

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

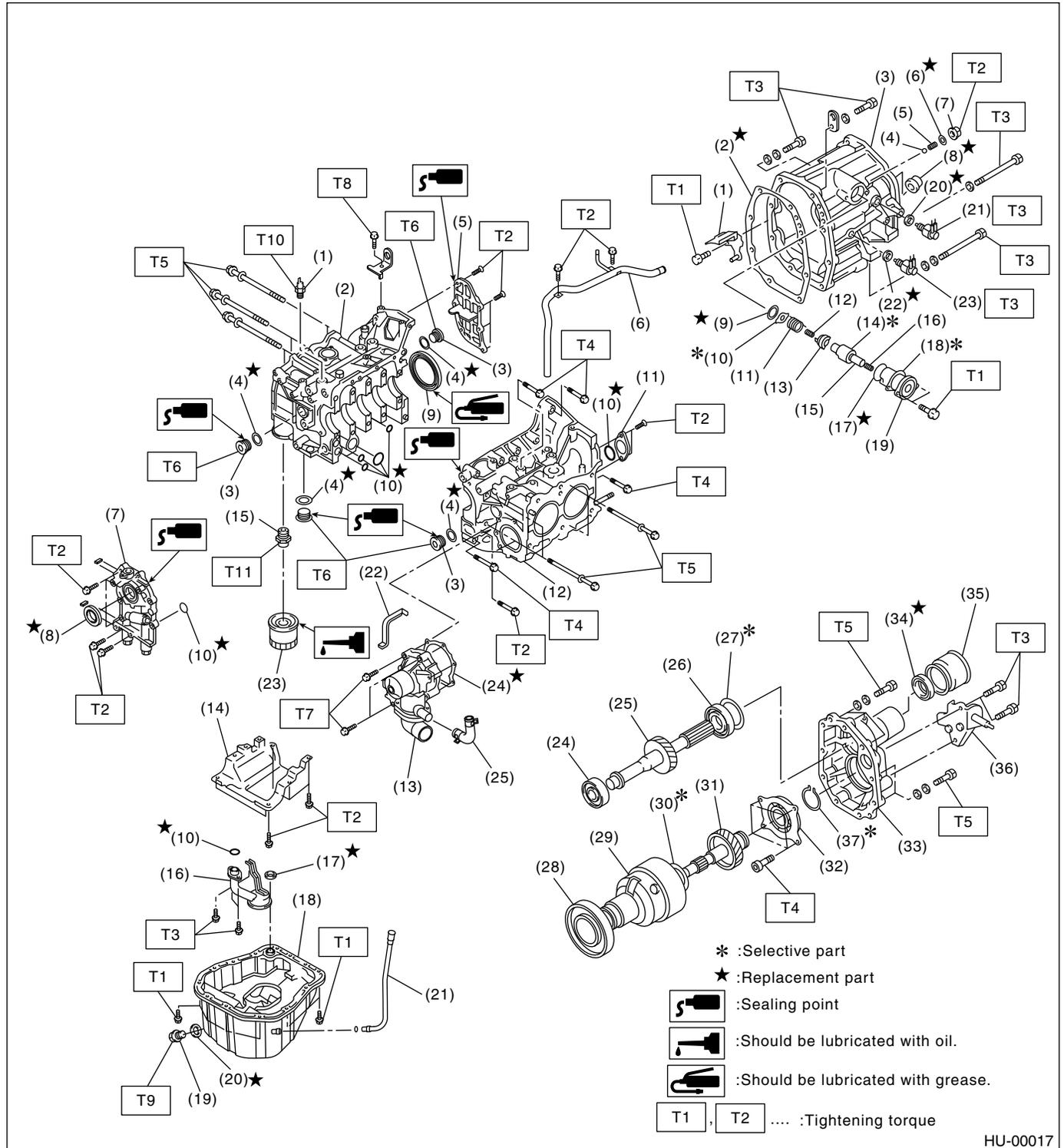
The first page has an index with tabs.

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:



HU-00017

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4. SPECIFICATION

If necessary, specifications are also included.

5. INSPECTION

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

6. 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 Assembly for Single-Range ← (A)

A: REMOVAL ← (B)

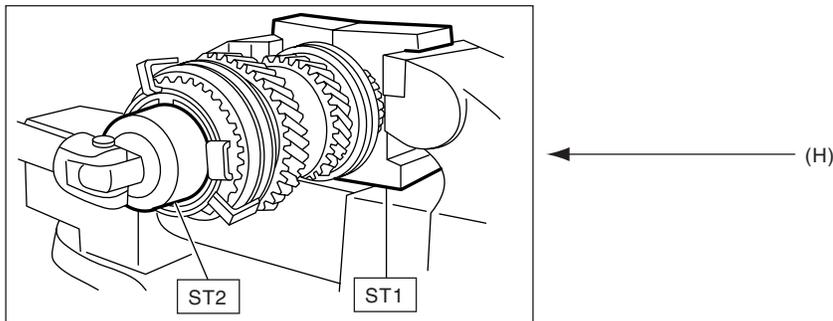
1) Remove the manual transmission assembly from vehicle. <Ref. to MT-33, REMOVAL, Manual Transmission Assembly.> ← (C)

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

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

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

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



HU-00020

(A) Component
(B) Process
(C) Reference

(D) Cautions
(E) Tool number of special tool
(F) Name of special tool

(G) Tightening torque
(H) Illustration

7. DIAGNOSIS

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

8. 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, mℓ or cm ³	ℓ or cc	1 cc = 1 cm ³ = 1 mℓ
Torque	N·m	kgf·m, kgf·cm	1 kgf·m = 9.80655 N·m
Rotating speed	rpm	rpm	
Pressure	kPa (kilopascal)	kgf/cm ²	1 kgf/cm ² = 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 ().

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9. EXPLANATION OF TERMINOLOGY

• List

AAI	: Air Assist Injection	M/B	: Main Fuse & Relay Box
A/B	: Airbag	MD	: Mini Disc
ABS	: Antilock Brake System	MPI	: Multi Point Injection
A/C	: Air Conditioner	MP-T	: Multi-Plate Transfer
A/F	: Air Fuel Ratio	MT	: Manual Transmission
ALT	: Generator	Non-turbo	: Natural Aspiration
ASSY	: Assembly	NC	: Normal Close (Relay)
AT	: Automatic Transmission	NO	: Normal Open (Relay)
ATF	: Automatic Transmission Fluid	OP	: Option Parts
BATT	: Battery	P/S	: Power Steering
CD-R/RW	: CD Recordable/Rewritable	P/W	: Power Window
CPU	: Central Processing Unit	PCD	: Pitch Circle Diameter
DOHC	: Double Overhead Camshaft	PCV	: Positive Crankcase Ventilation
DVD	: Digital Versatile Disc	RH	: RH (Right Hand)
ECM	: Engine Control Module (ECM)	Rr	: Rear
EGR	: Exhaust Gas Recirculation	SOHC	: Single Overhead Camshaft
ELR	: Emergency Locking Retractor	SRS	: Supplemental Restraint System
EX	: Exhaust	SSM	: Subaru Select Monitor
F/B	: Fuse & Joint Box	ST	: Special Tool
FL	: Fusible Link	SW	: Switch
Ft	: Full-time AWD	TCS	: Traction Control System
FWD	: Front Wheel Drive	TGV	: Tumble Generated Valve
GPS	: Global Positioning System	T/M	: Transmission
H/U	: Hydraulic Unit	ViS-C	: Viscous Coupling
IG	: Ignition	VSV	: Vacuum Switching Valve
INT	: Intermittent	VTD	: Variable Torque Distribution
ISC	: Idle Speed Control	W/H	: Wiring Harness
LH	: LH (Left Hand)	Pr	: Primary
LSD	: Limited Slip Differential	2ndr	: Secondary