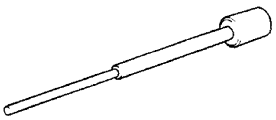
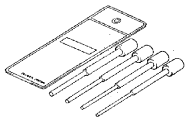
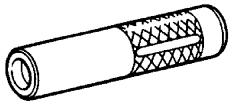
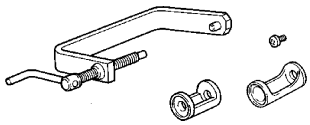
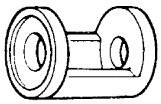
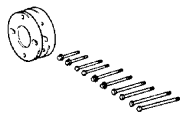
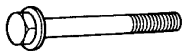
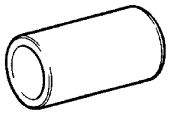
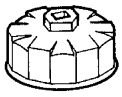
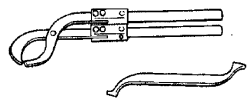
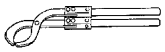
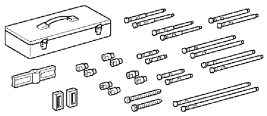
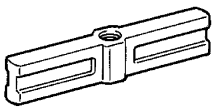
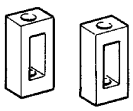
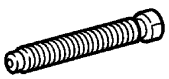
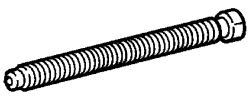
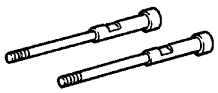
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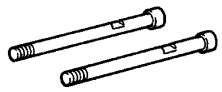
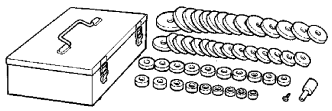
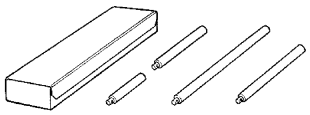
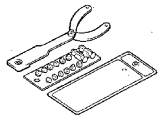
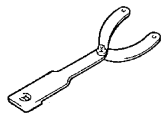
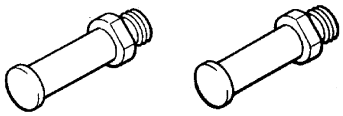
020TW–01

PREPARATION

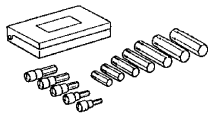
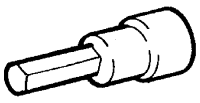
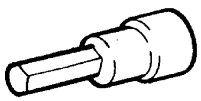
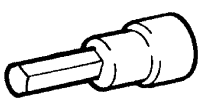
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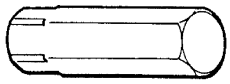
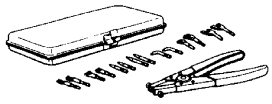
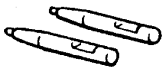
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	09201–01055	Valve Guide Bushing Remover & Replacer 5.5	CYLINDER HEAD ASSY(1MZ–FE)
	09201–10000	Valve Guide Bushing Remover & Replacer Set	CYLINDER HEAD ASSY(1MZ–FE)
	09201–41020	Valve Stem Oil Seal Replacer	CYLINDER HEAD ASSY(1MZ–FE)
	09202–70020	Valve Spring Compressor	CYLINDER HEAD ASSY(1MZ–FE)
	(09202–00010)	Attachment	CYLINDER HEAD ASSY(1MZ–FE)
	09213–54015	Crankshaft Pulley Holding Tool	PARTIAL ENGINE ASSY(1MZ–FE)
	(91651–60855)	Bolt	PARTIAL ENGINE ASSY(1MZ–FE)
	09222–30010	Connecting Rod Bushing Remover & Replacer	CYLINDER BLOCK(1MZ–FE)
	09223–00010	Cover & Seal Replacer	PARTIAL ENGINE ASSY(1MZ–FE)
	09223–15030	Oil Seal & Bearing Replacer	PARTIAL ENGINE ASSY(1MZ–FE)
	09228–07501	Oil Filter Wrench	PARTIAL ENGINE ASSY(1MZ–FE)

	09248–55040	Valve Clearance Adjust Tool Set	PARTIAL ENGINE ASSY(1MZ–FE)
	(09248–05410)	Valve Lifter Press	PARTIAL ENGINE ASSY(1MZ–FE)
	(09248–05420)	Valve Lifter Stopper	PARTIAL ENGINE ASSY(1MZ–FE)
	09330–00021	Companion Flange Holding Tool	PARTIAL ENGINE ASSY(1MZ–FE)
	09843–18020	Diagnosis Check Wire	PARTIAL ENGINE ASSY(1MZ–FE)
	09843–18030	Tacho–pulse Pickup Wire No.2	PARTIAL ENGINE ASSY(1MZ–FE)
	09843–18040	Diagnosis Check Wire No.2	PARTIAL ENGINE ASSY(1MZ–FE)
	09950–50013	Puller C Set	PARTIAL ENGINE ASSY(1MZ–FE)
	(09951–05010)	Hanger 150	PARTIAL ENGINE ASSY(1MZ–FE)
	(09952–05010)	Slide Arm	PARTIAL ENGINE ASSY(1MZ–FE)
	(09953–05010)	Center Bolt 100	PARTIAL ENGINE ASSY(1MZ–FE)
	(09953–05020)	Center Bolt 150	PARTIAL ENGINE ASSY(1MZ–FE)
	(09954–05010)	Claw No.1	PARTIAL ENGINE ASSY(1MZ–FE)

	(09954–05030)	Claw No.3	PARTIAL ENGINE ASSY(1MZ–FE)
	09950–60010	Replacer Set	PARTIAL ENGINE ASSY(1MZ–FE)
	(09951–00430)	Replacer 43	PARTIAL ENGINE ASSY(1MZ–FE)
	09950–70010	Handle Set	PARTIAL ENGINE ASSY(1MZ–FE) CYLINDER HEAD ASSY(1MZ–FE)
	(09951–07100)	Handle 100	PARTIAL ENGINE ASSY(1MZ–FE) CYLINDER HEAD ASSY(1MZ–FE)
	09960–10010	Variable Pin Wrench Set	PARTIAL ENGINE ASSY(1MZ–FE)
	(09962–01000)	Variable Pin Wrench Arm Assy	PARTIAL ENGINE ASSY(1MZ–FE)
	(09963–00500)	Pin 5	PARTIAL ENGINE ASSY(1MZ–FE)
	(09963–01000)	Pin 10	PARTIAL ENGINE ASSY(1MZ–FE)

Recomended Tools

	09040–00011	Hexagon Wrench Set	PARTIAL ENGINE ASSY(1MZ–FE) CYLINDER HEAD ASSY(1MZ–FE) CYLINDER BLOCK(1MZ–FE)
	(09043–20080)	Socket Hexagon Wrench 8	PARTIAL ENGINE ASSY(1MZ–FE)
	(09043–20100)	Socket Hexagon Wrench 10	PARTIAL ENGINE ASSY(1MZ–FE) CYLINDER BLOCK(1MZ–FE)
	(09043–20120)	Socket Hexagon Wrench 12	PARTIAL ENGINE ASSY(1MZ–FE)

	(09043–30140)	Straight Hexagon Wrench 14	CYLINDER HEAD ASSY(1MZ–FE)
	09904–00010	Expander Set	PARTIAL ENGINE ASSY(1MZ–FE)
	(09904–00040)	No. 3 Claw	PARTIAL ENGINE ASSY(1MZ–FE)

Equipment

12 mm Socket Wrench for 12 Pointed Head	
V–block	
Piston ring compressor	
Piston ring expander	
Valve seat cutter	
CO/HC meter	
Compression gauge	
Connecting rod aligner	
Cylinder gauge	
Feeler gauge	
Micrometer	
Precision straight edge	
Steel square	
Tachometer	
Torque wrench	
Vernier calipers	
Dial indicator with magneticbase	
slide calipers	
Spring tester	
Plastigage	
Heater	

SSM

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