

JX80U, JX90U, JX100U Tractors

Operator's Manual

Mod 6-61391



FEDERAL EMISSIONS WARRANTY

(California owner's emissions warranty is covered elsewhere)

Case IH warrants that your new 1996 and later heavy-duty off-road diesel engine was designed, built, and equipped to conform to applicable U.S. Environmental Protection Agency regulations for a period of use of five years or 3,000 hours of operation, whichever occurs first.

The new model year, class of diesel engine, and emission application determination for your engine are identified on the emission control information label affixed to the top of your engine's rocker arm cover. The warranty period begins on the date the new equipment is sold to the first retail purchaser.

Any emission control system parts which are proven defective during normal use will be repaired or replaced during the warranty period. The warranty repairs and service will be performed by any authorized Case IH dealer at the dealer's place of business, with no charge for parts or labor (including diagnosis).

As the engine owner, you are responsible to perform all the required maintenance listed in your owner's manual. Case IH will not deny an emission warranty claim solely because you have no record of maintenance; however, a claim may be denied if your failure to perform maintenance resulted in the failure of a warranted part. Receipts covering regular maintenance should be retained in the event of questions and these receipts should be passed on to each subsequent owner of the engine.

It is recommended replacement parts used for maintenance or repairs be Case IH Service Parts to maintain the quality originally designed into your emission certified engine. The use of non-Case IH parts does not invalidate the warranty on other components unless the use of such parts causes damage to warranted parts.

Case IH wishes to assure the emission control systems warranty is being properly administered. If you believe you have not received the service entitled to under this warranty, you should contact the nearest Case IH Branch Office for assistance.

Please note that the Emission Warranty does not cover:

1. Systems and parts that were not first installed on the new equipment or engine as original equipment by Case IH.
2. Part malfunctions caused by abuse, misuse, improper adjustment, modification, alteration, tampering, disconnection, improper or inadequate maintenance, or use of non-recommended fuels and lubricating oils.
3. Accident caused damage, acts of nature, or other events beyond Case IH's control.
4. Replacement of expendable items made in connection with scheduled maintenance.
5. Parts requiring replacement, inspection or adjustment maintenance intervals for reasons other than being defective.
6. Parts which are not Case IH Service Parts.
7. Loss of time, inconvenience, loss of use of equipment/engine or commercial loss.
8. Equipment with altered or disconnected hourmeter where the hours cannot be determined.
9. Equipment normally operated outside the United States.
10. Non-defective parts replaced by other than Case IH dealers.

Coverage

This emission control system warranty applies to the following emission control parts.

Fuel Injection Pump
Fuel Injectors
Turbocharger
Intake Manifold
Exhaust Manifold
Boost Pressure Tubing-connection to Aneroid Device ON F.I.P.

CALIFORNIA EMISSION CONTROL WARRANTY STATEMENT

Your Warranty Rights and Obligations

The California Air Resources Board and Case IH are pleased to explain the emission control system warranty on your engine. In California, new 1997 and later heavy-duty off-road engines from 100 to 150 HP must be designed, built, and equipped to meet the State's stringent anti-smog standards. Case IH must warrant the emission control system on your engine for the periods of time listed below, provided there has been no abuse, neglect, or improper maintenance of your engine.

Your emission control system includes parts such as the fuel injection system and the air induction system.

Where a warrantable condition exists, Case IH will repair your heavy-duty off-road engine at no cost to you, including diagnosis, parts, and labor.

Manufacturer's Warranty Coverage:

The 1997 and later heavy-duty off-road engines are warranted from the original date of delivery for five years or 3,000 hours of operation, whichever occurs first. If any emission-related part on your engine is defective, the part will be repaired or replaced by Case IH.

Owner's Warranty Responsibilities:

- As the heavy-duty off-road engine owner, you are responsible for the performance of the required maintenance listed in your owner's manual. Case IH recommends that you retain all receipts covering maintenance on your heavy-duty off-road engine, but Case IH cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.
- As the heavy-duty off-road engine owner, you should, however, be aware that Case IH may deny you warranty coverage if your heavy-duty off-road engine or a part has failed due to abuse, neglect, improper maintenance, or unapproved modifications.
- Your engine is designed to operate on commercially available diesel fuel only. Use of any other fuel may result in your engine no longer operating in compliance with California's emissions requirements.
- You are responsible for initiating the warranty process. The ARB suggests that you present your heavy-duty off-road engine to a Case IH dealer as soon as a problem exists. The warranty repairs should be completed by the dealer as expeditiously as possible.

If you have questions regarding your warranty rights and responsibilities, you should contact your Branch Office at the address and phone number listed on the Owner Assistance page of your equipment's operator manual.

- Prior to the expiration of the warranty, you must give notice of any failure of an emission control warranted part. Such notice must be given to Case IH or an authorized dealer, and you must deliver the engine to the repair location.
- You, the owner, are responsible for incidental costs incurred by yourself or your employees as a result of a warrantable failure. Examples of such costs are communication expenses, meals and lodging.
- The owner is responsible for any business costs or losses, any "downtime" expenses and any "cargo" damage which result from the failure of a warranted part. Case IH is not responsible for other incidental or consequential damages, including but not limited to fines, theft, vandalism or collisions.

Parts covered:

This emission control system warranty applies to the following emission control parts.

Fuel Injection Pump
Fuel Injectors
Turbocharger
Intake Manifold
Exhaust Manifold
Boost Pressure Tubing-connection to Aneroid Device ON F.I.P.

Any replacement part, equivalent in performance and durability, may be used in the performance of any maintenance or repairs and must be provided without charge to the owner. The use of these parts does not reduce the warranty obligations of Case IH. However, Case IH recommends the use of new, genuine Case IH service parts or Case IH approved rebuilt parts and assemblies. Case IH also recommends that the engine be serviced by a Case IH authorized dealer.

Case IH Responsibilities

Warranty work will be provided at no charge to the owner at any authorized dealer, using new genuine Case IH service parts or Case IH approved rebuilt parts or assemblies..

The owner will not be charged for diagnostic labor which leads to the determination that a warranted part is defective, if the diagnostic work was performed at a warranty station.

Case IH is liable for damages to other engine components caused by the failure under warranty of any warranted part.

Warranty Limitations

Case IH is not responsible for failures resulting from abuse or neglect by owner or operator.

Case IH warrants to the ultimate purchaser and each subsequent purchaser that the engine is designed, built, and equipped so as to conform with all applicable regulations adopted by the Air Resources Board, and that it is free from defects in materials and workmanship which cause the failure of a warranted part.

Any warranted part which is not scheduled for replacement as required maintenance, or which is scheduled only for regular inspection to the effect of "repair or replace as necessary" is warranted for the warranty period.

Any warranted part which is scheduled for replacement as required maintenance is warranted for the period of time prior to the first scheduled replacement point for that part.

Case IH is liable for damages to other engine components caused by the failure under warranty of any warranted part.

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.

Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

CAUTION



THIS WARNING SYMBOL POINTS OUT IMPORTANT MESSAGES CONCERNING YOUR SAFETY. READ THE FOLLOWING SAFETY REGULATIONS CAREFULLY AND FOLLOW THE RECOMMENDATIONS IN ORDER TO AVOID POTENTIAL HAZARDS AND SERIOUS OR FATAL ACCIDENTS. SAFEGUARD YOUR HEALTH AND SAFETY AND THAT OF OTHERS BY ALWAYS TAKING THE UTMOST CARE.

In this manual and on the decals attached to the tractor, the symbol is accompanied by the following key-words:

■ **CAUTION** – When the warning is to prevent potential damage to the machine, which could also put the operator's safety at risk.

■ **DANGER** – This warning specifically indicates a potential danger to the user or to any other person directly involved.

Failure to observe the instructions preceded by the aforementioned key words (**CAUTION** and **DANGER**) may result in severe or fatal injury to the persons involved.

Furthermore, this manual also contains instructions in italics preceded by the terms **NOTE** and **WARNING**, with the following relevance in relation to machine protection:

■ **NOTE** – Underlines the correct procedure or technique to be followed by the operator.

■ **WARNING** – Informs the operator of the danger of damaging the machine if the specified procedure is not followed.

IMPORTANT WARNINGS

The machine is designed and produced exclusively for agricultural and forestry use. Any other use may lead to serious accidents.

All other use will be considered to be contrary to the use specified by CASE IH, who cannot be held liable for damage to property or the machine, or for personal injuries which may result.

Persons who risk improper use will therefore assume the responsibility for any consequences arising from such use.

Compliance with the instructions for use, maintenance and repairs described in this manual, are the essential preconditions for the use specified by CASE IH.

The machine must only be used, serviced or repaired by personnel trained in the relevant working methods and safety regulations and who have been authorised to work on the machine.

The driver must also observe the rules concerning general safety and accident prevention, including the Highway Code when driving on public highways.

Any arbitrary modifications made to this machine will release CASE IH from any liability resulting from damage or injury.

CASE IH and all distribution organisations, inclusive of, but not restricted to, national, regional or local distributors, cannot be held liable for damage resulting from the malfunction of parts and/or components not approved by CASE IH.

Under no circumstances will a guarantee be issued for products made or sold by CASE IH that are damaged as a result of the malfunction of parts and/or components not approved by CASE IH.

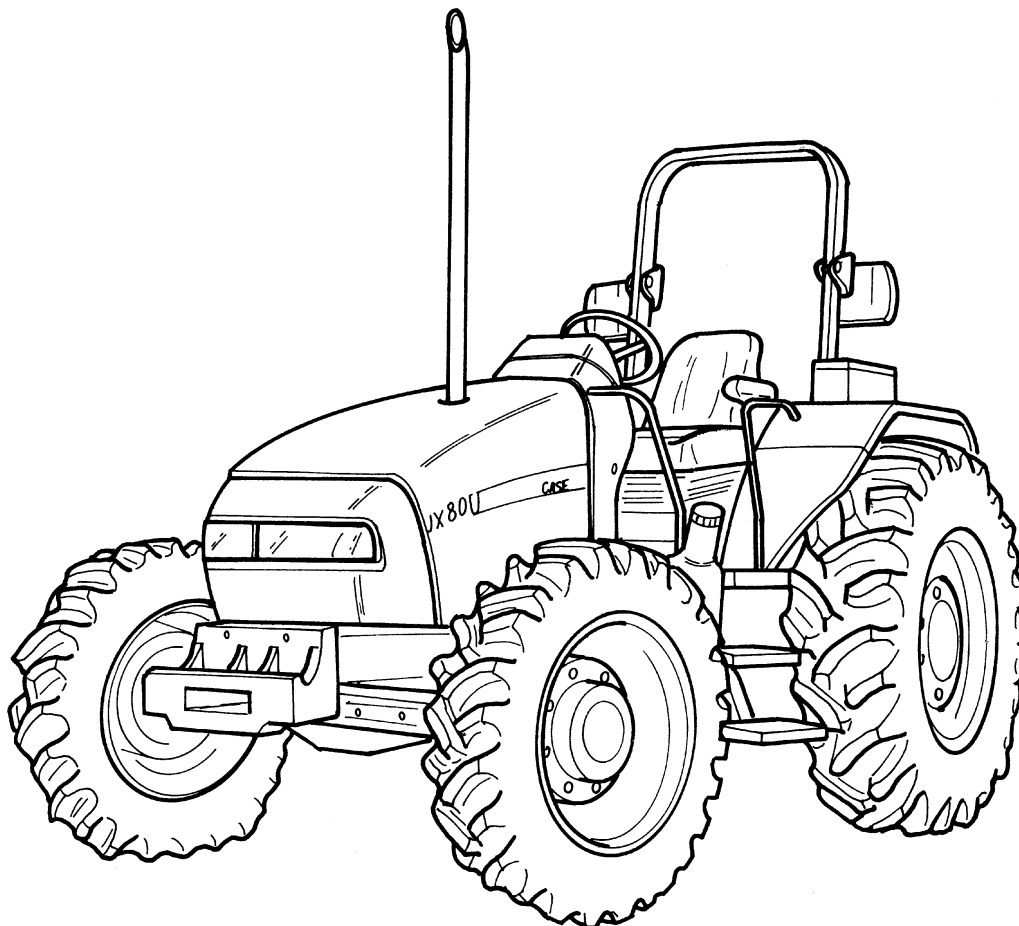
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JXU SERIES



MDD3249A

Dealer's stamp

INTRODUCTION

This Use and Maintenance Manual provides information, documents and a practical guide for the user with regard to running-in, use and maintenance of the tractor.

Read and refer to this manual carefully, and always keep it in a convenient place so that you can refer to it whenever necessary.

This manual is a part of your tractor. If the tractor is sold or hired-out, this manual must be presented to the new user.

If you have any doubts in the future about tractor use, contact your CASE IH dealer.

The dealer can provide skilled personnel, original spare parts and the necessary equipment to carry out your service requirements.

All the data provided in this manual is subject to product modifications. Weights and measures are to be

considered approximate figures and the illustrations do not necessarily show tractors with standard fittings.

For precise information on specific tractor models and versions, please contact your authorized dealer.

The manufacturer is engaged in a continuous process of product development and improvement and therefore reserves the right to change the specifications, components and prices of the product itself at any time, without prior notice.

In this manual, the “left-hand” and “right-hand” parts of the tractor are as seen from the driver’s seat facing forward.

All necessary precautions to guarantee the safety of the operator or bystanders are listed and described in the «Working safely» section, at the start of the manual. Read and follow this information provided **BEFORE** using the tractor.

USING THIS MANUAL

In order to find information easily, the manual is subdivided into single chapters, according to the index. Information regarding the tractor is included in the following chapters:

SAFETY NORMS - Working safely.

CONTROLS AND INSTRUMENTS - Location and operation of all controls.

OPERATING INSTRUCTIONS - General information regarding daily use, e.g.: starting and stopping the tractor, using the gears etc.

FIELD USE - This chapter deals with specific agricultural use e.g.: three point linkage, PTO etc.

TYRES/WHEELS/TRACKS/BALLAST - Various adjustments for agricultural use, e.g.: track variations, ballast types and use, etc.

TROUBLESHOOTING - This information is used to identify and correct any eventual tractor faults or malfunctions.

Maintenance operations are divided into two chapters:

LUBRICATION/MAINTENANCE - Maintenance periods.

ELECTRICAL SYSTEM - Electrical system maintenance.

When looking for a specific tractor part use the alphabetical index at the end of the manual.

Make sure that the manual is kept in good condition.

If you want to know more about your tractor ask your CASE IH dealer for ulterior manuals and information. The Service Manual, Spare Parts Catalogue and Use and Maintenance Manual are also available. Your dealer employs skilled technicians who are specifically trained to service and maintain your tractor.

COMMUNICATION FOR THE USER

GENERAL GUIDELINES

The tractor is a power and drive-propulsion generator for normal and traditional use in agriculture and forestry work. The main tractor functions are: towing, pushing, transporting, lifting, operating machines or determined implements.

Do not use the tractor for other purposes than those described in this manual.

The tractor is designed and constructed to provide the best performance economically, safely and is easy to use in a wide range of working conditions. Prior to delivery, all machines are carefully inspected by both the Manufacturer and your local authorized dealer, to make sure that they reach the user in perfect condition. To maintain the tractor in this condition and ensure trouble-free operation, the routine maintenance operations described in the Lubrication/Maintenance chapter of this manual must be carried out at the specified intervals.

SAFETY

Safety precautions for the operator and bystanders are shown on page 9 to page 15, inclusive. Read the safety instructions and follow recommendations and hints **before** starting to use the tractor.



CAUTION: *It is the tractor owner's responsibility to apply the laws and relevant directives and all CASE IH instructions with regard to tractor work and maintenance.*

CLEANING THE TRACTOR

Your tractor is an advanced machine, fitted with an electro-hydraulic control system. Care must be taken when cleaning the tractor, especially if a pressurized water cleaner is used.

■ Never stand too close to the tractor or direct the water jet on electrical components, seals or intake openings, etc.

■ Never direct jets of cold water at the hot engine or exhaust. See also page 155 (Recommendations for bodywork maintenance).

SPARE PARTS

“Non-original” spare parts have not been tested or authorized by the Manufacturer. Installment and/or use of such products may adversely affect the tractor’s design specifications, thereby compromising operational safety. The manufacturer cannot be held responsible for any damage resulting from the use of “non-original” spare parts.

No modifications may be made to the tractor without written authorization from the Manufacturer.

WARRANTY

The tractor is guaranteed in accordance with current legislation in your country and in line with contractual agreements reached with the dealer at the time of sale. However, the warranty is no longer valid if the rules and instructions for the use and maintenance of the tractor, described in this Manual, are not observed.

The manufacturer must authorize any special fittings that may be required by the user. Non authorized fittings terminate the tractor warranty conditions.

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