

FOREWORD

This service manual has been prepared to provide SUBARU service personnel with the necessary information and data for the correct maintenance and repair of SUBARU XT.

The manual includes the procedures for maintenance, disassembling, reassembling, inspection and adjustment of components and trouble-shooting for guidance of both the fully qualified and the less-experienced mechanics.

Please peruse and utilize this manual fully to ensure complete repair work for satisfying our customers by keeping their vehicles in optimum condition. When replacement of parts during repair work is needed, be sure to use SUBARU genuine parts.

All information, illustrations and specifications contained in this manual are based on the latest product information available at the time of publication approval.

We reserve the right to make changes at any time without prior notice.

FUJI HEAVY INDUSTRIES LTD.

How to use this manual

This service manual is divided into four volumes. Each volume consists of Section 1, Section 2, 3, Section 4, 5 and Section 6 respectively.

Each chapter, beginning with the Engine section, is basically made up of the following five areas.

1. Mechanism and function
2. Specifications and service data
3. Component parts
4. Service procedure
5. Trouble-shooting

"ABBREVIATION LIST" is provided at the back page of quick reference index in each volume.

"ALPHABETICAL INDEX" is also provided at the last page in each volume.

This service manual applies to SUBARU XT, and explains all equipments including factory options. Therefore, you may find some explanations for equipments not installed on the vehicle.

SUBARU and  are registered trademarks of FUJI HEAVY INDUSTRIES LTD.

© Copyright 1987 FUJI HEAVY INDUSTRIES LTD. All rights reserved.

Not to be reproduced in whole or in part without the prior written permission of FUJI HEAVY INDUSTRIES LTD., TOKYO JAPAN.

TABLE OF CONTENTS

1 GENERAL SECTION	1-1 Specifications 1-2 ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ 1-3 General Information 1-4 Pre-Delivery Inspection 1-5 Periodic Maintenance Services 1-6 Special Tools
2 ENGINE SECTION	2-1 Emission Control System and Vacuum Fitting 2-2 On-Car Services 2-3 Engine 2-4 Engine Lubrication System 2-5 Engine Cooling System 2-6 ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ 2-7 Fuel Injection System 2-8 Fuel System 2-9 Exhaust System 2-10 Clutch 2-11 Engine and Transmission Mounting System
3 TRANSMISSION AND DIFFERENTIAL SECTION	3-1 Manual Transmission and Differential 3-2 Automatic Transmission and Differential 3-3 Transmission Control System 3-4 4WD System
4 MECHANICAL COMPONENTS SECTION	4-1 Suspension 4-2 Wheels and Axles 4-3 Steering System 4-4 Brakes 4-5 Pedal System and Control Cables 4-6 Heater and Ventilator 4-7 Air Conditioning System
<input type="checkbox"/> BODY SECTION	5-1 Body and Exterior 5-2 Doors and Windows 5-3 Seats, Seat Belts, and Interior 5-4 Instrument Panel
<input type="checkbox"/> ELECTRICAL SECTION	6-1 Engine Electrical System 6-2 Body Electrical System 6-3 Wiring Diagram and Trouble-shooting

SUBARU

1988

SERVICE
MANUAL

**4 MECHANICAL COMPONENTS
SECTION**

SUSPENSION 4-1

WHEELS AND AXLES 4-2

STEERING SYSTEM 4-3

BRAKES 4-4

PEDAL SYSTEM AND CONTROL CABLES 4-5

HEATER AND VENTILATOR 4-6

AIR CONDITIONING SYSTEM 4-7

5 BODY SECTION

BODY AND EXTERIOR 5-1

DOORS AND WINDOWS 5-2

SEATS, SEAT BELTS, AND INTERIOR 5-3

INSTRUMENT PANEL 5-4



ABBREVIATION LIST

A/C	Air Conditioner	F RH	Front Right-hand
ALR	Automatic Locking Retractor	F sus	Front suspension
approx	approximately	GND	Ground
ASSY	Assembly	hex	hexagon
AT	Automatic Transmission	ID	Inside Diameter
BI-LEV	Bi-level	IG	Ignition
BJ	Bell Joint	IMACA	International Mobile Air Conditioning Association Inc.
BP	British Petroleum	ISC	Idle Speed Control
B power	Battery power	K/D	Kickdown
Carb	Carburetor	LH	Left-hand
CGR	Constant Gear Ratio	LWR	Lower
CIRC	Circulation	MPFI	Multi Point Fuel Injection
CP	Complete	MT	Manual Transmission
CTR F LH	Center Front Left-hand	PCD	Pitch Circle Diameter
CTR R	Center Rear	Pd	Discharge pressure
CVJ	Constant Velocity Joint	PHV	Pressure Hold Valve
DEF	Defroster	P/N	Parts Number
dia	Diameter	Ps	Suction pressure
DOJ	Double Offset Joint	R-12	Refrigerant-12
E/A	Energy Absorbing	R DPV	Rear Dual Proportioning Valve
E/G	Engine	RH	Right-hand
EGI	Electronic Controlled Gasoline Injection	RL	Rear left
ELR	Emergency Locking Retractor	R LH	Rear Left-hand
ERB	Emergency Release Buckle	RQ	Rear Quarter
Ex	Example	RR	Rear right
F/C	Fresh/Circulation	SD	Side
FFV	Fast Fill Valve	S/R	Single Range
FICD	Fast Idle Control Device	SV plate	Suction Valve plate
FL	Front left	TDC	Top Dead Center
F LH	Front Left-hand	UPR	Upper
FMVSS	Federal Motor Vehicle Safety Standard	VGR	Variable Gear Ratio
FR	Front right	4WD D/R	4-Wheel Drive Dual Range
		4WD S/R	4-Wheel Drive Single Range