

850 FELLER-BUNCHER

(Serial No. WC0850X008010-)

OPERATOR'S MANUAL 850 FELLER-BUNCHER

OMF383437 H2 (ENGLISH)

CALIFORNIA
Proposition 65 Warning

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

If this product contains a gasoline engine:

 **WARNING**

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

The State of California requires the above two warnings.

**Worldwide Construction
And Forestry Division**
(This manual replaces F380406)

Litho in Canada.

Introduction

Foreword

READ THIS MANUAL carefully to learn how to operate and service your machine correctly. Failure to do so could result in personal injury or equipment damage. This manual and safety signs on your machine may also be available in other languages. (See your authorised dealer to order.)

THIS MANUAL SHOULD BE CONSIDERED a permanent part of your machine and should remain with the machine when you sell it.

MEASUREMENTS in this manual are given in both metric and customary U.S. unit equivalents. Use only correct replacement parts and fasteners. Metric and inch fasteners may require a specific metric or inch wrench.

RIGHT-HAND AND LEFT-HAND sides are determined by facing in the direction of forward travel. Operating instructions assume that the traction drive sprockets are at the rear of the machine.

WRITE PRODUCT IDENTIFICATION NUMBERS (P.I.N.) in the Machine Numbers section. Accurately

record all the numbers to help in tracing the machine should it be stolen. Your dealer also needs these numbers when you order parts. File the identification numbers in a secure place off the machine.

WARRANTY is provided as part of the manufacturer's support program for customers who operate and maintain their equipment as described in this manual. The warranty is explained on the warranty certificate which you should have received from your dealer.

This warranty provides you the assurance that the manufacturer will back its products where defects appear within the warranty period. In some circumstances, also providing field improvements, often without charge to the customer, even if the product is out of warranty. Should the equipment be abused, or modified to change its performance beyond the original factory specifications, the warranty will become void and field improvements may be denied. Setting fuel delivery above specifications or otherwise overpowering machines will result in such action.

DX,IFC7 -19-16NOV01-1/1

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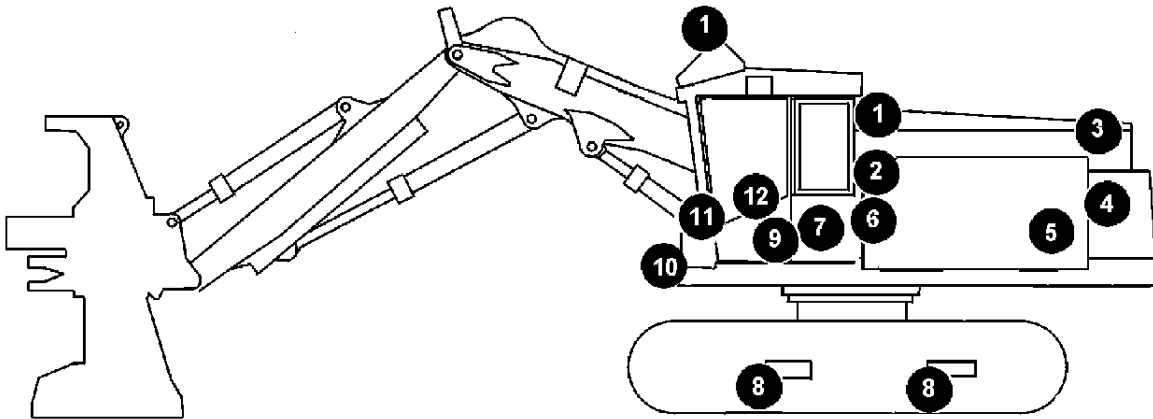
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Safety — Safety Features

850 Feller-Buncher Safety Features



Please remember, the Operator is the key to preventing accidents.

1. **Secondary Exit** The rear window provides a large exit path and the skylight can be removed if the cab door is blocked in an emergency situation.
2. **ROPS/OPS/FOPS** Integrated Rollover, Operator, and Falling Protective Structures are fully enclosed to protect the operator. They reduce vandalism and provide weather protection.
3. **Travel/Enclosure Alarm** An alarm will sound when travelling in forward and reverse or when opening and closing the enclosure door.
4. **Engine Fan Guard** A secondary fan guard inside the engine compartment helps prevent contact with the engine fan blades.
5. **Bypass Start Protection** Shielding over starter solenoid helps prevent dangerous bypass starting.
6. **Fire Extinguisher** Standard equipment.
7. **Seat Belt Retractor** Seat belt retractor helps keep the belts clean and convenient to use.
8. **Steps** Wide slip resistant steps make entry easier and provide a place to clean shoes.
9. **Operator Manual Holder** Storage holder keeps manual on machine clean and dry.
10. **Horn** Horn will sound when button is pressed.
11. **Handholds** Large conveniently placed handholds make it easy to enter or exit the operator's station.
12. **Pilot Hydraulics** Lower the armrest and press the restart switch to activate the hydraulics. Raise the armrest or press the switch to deactivate the hydraulics.

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Safety—General Precautions

Recognize Safety Information

This is the safety alert symbol. When you see this symbol on your machine or in this manual, be alert for the potential of personal injury.

Follow the precautions and safe operating practices highlighted by this symbol.

A signal word — DANGER, WARNING, or CAUTION — is used with the safety alert symbol. DANGER identifies the most serious hazards.

On your machine, DANGER signs are red in color, WARNING signs are orange, and CAUTION signs are yellow. DANGER and WARNING signs are located near specific hazards. General precautions are on CAUTION labels.



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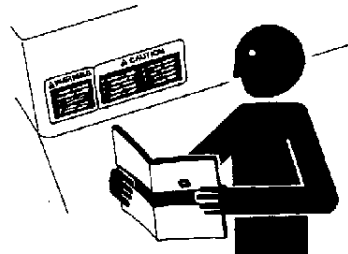
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Follow Safety Instructions

Read the safety messages in this manual and on the machine. Follow these warnings and instructions carefully. Review them frequently.

Be sure all operators of this machine understand every safety message. Replace operator's manual and safety labels immediately if missing or damaged.



T133556 -UN-24AUG00

TX03679,00016F9 -19-14MAR01-1/1

Operate Only If Qualified

Do not operate this machine unless you have read the operator's manual carefully and you have been qualified by supervised training and instruction.

Familiarize yourself with the job site and your surroundings before operating. Try all controls and

machine functions with the machine in an open area before starting to work.

Know and observe all safety rules that may apply to your work situation and your work site.

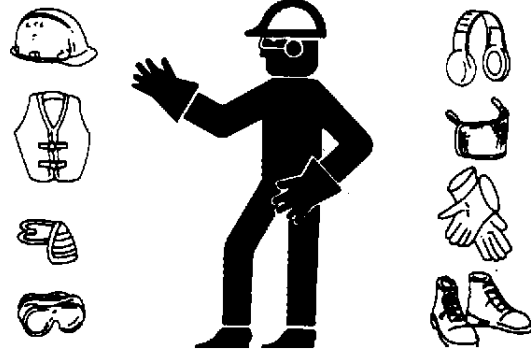
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Wear Protective Equipment

Guard against injury from flying pieces of metal or debris; wear goggles or safety glasses.

Wear close fitting clothing and safety equipment appropriate to the job.

Prolonged exposure to loud noise can cause impairment or loss of hearing. Wear suitable hearing protection such as earmuffs or earplugs to protect against objectionable or uncomfortable loud noises.



TS206 -UN-23AUG88

TX03679,00016D0 -19-30OCT00-1/1

Avoid Unauthorized Machine Modifications

Modifications of this machine, or addition of unapproved products or attachments, may affect machine stability or reliability, and may create a hazard for the operator or others near the machine.

Always contact an authorized dealer before making machine modifications that change the intended use, weight or balance of the machine, or that alter machine controls, performance or reliability.

TX03679,00016B7 -19-30OCT00-1/1

Inspect Machine

Inspect machine carefully each day by walking around it before starting.

Keep all guards and shields in good condition and properly installed. Fix damage and replace worn or broken parts immediately. Pay special attention to hydraulic hoses and electrical wiring.



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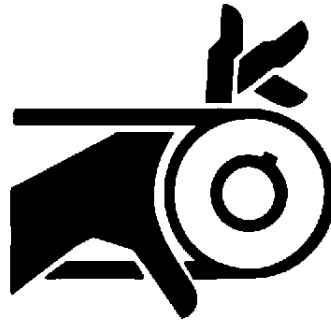
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Stay Clear Of Moving Parts

Entanglements in moving parts can cause serious injury.

Stop engine before examining, adjusting or maintaining any part of machine with moving parts.

Keep guards and shields in place. Replace any guard or shield that has been removed for access as soon as service or repair is complete.



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Avoid High-Pressure Fluids

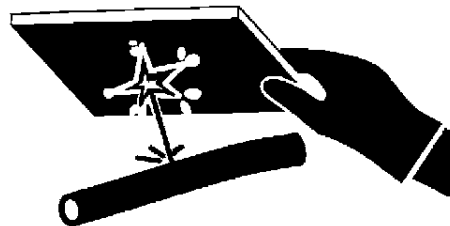
This machine uses a high-pressure hydraulic system. Escaping fluid under pressure can penetrate the skin causing serious injury.

Never search for leaks with your hands. Protect hands. Use a piece of cardboard to find location of escaping fluid. Stop engine and relieve pressure before disconnecting lines or working on hydraulic system.

If hydraulic fluid penetrates your skin, see a doctor immediately. Injected fluid must be removed surgically within hours or gangrene may result. Contact a knowledgeable medical source.



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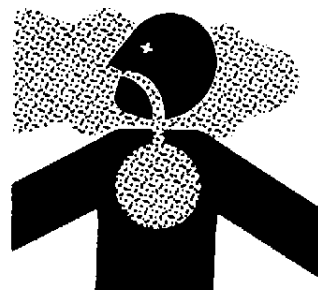
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Beware Of Exhaust Fumes

Prevent asphyxiation. Engine exhaust fumes can cause sickness or death.

If you must operate in a building, provide adequate ventilation. Use an exhaust pipe extension to remove the exhaust fumes or open doors and windows to bring outside air into the area.



T133546 -UN-24AUG00

TX03679,00016D4 -19-14SEP00-1/1

Prevent Fires

Handle Fuel Safely: Store flammable fluids away from fire hazards. Never refuel machine while smoking or when near sparks or flame.

Clean Machine Regularly: Keep trash, debris, grease and oil from accumulating in engine compartment, around fuel lines, hydraulic lines and electrical wiring. Never store oily rags or flammable materials inside a machine compartment.

Maintain Hoses and Wiring: Replace hydraulic hoses immediately if they begin to leak, and clean up any oil spills. Examine electrical wiring and connectors frequently for damage.

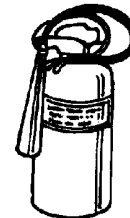
Keep A Fire Extinguisher Available: Always keep a multi-purpose fire extinguisher on or near the machine. Know how to use extinguisher properly.



T133552 -UN-14SEP00



T133553 -UN-07SEP00



T133554 -UN-07SEP00

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What To Do If the Machine Catches Fire

- Turn the engine off.
- Turn the master disconnect switch off
- If possible, fight the fire using the portable fire extinguisher or other fire suppression equipment.
- Ensure that the fire does not spread to the surrounding area.
- Call for help!



TS227 -UN-23AUG88

MR64971,000001F -19-05DEC01-1/1

Prevent Battery Explosions

Battery gas can explode. Keep sparks, lighted matches, and open flame away from the top of battery.

Never check battery charge by placing a metal object across the posts. Use a voltmeter or hydrometer.

Do not charge a frozen battery; it may explode. Warm battery to 16°C (60°F).



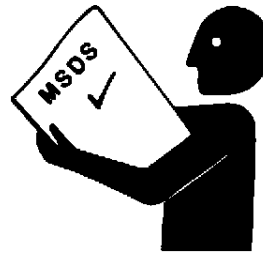
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Handle Chemical Products Safely

Exposure to hazardous chemicals can cause serious injury. Under certain conditions, lubricants, coolants, paints and adhesives used with this machine may be hazardous.

If uncertain about safe handling or use of these chemical products, contact your authorized dealer for a Material Safety Data Sheet (MSDS). The MSDS describes physical and health hazards, safe use procedures, and emergency response techniques for chemical substances. Follow MSDS recommendations to handle chemical products safely.



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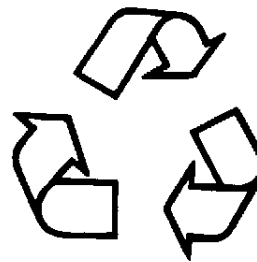
Dispose of Waste Properly

Improper disposal of waste can threaten the environment. Fuel, oils, coolants, filters and batteries used with this machine may be harmful if not disposed of properly.

Never pour waste onto the ground, down a drain, or into any water source.

Air conditioning refrigerants can damage the atmosphere. Government regulations may require using a certified service center to recover and recycle used refrigerants.

If uncertain about the safe disposal of waste, contact your local environmental or recycling center or your dealer for more information.



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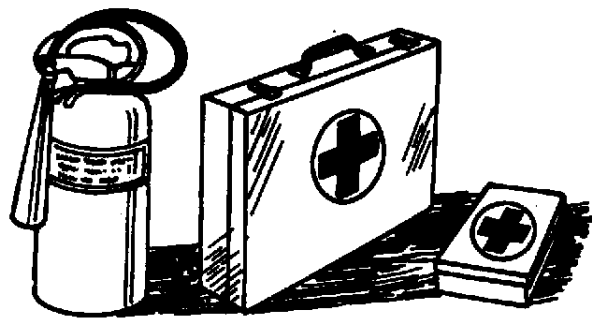
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Prepare for Emergencies

Be prepared if an emergency occurs or a fire starts.

Keep a first aid kit and fire extinguisher handy.

Keep emergency numbers for doctors, ambulance service, hospital, and fire department near your telephone.



TS291 -UN-23AUG88

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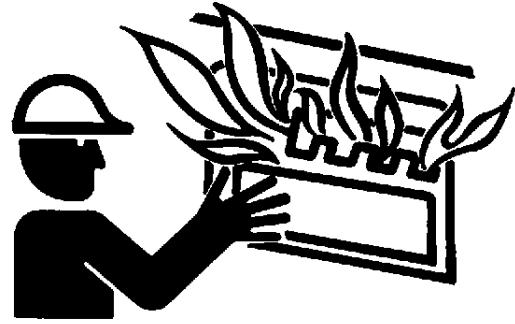
Clean Trash from Machine

Keep engine compartment, radiator, batteries, hydraulic lines, fuel tank, and operator's station clean and free of debris.

Clean any oil spills or fuel spills on machine surfaces.

Temperature in engine compartment may go up immediately after engine is stopped. **BE ON GUARD FOR FIRES DURING THIS PERIOD.**

Open access door(s) to cool the engine faster, and clean engine compartment.



T6669AG -JUN-18OCT88

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Control Pattern

The control functions are described as they are arranged when the machine leaves the factory. Some of these may be changed to suit particular operating situations. Ensure that you are aware of all of the functions before operating any of the controls.

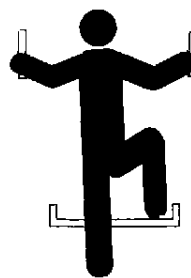
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Safety—Operating Precautions

Use Steps And Handholds Correctly

Prevent falls by facing the machine when you get on and off. Maintain 3-point contact with steps and handrails. Never use machine controls as handholds.

Use extra care when mud, snow, or moisture present slippery conditions. Keep steps clean and free of grease or oil. Never jump when exiting machine. Never mount or dismount a moving machine.



T133468 -UN-30AUG00

TX03679,00016F2 -19-14SEP00-1/1

Start Only From Operator's Seat

Avoid unexpected machine movement. Start engine only while sitting in operator's seat. Ensure all controls and working tools are in proper position for a parked machine.

Never attempt to start engine from the ground. Do not attempt to start engine by shorting across the starter solenoid terminals.



T6607AO -UN-18OCT88

TX03679,0001799 -19-02MAY01-1/1

Use And Maintain Seat Belt

Use seat belt when operating machine Examine seat belt frequently. Be sure webbing is not cut or torn. Replace seat belt immediately if any part is damaged or does not function properly.

The complete seat belt assembly should be replaced every three years, regardless of appearance.



**USE
SEAT
BELT**

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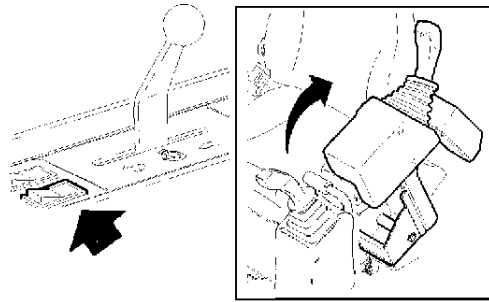
Prevent Unintended Machine Movement

Be careful not to accidentally actuate controls when co-workers are present.

Lower all equipment to rest during work interruptions. Stop engine before allowing anyone to approach the machine.

Disable the pilot hydraulics, either raise the left armrest and/or turn the pilot reset switch to OFF.

Follow these same precautions before standing up, leaving the operator's seat, or exiting the machine.



T150357 -UN-28JAN02

OUTJ003,0000BB7 -19-19DEC01-1/1

Operate Machine Safely

Always operate the machine with the operator protective structure (OPS) in place (doors, screens, windows, etc.).

Always walk around the machine before starting and moving it. Keep bystanders clear of machine, especially before moving boom, swinging upperstructure, or traveling. Always be alert for bystanders in or near the work area.

Avoid contact between boom and overhead obstacles when you operate, move, or haul machine.

When working on a slippery slope, position the tracks parallel to the angle of the slope. Then the track shoe grousers help serve as a brake.



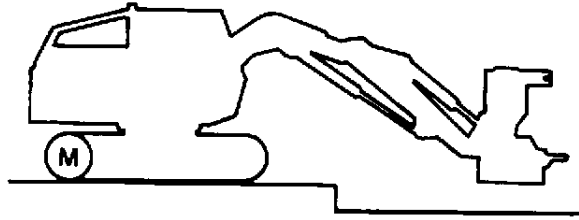
T7053B0 -UN-26JUN89

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OUTJ002,00004B4 -19-13JAN02-1/2

Make sure work site footing is strong enough to firmly support the machine. When working next to a ledge, position the machine with the tracks perpendicular to the ledge and with the propel motors (M) at the rear, away from the ledge.

If engine stops during operation on a hillside, start engine immediately. Turn pilot control pressure switch to OFF then to ON, and resume normal operation.



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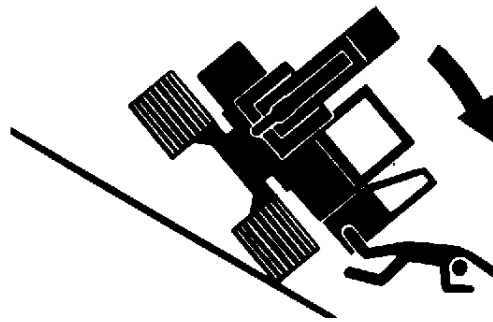
Avoid Tipping

Use seatbelt at all times.

When operating on a slope, keep front-mounted equipment low to ground and close to machine. Point tracks uphill.

Avoid tipping the machine when swinging heavy loads. Reduce swing speed as necessary.

Be cautious of tipping when working on frozen ground. Temperature increases will cause ground to become soft and make ground travel unstable.



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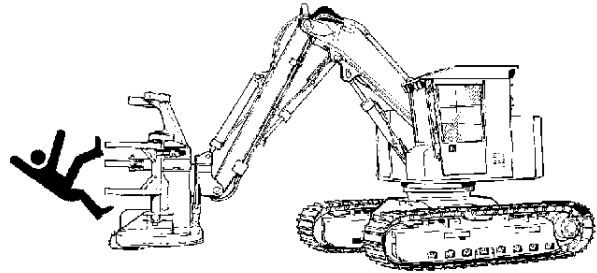
Keep Riders Off Machine

Only allow the operator on the machine. Keep riders off.

Riders on machine are subject to injury such as being struck by foreign objects and being thrown off of the machine. Riders also obstruct the operator's view resulting in the machine being operated in an unsafe manner.

Never use the felling head or attachment for a work platform or personnel carrier.

Never move loads over the heads of other persons.



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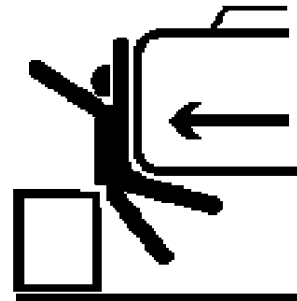
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Use Care When Swinging Machine

Ensure that all bystanders are clear before swinging the machine.

Be sure that there is sufficient clearance for the booms and load.

Be aware of the position of the counter weight.



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