

DIAGNOSTICS
PREPARATION

023WL-01

Recomended Tools

	09082-00040 TOYOTA Electrical Tester	SFI SYSTEM(1ZZ-FE/3ZZ-FE)(From February, 2004) ELECTRONIC CONTROLLED AUTOMATIC TRANSAXLE [ECT](U341E) (From February, 2004)
	(09083-00150) Test Lead Set	SFI SYSTEM(1ZZ-FE/3ZZ-FE)(From February, 2004) ELECTRONIC CONTROLLED AUTOMATIC TRANSAXLE [ECT](U341E) (From February, 2004)

ENGINE CONTROL SYSTEM

023VH-01

PREPARATION

Equipment

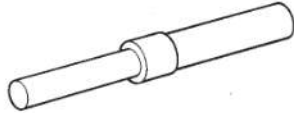
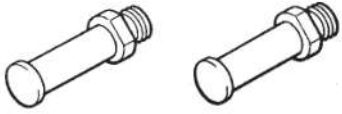
Ohmmeter	
Radiator cap tester	
Torque wrench	

ENGINE MECHANICAL

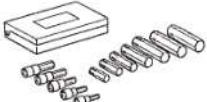
PREPARATION

023VZ-01

SST

	09223-22010	Crankshaft Front Oil Seal Replacer	CYLINDER HEAD GASKET(1ZZ-FE/3ZZ-FE)(From February, 2004)
	09301-00210	Clutch Guide Tool	PARTIAL ENGINE ASSY(1ZZ-FE/3ZZ-FE)(From February, 2004)
	09628-62011	Bolt Joint Puller	PARTIAL ENGINE ASSY(1ZZ-FE/3ZZ-FE)(From February, 2004)
	09670-00010	Front Crossmember Guide Tool	PARTIAL ENGINE ASSY(1ZZ-FE/3ZZ-FE)(From February, 2004)
	09817-33190	Sensor Socket Wrench	PARTIAL ENGINE ASSY(1ZZ-FE/3ZZ-FE)(From February, 2004)
	09843-18040	Diagnosis Check Wire No.2	PARTIAL ENGINE ASSY(1ZZ-FE/3ZZ-FE)(From February, 2004) CYLINDER HEAD GASKET(1ZZ-FE/3ZZ-FE)(From February, 2004)
	09930-00010	Drive Shaft Nut Chisel	PARTIAL ENGINE ASSY(1ZZ-FE/3ZZ-FE)(From February, 2004)
	09960-10010	Variable Pin Wrench Set	PARTIAL ENGINE ASSY(1ZZ-FE/3ZZ-FE)(From February, 2004) CYLINDER HEAD GASKET(1ZZ-FE/3ZZ-FE)(From February, 2004)
	(09962-01000)	Variable Pin Wrench Arm Assy	PARTIAL ENGINE ASSY(1ZZ-FE/3ZZ-FE)(From February, 2004) CYLINDER HEAD GASKET(1ZZ-FE/3ZZ-FE)(From February, 2004)
	(09963-01000)	Pin 10	PARTIAL ENGINE ASSY(1ZZ-FE/3ZZ-FE)(From February, 2004) CYLINDER HEAD GASKET(1ZZ-FE/3ZZ-FE)(From February, 2004)
	09992-00500	Compression Gauge Attachment	CYLINDER HEAD GASKET(1ZZ-FE/3ZZ-FE)(From February, 2004)

Recommended Tools

	09011-12301	Socket Wrench 30 mm	PARTIAL	ENGINE	ASSY(1ZZ-FE/3ZZ-FE)(From February, 2004)
	09040-00011	Hexagon Wrench Set	PARTIAL	ENGINE	ASSY(1ZZ-FE/3ZZ-FE)(From February, 2004)
	(09043-20050)	Socket Hexagon Wrench 5	PARTIAL	ENGINE	ASSY(1ZZ-FE/3ZZ-FE)(From February, 2004)
	(09043-20100)	Socket Hexagon Wrench 10	PARTIAL	ENGINE	ASSY(1ZZ-FE/3ZZ-FE)(From February, 2004)
	09090-04020	Engine Sling Device	PARTIAL	ENGINE	ASSY(1ZZ-FE/3ZZ-FE)(From February, 2004)

SSM

	08826-00080	Seal Packing Black or equivalent (FIPG)	CYLINDER	HEAD	GASKET(1ZZ-FE/3ZZ-FE)(From February, 2004)
	08833-00070	"Adhesive 1324," THREE BOND 1324 or equivalent	PARTIAL	ENGINE	ASSY(1ZZ-FE/3ZZ-FE)(From February, 2004)

Equipment

Feeler gauge	
CO/HC meter	
Dial indicator	
Radiator cap tester	
Straight edge	
Torque wrench	
Tire pressure gauge	
Alignment tester	
Toe-in gauge	
Deep socket wrench 24 mm	
Wooden block	

COOLING
PREPARATION

023W0-01

Equipment

Radiator cap tester	
Thermometer	
Torque wrench	
Slide calipers	
Heater	

Coolant

Item		Capacity	Classification
Engine coolant			"Toyota Super Long Life Coolant "or similar high quality ethylene glycol based non-silicate, non-amine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology
Left-hand drive vehicles	M/T	5.8 liters (6.1 US qts, 5.1 Imp. qts)	
	A/T	5.7 liters (6.0 US qts, 5.0 Imp. qts)	
Right-hand drive vehicles	M/T	5.9 liters (6.2 US qts, 5.2 Imp. qts)	
	A/T	5.8 liters (6.1 US qts, 5.1 Imp. qts)	

SUPPLEMENTAL RESTRAINT SYSTEM

023SU-01

PREPARATION

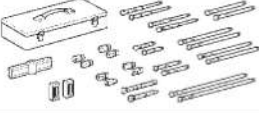
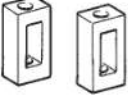
Equipment

Torque wrench	
---------------	--

INSTRUMENT PANEL/METER

PREPARATION

SST

	09950-50013 Puller C Set	INSTRUMENT PANEL SUB-ASSY LOWER(From February, 2004)
	(09951-05010) Hanger 150	INSTRUMENT PANEL SUB-ASSY LOWER(From February, 2004)
	(09952-05010) Slide Arm	INSTRUMENT PANEL SUB-ASSY LOWER(From February, 2004)
	(09953-05020) Center Bolt 150	INSTRUMENT PANEL SUB-ASSY LOWER(From February, 2004)
	(09954-05021) Claw No.2	INSTRUMENT PANEL SUB-ASSY LOWER(From February, 2004)

Recomended Tools

	09041-00030 Torx Driver T30	INSTRUMENT PANEL SUB-ASSY LOWER(From February, 2004)
	09042-00010 Torx Socket T30	INSTRUMENT PANEL SUB-ASSY LOWER(From February, 2004)
	09070-20010 Moulding Remover	INSTRUMENT PANEL SUB-ASSY LOWER(From February, 2004)

Equipment

Torque wrench	
Tape	To avoid surface damage