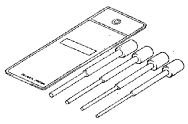
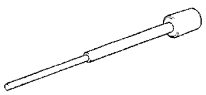
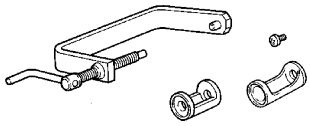
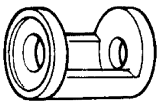
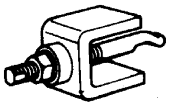
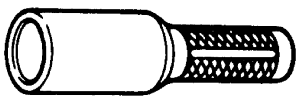
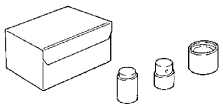
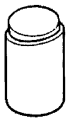
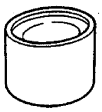
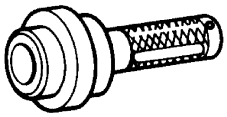
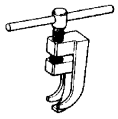
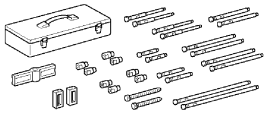
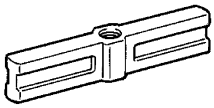
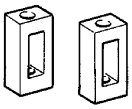
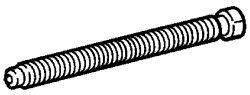
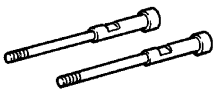
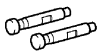
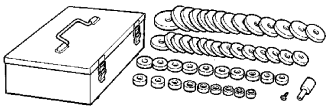
ENGINE MECHANICAL

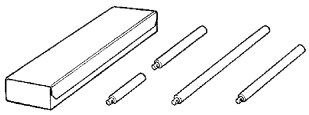
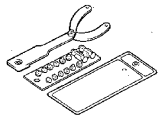
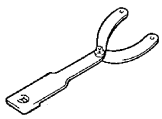
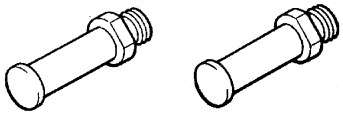
PREPARATION

021Z2–01

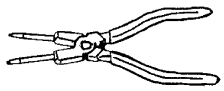
SST

	09032–00100	Oil Pan Seal Cutter	PARTIAL ENGINE ASSY(5L–E)
	09201–10000	Valve Guide Bushing Remover & Replacer Set	CYLINDER HEAD ASSY(5L–E)
	(09201–01080)	Valve Guide Bushing Remover & Replacer 8	CYLINDER HEAD ASSY(5L–E)
	09202–70020	Valve Spring Compressor	CYLINDER HEAD ASSY(5L–E)
	(09202–00030)	Attachment	CYLINDER HEAD ASSY(5L–E)
	09208–48010	Combustion Chamber Remover	CYLINDER HEAD ASSY(5L–E)
	09214–60010	Crankshaft Pulley & Gear Replacer	PARTIAL ENGINE ASSY(5L–E)
	09222–54011	Connecting Rod Bushing Remover & Replacer	CYLINDER BLOCK ASSY(5L–E)
	(09222–03016)	Remover & Replacer	CYLINDER BLOCK ASSY(5L–E)
	(09222–03021)	Guide	CYLINDER BLOCK ASSY(5L–E)
	(09222–03026)	Base	CYLINDER BLOCK ASSY(5L–E)
	09223–15030	Oil Seal & Bearing Replacer	PARTIAL ENGINE ASSY(5L–E)

	09223–46011	Crankshaft Front Oil Seal Replacer	PARTIAL ENGINE ASSY(5L–E)
	09248–64011	Valve Clearance Adjusting Tool	PARTIAL ENGINE ASSY(5L–E)
	09950–50013	Puller C Set	PARTIAL ENGINE ASSY(5L–E)
	(09951–05010)	Hanger 150	PARTIAL ENGINE ASSY(5L–E)
	(09952–05010)	Slide Arm	PARTIAL ENGINE ASSY(5L–E)
	(09953–05010)	Center Bolt 100	PARTIAL ENGINE ASSY(5L–E)
	(09953–05020)	Center Bolt 150	PARTIAL ENGINE ASSY(5L–E)
	(09954–05010)	Claw No.1	PARTIAL ENGINE ASSY(5L–E)
	(09954–05021)	Claw No.2	PARTIAL ENGINE ASSY(5L–E)
	09950–60010	Replacer Set	CYLINDER HEAD ASSY(5L–E) CYLINDER BLOCK ASSY(5L–E)
	(09951–00250)	Replacer 25	CYLINDER HEAD ASSY(5L–E) CYLINDER BLOCK ASSY(5L–E)
	(09951–00300)	Replacer 30	CYLINDER HEAD ASSY(5L–E)
	(09951–00350)	Replacer 35	CYLINDER BLOCK ASSY(5L–E)

	(09951–00450)	Replacer 45	CYLINDER HEAD ASSY(5L–E)
	(09951–00500)	Replacer 50	CYLINDER BLOCK ASSY(5L–E)
	09950–70010	Handle Set	PARTIAL ENGINE ASSY(5L–E) CYLINDER HEAD ASSY(5L–E) CYLINDER BLOCK ASSY(5L–E)
	(09951–07100)	Handle 100	PARTIAL ENGINE ASSY(5L–E) CYLINDER HEAD ASSY(5L–E) CYLINDER BLOCK ASSY(5L–E)
	09960–10010	Variable Pin Wrench Set	PARTIAL ENGINE ASSY(5L–E)
	(09962–01000)	Variable Pin Wrench Arm Assy	PARTIAL ENGINE ASSY(5L–E)
	(09963–01000)	Pin 10	PARTIAL ENGINE ASSY(5L–E)

Recomended Tools

	09905–00013	Snap Ring Pliers	CYLINDER BLOCK ASSY(5L–E)

SSM

	08826–00080	Seal Packing Black or equivalent (FIPG)	PARTIAL ENGINE ASSY(5L–E) CYLINDER HEAD ASSY(5L–E)
	08833–00070	”Adhesive 1324,” THREE BOND 1324 or equivalent	CYLINDER HEAD ASSY(5L–E) CYLINDER BLOCK ASSY(5L–E)

Equipment

Abrasive compound	
Brush	
Caliper gauge	
Carbide cutter (30°)	
Carbide cutter (45°)	
Carbide cutter (60°)	
Connecting rod aligner	
Cylinder gauge	

Dial indicator	
Dial indicator with magnetic base	
Dye penetrant	
Feeler gauge	
Groove cleaning tool	
Heater	
Hexagon wrench (6mm)	
Magnetic finger	
Micrometer	
Pin hole grinder	
Piston ring compressor	
Piston ring expander	
Plastigage	
Precision straight edge	
Press	
Razor brade	
Reamer	
Ridge reamer	
Soft brush	
Solvent	
Spring tester	
Steel square	
Straight edge	
Thermometer	
Torque wrench	
Valve guide bushing brush	
Valve seat cutter	
V–block	
Vernier calipers	
Wire brush	