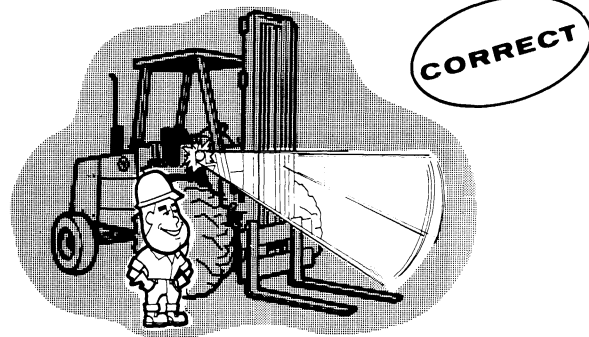
IMPORTANT: Always install new decals if the old decals cannot be read. When parts that have decals are replaced, make sure to install new decals with the new part. You can get new decals from your Case dealer. 46-48-A



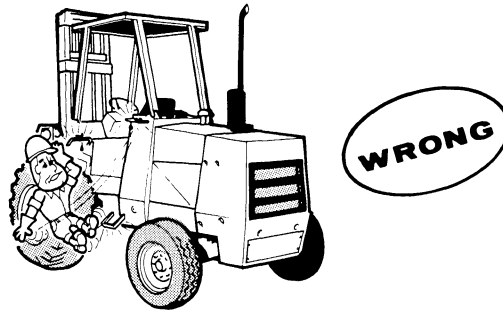
WARNING: *BE VERY CAREFUL IF THIS IS NOT THE MACHINE YOU NORMALLY OPERATE.* 2-2-B



CAUTION: *Before you operate at night, check that all lights (if the machine is so equipped) are working correctly.* 25-7-A



WARNING: *Make sure the operator's area, steps and grab rails are clear of oil, foreign material or ice. Remove or fasten all maintenance or personal items. Failure to keep these areas clean can cause a bad accident.* 25-8-A



WARNING: *Before you operate this machine on a road, check the local laws. Know the correct safety equipment that must be used. Lights, flashing lights, backup alarm, rotating beacon, Slow Moving Vehicle emblem (SMV), etc., are available from your Case dealer.* 29-9-A



CAUTION: *Know and understand the arrangements for movement of trucks, machines, persons, etc., on your job. Understand and follow the instructions of the flagman, road signs, or signals. Failure to follow these instructions can cause an accident.* 29-3-A

WARNING: An explosion can result if sparks or flame contact the ether in the starting fluid container, or if you keep the container in an area with the temperatures above 120° F (49° C). Read the following.

1. Know the correct method for starting your engine with ether.
2. If you weld, grind, or use a cutting torch on the machine, always remove the starting fluid container from the machine. Use compressed air to remove any ether fumes from the area.
3. Do not breathe the ether vapor or let the ether touch your skin.
4. Keep the starting fluid container above the reach of children.
5. Never make a hole in the starting fluid container.
6. Do not put the starting fluid container in a fire.
7. When the temperature is above 35° to 40° F (0° to 5° C) remove the starting fluid container from the machine.



Failure to follow the above procedure can cause a severe injury.

48-12-C



WARNING: Keep a good fire extinguisher and a first aid kit with you at all times. Know how to use both of these items.

25-9-A



CAUTION: Make sure all persons are away from the machine before you start the engine.

47-63



WARNING: Do the required maintenance and safety checks to the machine before you start each day. A machine that has not been given correct maintenance can cause an accident.

47-54



WARNING: Before each period of operation, check the machine for correct operation of the steering, brakes, hydraulic controls, instruments, and safety equipment. Check the Neutral position of the transmission control levers. A machine that runs correctly can prevent accidents. Make all necessary repairs or adjustments before you operate the machine.

48-32

Machine Operation



CAUTION: Always fasten seat belt securely before starting engine.

D-17-6

CORRECT



CAUTION: Warn all personnel who may be servicing or in path of machine before starting.

D-28-10-A



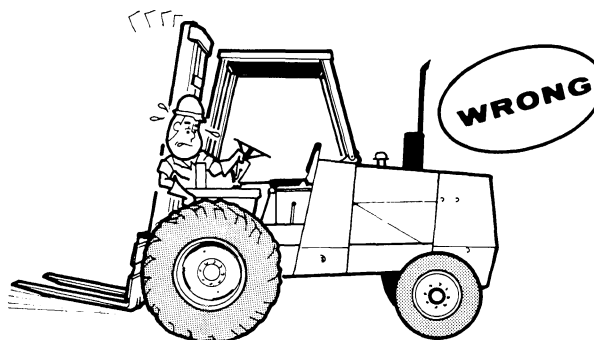
WARNING: Put the parking brake in the Engaged position and put the control for the shuttle transmission in the Neutral position before you start the engine.

4-1-A



CAUTION: Operate tractor and equipment controls from seat position only. Any other method could result in a serious injury.

D-45-7



WARNING: Understand the limits of the machine. Keep the machine under control at all times. DO NOT TRY TO DO TOO MUCH TOO FAST.

3-7-B