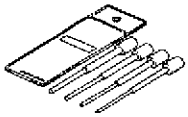
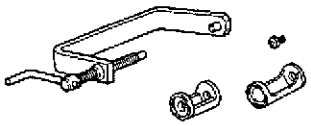
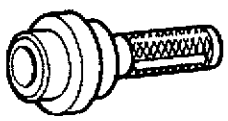
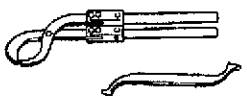
ENGINE MECHANICAL

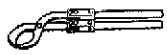
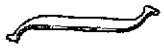
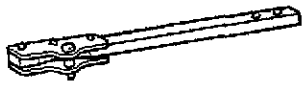
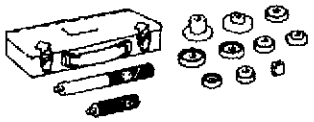
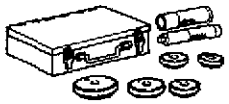
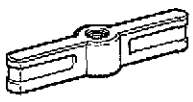
SST (Special Service Tools)

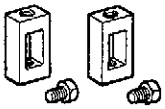
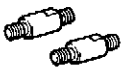
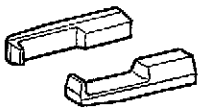
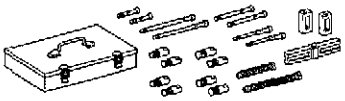
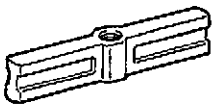
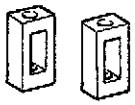
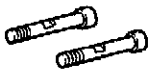
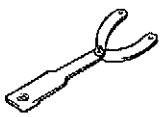
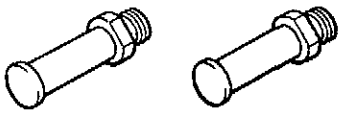
PP0L2–01

	09032–00100	Oil Pan Seal Cutter	
	09201–10000	Valve Guide Bushing Remover & Replacer Set	
	(09201–01060)	Valve Guide Bushing Remover & Replacer 6	
	09202–70020	Valve Spring Compressor	
	09207–76010	Rocker Arm Bushing	
	09213–54015	Crankshaft Pulley Holding Tool	
	09223–15030	Oil Seal & Bearing Replacer	Crankshaft rear oil seal
	09223–50010	Crankshaft Front oil Seal Replacer	
	09236–00101	Water Pump Overhaul Tool Set	
	(09236–15010)	Bearing Stay	Valve stem oil seal
	09243–00020	Idle Adjusting Screw Wrench	
	09248–55040	Valve Clearance Adjust Tool Set	

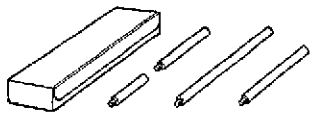
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	(09248–05410)	Valve Lifter Press	
	(09248–05420)	Valve Lifter Stopper	
	09325–20010	Transmission Oil Plug	
	09330–00021	Companion Flange Holding Tool	Crankshaft pulley
	09550–10012	Replacer Set "B"	
	(09252–10010)	No. 1 Replacer Handle–	Valve guide busing
	09608–30012	Front Hub & Drive Pinion Bearing Tool Set–	
	(09951–07100)	Handle 100	Crankshaft rear oil seal
	09636–20010	Upper Ball Joint Dust Cover Replacer	Crankshaft timing gear
	09816–30010	Oil Pressure Switch Socket	Knock sensor
	09843–18020	Diagnosis Check Wire	
	09950–40010	Puller B Set	
	(09951–04010)	Hanger 150	

	(09952–04010) Slide Arm	
	(09953–04010) Center Bolt 100	
	(09954–04010) Arm 25	
	(09955–04060) Claw No.6	
	09950–50010 Puller C Set	
	(09951–05010) Hanger 150	
	(09952–05010) Slide Arm	
	(09953–05010) Center Bolt 100	
	(09954–05020) Claw No.2	
	09960–10010 Variable Pin Wrench Set	
	(09962–01000) Variable Pin Wrench Arm Assy	
	(09963–00500) Pin 5	
	(09963–01000) Pin 10	

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	09950–70010 Handle Set	
	(09951–07150) Handle 150	

PP0L3-01

RECOMMENDED TOOLS

	09082–00040	TOYOTA Electrical Tester.	
	09200–00010	Engine Adjust Kit .	
	09258–00030	Hose Plug Set .	Plug for the vacuum hose, fuel hose etc.

PP0L4–01

EQUIPMENT

Caliper gauge	
CO/HC meter	
Compression gauge	
Connecting rod aligner	
Cylinder gauge	
Dial indicator	
Dye penetrant	
Engine tune–up tester	
Heater	
Magnetic finger	
Micrometer	
OBD II scan tool	Engine speed
Piston ring compressor	
Piston ring expander	
Plastigage	
Precision straight edge	
Soft brush	
Spring tester	Valve spring
Steel square	Valve spring
Thermometer	
Torque wrench	
V–block	
Valve seat cutter	
Vernier calipers	
Tachometer	

PP0L5–01

SSM (Service Special Materials)

08826–00080	Seal Packing Black or equivalent (FIPG)	Over space between cylinder head and timing chain cover Semi–circular plug Oil pan, Rear oil seal retaine
08833–00070	Adhesive 1324, THREE BOND 1324 or equivalent	Spark plug tube Drive plate bolt
08833–00080	Adhesive 1344 THREE BOND 1344 LOCTITE 242 or equivalent	Oil pressure switch