1. General Description

A: SPECIFICATION

	Model			2.5 L		
	Cylinder arrangement	t			Horizontally opposed, liquid cooled, 4-cylinder, 4-stroke gasoline engine	
	Valve system mechan	nism		Belt driven, double overhead camshaft, 4-valve/cylinder		
	Bore × Stroke			99.5 × 79.0 (3.92 × 3.11)	
	Piston displacement		С	m ³ (cu in)	2,457 (1	149.94)
	Compression ratio				8.	4
	Compression pressur	e (at 350 rpm)	kPa (kg	f/cm ² , psi)	981 — 1,177 (10 -	— 12, 142 — 171)
	Number of piston ring	IS			Pressure ring:	: 2, Oil ring: 1
		Open	Max.retard		5° A7	TDC
	Intake valve timing	Ореп	Min. advance		35° B	TDC
	intake valve timing	Close	Max.retard		65° ABDC	
		Close	Min. advance		25° ABDC	
Engine	Exhaust valve timing Open				55° BBDC	
	Litiaust valve tilling			5° ATDC		
	Valve clearance Intake		mm (in)		0.20±0.02 (0.0079±0.0008)	
	valve clearance	Exhaust	mm (in)		0.35±0.02 (0.0138±0.0008)	
				No Load	MT: 70 AT: 70	
	Idle speed [At neutral position on MT, or "P" or "N" range on AT]		rpm	A/O ON	A/C refrigerant pressure is low	MT: 725±100 AT: 750±100
				A/C ON	A/C refrigerant pressure is high	MT: 800±100 AT: 825±100
	Ignition order				$1 \rightarrow 3 \rightarrow 2 \rightarrow 4$	
	Ignition timing		DTDC/vv	MT Model	17°±10)°/700
	Ignition timing		BTDC/rpm	AT Model	17°±10	0°/700

NOTE:

OS: Oversize US: Undersize

Belt tension adjuster	Protrusion of adjuster rod		5.2 — 6.2 mm (0.204 — 0.244 in)
	Spacer O.D.		17.955 — 17.975 mm (0.7069 — 0.7077 in)
	Tensioner bushing I.D.		18.0 — 18.08 mm (0.7087 — 0.7118 in)
Belt	Clearance between spacer and bushing	Standard	0.025 — 0.125 mm (0.0010 — 0.0049 in)
tensioner		Limit	0.175 mm (0.069 in)
	0.1	Standard	0.2 — 0.55 mm (0.0079 — 0.0217 in)
	Side clearance of spacer	Limit	0.81 mm (0.0319 in)

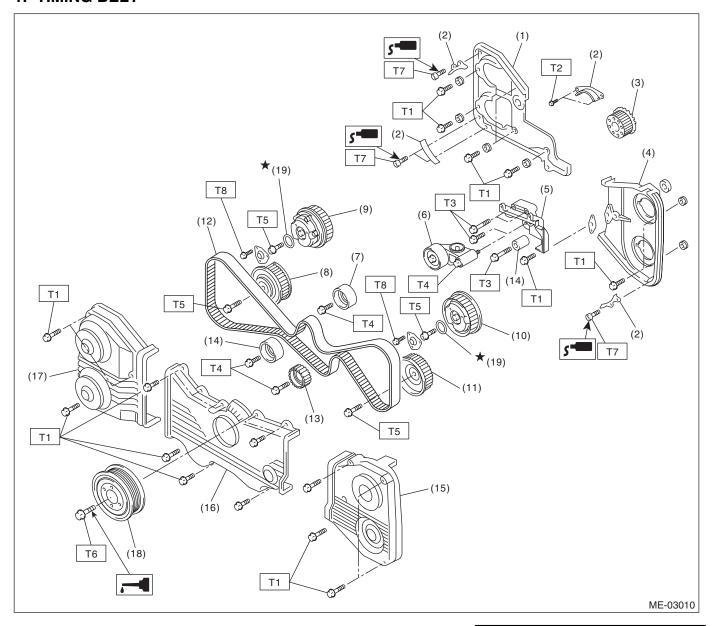
	Bend limit			0.020 mm (0.0079 in)
	Standard			0.068 — 0.116 mm (0.0027 — 0.0046 in)
	Thrust clearance		Limit	0.14 mm (0.0055 in)
Camshaft			Standard	46.55 — 46.65 mm (1.833 — 1.837 in)
		Intake	Limit	46.45 mm (1.829 in)
	Cam lobe height		Standard	46.75 — 46.85 mm (1.841 — 1.844 in)
		Exhaust	Limit	46.65 mm (1.837 in)
			Front	37.946 — 37.963 mm (1.4939 — 1.4946 in)
	Camshaft journal O.D.	Standard	Center rear	29.946 — 29.963 mm (1.1790 — 1.1796 in)
		-	Standard	0.037 — 0.072 mm (0.0015 — 0.0028 in)
	Oil clearance		Limit	0.10 mm (0.0039 in)
	Surface warpage limit		!	0.005 (0.0014 i)
Cylinder	(Mating surface with cylin	der block)		0.035 mm (0.0014 in)
head	Grinding limit			0.3 mm (0.012 in)
	Standard height			127.5 mm (5.02 in)
	Seating angle		_	90°
	Contacting width	Intake	Standard	0.6 — 1.4 mm (0.024 — 0.055 in)
Valve seat		intake	Limit	1.7 mm (0.067 in)
		Exhaust	Standard	1.2 — 1.8 mm (0.047 — 0.071 in)
	Exitadst		Limit	2.2 mm (0.087 in)
Valve guide	Inside diameter			6.000 — 6.012 mm (0.2362 — 0.2367 in)
valve galde	Protrusion above head			15.8 — 16.2 mm (0.622 — 0.638 in)
	Head edge thickness	Intake	Standard	1.0 — 1.4 mm (0.039 — 0.055 in)
			Limit	0.8 mm (0.031 in)
	Ticad cage trickiness	Exhaust	Standard	1.3 — 1.7 mm (0.051 — 0.067 in)
			Limit	0.8 mm (0.031 in)
	Stem outer diameter		Intake	5.955 — 5.970 mm (0.2344 — 0.2350 in)
Valve	Otern outer diameter		Exhaust	5.945 — 5.960 mm (0.2341 — 0.2346 in)
		Standard	Intake	0.030 — 0.057 mm (0.0012 — 0.0022 in)
	Valve stem gap	Otaridard	Exhaust	0.040 — 0.067 mm (0.0016 — 0.0026 in)
		Limit	_	0.15 mm (0.0059 in)
	Overall length		Intake	104.4 mm (4.110 in)
	Overall length		Exhaust	104.65 mm (4.120 in)
	Free length			47.32 mm (1.863 in)
	Squareness		1	2.5°, 2.1 mm (0.083 in) or less
Valve spring	Tanaian/anring haight		Set	205 — 235 N (20.9 — 24.0 kgf, 46.1 — 52.8 lb)/ 36.0 mm (1.417 in)
	Tension/spring height Lift		Lift	426 — 490 N (43.4 — 50.0 kgf, 95.8 — 110 lb)/ 26.50 mm (1.043 in)
	Outer diameter			34.959 — 34.975 mm (1.3763 — 1.3770 in)
Valva littar	Inner diameter (cylinder h	ead)		34.994 — 35.016 mm (1.3777 — 1.3786 in)
Valve lifter	Valva liftor classansa		Standard	0.019 — 0.057 mm (0.0007 — 0.0022 in)
	Valve lifter clearance		Limit	0.100 mm (0.0039 in)

	Surface warpage limit (Mating surface with cylind	der head)		0.025 mm (0.0098 in)
	Grinding limit	·		0.1 mm (0.004 in)
	Standard height			201.0 mm (7.91 in)
			Α	99.505 — 99.515 mm (3.9175 — 3.9179 in)
	Cylinder inner diameter	Standard	В	99.495 — 99.505 mm (3.9171 — 3.9175 in)
Cylinder	_	-	Standard	0.015 mm (0.0006 in)
block	Taper		Limit	0.050 mm (0.0020 in)
			Standard	0.010 mm (0.0004 in)
	Out-of-roundness		Limit	0.050 mm (0.0020 in)
			Standard	-0.010 — 0.010 mm (-0.0004 — 0.0004 in)
	Piston clearance		Limit	0.030 mm (0.0012 in)
	Cylinder inner boring limit	(diameter)		100.005 mm (3.9372 in)
	, ,		Α	99.505 — 99.515 mm (3.9175 — 3.9179 in)
		Standard	В	99.495 — 99.505 mm (3.9171 — 3.9175 in)
Piston	Outer diameter	0.25 mm (0	0.0098 in) OS	99.745 — 99.765 mm (3.9270 — 3.9278 in)
			0.0197 in) OS	99.995 — 100.015 mm (3.9368 — 3.9376 in)
	Standard clearance between	· ·	Standard	0.004 — 0.008 mm (0.0002 — 0.0003 in)
5	and piston pin	on ploton	Limit	0.020 mm (0.0008 in)
Piston pin	Degree of fit		-	Piston pin must be fitted into position with thumb at 20°C (68°F).
	Ring closed gap	I	Standard	0.20 — 0.25 mm (0.0079 — 0.0098 in)
		Top ring	Limit	1.0 mm (0.039 in)
		Second ring Oil ring	Standard	0.37 — 0.52 mm (0.015 — 0.020 in)
			Limit	1.0 mm (0.039 in)
			Standard	0.20 — 0.50 mm (0.0079 — 0.0197 in)
Piston ring			Limit	1.5 mm (0.059 in)
	Ring groove gap	Top ring Second	Standard	0.040 — 0.080 mm (0.0016 — 0.0031 in)
			Limit	0.15 mm (0.0059 in)
			Standard	0.030 — 0.070 mm (0.0012 — 0.0028 in)
		ring	Limit	0.15 mm (0.0059 in)
Connecting	Bend or twist per 100 mm length	(3.94 in) in	Limit	0.10 mm (0.0039 in)
rod			Standard	0.070 — 0.330 mm (0.0028 — 0.0130 in)
	Side clearance of large en	ıd	Limit	0.4 mm (0.016 in)
			Standard	0.017 — 0.045 mm (0.0007 — 0.0018 in)
	Oil clearance		Limit	0.05 mm (0.0020 in)
			Standard	1.490 — 1.502 mm (0.0587 — 0.0591 in)
Bearing of large end	Thickness at center portion		0.03 mm (0.0012 in) US	1.504 — 1.512 mm (0.0592 — 0.0595 in)
			0.05 mm (0.0020 in) US	1.514 — 1.522 mm (0.0596 — 0.0599 in)
			0.25 mm (0.0098 in) US	1.614 — 1.622 mm (0.0635 — 0.0639 in)
Bushing of	Clearance between piston	pin and	Standard	0 — 0.022 mm (0 — 0.0009 in)
small end	bushing		Limit	0.030 mm (0.0012 in)

	Bending limit			0.035 mm (0.0014 in)	
	Out-of-roundness			0.003 mm (0.0001 in)	
	Crank pin	Cylindricalit		0.004 mm (0.0002 in)	
	r r	Grinding lin	-	To 51.750 mm (2.0374 in)	
		Out-of-roun		0.005 mm (0.0002 in)	
	Crank journal	Cylindricalit		0.006 mm (0.0002 in)	
	oranii journai	Grinding limit (dia.)		To 59.758 mm (2.3527 in)	
		Grinding iii	Standard	51.984 — 52.000 mm (2.0466 — 2.0472 in)	
			0.03 mm (0.0012 in) US	51.954 — 51.970 mm (2.0454 — 2.0461 in)	
	Crank pin outer diameter		0.05 mm (0.0020 in) US	51.934 — 51.950 mm (2.0447 — 2.0453 in)	
Crankshaft			0.25 mm (0.0098 in) US	51.734 — 51.750 mm (2.0368 — 2.0374 in)	
			Standard	59.992 — 60.008 mm (2.3619 — 2.3625 in)	
			0.03 mm (0.0012 in) US	59.962 — 59.978 mm (2.3607 — 2.3613 in)	
	Crank journal outer diameter		0.05 mm (0.0020 in) US	59.942 — 59.958 mm (2.3599 — 2.3605 in)	
			0.25 mm (0.0098 in) US	59.742 — 59.758 mm (2.3520 — 2.3527 in)	
	Thrust clearance		Standard	0.030 — 0.115 mm (0.0012 — 0.0045 in)	
	Thrust clearance		Limit	0.25 mm (0.0098 in)	
	Oil alcoronce		Standard	0.010 — 0.030 mm (0.0004 — 0.0012 in)	
	Oil clearance		Limit	0.040 mm (0.0016 in)	
			Standard	1.998 — 2.011 mm (0.0787 — 0.0792 in)	
			0.03 mm (0.0012 in) US	2.017 — 2.020 mm (0.0794 — 0.0795 in)	
		#1, #3	0.05 mm (0.0020 in) US	2.027 — 2.030 mm (0.0798 — 0.0799 in)	
Main	Thickness of main		0.25 mm (0.0098 in) US	2.127 — 2.130 mm (0.0837 — 0.0839 in)	
bearing	bearing		Standard	2.000 — 2.013 mm (0.0787 — 0.0793 in)	
	#		0.03 mm (0.0012 in) US	2.019 — 2.022 mm (0.0795 — 0.0796 in)	
		#2, #4, #5	0.05 mm (0.0020 in) US	2.029 — 2.032 mm (0.0799 — 0.0800 in)	
			0.25 mm (0.0098 in) US	2.129 — 2.132 mm (0.0838 — 0.0839 in)	

B: COMPONENT

1. TIMING BELT



- (1) Timing belt cover No. 2 (RH)
- (2) Timing belt guide (MT model)
- (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) O-ring

Tightening torque:N·m (kgf-m, ft-lb)

T1: 5 (0.5, 3.6)

T2: 9.75 (1.0, 7.2)

T3: 24.5 (2.5, 18.1)

T4: 39 (4.0, 28.9)

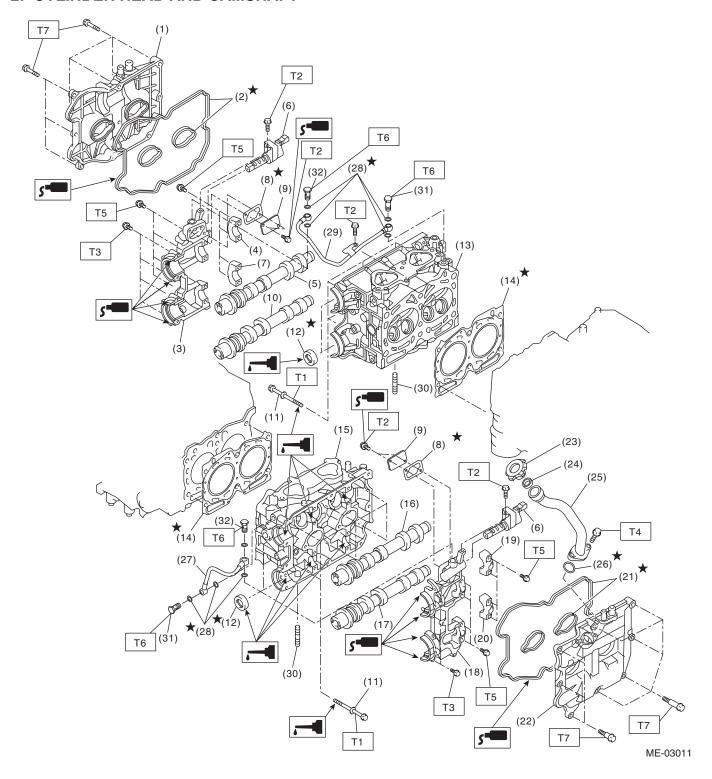
T5: <Ref. to ME(H4DOTC)-52, INSTALLATION, Cam Sprocket.>

T6: <Ref. to ME(H4DOTC)-42, INSTALLATION, Crank Pulley.>

T7: 6.4 (0.65, 4.7)

T8: 3.4 (0.35, 2.5)

2. CYLINDER HEAD AND CAMSHAFT



General Description

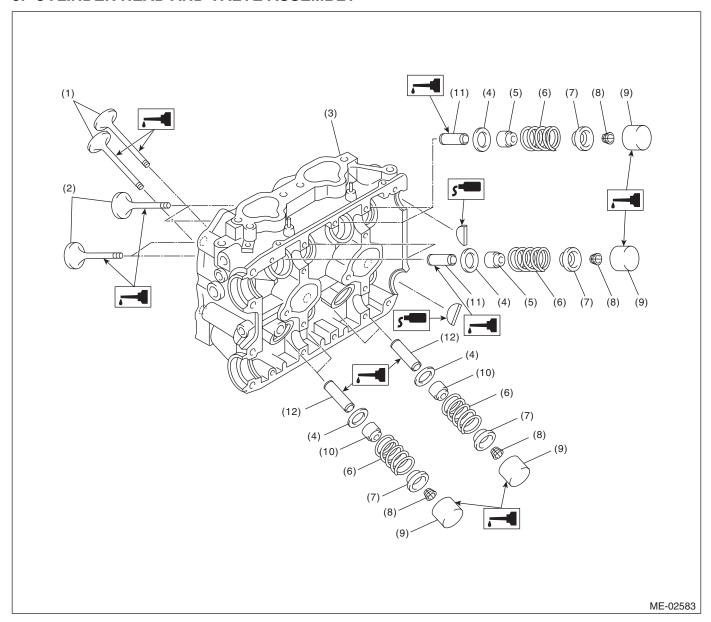
MECHANICAL

(16) Intake camshaft (LH)

(1)	Rocker cover (RH)	(17)	Exhaust camshaft (LH)		Union screw without filter (Without
(2)	Rocker cover gasket (RH)	(18)	Camshaft cap (Front LH)		protrusion)
(3)	Camshaft cap (Front RH)	(19)	Intake camshaft cap (Rear LH)		
(4)	Intake camshaft cap (Rear RH)	(20)	Exhaust camshaft cap (Rear LH)	Tight	ening torque:N·m (kgf-m, ft-lb)
(5)	Intake camshaft (RH)	(21)	Rocker cover gasket (LH)	T1:	<ref. me(h4dotc)-60,<="" td="" to=""></ref.>
(6)	Oil flow control solenoid valve	(22)	Rocker cover (LH)		INSTALLATION, Cylinder
(7)	Exhaust camshaft cap (Rear RH)	(23)	Oil filler cap		Head.>
(8)	Gasket	(24)	Gasket	T2:	8 (0.8, 5.9)
(9)	Oil return cover	(25)	Oil filler duct	T3:	9.75 (1.0, 7.2)
(10)	Exhaust camshaft (RH)	(26)	O-ring	T4:	6.4 (0.65, 4.7)
(11)	Cylinder head bolt	(27)	Oil pipe (LH)	T5:	20 (2.0, 14.5)
(12)	Oil seal	(28)	Gasket	T6:	29 (3.0, 21.4)
(13)	Cylinder head (RH)	(29)	Oil pipe (RH)	T7:	<ref. me(h4dotc)-55,<="" td="" to=""></ref.>
(14)	Cylinder head gasket	(30)	Stud bolt		INSTALLATION, Camshaft.>
(15)	Cylinder head (LH)	(31)	Union screw with filter (With pro-		

trusion)

3. CYLINDER HEAD AND VALVE ASSEMBLY

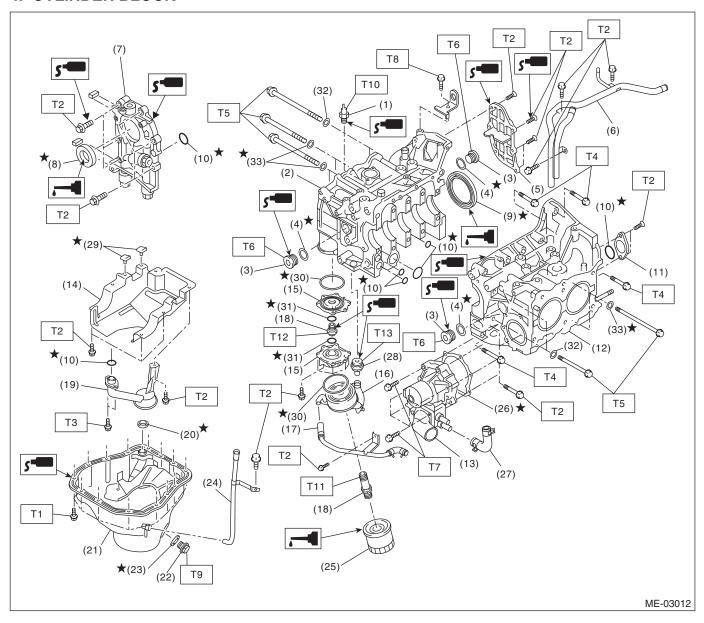


- (1) Exhaust valve
- (2) Intake valve
- (3) Cylinder head
- (4) Valve spring seat

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

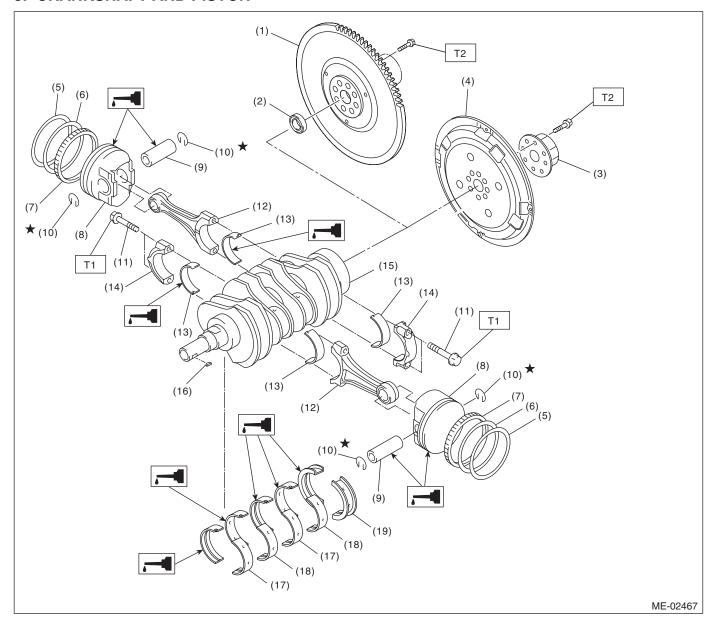
- (9) Valve lifter
- (10) Exhaust valve oil seal
- (11) Intake valve guide
- (12) Exhaust valve guide

4. CYLINDER BLOCK



(1)	Oil pressure switch	(18)	Connector	Tight	ening torque:N·m (kgf-m, ft-lb)
(2)	Cylinder block (RH)	(19)	Oil strainer	T1:	5 (0.5, 3.6)
(3)	Service hole plug	(20)	Gasket	T2:	6.4 (0.65, 4.7)
(4)	Gasket	(21)	Oil pan	Т3:	10 (1.0, 7.2)
(5)	Oil separator cover	(22)	Drain plug	T4:	25 (2.5, 18.1)
(6)	Water by-pass pipe	(23)	Metal gasket	T5:	<ref. me(h4dotc)-71,<="" td="" to=""></ref.>
(7)	Oil pump	(24)	Oil level gauge guide		INSTALLATION, Cylinder
(8)	Front oil seal	(25)	Oil filter		Block.>
(9)	Rear oil seal	(26)	Gasket	T6:	70 (7.1, 50.6)
(10)	O-ring	(27)	Water pump hose	T7:	First 12 (1.2, 8.7)
(11)	Service hole cover	(28)	Plug		Second 12 (1.2, 8.7)
(12)	Cylinder block (LH)	(29)	Seal	T8:	16 (1.6, 11.6)
(13)	Water pump	(30)	Gasket	T9:	44 (4.5, 33)
(14)	Baffle plate	(31)	O-ring	T10:	25 (2.5, 18.1)
(15)	Adapter	(32)	Washer	T11:	54 (5.3, 39)
(16)	Oil cooler	(33)	Seal washer	T12:	45 (4.6, 33)
(17)	Water by-pass pipe			T13:	69 (7.0, 50.9)

5. CRANKSHAFT AND PISTON



- (1) Flywheel (MT model)
- (2) Ball bearing (MT model)
- (3) Reinforcement (AT model)
- (4) Drive plate (AT model)
- (5) Top ring
- (6) Second ring
- (7) Oil ring
- (8) Piston

- (9) Piston pin
- (10) Snap ring
- (11) Connecting rod bolt
- (12) Connecting rod
- (13) Connecting rod bearing
- (14) Connecting rod cap
- (15) Crankshaft
- (16) Woodruff key

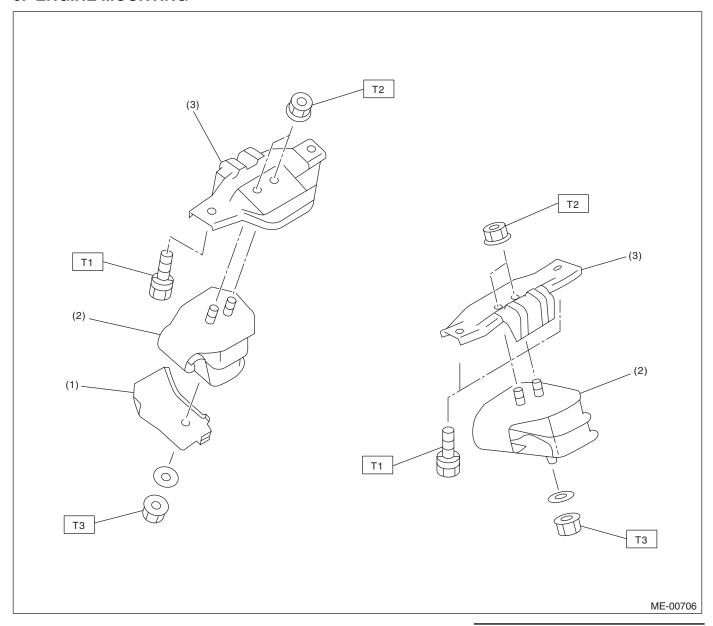
- (17) Crankshaft bearing #1, #3
- (18) Crankshaft bearing #2, #4
- (19) Crankshaft bearing #5

Tightening torque:N·m (kgf-m, ft-lb)

T1: 52 (5.3, 38.4)

T2: 72 (7.3, 52.8)

6. ENGINE MOUNTING



- (1) Heat shield cover
- (2) Front cushion rubber
- (3) Front engine mounting bracket

Tightening torque:N·m (kgf-m, ft-lb)

T1: 35 (3.6, 25.8)

T2: 42 (4.3, 30.9)

T3: 85 (8.7, 62.7)

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 electrical connectors of sensors or units, be sure to disconnect the ground cable from 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 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 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

ILLUCTO ATION	TOOL NUMBER	DECODIDITION	DEMARKO
ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
ST-498267600	498267600	CYLINDER HEAD TABLE	 Used for replacing valve guides. Used for removing and installing valve spring.
3	498457000	ENGINE STAND	Used together with ENGINE STAND
ST-498457000	430407000	ADAPTER RH	(499817100).
	498457100	ENGINE STAND	Used together with ENGINE STAND
		ADAPTER LH	(499817100).
ST-498457100			
Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	498497100	CRANKSHAFT STOPPER	Used for removing and installing the flywheel and the drive plate.
ST-498497100			

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
ILLOOTI II II ION	498747300	PISTON GUIDE	Used for installing piston in cylinder.
ST-498747300			(2.5 L model)
0.100.11000	498857100	VALVE OIL SEAL	Used for press-fitting of intake and exhaust valve
		GUIDE	guide oil seals.
ST-498857100	499017100	PISTON PIN GUIDE	Used for installing piston pin, piston and
ST-499017100			connecting rod.
	499037100	CONNECTING ROD	Used for removing and installing connecting rod
ST-499037100		BUSHING REMOVER AND INSTALLER	bushing.
	499097700	PISTON PIN	Used for removing piston pin.
ST-499097700		REMOVER ASSY	

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
	499207400	CAM SPROCKET	Used for removing and installing cam sprocket.
		WRENCH	(Exhaust side)
ST-499207400			
	499977500	CAM SPROCKET WRENCH	Used for removing and installing cam sprocket. (Intake side)
		WHENOT	(make side)
ST-499977500	499587200	CRANKSHAFT OIL	Used for installing crankshaft oil seal.
	499307200	SEAL INSTALLER	Used together with CRANKSHAFT OIL SEAL
			GUIDE (499597100).
ST-499587200			
31.33337	499597100	CRANKSHAFT OIL	Used for installing crankshaft oil seal.
		SEAL GUIDE	Used together with CRANKSHAFT OIL SEAL INSTALLER (499587200).
			,
ST-499597100			
	499718000	VALVE SPRING REMOVER	Used for removing and installing valve spring.
ST-499718000			

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
	18251AA020	VALVE GUIDE	Used for installing intake and exhaust valve
		ADJUSTER	guides.
ST18251AA020			
	499767200	VALVE GUIDE REMOVER	Used for removing valve guides.
		TILIVIOVEIT	
ST-499767200	499767400	VALVE GUIDE	Used for reaming valve guides.
	100707100	REAMER	Cood for roaming varve galace.
ST-499767400			
	499817100	ENGINE STAND	Stand used for engine disassembly and
1 9			assembly. • Used together with ENGINE STAND
			ADAPTER RH (498457000) & LH (498457100).
Ü			
ST-499817100	499977100	CRANK PULLEY	Lload for etopping rotation of graph pulley when
	4999//100	WRENCH	Used for stopping rotation of crank pulley when loosening/tightening crank pulley bolt.
ST-499977100			
31 100077 100		1	<u> </u>

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
ILLUGITUM TOTA	499987500	CRANKSHAFT	Used for rotating crankshaft.
		SOCKET	
ST-499987500			
	18332AA000	OIL FILTER	Used for removing and installing oil filter.
		WRENCH	(Outer diameter: 68 mm (2.68 in))
ST18332AA000			
	18332AA010	OIL FILTER WRENCH	Used for removing and installing oil filter. (Outer diameter: 65 mm (2.56 in))
		WILLIAM	(Catel diameter: 65 min (2.55 mi))
ST18332AA010	499587100	OIL SEAL	Used for installing oil pump oil seal.
	100007 100	INSTALLER	or a moraling on purity on seal.
ST-499587100			
31 10007 100	499587600	OIL SEAL	Used for installing camshaft oil seal for DOHC
		INSTALLER	engine.
ST-499587600			

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
	499597200	OIL SEAL GUIDE	Used for installing camshaft oil seal for DOHC engine. Used together with OIL SEAL INSTALLER (499587600).
ST-499597200	498277200	STOPPER SET	Used for installing automatic transmission
6	430211200	OTOTT ERTOLT	assembly to engine.
ST-498277200			
	1B020XU0	SUBARU SELECT MONITOR KIT	Used for troubleshooting the electrical system.
ST1B020XU0			
	42099AE000	CONNECTOR REMOVER	Used for removing the quick connector in engine compartment.
ST42099AE000			

2. GENERAL TOOL

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

E: PROCEDURE

It is possible to conduct the following service procedures with engine on the vehicle, however, the procedures described in this section are based on the condition that the engine is removed from the vehicle.

- V-belt
- Timing belt
- Camshaft
- Cylinder head