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## **FOREWORD**

This manual is intended for persons who engage in maintenance operations, and explains procedures for disassembly and reassembly of the machine, check and maintenance procedures, maintenance reference values, troubleshooting and outline specifications, etc. Please use this manual as a reference in service activities to improve maintenance techniques.

Further, please be advised that items contained in this manual are subject to change without notice due to design modifications, etc.

### **MACHINE FRONT AND REAR, LEFT AND RIGHT**

The end where the bucket is mounted is the front and the end with the travel motors is the rear. Also the right and left sides of the operator when he is seated in the driver's seat are the right and left sides of the machine.

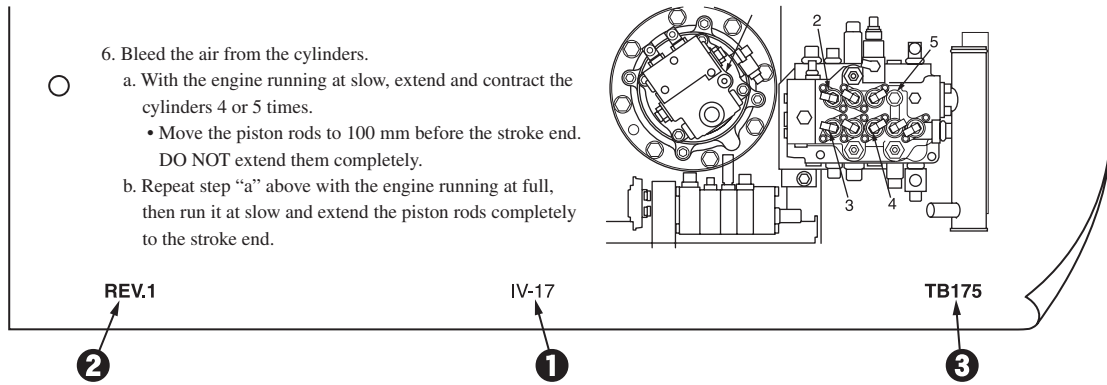
### **MACHINE SERIAL NUMBER**

The machine serial number is stamped on the identification plate. When sending reports and inquiries, and when ordering parts, etc., be sure to include this number.

### **MANUAL CONTROL**

Information on those to whom this manual is distributed is recorded in the ledger in the section in charge at this company, so please decide on a person to be in charge of it and control it. When there are updates or additions, etc., we will notify the person in charge.

## FOOT OF THE PAGE

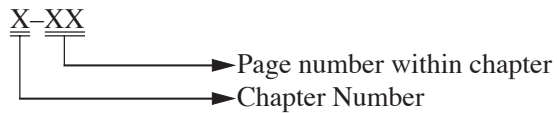


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### 1. Page number

The following page numbers are assigned to each respective page. And if there are additional pages, the addition codes are supplied. Please file the sheets in the order of the page numbers.

Page No.



Page Addition



Example: II-8

II-9

II-9-1 ..... A page is added between page 9 and page 10.

II-10

### 2. Revision number

Indicates the number of revisions made to this manual. This number is printed on the page that reflects this revision.

If a page has been revised, it is to be used in place of the page used before revision and it is not necessary to keep the old page.

### 3. Model(s)

## SYMBOLS

☞ means "Please refer to the section quoted."

⚙️ Indicates the tightening torque at the specific section that requires special attention in designing.

⚖️ Indicates the mass of a part or device.

- I . GENERAL**
- II . SPECIFICATIONS**
- III. MACHINE CONFIGURATION**
- IV. HYDRAULIC UNITS**
- V . TROUBLESHOOTING**
- VI. ENGINE**



# **I . GENERAL**

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