

OPERATION MANUAL

EX300 EX300LC Hydraulic Excavator



APPLICABLE MACHINE

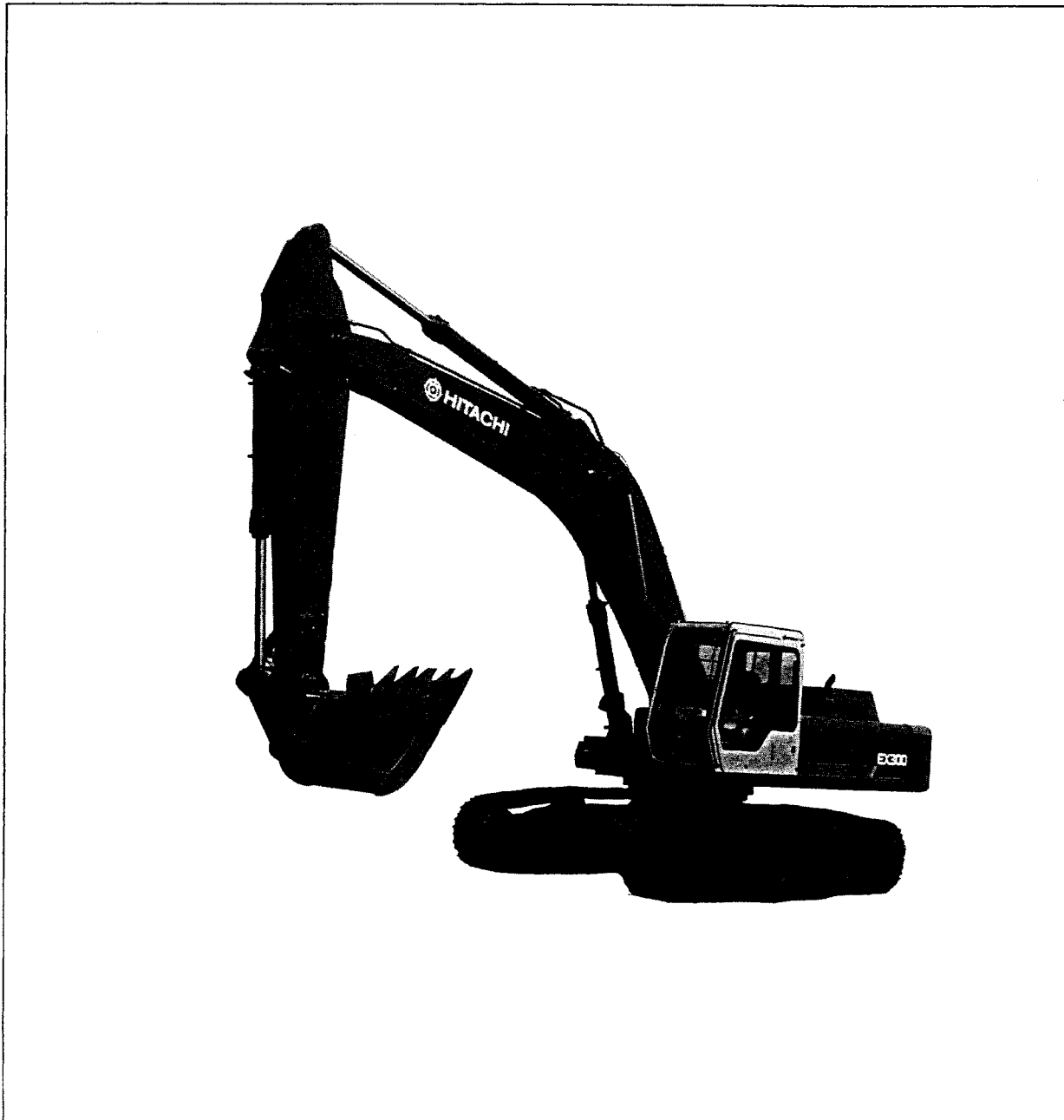
SERIAL No. 2386 ~

EM159-1-2

TO THE READER

This manual is designed to serve as a reference for HITACHI customers and distributors who wish to gain basic product knowledge on Hitachi EX300/EX300LC Hydraulic Excavator. To maintain it in optimum condition and retain maximum performance over a long period of time, CORRECT OPERATION and PROPER MAINTENANCE are essential.

PART ONE describes the operation procedures, PART TWO details the inspection and maintenance, and PART THREE covers handling optional attachments. Please read through this manual, and utilize it to attain the maximum performance. The descriptions in this manual may be subject to changes without prior notice.



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TO THE OPERATOR and dealer's service personnel

Read this manual carefully to learn how to operate and service your excavator correctly.

WARRANTY

The warranty on this excavator appears on your copy of the purchase order which you should have received from your dealer when making your purchase. This warranty provides you the assurance that HITACHI will back its products where defects caused by faulty workmanship appear within the warranty period. In some circumstances, HITACHI also provides field improvements, often without charge to the customer, even if the product is out of warranty.

Warranty and field improvements are a part of HITACHI's product support program for customers who operate and maintain their equipment as described in this manual. 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.

Due to subsequent improvements, the specifications of your machine may be partially different from the descriptions of this manual.

DIRECTIONS

Left, right, front, and rear in this manual are seen from the operator's seat facing forward, propel motors at the rear.

SAFETY



This symbol is used for important safety messages. When you see this symbol, follow the safety message to avoid personal injury.

Read all of the safety rules in this manual before you operate or service the excavator.

MEASUREMENTS

SI units equivalent and conventional metric system in parenthesis are used in this manual.

MACHINE NUMBERS

Write your machine serial number and engine number shown below as well as machine model and engine type. Your dealer needs this information when you order parts and/or whenever you contact them.

Machine model

EX300/EX300LC

Serial No.

Engine type

HINO EP100-T

Engine Serial No.

In this manual, SDX and DX are mentioned on some headings.

As supplied machines are different subject to territory and/or machine, please confirm which one is applicable.

UNDERSTAND MACHINE OPERATION

Only qualified people should operate the machine.
Learn the location and purpose of all controls, instruments, indicator lamps, and caution plates.

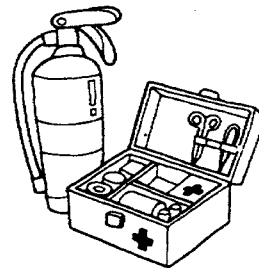
WEAR PROTECTIVE CLOTHING

Wear fairly tight clothing . . . and safety equipment.



USE SAFETY EQUIPMENT

Fasten a first-aid kit and a fire extinguisher to the machine.
Keep the extinguisher fully charged.
Learn to use it correctly.



INSPECT EXCAVATOR

Inspect your excavator carefully each day before you start it. Use the check list on page 29.
Do not start or operate the excavator unless you are in the operator's seat.
When you operate the excavator, do not let another person on the machine.
When you get on or off the excavator, use hand rails and steps.
Start the engine only in well-ventilated area.
Before you move the boom or arm, be sure all persons are away from the excavator.



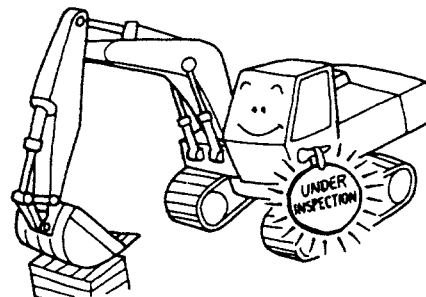
PRECAUTIONS FOR INSPECTION AND MAINTENANCE

Be sure to stop the engine.

Place a notice board "under inspection and maintenance" on the cab door or control lever.

Never get under the machine while it is jacked up by the boom and arm:

When inspecting or servicing the machine with raised boom and arm, always use safety blocks, safety supports, etc.



MOVE EXCAVATOR SAFELY

Before you move the excavator, find out which way to move propel pedals for the direction you want to go. If propel motors (A) are in front of the cab, push down the rear of the propel pedals (B) to move forward.

Do not travel without a signal person for a guide.

Do not travel near the edge of a ditch, gully, or excavation.

Travel carefully where room is limited, over rough ground, and on slopes.

PARK SAFELY

Before you leave the cab:

Lower bucket to ground.

Stop engine.

Put control lever in neutral position.

If you park the excavator on a slope, put blocks against tracks.

Do not park excavator with tracks pointed downhill.

Take the engine key and cab door key with you.

