1. General Description

A: SPECIFICATION

	Model				2.5 L
	Cylinder arrangement			Horizontally opposed, liquid cooled, 4-cylinder, 4-stroke gasoline engine	
	Valve system mechanism		Belt driven, double overhead camshaft, 4-valve/cylinder		
	Bore × Stroke			mm (in)	99.5 × 79.0 (3.92 × 3.11)
	Displacement			cm ³ (cu in)	2,457 (149.94)
	Compression ratio				9.5
	Compression pressure (at 200 — 300 rpm)	kPa (kg/	cm ² , psi)	Standard	981 — 1,177 (10 — 12, 142 — 171)
	Number of piston rings				Pressure ring: 2, Oil ring: 1
			Open	Max. retard	ATDC 5°
	Intake valve timing		Ореп	Min. advance	BTDC 35°
			Close	Max. retard	ABDC 65°
Engine		Min. advance		ABDC 25°	
			0	Max. retard	BBDC 32°
	Exposed value timing		Open	Min. advance	BBDC 72°
	Exhaust valve timing		Close	Max. retard	ATDC 28°
				Min. advance	BTDC 12°
		Inspection	Intake		$0.20^{+0.04}_{0.06} (0.0079^{+0.0016}_{0.0024})$
	Valve clearance mm (in)	value	Exhaust	t	0.35±0.05 (0.0138±0.0020)
	valve dicaratice mini (iii)	Adjustment	Intake		$0.20^{+0.01}_{0.03} (0.0079^{+0.0004}_{0.0012})$
		value	Exhaust	t	0.35±0.02 (0.0138±0.0008)
	Idle speed (gear shift lever in	rpm	No load	Standard	700±100
	neutral position)	ı pili	A/C ON	Standard	700 — 850±100
	Ignition order				$1 \to 3 \to 2 \to 4$
	Ignition timing	В	ΓDC/rpm	Standard	15°±10°/700

NOTE:

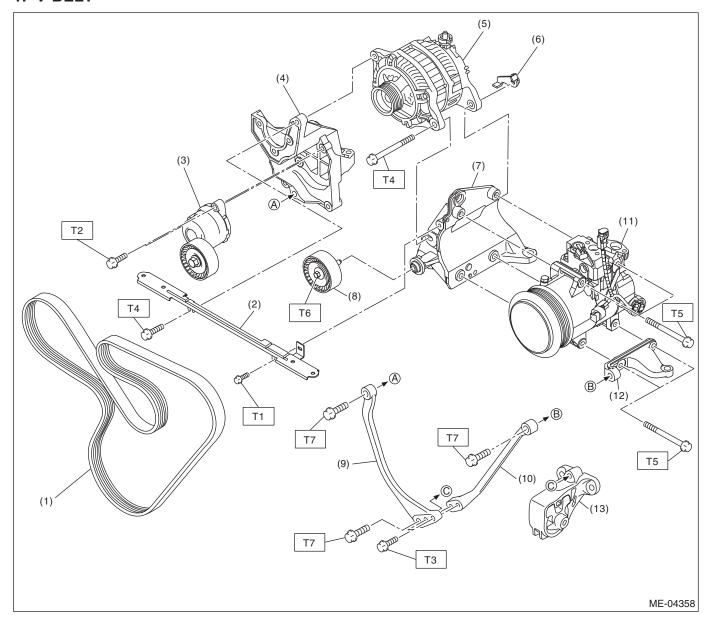
OS: Oversize US: Undersize

Belt tension adjuster	Adjuster rod protrusion amou	nt	mm (in)	5.2 — 6.2 (0.205 — 0.244)	
	Bending limit			mm (in)	0.020 (0.00079)
	0	(!)	Intake	Standard	46.55 — 46.65 (1.833 — 1.837)
	Cam lobe height	mm (in)	Exhaust	Standard	45.85 — 45.95 (1.805 — 1.809)
0	Cam base circle diameter		mm (in)	Standard	37.0 (1.457)
Camshaft		<i>(</i> : \	Front	Standard	37.946 — 37.963 (1.4939 — 1.4946)
	Journal O.D.	mm (in)	Center, rear	Standard	29.946 — 29.963 (1.1790 — 1.1796)
	Oil clearance		mm (in)	Standard	0.037 — 0.072 (0.0015 — 0.0028)
	Thrust clearance		mm (in)	Standard	0.068 — 0.116 (0.0027 — 0.0047)
Cylinder	Warping limit (Mating surface with cylinder	block)		mm (in)	0.035 (0.0014)
head	Grinding limit			mm (in)	0.3 (0.012)
	Standard height			mm (in)	127.5 (5.02)
	Seating angle between valve	and valve	seat		90°
Valve seat	Contacting width of valve	(!)	Intake	Standard	0.6 — 1.4 (0.024 — 0.055)
	and valve seat	mm (in)	Exhaust	Standard	1.2 — 1.8 (0.047 — 0.071)
	Clearance between the	(!)	Intake	Standard	0.030 — 0.057 (0.0012 — 0.0022)
	valve guide and valve stem	mm (in)	Exhaust	Standard	0.040 — 0.067 (0.0016 — 0.0026)
Value avide	Inside diameter	nside diameter		mm (in)	6.000 — 6.012 (0.2362 — 0.2367)
Valve guide			Intake		5.955 — 5.970 (0.2344 — 0.2350)
	Valve stem outer diameter mm (in) Exhaust				5.945 — 5.960 (0.2341 — 0.2346)
	Valve guide protrusion amour	nt		mm (in)	15.8 — 16.2 (0.622 — 0.638)
	Hood odgo thickness		Intake	Standard	1.0 — 1.4 (0.039 — 0.055)
Valve	Head edge thickness	mm (in)	Exhaust	Standard	1.3 — 1.7 (0.051 — 0.067)
vaive	Overall length	mm (in)	Intake		104.4 (4.110)
	Overall length	mm (in)	Exhaust		104.65 (4.1201)
	Free length			mm (in)	47.32 (1.863)
Valve spring	Tension/spring height	N (kı	gf, lb)/mm (in)	Set	205 — 235 (20.90 — 23.96, 46.09 — 52.84)/36.0 (1.417)
valve spring	Tension/spring neight	14 (15)	gi, i <i>o)</i> ///////	Lift	426 — 490 (43.44 — 49.96, 95.78 — 110.17)/26.5 (1.043)
	Squareness			T	2.5°, 2.1 mm (0.083 in) or less
	Outer diameter		mm (in)	Standard	34.959 — 34.975 (1.3763 — 1.3770)
Valve lifter	Inner diameter of valve lifter n	nating surf	ace mm (in)	Standard	34.994 — 35.016 (1.3777 — 1.3786)
	Clearance between valve lifte lifter mating surface	r and valve	e mm (in)	Standard	0.019 — 0.057 (0.0007 — 0.0022)
	Warping limit (Mating surface with cylinder	head)		mm (in)	0.025 (0.0098)
	Grinding limit			mm (in)	0.1 (0.004)
Outline of our	Standard height			mm (in)	201.0 (7.91)
Cylinder block	Taper		mm (in)	Standard	0.015 (0.0006)
DIOON	Out-of-roundness		mm (in)	Standard	0.010 (0.0004)
	Cylinder to piston clearance a (68°F):	at 20°C	mm (in)	Standard	-0.010 — 0.010 (-0.00039 — 0.00039)
	Cylinder inner diameter boring	g limit (dia	meter)	mm (in)	To 100.005 (3.9372)

	Piston grade point			mm (in)	38.2 (1.50)
			Ot a made and	Α	99.505 — 99.515 (3.9175 — 3.9179)
Piston	Outon diamentan	<i>(</i> ,)	Standard	В	99.495 — 99.505 (3.9171 — 3.9175)
	Outer diameter	mm (in)	0.25 (0.0098) OS	99.745 — 99.765 (3.9270 — 3.9278)
			0.50 (0.0197) OS	99.995 — 100.015 (3.9368 — 3.9376)
	Degree of fit				Piston pin must be fitted into position with thumb at 20°C (68°F).
Piston pin	Clearance between piston pin hole a piston pin		mm (in)	Standard	0.004 — 0.008 (0.0002 — 0.0003)
			Top ring	Standard	0.20 — 0.25 (0.0079 — 0.0098)
	Piston ring gap	mm (in)	Second ring	Standard	0.37 — 0.52 (0.015 — 0.0203)
Piston ring		. ,	Oil ring	Standard	0.20 — 0.50 (0.0079 — 0.0197)
J	Clearance between piston		Top ring	Standard	0.040 — 0.080 (0.0016 — 0.0031)
	ring and piston ring groove	mm (in)	Second ring	Standard	0.030 — 0.070 (0.0012 — 0.0028)
	Bend or twist per 100 mm (3.9 length	94 in) in	mm (in)	Service limit	0.1 (0.0039)
0	Thrust clearance		mm (in)	Standard	0.070 — 0.330 (0.0028 — 0.0130)
Connecting rod and con-	Oil clearance		mm (in)	Standard	0.017 — 0.045 (0.0007 — 0.0018)
necting rod			Standard	ı	1.490 — 1.506 (0.0587 — 0.0593)
bearing	Bearing size		0.03 (0.0012) US	1.504 — 1.512 (0.0592 — 0.0595)
	(Thickness at center)	mm (in)	0.05 (0.0020) US		1.514 — 1.522 (0.0596 — 0.0599)
			0.25 (0.0098	<u> </u>	1.614 — 1.622 (0.0635 — 0.0639)
Bushing of small end	Clearance between piston pin	and bush			0 — 0.022 (0 — 0.0009)
	Bending limit			mm (in)	0.035 (0.0014)
		Out-of-ro	oundness	mm (in)	0.003 (0.0001)
	Crank pin	Cylindric	ality	mm (in)	0.004 (0.0002)
			limit (dia.)	mm (in)	To 51.750 (2.0374)
			oundness	mm (in)	0.005 (0.0002)
	Crank journal	Cylindric	ality	mm (in)	0.006 (0.0002)
	,		limit (dia.)	mm (in)	To 59.758 (2.3527)
			Standard	()	51.976 — 52.000 (2.0463 — 2.0472)
			0.03 (0.0013) US	51.954 — 51.970 (2.0454 — 2.0461)
	Crank pin outer diameter	mm (in)	0.05 (0.0020		51.934 — 51.950 (2.0447 — 2.0453)
			0.25 (0.0098		51.734 — 51.750 (2.0368 — 2.0374)
Crankshaft			Standard	<u>, </u>	59.984 — 60.008 (2.3616 — 2.3625)
and crank-			0.03 (0.0012) US	59.962 — 59.978 (2.3607 — 2.3613)
shaft bear-	Crank journal outer diameter	mm (in)	0.05 (0.0020		59.942 — 59.958 (2.3599 — 2.3605)
ing			0.25 (0.0098	<u></u>	59.742 — 59.758 (2.3520 — 2.3527)
			Standard	,	1.998 — 2.015 (0.0787 — 0.0793)
			0.03 (0.0012) US	2.017 — 2.020 (0.0794 — 0.0795)
		#1, #3	0.05 (0.0020		2.027 — 2.030 (0.0798 — 0.0799)
	Bearing size		0.25 (0.0098		2.127 — 2.130 (0.0837 — 0.0839)
	(Thickness at cen- mm (in)		Standard	,	2.000 — 2.017 (0.0787 — 0.0794)
	ter)	#2, #4,	0.03 (0.0012) US	2.019 — 2.022 (0.0795 — 0.0796)
		#5	0.05 (0.0020		2.029 — 2.032 (0.0799 — 0.0800)
			0.25 (0.0098		2.129 — 2.132 (0.0838 — 0.0839)
	Thrust clearance	I	mm (in)	Standard	0.030 — 0.115 (0.0012 — 0.0045)
	Oil clearance		mm (in)	†	0.010 — 0.030 (0.00039 — 0.0012)
	Oil Olourario		11111 (111)	Juliualu	0.010 0.000 (0.00003 — 0.0012)

B: COMPONENT

1. V-BELT



- (1) V-belt
- (2) Collector cover bracket
- (3) V-belt tensioner ASSY
- (4) Power steering pump bracket
- (5) Generator
- (6) Generator plate
- (7) A/C compressor bracket A

- (8) Idler pulley ASSY
- (9) Stopper rod RH
- (10) Stopper rod LH
- (11) A/C compressor
- (12) A/C compressor bracket B
- (13) Front cushion rubber

Tightening torque:N⋅m (kgf-m, ft-lb)

T1: 6.4 (0.7, 4.7)

T2: 20 (2.0, 14.8)

T3: 22 (2.2, 16.2)

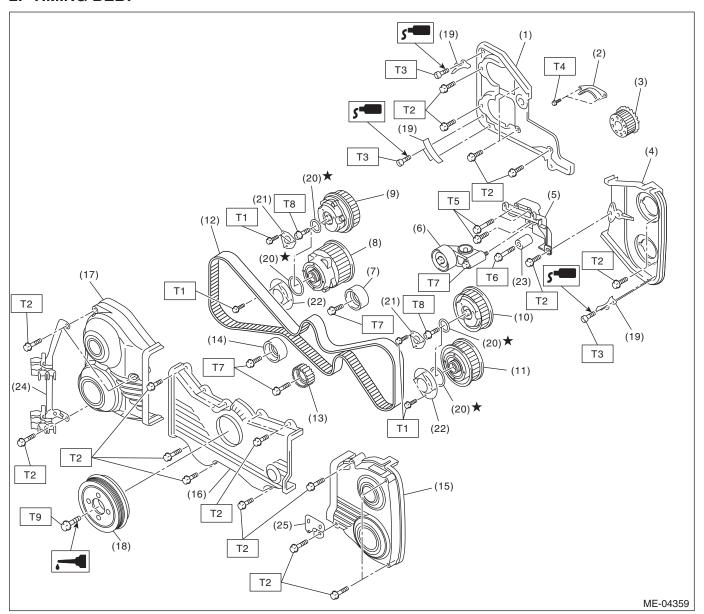
T4: 25 (2.5, 18.4)

T5: 26.5 (2.7, 19.5)

T6: 33 (3.4, 24.3)

T7: 36 (3.7, 26.6)

2. TIMING BELT



- (1) Timing belt cover No. 2 RH
- (2) Timing belt guide
- (3) Crank sprocket
- (4) Timing belt cover No. 2 LH
- (5) Tensioner bracket
- (6) Automatic belt tension adjuster ASSY
- (7) Belt idler
- (8) Exhaust cam sprocket RH
- (9) Intake cam sprocket RH
- (10) Intake cam sprocket LH
- (11) Exhaust cam sprocket LH
- (12) Timing belt

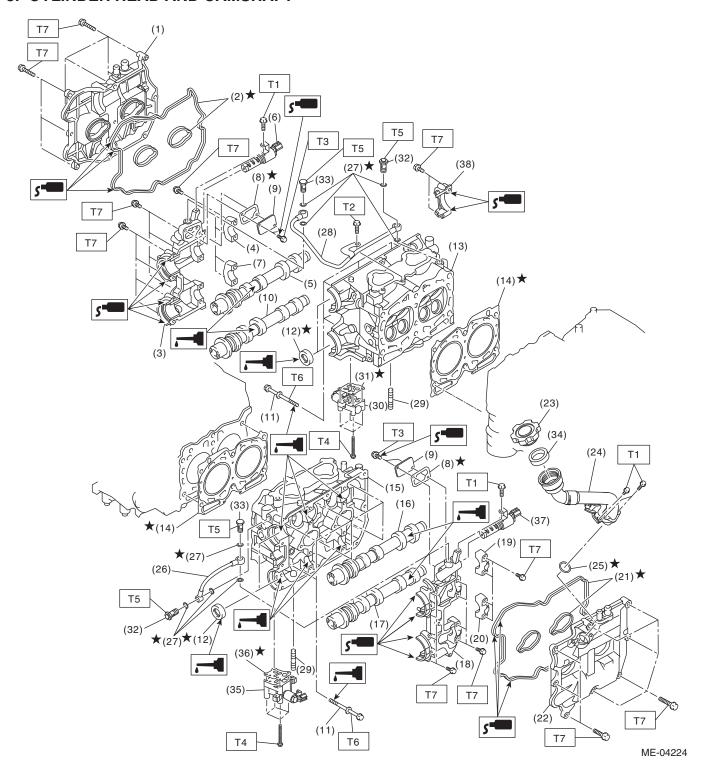
- (13) Belt idler No. 2
- (14) Belt idler
- (15) Timing belt cover LH
- (16) Front belt cover
- (17) Timing belt cover RH
- (18) Crank pulley
- (19) Timing belt guide
- (20) O-ring
- (21) Intake actuator cover
- (22) Exhaust actuator cover
- (23) Belt idler
- (24) Hose clip stay ASSY

(25) Oxygen sensor bracket

Tightening torque:N·m (kgf-m, ft-lb)

- T1: 3.4 (0.3, 2.5)
- T2: 5 (0.5, 3.7)
- T3: 6.4 (0.7, 4.7)
- T4: 9.75 (1.0, 7.2)
- T5: 24.5 (2.5, 18.1)
- T6: 25 (2.5, 18.4)
- T7: 39 (4.0, 28.8)
- T8: <Ref. to ME(H4DOTC)-60, INSTALLATION, Cam Sprocket.>
- T9: <Ref. to ME(H4DOTC)-44, INSTALLATION, Crank Pulley.>

3. CYLINDER HEAD AND CAMSHAFT

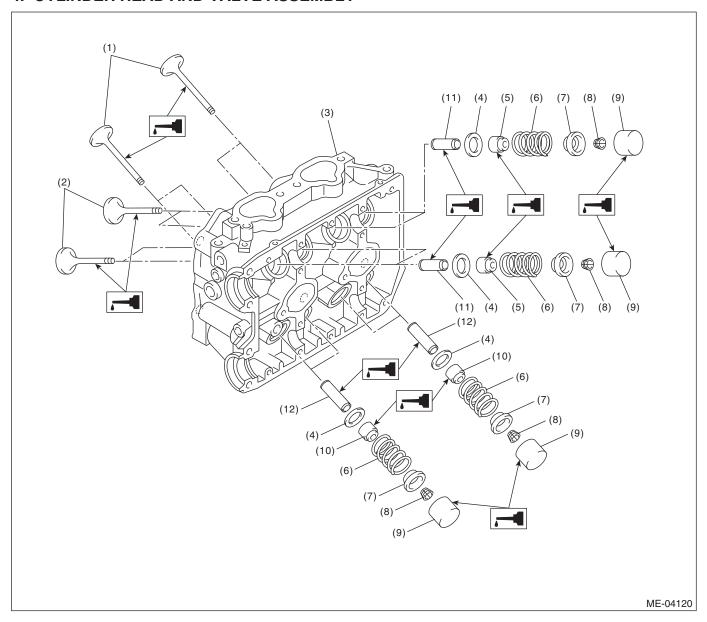


General Description

MECHANICAL

(1)	Rocker cover RH	(17)	Exhaust camshaft LH	(33)	Union bolt without filter (without protrusion)
(2)	Rocker cover gasket RH	(18)	Front camshaft cap LH	(34)	Gasket
(3)	Front camshaft cap RH	(19)	Intake camshaft cap LH	(35)	Exhaust oil flow control solenoid valve LH
(4)	Intake camshaft cap RH	(20)	Exhaust camshaft cap LH	(36)	Gasket (LH)
(5)	Intake camshaft RH	(21)	Rocker cover gasket LH	(37)	Intake oil flow control solenoid valve LH
(6)	Intake oil flow control solenoid valve RH	(22)	Rocker cover LH (38) Rear camshaft c		Rear camshaft cap
(7)	Exhaust camshaft cap RH	(23)	Oil filler cap		
(8)	Gasket	(24)	Oil filler duct	Tight	ening torque:N⋅m (kgf-m, ft-lb)
(9)	Oil return cover	(25)	O-ring	T1:	6.4 (0.7, 4.7)
(9) (10)	Oil return cover Exhaust camshaft RH	(25) (26)	O-ring Oil pipe LH		6.4 (0.7, 4.7) 8 (0.8, 5.9)
			-	T2:	
(10)	Exhaust camshaft RH	(26)	Oil pipe LH	T2: T3:	8 (0.8, 5.9)
(10) (11)	Exhaust camshaft RH Cylinder head bolt	(26) (27)	Oil pipe LH Gasket	T2: T3: T4:	8 (0.8, 5.9) 9 (0.9, 6.6)
(10) (11) (12)	Exhaust camshaft RH Cylinder head bolt Oil seal	(26) (27) (28)	Oil pipe LH Gasket Oil pipe RH	T2: T3: T4: T5:	8 (0.8, 5.9) 9 (0.9, 6.6) 10 (1.0, 7.4)
(10) (11) (12) (13)	Exhaust camshaft RH Cylinder head bolt Oil seal Cylinder head RH	(26) (27) (28) (29)	Oil pipe LH Gasket Oil pipe RH Stud bolt Exhaust oil flow control solenoid	T2: T3: T4: T5: T6:	8 (0.8, 5.9) 9 (0.9, 6.6) 10 (1.0, 7.4) 29 (3.0, 21.4) <ref. me(h4dotc)-73,<br="" to="">INSTALLATION, Cylinder</ref.>

4. CYLINDER HEAD AND VALVE ASSEMBLY

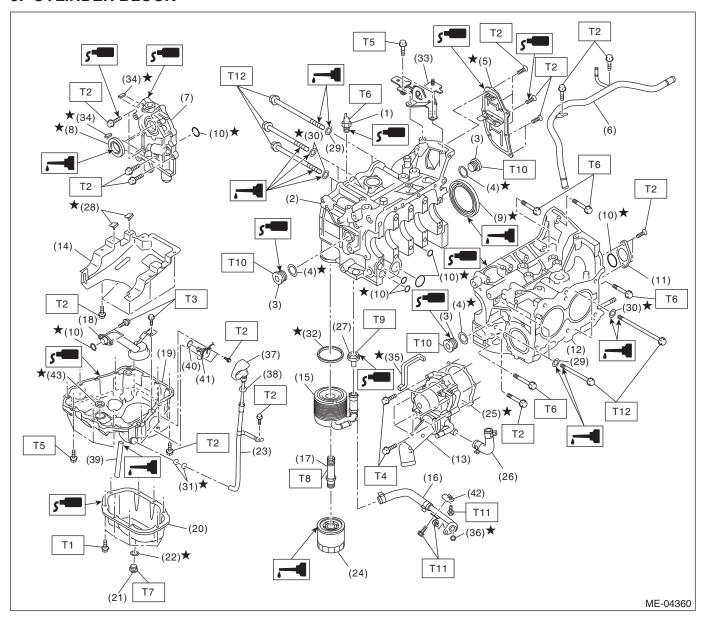


- (1) Exhaust valve
- (2) Intake valve
- (3) Cylinder head
- (4) Valve spring seat

- (5) Intake valve oil seal
- (6) Valve spring
- (7) Retainer
- (8) Retainer key

- (9) Valve lifter
- (10) Exhaust valve oil seal
- (11) Intake valve guide
- (12) Exhaust valve guide

5. CYLINDER BLOCK

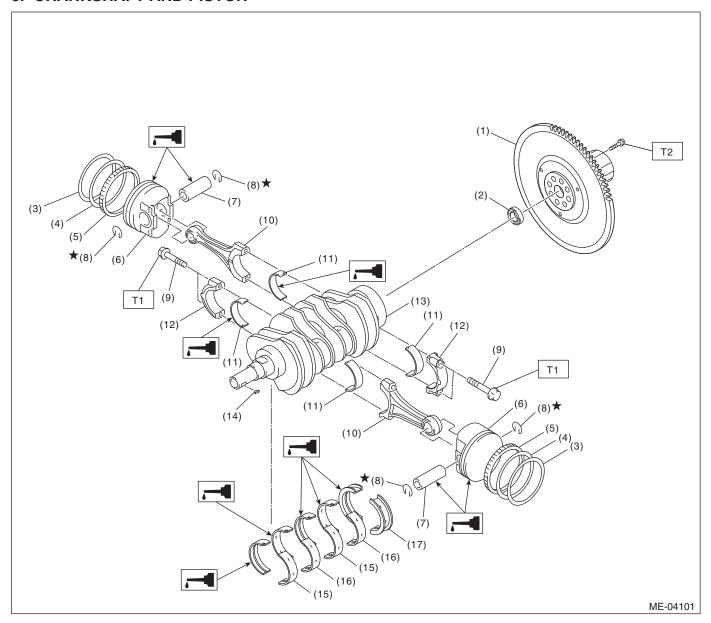


(1)	Oil pressure switch	(21)	Drain plug (41) Oil level switch		Oil level switch
(2)	Cylinder block RH	(22)	Drain plug gasket (42) Oil cooler pipe stay		Oil cooler pipe stay
(3)	Service hole plug	(23)	Oil level gauge guide	(43)	O-ring
(4)	Gasket	(24)	Oil filter		
(5)	Oil separator cover	(25)	Gasket	Tighte	ening torque:N·m (kgf-m, ft-lb)
(6)	Water by-pass pipe	(26)	Water pump hose	T1:	5 (0.5, 3.7)
(7)	Oil pump	(27)	Nipple	T2:	6.4 (0.7, 4.7)
(8)	Front oil seal	(28)	Seal	T3:	10 (1.0, 7.4)
(9)	Rear oil seal	(29)	Washer	T4:	First 12 (1.2, 8.9)
(10)	O-ring	(30)	Seal washer Second 12 (1.2, 8.9)		Second 12 (1.2, 8.9)
(11)	Service hole cover	(31)	O-ring <i>T5:</i> 16 (1.6, 11.8)		16 (1.6, 11.8)
(12)	Cylinder block LH	(32)	Gasket <i>T6: 25 (2.5, 18.4)</i>		25 (2.5, 18.4)
(13)	Water pump	(33)	Engine rear hanger	T7:	41.7 (4.3, 30.8)
(14)	Baffle plate	(34)	Oil pump seal	T8:	54 (5.5, 39.8)
(15)	Oil cooler	(35)	Water pump sealing	T9:	69 (7.0, 50.9)
(16)	Oil cooler pipe	(36)	O-ring	T10:	70 (7.1, 51.6)
(17)	Connector	(37)	Oil level gauge	T11:	<ref. instal-<br="" lu(h4so)-26,="" to="">LATION, Engine Oil Cooler.></ref.>
(18)	Oil strainer	(38)	O-ring T12: <ref. me(h4dotc)-<="" td="" to=""><td>INSTALLATION, Cylinder</td></ref.>		INSTALLATION, Cylinder
(19)	Cylinder block lower	(39)	Oil drain pipe		

(40) O-ring

(20) Oil pan

6. CRANKSHAFT AND PISTON



- (1) Flywheel
- (2) Ball bearing
- (3) Top ring
- (4) Second ring
- (5) Oil ring
- (6) Piston
- (7) Piston pin

- (8) Snap ring
- (9) Connecting rod bolt
- (10) Connecting rod
- (11) Connecting rod bearing
- (12) Connecting rod cap
- (13) Crankshaft
- (14) Woodruff key

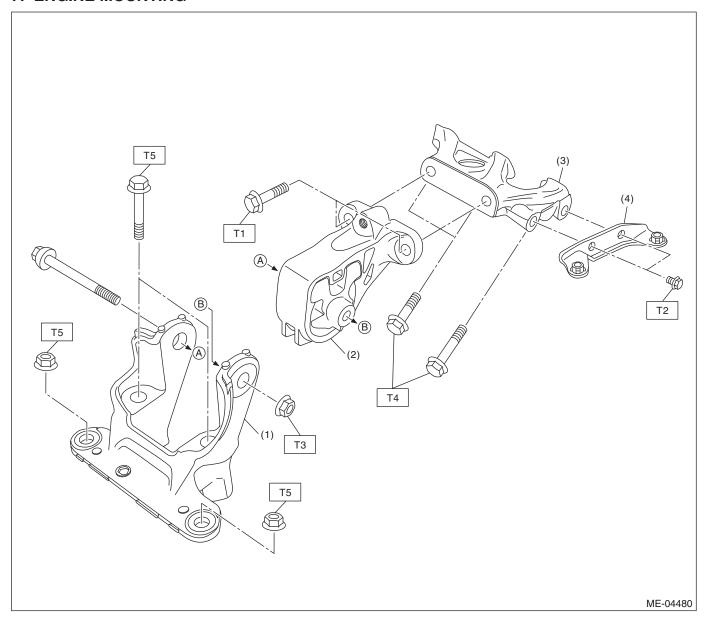
- (15) Crankshaft bearing #1, #3
- (16) Crankshaft bearing #2, #4
- (17) Crankshaft bearing #5

Tightening torque:N·m (kgf-m, ft-lb)

T1: 52 (5.3, 38.4)

T2: <Ref. to CL-14, INSTALLATION, Flywheel.>

7. ENGINE MOUNTING



- (1) Front mounting bracket
- (2) Front cushion rubber
- (3) Engine mounting bracket
- (4) Turbocharger upper stay

Tightening torque:N·m (kgf-m, ft-lb)

T1: 25 (2.5, 18.4)

T2: 33 (3.4, 24.3)

T3: 45 (4.6, 33.2)

T4: 58 (5.9, 42.8)

T5: 60 (6.1, 44.3)

C: CAUTION

- Wear appropriate work clothing, including a cap, protective goggles and protective shoes when performing any work.
- Remove contamination including dirt and corrosion before removal, installation or disassembly.
- Keep the disassembled parts in order and protect them from dust and dirt.
- Before removal, installation or disassembly, be sure to clarify the failure. Avoid unnecessary removal, installation, disassembly and replacement.
- Vehicle components are extremely hot after driving. Be wary of receiving burns from heated parts.
- Be sure to tighten fasteners including bolts and nuts to the specified torque.
- Place shop jacks or rigid racks at the specified points.
- Before disconnecting connectors of sensors or units, be sure to disconnect the ground cable from the battery.
- All parts should be thoroughly cleaned, paying special attention to engine oil passages, pistons and bearings.
- Rotating parts and sliding parts such as piston, bearing and gear should be coated with oil prior to assembly.
- Be careful not to let oil, grease or engine coolant contact the timing belt, clutch disc and flywheel.
- All removed parts, if to be reused, should be reinstalled in the original positions and directions.
- Bolts, nuts and washers should be replaced with new parts as required.
- Even if necessary inspections have been made in advance, proceed with assembly work while making rechecks.
- Remove or install the engine in an area where chain hoists, lifting devices, etc. are available for ready use.
- Be sure not to damage coated surfaces of body panels with tools, or not to stain seats and windows with coolant or oil. Place a cover over fender, as required, for protection.
- Prior to starting work, prepare the following: Service tools, clean cloth, containers to catch coolant and oil, wire ropes, chain hoist, transmission jacks, etc.
- Lift up or lower the vehicle when necessary. Make sure to support the correct positions.

D: PREPARATION TOOL

1. SPECIAL TOOL

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
ST-498267600	498267600	CYLINDER HEAD TABLE	Used for replacing valve guides. Used for removing and installing valve spring.
ST-498457000	498457000	ENGINE STAND ADAPTER RH	Used together with ENGINE STAND (499817100).
ST-498457100	498457100	ENGINE STAND ADAPTER LH	Used together with ENGINE STAND (499817100).
ST-498497100	498497100	CRANKSHAFT STOPPER	Used for removing and installing flywheel.

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
12 1911	498747300	PISTON GUIDE	Used for installing piston to cylinder.
ST-498747300	498857100	VALVE OIL SEAL	Llead for proce fitting of intake and exhaust
	49005/100	GUIDE	Used for press-fitting of intake and exhaust valve guide oil seals.
ST-498857100			
ST 400017100	499017100	PISTON PIN GUIDE	Used for installing piston pin, piston and connecting rod.
ST-499017100	499037100	CONNECTING ROD	Used for removing and installing connecting rod
ST-499037100		BUSHING REMOVER AND INSTALLER	bushing.
ST-499587100	499587100	OIL SEAL INSTALLER	Used for installing oil pump oil seal.

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
ST-499587200	499587200	CRANKSHAFT OIL SEAL INSTALLER	Used for installing crankshaft oil seal. Used together with CRANKSHAFT OIL SEAL GUIDE (499597100).
5	499587600	OIL SEAL	Used for installing the camshaft oil seal.
		INSTALLER	
ST-499587600	499597100	CRANKSHAFT OIL	Used for installing crankshaft oil seal.
ST-499597100		SEAL GUIDE	Used together with CRANKSHAFT OIL SEAL INSTALLER (499587200).
	499597200	OIL SEAL GUIDE	Used for installing the camshaft oil seal. Used together with OIL SEAL INSTALLER.
ST-499597200			Used together with OIL SEAL INSTALLER (499587600).
	499718000	VALVE SPRING REMOVER	Used for removing and installing valve spring.
ST-499718000		REMOVER	

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
ILLOSTRATION	499767200	VALVE GUIDE	Used for removing valve guides.
		REMOVER	3 4 3 3
ST-499767200	400707400	VALVE CLUDE	Head for recognic and the special co
	499767400	VALVE GUIDE REAMER	Used for reaming valve guides.
7			
ST-499767400			
	499817100	ENGINE STAND	Used for disassembling and assembling
A			engine. • Used together with ENGINE STAND
			ADAPTER RH (498457000) & LH (498457100).
ST-499817100			
	499977100	CRANK PULLEY	Used for removing and installing the crank pul-
		WRENCH	ley.
ST-499977100			
31-433311100	499977500	CAM SPROCKET	Used for removing and installing intake cam
		WRENCH	sprocket and exhaust cam sprocket.
ST-499977500			

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
-	499987500	CRANKSHAFT	Used for rotating crankshaft.
		SOCKET	
ST-499987500	1005144000	VALVE OUIDE	Lie of facilitate Book Book and and and an about
	18251AA020	VALVE GUIDE ADJUSTER	Used for installing intake and exhaust valve guides.
ST18251AA020			
	499097700	PISTON PIN	Used for removing piston pin.
		REMOVER ASSY	
ST-499097700	18353AA000	CLAMP PLIERS	Used for removing and installing the PCV
	TOOOGAAUUU	OLAWII FLIERS	hose.
			This tool is made by the French company CAILLAU. (code) 54.0.000.205
			To make it easier to obtain, it has been provided
			with a tool number.
ST18353AA000			
	18371AA000	CONNECTOR	Used for disconnecting the quick connector on
		REMOVER	the fuel return hose of the engine compartment (intake manifold).
ST18371AA000			

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
	18854AA000	ANGLE GAUGE	Used for installing the crank pulley.
ST18854AA000			
	42099AE000	QUICK CONNECTOR RELEASE	Used for disconnecting quick connector of the engine compartment.
ST42099AE000			
	1B022XU0	SUBARU SELECT MONITOR III KIT	Used for each inspection.
ST1B022XU0			

2. GENERAL TOOL

TOOL NAME	REMARKS
Compression gauge	Used for measuring compression.
Timing light	Used for measuring ignition timing.
Vacuum gauge	Used for measuring intake manifold vacuum.
Oil pressure gauge	Used for measuring engine oil pressure.
Fuel pressure gauge	Used for measuring fuel pressure.