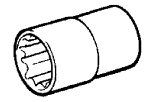
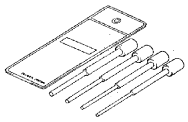
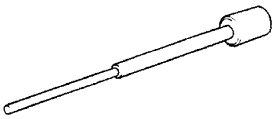
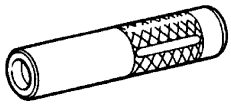
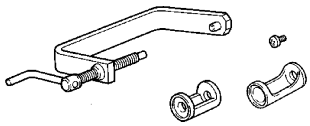
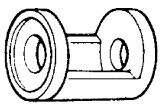
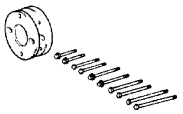
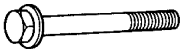
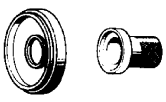
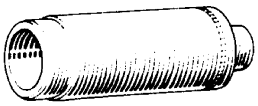
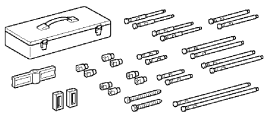
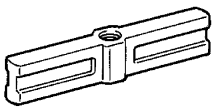
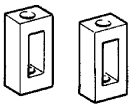
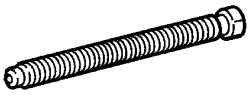
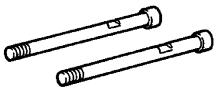
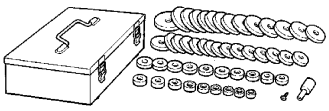
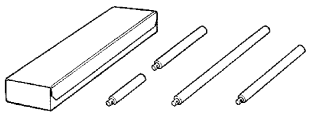
ENGINE MECHANICAL

PREPARATION

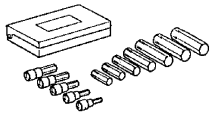
0228W–01

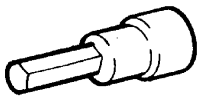
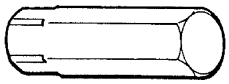
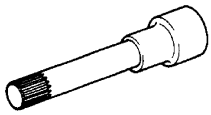
SST

	09011–38121	12 mm Socket Wrench for 12 Pointed Head	CYLINDER BLOCK ASSY(1GR–FE)
	09032–00100	Oil Pan Seal Cutter	PARTIAL ENGINE ASSY(1GR–FE)
	09201–10000	Valve Guide Bushing Remover & Replacer Set	CYLINDER HEAD ASSY(1GR–FE)
	09201–01055	Valve Guide Bushing Remover & Replacer 5.5	CYLINDER HEAD ASSY(1GR–FE)
	09201–41020	Valve Stem Oil Seal Replacer	CYLINDER HEAD ASSY(1GR–FE)
	09202–70020	Valve Spring Compressor	CYLINDER HEAD ASSY(1GR–FE)
	(09202–00010)	Attachment	CYLINDER HEAD ASSY(1GR–FE)
	09213–54015	Crankshaft Pulley Holding Tool	PARTIAL ENGINE ASSY(1GR–FE)
	(91651–60855)	Bolt	PARTIAL ENGINE ASSY(1GR–FE)
	09222–30010	Connecting Rod Bushing Remover & Replacer	CYLINDER BLOCK ASSY(1GR–FE)
	09223–78010	Crankshaft Oil Seal Replacer	PARTIAL ENGINE ASSY(1GR–FE)
	09226–10010	Crankshaft Front & Rear Bearing Replacer	PARTIAL ENGINE ASSY(1GR–FE)

	09330–00021	Companion Flange Holding Tool	PARTIAL ENGINE ASSY(1GR–FE)
	09950–50013	Puller C Set	PARTIAL ENGINE ASSY(1GR–FE)
	(09951–05010)	Hanger 150	PARTIAL ENGINE ASSY(1GR–FE)
	(09952–05010)	Slide Arm	PARTIAL ENGINE ASSY(1GR–FE)
	(09953–05020)	Center Bolt 150	PARTIAL ENGINE ASSY(1GR–FE)
	(09954–05030)	Claw No.3	PARTIAL ENGINE ASSY(1GR–FE)
	09950–60010	Replacer Set	CYLINDER HEAD ASSY(1GR–FE) CYLINDER BLOCK ASSY(1GR–FE)
	(09951–00250)	Replacer 25	CYLINDER HEAD ASSY(1GR–FE)
	(09951–00350)	Replacer 35	CYLINDER BLOCK ASSY(1GR–FE)
	09950–70010	Handle Set	CYLINDER HEAD ASSY(1GR–FE) CYLINDER BLOCK ASSY(1GR–FE)
	(09951–07100)	Handle 100	CYLINDER HEAD ASSY(1GR–FE)
	(09951–07150)	Handle 150	CYLINDER HEAD ASSY(1GR–FE) CYLINDER BLOCK ASSY(1GR–FE)

Recomended Tools

	09040–00011	Hexagon Wrench Set	CYLINDER HEAD ASSY(1GR–FE) PARTIAL ENGINE ASSY(1GR–FE)

	(09043–20100)	Socket Hexagon Wrench 10	PARTIAL ENGINE ASSY(1GR–FE)
	(09043–30140)	Straight Hexagon Wrench 14	CYLINDER HEAD ASSY(1GR–FE)
	09043–50100	Bi–hexagon Wrench 10 mm	PARTIAL ENGINE ASSY(1GR–FE)

SSM

	08826–00080	Seal Packing Black or equivalent (FIPG)	PARTIAL ENGINE ASSY(1GR–FE)
	08826–00100	"Seal Packing 1282B," THREE BOND 1282B or equivalent (FIPG)	PARTIAL ENGINE ASSY(1GR–FE)
	08833–00070	"Adhesive 1324," THREE BOND 1324 or equivalent	CYLINDER HEAD ASSY(1GR–FE) CYLINDER BLOCK ASSY(1GR–FE) PARTIAL ENGINE ASSY(1GR–FE)

Equipment

Bar	
Caliper gauge	
Connecting rod aligner	
Cylinder gauge	
Dial indicator with magnetic base	
Feeler gauge	
Heater	
Micrometer	
Piston ring compressor	
Piston ring expander	
Plastic Hammer	
Plastigage	
Precision straight edge	
Reamer	
Slide calipers	
Spring tester	
Steel square	
Torque wrench	
Valve seat cutter	
V–block	
Vernier calipers	
Wooden block	