ENGINE MECHANICAL PREPARATION

021CI-02

SST

09011–38121	12 mm Socket Wrench for 12	CYLINDER BLOCK ASSY(April, 2003)
	Pointed Head	
09032-00100	Oil Pan Seal Cutter	PARTIAL ENGINE ASSY(April, 2003)
09201-01055	Valve Guide Bushing Remover & Replacer 5.5	CYLINDER HEAD ASSY
09201–10000	Valve Guide Bushing Remover & Replacer Set	CYLINDER HEAD ASSY
09201–41020	Valve Stem Oil Seal Replacer	CYLINDER HEAD ASSY
09202–70020	Valve Spring Compressor	CYLINDER HEAD ASSY
(09202–00010)	Attachment	CYLINDER HEAD ASSY
(09202–01010)	Arm	CYLINDER HEAD ASSY
(09202–01020)	Set Bolt	CYLINDER HEAD ASSY
09205–16010	Cylinder Head Bolt Wrench	CYLINDER BLOCK ASSY(April, 2003)
09223-15020	Oil Seal & Bearing Replacer	ENGINE REAR OIL SEAL PARTIAL ENGINE ASSY(April, 2003)
09223–22010	Crankshaft Front Oil Seal Replacer	CHAIN SUB-ASSY TIMING CHAIN OR BELT COVER OIL SEAL CYLINDER HEAD GASKET PARTIAL ENGINE ASSY(April, 2003)

2004 COROLLA (RM1037U)

09228-06501	Oil Filter Wrench	PARTIAL ENGINE ASSY(April, 2003)
09268–21010	Fuel Hose Puller	CYLINDER HEAD GASKET
09301-00210	Clutch Guide Tool	ENGINE REAR OIL SEAL PARTIAL ENGINE ASSY(April, 2003)
09628–62011	Boll Joint Puller	PARTIAL ENGINE ASSY(April, 2003)
09670-00010	Front Crossmember Guide Tool	PARTIAL ENGINE ASSY(April, 2003)
09817–33190	Sensor Socket Wrench	PARTIAL ENGINE ASSY(April, 2003)
09843–18040	Diagnosis Check Wire No.2	ENGINE ASSEMBLY CYLINDER HEAD GASKET PARTIAL ENGINE ASSY(April, 2003)
09930-00010	Drive Shaft Nut Chisel	PARTIAL ENGINE ASSY(April, 2003)
09950–70010	Handle Set	ENGINE REAR OIL SEAL CYLINDER HEAD ASSY PARTIAL ENGINE ASSY(April, 2003)
(09951–07100)	Handle 100	ENGINE REAR OIL SEAL CYLINDER HEAD ASSY PARTIAL ENGINE ASSY(April, 2003)
09960–10010	Variable Pin Wrench Set	CHAIN SUB-ASSY TIMING CHAIN OR BELT COVER OIL SEAL ENGINE REAR OIL SEAL CYLINDER HEAD GASKET PARTIAL ENGINE ASSY(April, 2003)
(09962–01000)	Variable Pin Wrench Arm Assy	CHAIN SUB-ASSY TIMING CHAIN OR BELT COVER OIL SEAL ENGINE REAR OIL SEAL CYLINDER HEAD GASKET PARTIAL ENGINE ASSY(April, 2003)

2004 COROLLA (RM1037U)

(09963–01000) Pin 10	CHAIN SUB-ASSY TIMING CHAIN OR BELT COVER OIL SEAL ENGINE REAR OIL SEAL CYLINDER HEAD GASKET PARTIAL ENGINE ASSY(April, 2003)
09992-00500 Compression Gauge Attachment	ENGINE ASSEMBLY CYLINDER HEAD GASKET

Recomended Tools

09031-00040 Pin Punch .	CYLINDER I	HEAD ASSY
09040-00011 Hexagon Wren	Ch Set PARTIAL EN	IGINE ASSY(April, 2003)
(09043-20050) Socket Hexago	n Wrench 5 PARTIAL EN	IGINE ASSY(April, 2003)
(09043–20100) Socket Hexago		HEAD ASSY IGINE ASSY(April, 2003)
(09043–20120) Socket Hexago	n Wrench 12 PARTIAL EN	IGINE ASSY(April, 2003)
09043–50100 Bi–hexagon Wi	ench 10 mm PARTIAL EN	IGINE ASSY(April, 2003)
09090–04020 Engine Sling D	PARTIAL EN	IGINE ASSY(April, 2003)

SSM

		1
08826-00080	Seal Packing Black or equivalent	CHAIN SUB-ASSY
	(FIPG)	CAMSHAFT
		CYLINDER HEAD GASKET
		VALVE CLEARANCE
		PARTIAL ENGINE ASSY(April, 2003)
		CYLINDER BLOCK ASSY(April, 2003)
08826-00100	"Seal Packing 1282B,"	PARTIAL ENGINE ASSY(April, 2003)
	THREE BOND 1282B or equivalent	
	(FIPG)	
08833-00070	"Adhesive 1324,"	ENGINE REAR OIL SEAL
	THREE BOND 1324 or equivalent	CYLINDER HEAD ASSY
		PARTIAL ENGINE ASSY(April, 2003)

2004 COROLLA (RM1037U)

08833–00080 Adhesive 1344 CYLINDER BLOCK ASSY(April, 20 THREE BOND 1344 LOCTITE 242 or equivalent

Equipment

CO/HC meter	
Cylinder gauge	
Dial indicator	
Feeler gauge	
Micrometer	
Piston heater	
Plastigage	
Precision straight edge	
Radiator cap tester	
Sandpaper(#400)	
Steel square	
Straight edge	
Spring tester	
Spring tension gauge	
Torque wrench	
Valve seat cutter	
Vernier calipers	
V-block	
Wooden block	