

# How to Use This Manuals

## HOW TO USE THIS MANUALS

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### 1. How to Use This Manuals

#### A: HOW TO USE THIS MANUALS

##### 1. STRUCTURE

Each section consists of SCT that are broken down into SC that are divided into sections for each component. The specification, maintenance and other information for the components are included, and the diagnostic information has also been added where necessary.

##### 2. CONTENTS

The first page has an index with tabs.

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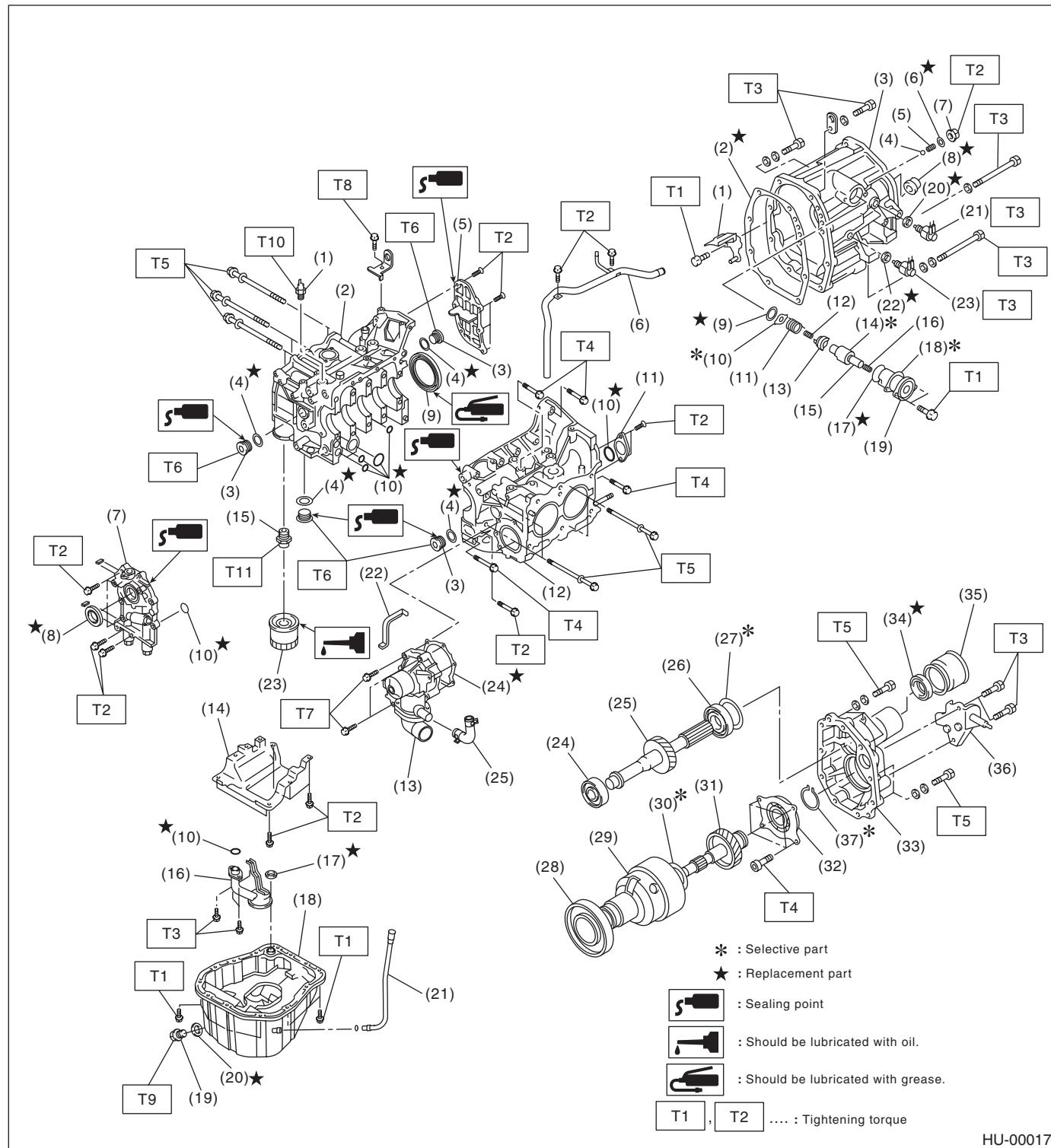
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## 3. COMPONENT

Illustrations are provided for each component. The information necessary for repair work (tightening torque, grease up points, etc.) is described on these illustrations. Information is described using symbol.

To order parts, refer to parts catalogue.

**Example:**



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### 4. DEFINITIONS OF “NOTE”, “CAUTION” AND “WARNING”

- **NOTE:**

Describes additional information to make works easier.

- **CAUTION:**

Describes prohibited matters to prevent vehicle or parts damage, or matters that requires special attention during work.

- **WARNING:**

Describes matters that may cause serious damage to the operator or other person, or that may cause damage or accident.

### 5. SPECIFICATION

If necessary, specifications are also included.

### 6. INSPECTION

Inspections to be carried out before and after maintenance are included.

### 7. MAINTENANCE

- Maintenance instructions for serviceable parts describe work area and detailed step with illustration. It also describes the use of special tool, tightening torque, caution for each procedure.
- If many serviceable parts are included in one service procedure, appropriate reference is provided for each parts.

**Example:**

#### 15.Main Shaft ← (A)

##### A: REMOVAL ← (B)

- 1) Remove the manual transmission assembly from vehicle. <Ref. to MT-33, REMOVAL, Manual Transmission Assembly.>

← (C)

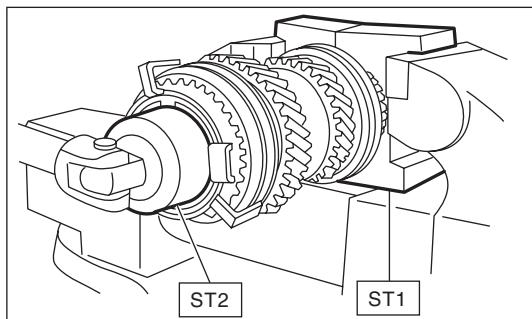
- 11) Tighten the lock nuts to the specified torque using ST1 and ST2.

NOTE: ← (D)  
Secure the lock nuts in two places after tightening.

ST1 498937000 TRANSMISSION HOLDER  
ST2 499987003 (E) SOCKET WRENCH (35) (F)

##### Tightening torque:

118 N·m (12.0 kgf-m, 86.8 ft-lb) ← (G)



← (H)

HU-00020

(A) Component

(D) Cautions

(G) Tightening torque

(B) Process

(E) Tool number of special tool

(H) Illustration

(C) Reference

(F) Name of special tool

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### 8. DIAGNOSIS

Tables showing a step-by-step process make it easy to conduct diagnosis.

### 9. SI UNITS

Measurements in these manuals are according to the SI units. Metric and yard/pound measurements are also included.

**Example:**

***Tightening torque:***

**44 N·m (4.5 kgf-m, 33 ft-lb)**

Item	SI units	Conventional unit	Remarks
Force	N (Newton)	kgf	1 kgf = 9.80655 N
Mass (Weight)	kg, g	kg, g	
Capacity	ℓ, m ℓ or cm <sup>3</sup>	ℓ or cc	1 cc = 1 cm <sup>3</sup> = 1 m ℓ
Torque	N·m	kgf-m, kgf-cm	1 kgf-m = 9.80655 N·m
Rotating speed	rpm	rpm	
Pressure	kPa (kilopascal)	kgf/cm <sup>2</sup>	1 kgf/cm <sup>2</sup> = 98.0655 kPa
		mmHg	1 mmHg = 0.133322 kPa
Power	W	PS	1 PS = 0.735499 kW
Calorie	W·h	cal	1 kcal = 1.16279 W·h
Fuel consumption rate	g/kW·h	g/PS·h	1 g/PS·h = 1.3596 g/kW·h

The figure used in these manuals are described in the SI units and conventional units are described in ( ).

### 10. EXPLANATION OF TERMINOLOGY

AAI	: Air Assist Injection	H/L	: Headlight
A/B	: Airbag	H/U	: Hydraulic Unit
ABS	: Anti-lock Brake System	I/F	: Interface
A/C	: Air Conditioner	I/O	: Input/Output
ACC	: Accessory	IG	: Ignition
A/F	: Air Fuel Ratio	INT	: Intermittent
ALT	: Generator	ISC	: Idle Speed Control
ASSY	: Assembly	LCD	: Liquid Crystal Display
AT	: Automatic Transmission	LH	: LH (Left Hand)
ATF	: Automatic Transmission Fluid	LSD	: Limited Slip Differential
AUX	: Auxiliary	M/B	: Main Fuse & Relay Box
AUX	: Auxiliary Storage Unit	MFI	: Multi Point Injection
AWD	: All Wheel Drive	MT	: Manual Transmission
BATT	: Battery	NA	: Natural Aspiration
CAN	: Controller Area Network	OP	: Option Parts
CD	: Compact Disc	P/W	: Power Window
CPU	: Central Processing Unit	PCV	: Positive Crankcase Ventilation
DOHC	: Double Overhead Camshaft	PTJ	: Pillow Tripod Joint
DOJ	: Double Offset Joint	RH	: RH (Right Hand)
DTC	: Diagnostic Trouble Code	ROM	: Read Only Memory
DVD	: Digital Versatile Disc	Rr	: Rear
EBJ	: High-efficiency Compact Ball Fixed Joint	SOHC	: Single Overhead Camshaft
ECM	: Engine Control Module	SRS	: Supplemental Restraint System
EDJ	: High-efficiency Compact Double Offset Joint	SSM	: Subaru Select Monitor
EGR	: Exhaust Gas Recirculation	ST	: Special Tool
EX	: Exhaust	SW	: Switch
F/B	: Fuse & Joint Box	TCS	: Traction Control System
Ft	: Front	TCM	: Transmission Control Module
FWD	: Front Wheel Drive	TPMS	: Tire Pressure Monitoring System
GPS	: Global Positioning System	VDC	: Vehicle Dynamics Control
HI	: High	VTD	: Variable Torque Distribution
HID	: High Intensity Discharge		

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# SPECIFICATIONS

**SPC**

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