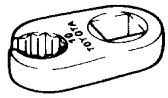
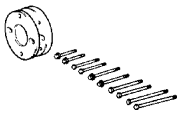
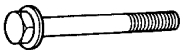
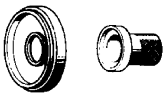
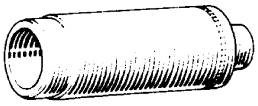
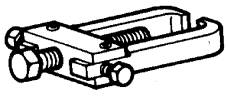
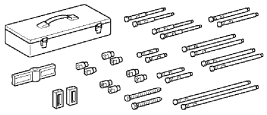
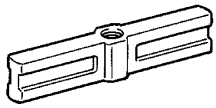
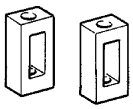
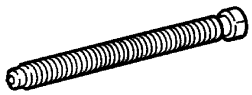
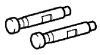
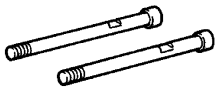
ENGINE MECHANICAL

PREPARATION

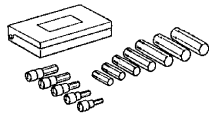
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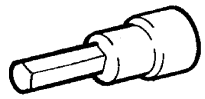
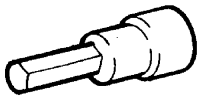
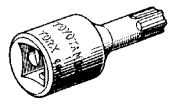
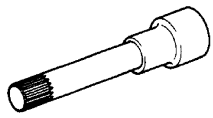
SST

	09023–12700	Union Nut Wrench 17mm	PARTIAL ENGINE ASSY(1GR–FE) CYLINDER HEAD GASKET(1GR–FE) CYLINDER HEAD GASKET NO.2(1GR–FE) CHAIN SUB–ASSY(1GR–FE) ENGINE REAR OIL SEAL(1GR–FE)
	09032–00100	Oil Pan Seal Cutter	CYLINDER HEAD GASKET(1GR–FE) CYLINDER HEAD GASKET NO.2(1GR–FE) CHAIN SUB–ASSY(1GR–FE)
	09213–54015	Crankshaft Pulley Holding Tool	CYLINDER HEAD GASKET(1GR–FE) CYLINDER HEAD GASKET NO.2(1GR–FE) CHAIN SUB–ASSY(1GR–FE) TIMING CHAIN COVER OIL SEAL(1GR–FE) ENGINE REAR OIL SEAL(1GR–FE)
	(91651–60855)	Bolt	CYLINDER HEAD GASKET(1GR–FE) CYLINDER HEAD GASKET NO.2(1GR–FE) CHAIN SUB–ASSY(1GR–FE) TIMING CHAIN COVER OIL SEAL(1GR–FE) ENGINE REAR OIL SEAL(1GR–FE)
	09223–78010	Crankshaft Oil Seal Replacer	ENGINE REAR OIL SEAL(1GR–FE)
	09226–10010	Crankshaft Front & Rear Bearing Replacer	CYLINDER HEAD GASKET(1GR–FE) CYLINDER HEAD GASKET NO.2(1GR–FE) CHAIN SUB–ASSY(1GR–FE) TIMING CHAIN COVER OIL SEAL(1GR–FE)
	09330–00021	Companion Flange Holding Tool	CYLINDER HEAD GASKET(1GR–FE) CYLINDER HEAD GASKET NO.2(1GR–FE) CHAIN SUB–ASSY(1GR–FE) TIMING CHAIN COVER OIL SEAL(1GR–FE) ENGINE REAR OIL SEAL(1GR–FE)
	09628–62011	Boll Joint Puller	CYLINDER HEAD GASKET(1GR–FE) CYLINDER HEAD GASKET NO.2(1GR–FE) CHAIN SUB–ASSY(1GR–FE)
	09843–18030	Tacho–pulse Pickup Wire No.2	ENGINE(1GR–FE) PARTIAL ENGINE ASSY(1GR–FE) CYLINDER HEAD GASKET(1GR–FE) CYLINDER HEAD GASKET NO.2(1GR–FE)

	09843–18040	Diagnosis Check Wire No.2	ENGINE(1GR–FE) PARTIAL ENGINE ASSY(1GR–FE) CYLINDER HEAD GASKET(1GR–FE) CYLINDER HEAD GASKET NO.2(1GR–FE) CHAIN SUB–ASSY(1GR–FE) VALVE CLEARANCE(1GR–FE) CAMSHAFT (RH BANK)(1GR–FE) CAMSHAFT (LH BANK)(1GR–FE)
	09950–50013	Puller C Set	CYLINDER HEAD GASKET(1GR–FE) CYLINDER HEAD GASKET NO.2(1GR–FE) CHAIN SUB–ASSY(1GR–FE) TIMING CHAIN COVER OIL SEAL(1GR–FE)
	(09951–05010)	Hanger 150	CYLINDER HEAD GASKET(1GR–FE) CYLINDER HEAD GASKET NO.2(1GR–FE) CHAIN SUB–ASSY(1GR–FE) TIMING CHAIN COVER OIL SEAL(1GR–FE)
	(09952–05010)	Slide Arm	CYLINDER HEAD GASKET(1GR–FE) CYLINDER HEAD GASKET NO.2(1GR–FE) CHAIN SUB–ASSY(1GR–FE) TIMING CHAIN COVER OIL SEAL(1GR–FE)
	(09953–05020)	Center Bolt 150	CYLINDER HEAD GASKET(1GR–FE) CYLINDER HEAD GASKET NO.2(1GR–FE) CHAIN SUB–ASSY(1GR–FE) TIMING CHAIN COVER OIL SEAL(1GR–FE)
	(09954–05021)	Claw No.2	CYLINDER HEAD GASKET(1GR–FE) CYLINDER HEAD GASKET NO.2(1GR–FE) CHAIN SUB–ASSY(1GR–FE)
	(09954–05030)	Claw No.3	CYLINDER HEAD GASKET(1GR–FE) CYLINDER HEAD GASKET NO.2(1GR–FE) CHAIN SUB–ASSY(1GR–FE) TIMING CHAIN COVER OIL SEAL(1GR–FE)

Recomended Tools

	09040–00011	Hexagon Wrench Set	PARTIAL ENGINE ASSY(1GR–FE) CYLINDER HEAD GASKET(1GR–FE) CYLINDER HEAD GASKET NO.2(1GR–FE) CHAIN SUB–ASSY(1GR–FE) VALVE CLEARANCE(1GR–FE) CAMSHAFT (RH BANK)(1GR–FE) CAMSHAFT (LH BANK)(1GR–FE)

	(09043–20080)	Socket Hexagon Wrench 8	PARTIAL ENGINE ASSY(1GR–FE) CYLINDER HEAD GASKET(1GR–FE) CYLINDER HEAD GASKET NO.2(1GR–FE) CHAIN SUB–ASSY(1GR–FE) VALVE CLEARANCE(1GR–FE) CAMSHAFT (RH BANK)(1GR–FE) CAMSHAFT (LH BANK)(1GR–FE)
	(09043–20100)	Socket Hexagon Wrench 10	CYLINDER HEAD GASKET(1GR–FE) CYLINDER HEAD GASKET NO.2(1GR–FE) CHAIN SUB–ASSY(1GR–FE)
	09042–00010	Torx Socket T30	CYLINDER HEAD GASKET(1GR–FE) CYLINDER HEAD GASKET NO.2(1GR–FE) CHAIN SUB–ASSY(1GR–FE)
	09043–50100	Bi–hexagon Wrench 10 mm	CYLINDER HEAD GASKET(1GR–FE) CYLINDER HEAD GASKET NO.2(1GR–FE)

SSM

08826–00080	Seal Packing Black or equivalent (FIPG)	CYLINDER HEAD GASKET(1GR–FE) CYLINDER HEAD GASKET NO.2(1GR–FE) CHAIN SUB–ASSY(1GR–FE) VALVE CLEARANCE(1GR–FE) CAMSHAFT (RH BANK)(1GR–FE) CAMSHAFT (LH BANK)(1GR–FE)
08826–00100	"Seal Packing 1282B," THREE BOND 1282B or equivalent (FIPG)	CYLINDER HEAD GASKET(1GR–FE) CYLINDER HEAD GASKET NO.2(1GR–FE) CHAIN SUB–ASSY(1GR–FE)
08833–00070	"Adhesive 1324," THREE BOND 1324 or equivalent	ENGINE REAR OIL SEAL(1GR–FE)

Equipment

Alignment tester	
Angle gauge	
Bar	
Chain Block	
CO/HC meter	
Compression gauge	
Dial indicator with magnetic base	
Engine Sling Device	
Feeler gauge	
Micrometer	
Plastigage	
Precision straight edge	
Radiator cap tester	
Slide calipers	
Steel square	
Tachometer	
Timing light	

Tire pressure gauge	
Toe–in gauge	
Torque wrench	
Vernier calipers	
Wooden block	