

Section 1

HOW TO USE

CONTENTS

Group 1-SECTION & GROUP CONTENTS

..... HU5-1A-1~4

Group 2-INTRODUCTION HU3-2-1~2

1. Introduction HU3-2-1

2. Care of the Handling HU3-2-1

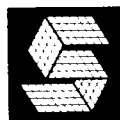
3. Symbols HU3-2-2

Group 4-SAFETY INFORMATIONS HU3-4-1~4

SECTION & GROUP CONTENTS

**SECTION 1 HOW TO USE**

Group 1	Section & Group Contents	HU5-1A
Group 2	Introduction	HU3-2
Group 3	Features of this Manual	HU3-3
Group 4	Safety Informations	HU3-4

**SECTION 2 SPECIFICATIONS**

Group 1	General Specifications	SP78-1A
Group 2	Components Specifications	SP78-2A
Group 3	Torque References	SP78-3
Group 4	Others	SP76-4
Group 5	Conversion Table	CT-1

**SECTION 3 GENERAL INFORMATION**

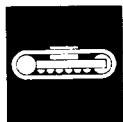
Group 1	Introduction	GN6-1
Group 2	Construction	GN6-2
Group 3	Hydraulic System	GN5-3
Group 4	Electric System	GN5-4
Group 5	Maintenance	GN5-5

**SECTION 4 SUPERSTRUCTURE**

Group 1	Superstructure	SS-17
Group 2	Hydraulic Pump Device	
	Hydraulic Pump	HYP-34A
	Regulator	RE-28
	Pump Transmission	TM-5
	Gear Pump	HYP-36
Group 3	Control Valve	CV-31A
Group 4	Swing Device	
	Swing Motor (MX 173 CAB Motor)	HYM-42
	Swing Motor (M2X 170, 210 CAB Motor)	HYM-58
	Swing Reduction Device	SRD-6
Group 5	Pilot Valve	
	Operational Principle, Disassembly & Assembly (For Front-End Attachment)	PV-9
	Disassembly & Assembly (For Travel)	PV-10
Group 6	Control Neutralizer Valve	CNV-1
Group 7	Shockless Valve	SHV-1
Group 8	Accumulator	ACC-4
Group 9	Solenoid Valve	SOV-9
Group 10	Mode Selection Cylinder	CY-13

Continued on next page

SECTION & GROUP CONTENTS

**SECTION 5 UNDERCARRIAGE**

Group 1	Undercarriage	UC-19
Group 2	Travel Device	
	Operational Principle of Travel Motor	HYM-40A
	Disassembly & Assembly of Travel Motor	HYM-41A
	Disassembly & Assembly of Travel Device	TD-15A
Group 3	Center Joint	CJ-10

**SECTION 6 FRONT-END ATTACHMENTS**

Group 1	Front-End Attachment	FA11-1
Group 2	Hydraulic Cylinder	
	Operational Principle	CY-12
	Disassembly & Assembly	CY-17
Group 3	Pin & Bushing	FA11-3
Group 4	Point & Side Cutter	FA11-4

**SECTION 7 HYDRAULIC SYSTEM**

Group 1	Outline	HS-7A
Group 2	Main Hydraulic Circuit	HS-7A
Group 3	Pilot Circuit	HS-7A
Group 4	Single Operation	HS-7A
Group 5	Combined Operation	HS-7A
Group 6	Extra Control Circuit	HS-7A
Group 7	Hydraulic Circuit	HS-7A

SECTION & GROUP CONTENTS

**SECTION 9 ELECTRICAL SYSTEM**

Group 1	Safety Precautions	ES5-1
Group 2	Specifications	ES7-2
Group 3	Construction & Function	ES7-3
Group 4	Circuit Operations	ES7-4
Group 5	Maintenance	ES5-5

**SECTION 10 TROUBLESHOOTING**

Group 1	Introduction	TS11-1
Group 2	Diagnose Malfunctions	TS11-2
Group 3	Excavator Performance Test	TS12-3A
Group 4	Components Performance Standard	TS12-4B
Group 5	Electrical System Test	TS12-5

**SECTION 11 ENGINE**

Group 1	General Information	EG9-1
Group 2	Maintenance	EG9-2
Group 3	Engine Disassembly	EG9-3
Group 4	Inspection & Repair	EG9-4
Group 5	Engine Assembly	EG9-5
Group 6	Lubricating System	EG9-6
Group 7	Cooling System	EG9-7
Group 8	Fuel System	EG9-8
Group 9	Turbo Charger	EG9-9
Group 10	Engine Electricals	EG9-10
Group 11	Troubleshooting	EG9-11
Group 12	Special Tool List	EG9-12

INTRODUCTION

1. SAFETY ALERT SYMBOL AND HEADLINE OF NOTATION

In this manual, the following safety alert symbol and the headline of notation are used to arouse importance in safety and technology.

1.1 SAFETY ALERT SYMBOL

This is the safety alert symbol. When you see this symbol, be alert to the potential for personal injury. Never fail to follow the safety instructions prescribed along with the safety alert symbol.

**1.2 HEADLINE OF NOTATION**

The word "NOTE" is headlined to supplement an additional technical information or know-how.

2. TO UPDATE THE CONTENTS OF THE SERVICE MANUAL

Each service manual is serially numbered and its number is recorded by us with the name of the person who received the service manual.

And they are referred when the delivered service manuals are required to be revised by up-to-date information as such information must be supplied quickly and correctly.

Please, advise us the name of person who keeps the service manual and is in responsible to keep it up-to-date by sending back to us the slip of the shipping information sheet enclosed in the service manual.

In case that the personal administration change is made, please inform us of the name of the person who is newly appointed to maintain the service manual.

3. TO KEEP CONFIDENTIAL

Please, keep the technical informations and know-how contained in the service manual confidential to the outsiders.

[Buy now](#)

[Hitachi EX200 Excavator Service Manual PDF](#)

[With Instant Download](#)