

850/950 FELLER BUNCHER

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OPERATOR'S MANUAL 850/950 FELLER BUNCHER OMF283586

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.



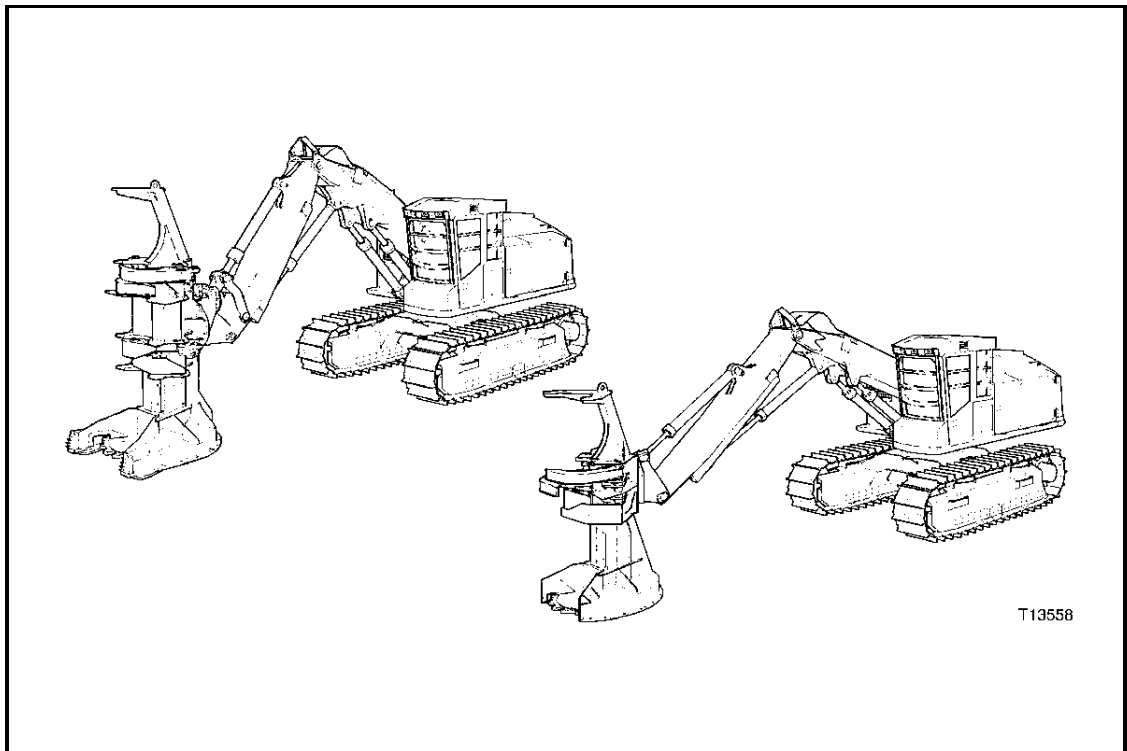
WARNING

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

Worldwide Construction and Forestry Division

English

Operator Maintenance



Timberjack 850/950 Feller Bunchers

Part F283586

English

Timberjack

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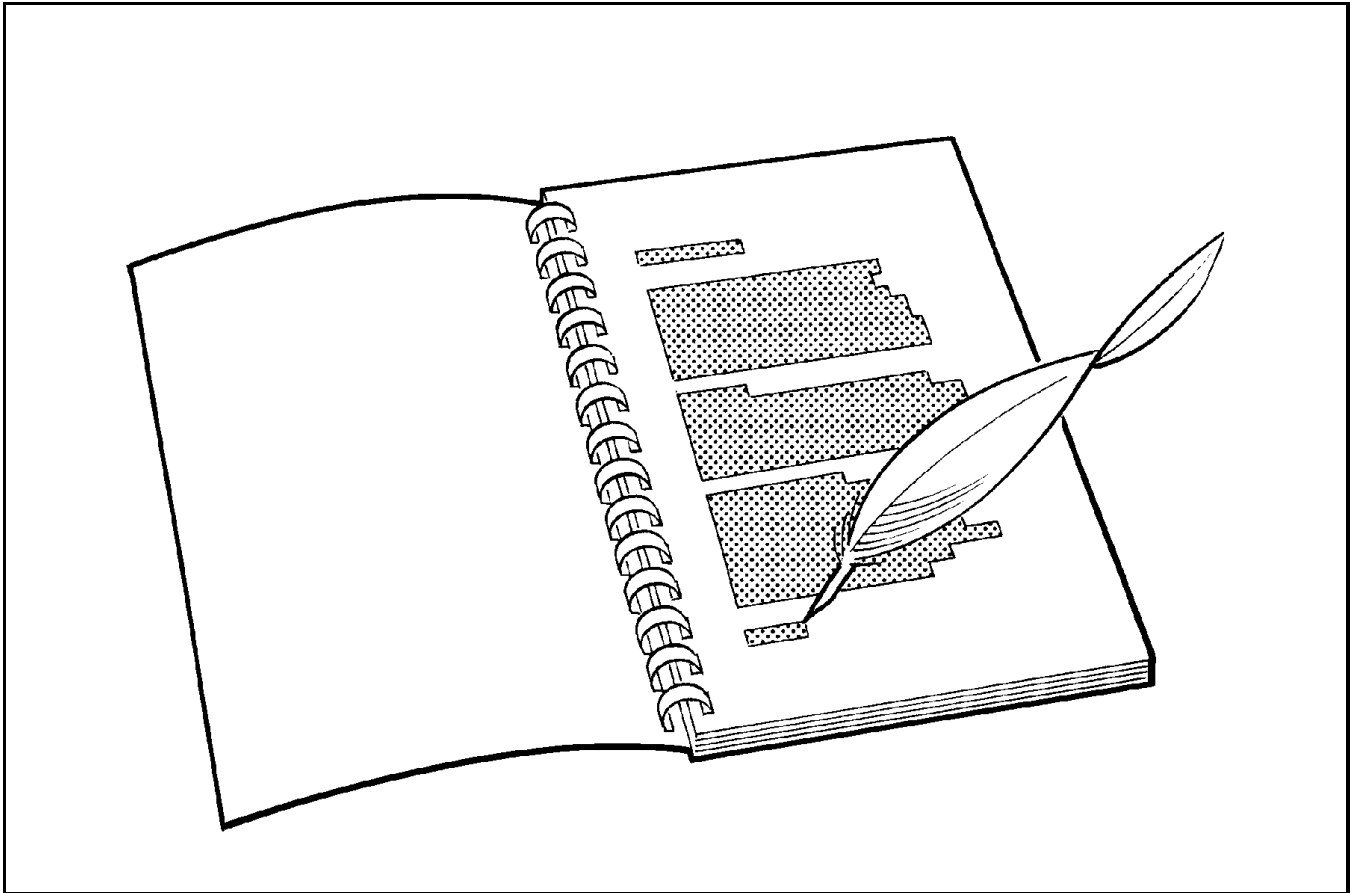
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1.1 Foreword

To assist the operator in becoming familiar with the many features of the Feller Buncher, and thereby become proficient in the operation and periodic maintenance procedures, this manual is provided with detailed operating and service instructions as well as safety information and equipment data.

Throughout this manual, references are made to the front, rear, left, and right side of the machine. Consider the right side, left side, front, and rear, of the felling head from a seated position in the operator's seat with the felling head directly in front of you and the arms and blade as being at the front.



Where applicable throughout the text, "Safety Alert" symbols have been used to indicate important safety measures. Read carefully, understand, and follow these instructions to prevent hazardous situations that could lead to risk of personal injury.

The instructions and procedures in this manual cover the felling heads with the most commonly used options; therefore pictorial presentation in some areas may vary slightly from the actual machine. This variation, however, does not have any impact on the accuracy of the written information.

The information contained in this manual is current at the time of publication; however, continuing product improvement may result in changes to the machine which are not covered. Should information regarding such changes or further information on the machine be required, please contact your Timberjack dealer.

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1.2 Model and Serial Number Record

In order to identify your machine and its components correctly when communicating with your Timberjack dealer, please record the model and serial numbers below and refer to them when ordering Service Parts.

Machine Model No: _____
Serial No: _____

Engine Model No: _____
Serial No: _____

Felling Head Model No: _____
Serial No: _____

SawHydraulic Motor Model No: _____
Serial No: _____

Main Pump Model No: _____
Serial No: _____

Saw Drive Pump Model No: _____
Serial No: _____

L.H. Track Drive Planetary Model No: _____
Serial No: _____

L.H. Track Drive Hydraulic Motor Model No: _____
Serial No: _____

R.H. Track Drive Planetary Model No: _____
Serial No: _____

R.H. Track Drive Hydraulic Motor Model No: _____
Serial No: _____

Swing Drive Planetary Model No: _____
Serial No: _____

Swing Drive Hydraulic Motor Model No: _____
Serial No: _____

Swing Drive Planetary Model No: _____
Serial No: _____

Swing Drive Hydraulic Motor Model No: _____
Serial No: _____

1.3 Modifications or Repairs to Roll-over Protective Structures (ROPS)

Modification of any kind to the basic ROPS structure, its mounting, the chassis to which it is attached, or the type and position of the operator's seat could affect the integrity of the ROPS and its ability to provide the designed level of protection.

IT IS TIMBERJACK INC. POLICY THAT ANY SUCH MODIFICATION AUTOMATICALLY VOIDS THE APPLICABLE CERTIFICATION FOR APPROVAL OF THE ROPS.

The only exceptions to these are:

a) Officially released, TIMBERJACK INC. approved changes or options carried out in the Factory approved manner; or

b) Modifications or repairs approved in writing by the TIMBERJACK INC. Vice President of Engineering carried out in the Factory approved manner.

NO OTHER PERSONS ARE AUTHORIZED TO GIVE SUCH APPROVAL.

The Roll-over Protective Structure (ROPS) is comprised of:

1. The cab assembly exclusive of all doors, screens or other miscellaneous panels which are installed or attached to the weldment.
2. All mounting hardware used to attach the cab assembly to the machine structures.

TIMBERJACK INC. disclaims responsibility for any situation that may arise as a result of unauthorized modification or repairs to these structures.

If any customer or TIMBERJACK INC. distributor modifies or repairs, or contributes in any way to unauthorized modification or repair, the customer or distributor will be deemed to have assumed the risk involved with such modification or repair or negligent in creating a dangerous situation resulting from such action.

Most North American regulatory bodies allow manufacturers to certify their products providing they are able to demonstrate that they can satisfy all the design and test criteria specified in the appropriate S.A.E.. Recommended Practices.

Timberjack Inc. follows a procedure of design and test and then certifies its product by means of a certification plate attached to the structure, listing the Recommended Practices to which it conforms.

ROPS are designed both to withstand force and absorb energy during a roll-over or when resisting the impact of a falling object. If any permanent deflection of the structure occurs, the structure can no longer provide the original designed level of protection and should be replaced. Attempts to straighten the structure, particularly by the application of heat, can reduce still further the structures remaining capability to protect.

1.3 Modifications or Repairs to Roll-over Protective Structures (ROPS)

The mounting and the frame or chassis to which the cab or canopy is attached is considered an integral part of the ROPS and is included in the design, test and certification of the product.

Also critical is the location of the operator within the cab or canopy, therefore the location and type of operator's seat is included in the certification.

The Roll-over Protective Structures (ROPS) are designed and tested to conform with the requirements of: S.A.E. J1040 - April 1988, ISO 8082:1984 for ROPS (Roll Over Protective Structure) and the requirements of: S.A.E. J231- Jan. 1981, ISO 8083:1989 for FOPS (Falling Object Protective Structure).

The Operator Protective Structure (OPS) is designed and tested to conform to the requirements of: S.A.E. J1084 - April 1980, ISO 8084:1993.

The Operator Protective Structure is comprised of:

1. The cab assembly.
2. All doors, panels, screens, glazing and window retention backing bars which are attached to the canopy surfaces exterior to the machine.

Before attempting any modifications or repair to roll-over protective structures, contact the Product Support Department at TIMBERJACK INC., Woodstock for advice and assistance.

TIMBERJACK INC.

Woodstock, Ontario, Canada

1.4 Non-approved Field Product Changes

Changes of any kind to this TIMBERJACK INC. product including the fitting of any unauthorized attachments could affect the integrity of the product, its stability, or its ability to perform as designed or intended.

IT IS TIMBERJACK INC. POLICY THAT NO CHANGES ARE TO BE MADE TO ITS PRODUCTS INCLUDING DELETIONS OR ADDITIONS OTHER THAN A TIMBERJACK APPROVED OPTION FITTED IN THE FACTORY APPROVED MANNER.

In particular, this applies to a Disc Saw blade (cutting device) used in conjunction with a Koehring Waterous Disc Saw Felling Head that has been designed and manufactured by TIMBERJACK INC..

Options or changes are only officially approved in the following form:

- a) Standard options for that product shown or listed on a current, printed specification sheet, price list, parts manual, or product literature issued by TIMBERJACK INC.
- b) Clearly specified options or product changes approved in writing by the TIMBERJACK INC. Manager of Engineering.

NO OTHER PERSON IS AUTHORIZED TO GIVE SUCH APPROVAL.

TIMBERJACK INC. disclaims responsibility for any situation that may arise as a result of unauthorized change to its product, such as the use of a non-approved Disc Saw Blade (cutting device) being installed on a Koehring Waterous Disc Saw Felling Head.

If any person or organization modifies or contributes in any way to unauthorized modification, the person or organization will be deemed to have assumed the risk involved with such modification and may be deemed negligent in creating a dangerous situation resulting from such action.

Options, attachments, and modifications add weight to the machine, which in total must not exceed the "Maximum Operating Weight" for your model. Exceeding this maximum weight will affect safety approval on weight related items such as ROPS and brakes, and warranty on items where such additional weight has an adverse affect.

Refer to your Timberjack dealer for information on maximum permissible operating weight and the effect the addition of various options may have on your machine.

Where changes are made without the official approval, as described above, and TIMBERJACK INC. Inc. becomes involved in suit arising out of such change, TIMBERJACK INC. will protect its interest by taking whatever action is appropriate.

Failure to adhere to this policy NULLIFIES and VOIDS *both the product warranty policy and the certification on any safety items installed on the modified machine.*

Non-approved product changes also nullify warranties given to TIMBERJACK INC. by its component manufacturers.

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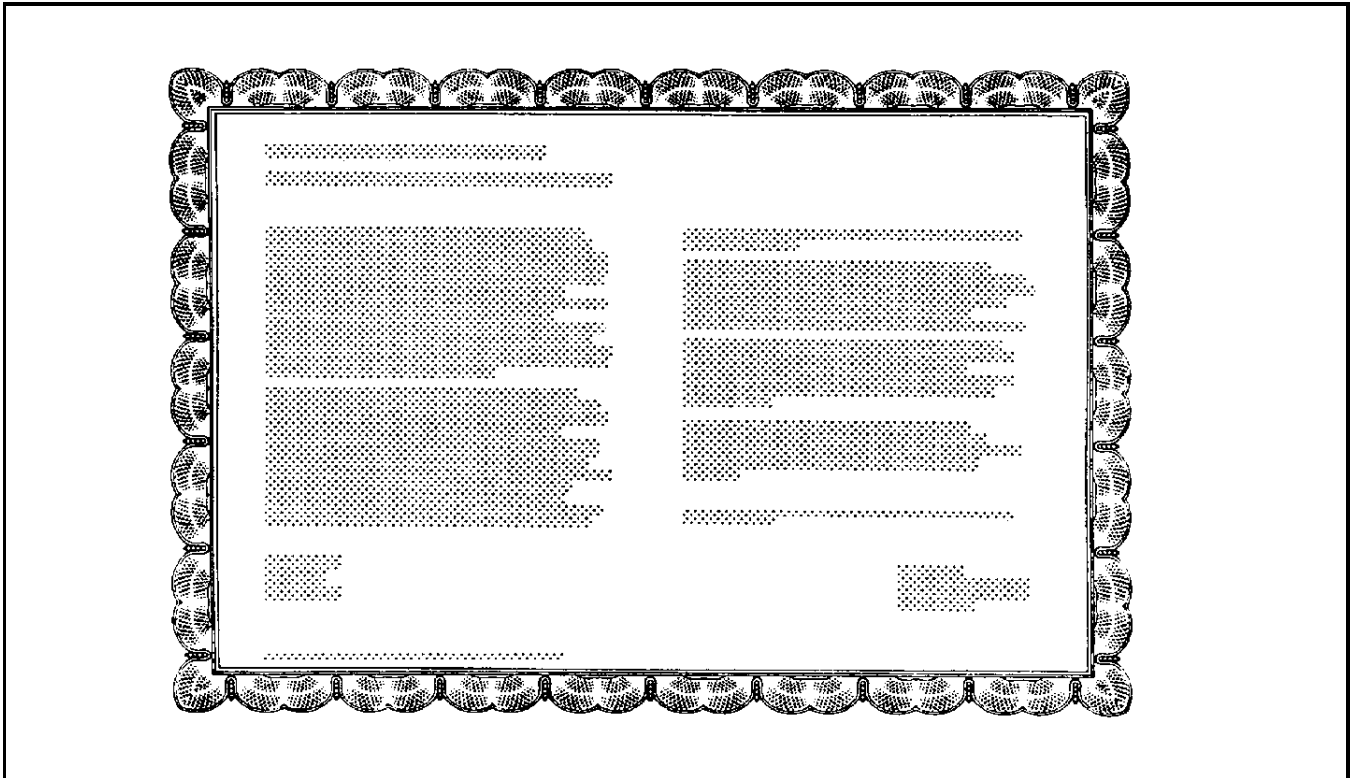
1.5 Sound Information

Sound Level:

Measurement is obtained on a static machine with the procedures and cab conditions as described in ISO 6394 or 86/662/EEC.

The sound pressure level at the operator's ear with a properly installed and maintained fully enclosed cab is 82 dB (A).

2. Warranty



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2.1 Warranty Certificate - Timberjack Feller Bunchers

Standard Warranty:

TIMBERJACK INC. warrants each new TIMBERJACK® FELLER BUNCHER to be free of problems resulting from defective material and workmanship under proper use and service for a period of three hundred and sixty-five (365) days or two thousand (2000) hours, whichever first occurs, following date of delivery of the machine to the original retail customer (user) provided that the prescribed pre-delivery, start-up and follow up inspections have been carried out and reported to TIMBERJACK INC. to validate all aspects of this warranty.

TIMBERJACK INC.'s sole obligation under this warranty is limited to the repair or replacement without charge at TIMBERJACK INC.'s factory, warehouse, or approved repair shop, return freight prepaid by the user of any part or parts which TIMBERJACK INC.'s inspection shall disclose to have been defective in material or workmanship. Parts which show evidence of neglect, overload, abuse, accident, inadequate maintenance or unauthorized alteration are not covered.

TIMBERJACK INC. is not responsible for any costs associated with delivery of the machine to an authorized repair shop, nor any costs associated with delivery of parts to make the repairs.

This warranty, in its entirety, does not cover maintenance items on TIMBERJACK® off-highway machines, which includes, but is not limited to lubricating grease and oils, filters, fan belts, ignition parts.

Alternators, regulators, engines, starter motors, injection pumps, and allied equipment are warranted by the manufacturers of same to the user and are not warranted by TIMBERJACK INC. Warranty on all such parts, components, or items are limited to the warranty, if any, offered by the original manufacturer of same.

This warranty may be denied if repairs or alterations to TIMBERJACK® off-highway machine have been made by persons or firms not specifically approved by TIMBERJACK INC. so as in TIMBERJACK INC.'s opinion to adversely affect in any way the stability or reliability of such machine. The installation in such machine of any product or attachment not specifically approved by TIMBERJACK INC. may also result in denial of warranty.

Liability or obligation on the part of TIMBERJACK INC. for damages, whether general, special, or for negligence and expressly including any incidental and consequential damages, is hereby disclaimed.

TIMBERJACK INC.'s obligation to repair or replace shall be the limit of its liability under this warranty and the sole and exclusive right and remedy of the user.

This warranty is expressly in lieu of all other warranties, express or implied, written or oral, including without limitation, any implied warranties of merchantability or of fitness for a particular purpose.

The distributor agrees to extend only the above warranty to its customers. In the event the distributor extends to its customer any additional warranty such as by extending the scope or period of warranty or undertaking a warranty of fitness for any particular purpose or any other obligation not encompassed in TIMBERJACK INC.'s warranty, then the distributor shall be solely responsible therefor and shall have no recourse against TIMBERJACK INC. with respect there to.

This warranty may not be changed, altered, or modified in any way except in writing by the Vice President of Engineering of TIMBERJACK INC.

TIMBERJACK INC.

Woodstock, Ontario, Canada
August, 1994

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2.2 Items Not Covered By Warranty:

Items and service related functions that are not covered by warranty include, but as not limited to:

1. Issues resulting from misuse, negligence or accident.
2. Issues arising from the use of non approved parts.

3. Repairs or adjustment by other than Timberjack Inc. or its authorized dealers.
4. Engine Tune-up.

5. Issues resulting from the installation of unauthorized attachments or modifications.
6. Transportation of the machine to or from the repair location.

7. Dealer travel or mileage expense.

8. Injection pump and injector adjustments.
9. Air, oil and fuel filter elements.

10. Air conditioning filters, freon, receiver dryer.
11. Diagnosis time will not be considered warranty labour.

12. Tightening of nuts, bolts, screws, etc. or adjustments.
13. Natural wear or defects caused by natural wear.

14. Issues due to use of improper fuel, oil, grease, coolant, or other fluid or lubricant.
15. Freight expenses, daily allowances and overtime labour rates.

16. Damage occurring while in dealer inventory or in transit from the factory to dealer and from dealer to customer.
17. Indirect damages such as loss of earnings, etc.

18. Normal Maintenance services. Maintenance services that are not directly involved with defective parts are considered normal service and should be excluded from a claim. These services include (but not limited to):
 - Fuel system cleaning
 - Engine tune-up
 - Brake inspection and adjustment

 - Other adjustments (but not limited to) such as:
 - Tightening of hydraulic fittings
 - Adding or replacing of service fluid and filters
 - Replacement of air, hydraulic, engine fuel filters, oil, belts, and breathers.
 - Hydraulic pressure adjustments.

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