
ENGINE

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11109000832

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ENGINE <6G7>

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GENERAL INFORMATION

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Items		Specifications
Total displacement mL		2,972
Bore x Stroke mm		91.1 x 76.0
Compression ratio		9.0
Combustion chamber		Pentroof type
Camshaft arrangement		SOHC
Number of valve	Intake	12
	Exhaust	12
Valve timing	Intake	Opening BTDC 19°, Closing ABDC 45°
	Exhaust	Opening BBDC 49°, Closing ATDC 15°
Fuel system		Electronic control multipoint fuel injection
Rocker arm		Roller type
Auto-lash adjuster		Equipped

SERVICE SPECIFICATIONS

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Items			Standard value	Limit
Alternator drive belt tension	Vibration frequency Hz	When checked	At A: 197 – 241 At B: 133 – 164	–
		When a used belt is installed	At A: 209 – 231 At B: 142 – 157	–
		When a new belt is installed	At A: 279 – 311 At B: 189 – 211	–
	Tension N	When checked	At A: 392 – 588 At B: 392 – 588	–
		When a used belt is installed	At A: 441 – 539 At B: 441 – 539	–
		When a new belt is installed	At A: 784 – 980 At B: 784 – 980	–
	Deflection (Reference value) mm	When checked	At A: 6.5 – 9.0 At B: 9.0 – 12.5	–
		When a used belt is installed	At A: 7.0 – 8.5 At B: 10.0 – 12.0	–
		When a new belt is installed	At A: 4.0 – 5.5 At B: 6.0 – 7.5	–
Power steering oil pump drive belt tension	Vibration frequency Hz	When checked	90 – 117	–
		When a used belt is installed	98 – 111	–
		When a new belt is installed	117 – 138	–
	Tension N	When checked	294 – 490	–
		When a used belt is installed	343 – 441	–
		When a new belt is installed	490 – 686	–
	Deflection (Reference value) mm	When checked	13.0 – 17.0	–
		When a used belt is installed	14.0 – 16.0	–
		When a new belt is installed	11.0 – 13.0	–
A/C compressor drive belt tension	Vibration frequency Hz	When checked	207 – 232	–
		When a used belt is installed	207 – 232	–
		When a new belt is installed	243 – 264	–
	Tension N	When checked	392 – 490	–
		When a used belt is installed	392 – 490	–
		When a new belt is installed	539 – 637	–
	Deflection (Reference value) mm	When checked	5.6 – 6.4	–
		When a used belt is installed	5.6 – 6.4	–
		When a new belt is installed	4.3 – 5.1	–

Items	Standard value	Limit
Basic ignition timing mm	5° BTDC ± 3°	–
Ignition timing	Approx. 15° BTDC	–
Idle speed r/min	700 ± 100	–
CO contents %	0.5 or less	–
Compression pressure (at engine speed of 250 – 400 r/min) kPa	1,180	Min. 875
Compression pressure difference of all cylinder kPa	–	Max. 100
Intake manifold vacuum kPa	–	Min. 60
Auto tensioner rod depth (mm)	Within 1	–
Timing belt tension torque Nm	4.4	–
Auto tensioner rod protrusion amount mm	3.8 – 5.0	–

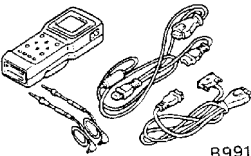
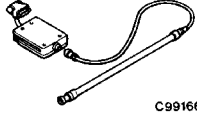
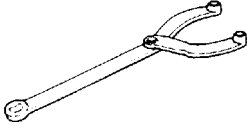
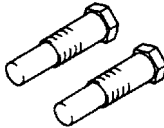
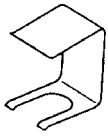
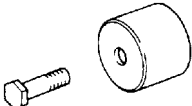
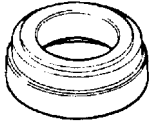
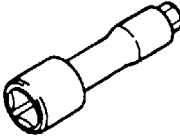
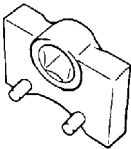
SEALANT

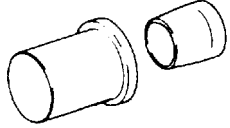

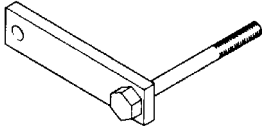
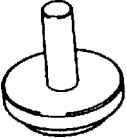
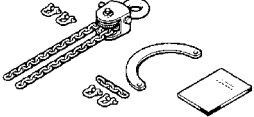
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Items	Specified sealant	Remarks
Oil pan	MITSUBISHI GENUINE PART MD970389 or equivalent	Semi-drying sealant

SPECIAL TOOLS

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Tool	Number	Name	Use
 <p>B991502</p>	MB991502	MUT-II sub assembly	<ul style="list-style-type: none"> ● Measuring drive belt tension ● Checking the ignition timing ● Checking the idle speed
 <p>C991668</p>	MB991668	Belt tension meter set	Measuring drive belt tension (used together with MUT-II)
	MB990767	End yoke holder	<ul style="list-style-type: none"> ● Supporting of crankshaft pulley ● Supporting of camshaft sprocket
	MD998715	Crankshaft pulley holder pin	
	MD998443	Auto-lash adjuster holder	Supporting of auto-lash adjuster
	MD998713	Camshaft oil seal installer	Press-in of the camshaft oil seal
	MB991559	Camshaft oil seal adapter	Press-fitting the camshaft oil seal (left bank side)
	MD998051	Cylinder head bolt wrench	Removal and installation of the cylinder head bolt
	MD998767	Tension pulley socket wrench	Timing belt tension adjustment

Tool	Number	Name	Use
	MD998717	Crankshaft front oil seal installer	Press-in of the crankshaft front oil seal
	MD998769	Crankshaft pulley spacer	Operating the crankshaft when installing the timing belt
	MD998781	Flywheel stopper	Securing the flywheel
	MD998718	Crankshaft rear oil seal installer	Press-fitting the crankshaft rear oil seal
 <p>B991683</p>	MB991683	Sling chain set	Removal and installation of engine assembly