

DIAGNOSTICS

PREPARATION

SST

021WB-01

	09709-29018 LSPV Gauge Set	ABS WITH EBD & BA & TRAC & VSC SYSTEM
	09843-18040 Diagnosis Check Wire No.2	AIR CONDITIONING SYSTEM SUPPLEMENTAL RESTRAINT SYSTEM REAR AIR SUSPENSION SYSTEM ABS WITH EBD & BA & TRAC & VSC SYSTEM SFI SYSTEM(2UZ-FE)

Recommended Tools

	09042-00040 Torx Socket T50	SFI SYSTEM(2UZ-FE)
	(09083-00150) Test Lead Set	AIR CONDITIONING SYSTEM SUPPLEMENTAL RESTRAINT SYSTEM LIGHTING SYSTEM AUDIO SYSTEM CRUISE CONTROL SYSTEM REAR AIR SUSPENSION SYSTEM ABS WITH EBD & BA & TRAC & VSC SYSTEM ENGINE IMMOBILISER SYSTEM KEY REMINDER WARNING SYSTEM NAVIGATION SYSTEM POWER DOOR LOCK CONTROL SYSTEM WIRELESS DOOR LOCK CONTROL SYSTEM COMBINATION METER POWER WINDOW CONTROL SYSTEM SFI SYSTEM(2UZ-FE) ELECTRONIC CONTROLLED AUTOMATIC TRANSMISSION [ECT](A750E/A750F)

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ENGINE CONTROL SYSTEM

PREPARATION

0238B-01

SST

	09816-30010 Oil Pressure Switch Socket	KNOCK SENSOR(2UZ-FE)(From August, 2003)
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Recommended Tools

	09082-00040 TOYOTA Electrical Tester	SFI SYSTEM(1GR-FE) SFI SYSTEM(2UZ-FE)
	(09083-00150) Test Lead Set	SFI SYSTEM(1GR-FE) SFI SYSTEM(2UZ-FE)

Equipment

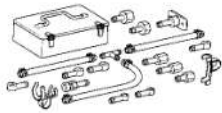
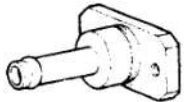
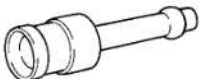
Ohmmeter	
Radiator cap tester	
Service Wire Harness	
Torque wrench	

FUEL

PREPARATION

SST

0238C-01

	09268-41047	Injection Measuring Tool Set	FUEL SYSTEM(1GR-FE) FUEL SYSTEM(2UZ-FE)
	(09268-41091)	NO.7 Union	FUEL SYSTEM(1GR-FE) FUEL SYSTEM(2UZ-FE)
	(09268-41110)	Adaptor	FUEL SYSTEM(1GR-FE) FUEL SYSTEM(2UZ-FE)
	(09268-41300)	Clamp	FUEL SYSTEM(1GR-FE) FUEL SYSTEM(2UZ-FE)
	(95333-06030)	Hose	FUEL SYSTEM(2UZ-FE)
	(95336-08070)	Hose	FUEL SYSTEM(1GR-FE) FUEL SYSTEM(2UZ-FE)
	(96150-02000)	C-Ring	FUEL SYSTEM(2UZ-FE)
	09842-30070	Wire "F" EFI Inspection	FUEL SYSTEM(2UZ-FE)
	09842-30080	Wire "H" EFI Inspection	FUEL SYSTEM(1GR-FE)

Recommended Tools

	09040-00011	Hexagon Wrench Set	FUEL INJECTOR ASSY(1GR-FE)
	(09043-20080)	Socket Hexagon Wrench 8	FUEL INJECTOR ASSY(1GR-FE)
	09082-00040	TOYOTA Electrical Tester	FUEL SYSTEM(1GR-FE) FUEL SYSTEM(2UZ-FE)

	(09083-00150) Test Lead Set	FUEL SYSTEM(1GR-FE) FUEL SYSTEM(2UZ-FE)
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Equipment

Clip	
Measuring Flask	
Radiator cap tester	
Service Wire Harness	
Stopwatch	
Torque wrench	

EMISSION CONTROL

PREPARATION

0238D-01

SST

	09992-00242 Turbocharger Pressure Gauge	EMISSION SYSTEM(1GR-FE)	CONTROL
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Recommended Tools

	09082-00040 TOYOTA Electrical Tester	EMISSION SYSTEM(1GR-FE)	CONTROL
	(09083-00150) Test Lead Set	EMISSION SYSTEM(1GR-FE)	CONTROL

Equipment

Hand-held vacuum pump	
Ohmmeter	
Service Wire Harness	
Torque wrench	
Vacuum gauge	

INTAKE

PREPARATION

0238E-01

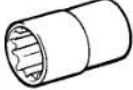
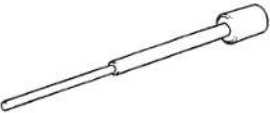
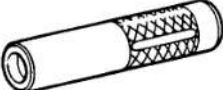
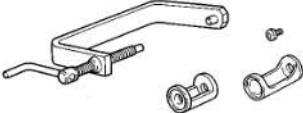
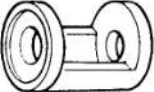
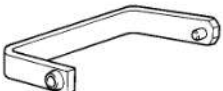
Equipment

Hand-held vacuum pump	
Ohmmeter	
Service Wire Harness	
Vacuum gauge	

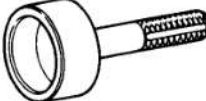
ENGINE MECHANICAL

PREPARATION

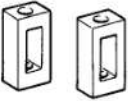
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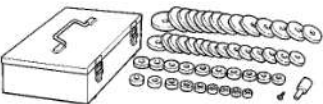
	09011-38121	12 mm Socket Wrench for 12 Pointed Head	CYLINDER BLOCK ASSY(1GR-FE) CYLINDER BLOCK ASSY(2UZ-FE)
	09023-12700	Union Nut Wrench 17mm	PARTIAL ENGINE ASSY(1GR-FE) CYLINDER HEAD GASKET(1GR-FE) CYLINDER HEAD GASKET NO.2(1GR-FE) CHAIN SUB-ASSY(1GR-FE) ENGINE REAR OIL SEAL(1GR-FE) ENGINE REAR OIL SEAL(2UZ-FE)(From August, 2003)
	09032-00100	Oil Pan Seal Cutter	PARTIAL ENGINE ASSY(1GR-FE) CYLINDER HEAD GASKET(1GR-FE) CYLINDER HEAD GASKET NO.2(1GR-FE) CHAIN SUB-ASSY(1GR-FE) PARTIAL ENGINE ASSY(2UZ-FE)
	09201-01055	Valve Guide Bushing Remover & Replacer 5.5	CYLINDER HEAD ASSY(1GR-FE)
	09201-10000	Valve Guide Bushing Remover & Replacer Set	CYLINDER HEAD ASSY(1GR-FE) CYLINDER HEAD ASSY(2UZ-FE)
	(09201-01060)	Valve Guide Bushing Remover & Replacer 6	CYLINDER HEAD ASSY(2UZ-FE)
	(09951-07100)	Handle 100	CYLINDER HEAD ASSY(1GR-FE) CYLINDER HEAD ASSY(2UZ-FE) CYLINDER BLOCK ASSY(2UZ-FE) PARTIAL ENGINE ASSY(2UZ-FE)
	09201-41020	Valve Stem Oil Seal Replacer	CYLINDER HEAD ASSY(1GR-FE) CYLINDER HEAD ASSY(2UZ-FE)
	09202-70020	Valve Spring Compressor	CYLINDER HEAD ASSY(1GR-FE) CYLINDER HEAD ASSY(2UZ-FE)
	(09202-00010)	Attachment	CYLINDER HEAD ASSY(1GR-FE) CYLINDER HEAD ASSY(2UZ-FE)
	(09202-01010)	Arm	CYLINDER HEAD ASSY(2UZ-FE)

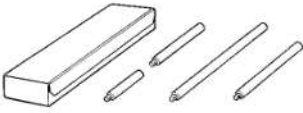
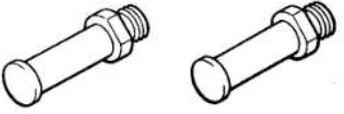
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	09213-54015 Crankshaft Pulley Holding Tool (91651-60855) Bolt	PARTIAL ENGINE ASSY(1GR-FE) CYLINDER HEAD GASKET(1GR-FE) CYLINDER HEAD GASKET NO.2(1GR-FE) CHAIN SUB-ASSY(1GR-FE) TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL(1GR-FE) ENGINE REAR OIL SEAL(1GR-FE) PARTIAL ENGINE ASSY(1GR-FE) CYLINDER HEAD GASKET(1GR-FE) CYLINDER HEAD GASKET NO.2(1GR-FE) CHAIN SUB-ASSY(1GR-FE) TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL(1GR-FE) ENGINE REAR OIL SEAL(1GR-FE)
	09213-70011 Crankshaft Pulley Holding Tool (09213-70020) Bolt (90105-08076) Bolt	VALVE CLEARANCE(2UZ-FE) CYLINDER HEAD GASKET(2UZ-FE) CAMSHAFT (RH BANK)(2UZ-FE) CAMSHAFT (LH BANK)(2UZ-FE) OIL PUMP SEAL(2UZ-FE) TIMING BELT(2UZ-FE) PARTIAL ENGINE ASSY(2UZ-FE) ENGINE REAR OIL SEAL(2UZ-FE)(From August, 2003) VALVE CLEARANCE(2UZ-FE) CYLINDER HEAD GASKET(2UZ-FE) CAMSHAFT (RH BANK)(2UZ-FE) CAMSHAFT (LH BANK)(2UZ-FE) OIL PUMP SEAL(2UZ-FE) TIMING BELT(2UZ-FE) PARTIAL ENGINE ASSY(2UZ-FE)
	09222-30010 Connecting Rod Bushing Remover & Replacer	CYLINDER BLOCK ASSY(1GR-FE)
	09223-46011 Crankshaft Front Oil Seal Replacer	VALVE CLEARANCE(2UZ-FE) CYLINDER HEAD GASKET(2UZ-FE) CAMSHAFT (RH BANK)(2UZ-FE) CAMSHAFT (LH BANK)(2UZ-FE) OIL PUMP SEAL(2UZ-FE) TIMING BELT(2UZ-FE) PARTIAL ENGINE ASSY(2UZ-FE)
	09223-56010 Crankshaft Rear Oil Seal Replacer	PARTIAL ENGINE ASSY(2UZ-FE) ENGINE REAR OIL SEAL(2UZ-FE)(From August, 2003)
	09223-78010 Crankshaft Oil Seal Replacer	PARTIAL ENGINE ASSY(1GR-FE) ENGINE REAR OIL SEAL(1GR-FE)

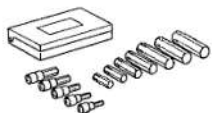
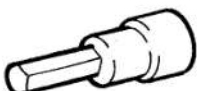
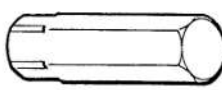
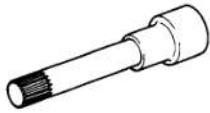
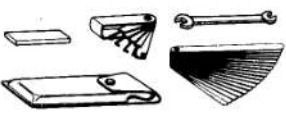
	09226-10010 Crankshaft Front & Rear Bearing Replacer	PARTIAL ENGINE ASSY(1GR-FE) CYLINDER HEAD GASKET(1GR-FE) CYLINDER HEAD GASKET NO.2(1GR-FE) CHAIN SUB-ASSY(1GR-FE) TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL(1GR-FE)
	09316-60011 Transmission & Transfer Bearing Replacer	OIL PUMP SEAL(2UZ-FE) PARTIAL ENGINE ASSY(2UZ-FE)
	(09316-00011) Replacer Pipe	OIL PUMP SEAL(2UZ-FE) PARTIAL ENGINE ASSY(2UZ-FE)
	09330-00021 Companion Flange Holding Tool	PARTIAL ENGINE ASSY(1GR-FE) CYLINDER HEAD GASKET(1GR-FE) CYLINDER HEAD GASKET NO.2(1GR-FE) CHAIN SUB-ASSY(1GR-FE) TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL(1GR-FE) ENGINE REAR OIL SEAL(1GR-FE) VALVE CLEARANCE(2UZ-FE) CYLINDER HEAD GASKET(2UZ-FE) CAMSHAFT (RH BANK)(2UZ-FE) CAMSHAFT (LH BANK)(2UZ-FE) OIL PUMP SEAL(2UZ-FE) TIMING BELT(2UZ-FE) PARTIAL ENGINE ASSY(2UZ-FE) ENGINE REAR OIL SEAL(2UZ-FE)(From August, 2003)
	09350-32014 TOYOTA Automatic Transmission Tool Set	ENGINE REAR OIL SEAL(2UZ-FE)(From August, 2003)
	(09351-32020) Stator Stopper	ENGINE REAR OIL SEAL(2UZ-FE)(From August, 2003)
	09628-62011 Boll Joint Puller	CYLINDER HEAD GASKET(1GR-FE) CYLINDER HEAD GASKET NO.2(1GR-FE) CHAIN SUB-ASSY(1GR-FE)
	09816-30010 Oil Pressure Switch Socket	PARTIAL ENGINE ASSY(2UZ-FE)
	09843-18030 Tacho-pulse Pickup Wire No.2	ENGINE(1GR-FE) PARTIAL ENGINE ASSY(1GR-FE) CYLINDER HEAD GASKET(1GR-FE) CYLINDER HEAD GASKET NO.2(1GR-FE)

	09843-18040 Diagnosis Check Wire No.2	ENGINE(1GR-FE) PARTIAL ENGINE ASSY(1GR-FE) CYLINDER HEAD GASKET(1GR-FE) CYLINDER HEAD GASKET NO.2(1GR-FE) CHAIN SUB-ASSY(1GR-FE) VALVE CLEARANCE(1GR-FE) CAMSHAFT (RH BANK)(1GR-FE) CAMSHAFT (LH BANK)(1GR-FE) ENGINE(2UZ-FE)
	09950-50013 Puller C Set	PARTIAL ENGINE ASSY(1GR-FE) CYLINDER HEAD GASKET(1GR-FE) CYLINDER HEAD GASKET NO.2(1GR-FE) CHAIN SUB-ASSY(1GR-FE) TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL(1GR-FE) VALVE CLEARANCE(2UZ-FE) CYLINDER HEAD GASKET(2UZ-FE) CAMSHAFT (RH BANK)(2UZ-FE) CAMSHAFT (LH BANK)(2UZ-FE) OIL PUMP SEAL(2UZ-FE) TIMING BELT(2UZ-FE) PARTIAL ENGINE ASSY(2UZ-FE)
	(09951-05010) Hanger 150	PARTIAL ENGINE ASSY(1GR-FE) CYLINDER HEAD GASKET(1GR-FE) CYLINDER HEAD GASKET NO.2(1GR-FE) CHAIN SUB-ASSY(1GR-FE) TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL(1GR-FE) VALVE CLEARANCE(2UZ-FE) CYLINDER HEAD GASKET(2UZ-FE) CAMSHAFT (RH BANK)(2UZ-FE) CAMSHAFT (LH BANK)(2UZ-FE) OIL PUMP SEAL(2UZ-FE) TIMING BELT(2UZ-FE) PARTIAL ENGINE ASSY(2UZ-FE)
	(09952-05010) Slide Arm	PARTIAL ENGINE ASSY(1GR-FE) CYLINDER HEAD GASKET(1GR-FE) CYLINDER HEAD GASKET NO.2(1GR-FE) CHAIN SUB-ASSY(1GR-FE) TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL(1GR-FE) VALVE CLEARANCE(2UZ-FE) CYLINDER HEAD GASKET(2UZ-FE) CAMSHAFT (RH BANK)(2UZ-FE) CAMSHAFT (LH BANK)(2UZ-FE) OIL PUMP SEAL(2UZ-FE) TIMING BELT(2UZ-FE) PARTIAL ENGINE ASSY(2UZ-FE)
	(09953-05010) Center Bolt 100	VALVE CLEARANCE(2UZ-FE) CYLINDER HEAD GASKET(2UZ-FE) CAMSHAFT (RH BANK)(2UZ-FE) CAMSHAFT (LH BANK)(2UZ-FE) OIL PUMP SEAL(2UZ-FE) TIMING BELT(2UZ-FE) PARTIAL ENGINE ASSY(2UZ-FE)

	(09953-05020) Center Bolt 150	PARTIAL ENGINE ASSY(1GR-FE) CYLINDER HEAD GASKET(1GR-FE) CYLINDER HEAD GASKET NO.2(1GR-FE) CHAIN SUB-ASSY(1GR-FE) TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL(1GR-FE) VALVE CLEARANCE(2UZ-FE) CYLINDER HEAD GASKET(2UZ-FE) CAMSHAFT (RH BANK)(2UZ-FE) CAMSHAFT (LH BANK)(2UZ-FE) OIL PUMP SEAL(2UZ-FE) TIMING BELT(2UZ-FE) PARTIAL ENGINE ASSY(2UZ-FE) OIL PUMP SEAL(2UZ-FE) PARTIAL ENGINE ASSY(2UZ-FE)
	(09954-05010) Claw No.1	CYLINDER HEAD GASKET(1GR-FE) CYLINDER HEAD GASKET NO.2(1GR-FE) CHAIN SUB-ASSY(1GR-FE) VALVE CLEARANCE(2UZ-FE) CYLINDER HEAD GASKET(2UZ-FE) CAMSHAFT (RH BANK)(2UZ-FE) CAMSHAFT (LH BANK)(2UZ-FE) OIL PUMP SEAL(2UZ-FE) TIMING BELT(2UZ-FE) PARTIAL ENGINE ASSY(2UZ-FE) PARTIAL ENGINE ASSY(1GR-FE) CYLINDER HEAD GASKET(1GR-FE) CYLINDER HEAD GASKET NO.2(1GR-FE) CHAIN SUB-ASSY(1GR-FE) TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL(1GR-FE)
	(09954-05021) Claw No.2	
	(09954-05030) Claw No.3	
	09950-60010 Replacer Set	CYLINDER HEAD ASSY(1GR-FE) CYLINDER BLOCK ASSY(1GR-FE) CYLINDER HEAD ASSY(2UZ-FE) CYLINDER BLOCK ASSY(2UZ-FE) PARTIAL ENGINE ASSY(2UZ-FE) PARTIAL ENGINE ASSY(2UZ-FE)
	(09951-00240) Replacer 24	PARTIAL ENGINE ASSY(2UZ-FE)
	(09951-00250) Replacer 25	CYLINDER HEAD ASSY(1GR-FE)
	(09951-00300) Replacer 30	CYLINDER HEAD ASSY(2UZ-FE)
	(09951-00350) Replacer 35	CYLINDER BLOCK ASSY(1GR-FE) CYLINDER BLOCK ASSY(2UZ-FE)

 	(09951-00440) Replacer 44	PARTIAL ENGINE ASSY(2UZ-FE)
	(09952-06010) Adapter	PARTIAL ENGINE ASSY(2UZ-FE)
  	09950-70010 Handle Set	CYLINDER HEAD ASSY(1GR-FE) CYLINDER BLOCK ASSY(1GR-FE) CYLINDER HEAD ASSY(2UZ-FE) CYLINDER BLOCK ASSY(2UZ-FE) PARTIAL ENGINE ASSY(2UZ-FE) CYLINDER HEAD ASSY(1GR-FE) CYLINDER HEAD ASSY(2UZ-FE) CYLINDER BLOCK ASSY(2UZ-FE) PARTIAL ENGINE ASSY(2UZ-FE)
	(09951-07100) Handle 100	CYLINDER HEAD ASSY(1GR-FE) CYLINDER HEAD ASSY(2UZ-FE) CYLINDER BLOCK ASSY(2UZ-FE) PARTIAL ENGINE ASSY(2UZ-FE)
	(09951-07150) Handle 150	CYLINDER HEAD ASSY(1GR-FE) CYLINDER BLOCK ASSY(1GR-FE)
    	09960-10010 Variable Pin Wrench Set	VALVE CLEARANCE(2UZ-FE) CYLINDER HEAD GASKET(2UZ-FE) CAMSHAFT (RH BANK)(2UZ-FE) CAMSHAFT (LH BANK)(2UZ-FE) OIL PUMP SEAL(2UZ-FE) TIMING BELT(2UZ-FE) PARTIAL ENGINE ASSY(2UZ-FE) CYLINDER HEAD GASKET NO.2(2UZ-FE)
	(09962-01000) Variable Pin Wrench Arm Assy	VALVE CLEARANCE(2UZ-FE) CYLINDER HEAD GASKET(2UZ-FE) CAMSHAFT (RH BANK)(2UZ-FE) CAMSHAFT (LH BANK)(2UZ-FE) OIL PUMP SEAL(2UZ-FE) TIMING BELT(2UZ-FE) PARTIAL ENGINE ASSY(2UZ-FE) CYLINDER HEAD GASKET NO.2(2UZ-FE)
	(09963-00350) Pin 3.5	PARTIAL ENGINE ASSY(2UZ-FE)
	(09963-00500) Pin 5	CYLINDER HEAD GASKET(2UZ-FE) CAMSHAFT (RH BANK)(2UZ-FE) CAMSHAFT (LH BANK)(2UZ-FE) PARTIAL ENGINE ASSY(2UZ-FE) CYLINDER HEAD GASKET NO.2(2UZ-FE)
	(09963-01000) Pin 10	VALVE CLEARANCE(2UZ-FE) CYLINDER HEAD GASKET(2UZ-FE) CAMSHAFT (RH BANK)(2UZ-FE) CAMSHAFT (LH BANK)(2UZ-FE) OIL PUMP SEAL(2UZ-FE) TIMING BELT(2UZ-FE) PARTIAL ENGINE ASSY(2UZ-FE) CYLINDER HEAD GASKET NO.2(2UZ-FE)

Recommended Tools

	09031-00040 Pin Punch	CYLINDER HEAD ASSY(2UZ-FE)
	09040-00011 Hexagon Wrench Set	CYLINDER HEAD ASSY(1GR-FE) PARTIAL ENGINE ASSY(1GR-FE) CYLINDER HEAD GASKET(1GR-FE) CYLINDER HEAD GASKET NO.2(1GR-FE) CHAIN SUB-ASSY(1GR-FE) VALVE CLEARANCE(1GR-FE) CAMSHAFT (RH BANK)(1GR-FE) CAMSHAFT (LH BANK)(1GR-FE) PARTIAL ENGINE ASSY(2UZ-FE) PARTIAL ENGINE ASSY(2UZ-FE)
	(09043-20060) Socket Hexagon Wrench 6	PARTIAL ENGINE ASSY(1GR-FE) CYLINDER HEAD GASKET(1GR-FE) CYLINDER HEAD GASKET NO.2(1GR-FE) CHAIN SUB-ASSY(1GR-FE) VALVE CLEARANCE(1GR-FE) CAMSHAFT (RH BANK)(1GR-FE) CAMSHAFT (LH BANK)(1GR-FE) PARTIAL ENGINE ASSY(1GR-FE) CYLINDER HEAD GASKET(1GR-FE) CYLINDER HEAD GASKET NO.2(1GR-FE) CHAIN SUB-ASSY(1GR-FE) PARTIAL ENGINE ASSY(2UZ-FE) CYLINDER HEAD ASSY(1GR-FE)
	(09043-20080) Socket Hexagon Wrench 8	
	(09043-20100) Socket Hexagon Wrench 10	
	(09043-30140) Straight Hexagon Wrench 14	
	09042-00010 Torx Socket T30	CYLINDER HEAD GASKET(1GR-FE) CYLINDER HEAD GASKET NO.2(1GR-FE) CHAIN SUB-ASSY(1GR-FE)
	09043-50100 Bi-hexagon Wrench 10 mm	PARTIAL ENGINE ASSY(1GR-FE) CYLINDER HEAD GASKET(1GR-FE) CYLINDER HEAD GASKET NO.2(1GR-FE)
	09200-00010 Engine Adjust Kit	PARTIAL ENGINE ASSY(2UZ-FE)
	09904-00010 Expander Set	PARTIAL ENGINE ASSY(2UZ-FE)

SSM

08826-00080	Seal Packing Black or equivalent (FIPG)	PARTIAL ENGINE ASSY(1GR-FE) CYLINDER HEAD GASKET(1GR-FE) CYLINDER HEAD GASKET NO.2(1GR-FE) CHAIN SUB-ASSY(1GR-FE) VALVE CLEARANCE(1GR-FE) CAMSHAFT (RH BANK)(1GR-FE) CAMSHAFT (LH BANK)(1GR-FE) CYLINDER HEAD GASKET(2UZ-FE) CAMSHAFT (RH BANK)(2UZ-FE) CAMSHAFT (LH BANK)(2UZ-FE) PARTIAL ENGINE ASSY(2UZ-FE) CYLINDER HEAD GASKET NO.2(2UZ-FE)
08826-00100	"Seal Packing 1282B," THREE BOND 1282B or equivalent (FIPG)	PARTIAL ENGINE ASSY(1GR-FE) CYLINDER HEAD GASKET(1GR-FE) CYLINDER HEAD GASKET NO.2(1GR-FE) CHAIN SUB-ASSY(1GR-FE) PARTIAL ENGINE ASSY(2UZ-FE)
08833-00070	"Adhesive 1324," THREE BOND 1324 or equivalent	CYLINDER HEAD ASSY(1GR-FE) CYLINDER BLOCK ASSY(1GR-FE) PARTIAL ENGINE ASSY(1GR-FE) ENGINE REAR OIL SEAL(1GR-FE) CYLINDER BLOCK ASSY(2UZ-FE) PARTIAL ENGINE ASSY(2UZ-FE) ENGINE REAR OIL SEAL(2UZ-FE)(From August, 2003)

Equipment

Alignment tester	
Angle gauge	
Bar	
CO/HC meter	
Compression gauge	
Connecting rod aligner	
Cylinder gauge	
Dial indicator with magnetic base	
Engine Sling Device	
Feeler gauge	
Heater	
Micrometer	
OBD II scan tool	
Piston ring compressor	
Piston ring expander	
Plastigage	
Precision straight edge	
Radiator cap tester	
Reamer	
Slide calipers	
Spring tester	
Steel square	
Tachometer	
Timing light	
Tire pressure gauge	

PREPARATION – ENGINE MECHANICAL

Toe-in gauge	
Torque wrench	
Valve seat cutter	
V-block	
Vernier calipers	
Wooden block	
Press	

EXHAUST

PREPARATION

0238F-01

Equipment

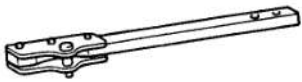
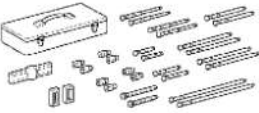
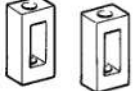
Vernier calipers	
Torque wrench	

COOLING

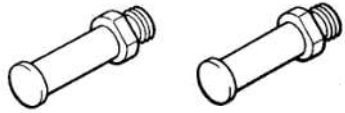
PREPARATION

SST

02389-01

 	09213-70011	Crankshaft Pulley Holding Tool	WATER PUMP ASSY(2UZ-FE)
	(09213-70020)	Bolt	WATER PUMP ASSY(2UZ-FE)
	09223-46011	Crankshaft Front Oil Seal Replacer	WATER PUMP ASSY(2UZ-FE)
	09330-00021	Companion Flange Holding Tool	WATER PUMP ASSY(2UZ-FE)
     	09950-50013	Puller C Set	WATER PUMP ASSY(2UZ-FE)
	(09951-05010)	Hanger 150	WATER PUMP ASSY(2UZ-FE)
	(09952-05010)	Slide Arm	WATER PUMP ASSY(2UZ-FE)
	(09953-05010)	Center Bolt 100	WATER PUMP ASSY(2UZ-FE)
	(09953-05020)	Center Bolt 150	WATER PUMP ASSY(2UZ-FE)
	(09954-05021)	Claw No.2	WATER PUMP ASSY(2UZ-FE)
 	09960-10010	Variable Pin Wrench Set	WATER PUMP ASSY(2UZ-FE)
	(09962-01000)	Variable Pin Wrench Arm Assy	WATER PUMP ASSY(2UZ-FE)

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	(09963-01000) Pin 10	WATER PUMP ASSY(2UZ-FE)
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Equipment

Heater	
Radiator cap tester	
Slide calipers	
Thermometer	
Torque wrench	

Coolant

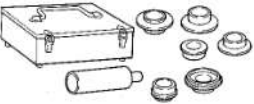
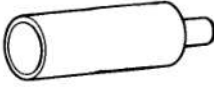
Item	Capacity	Classification
Engine coolant (1GR-FE)	9.8 liters (10.4 US qts, 8.6 Imp. qts)	"Toyota Super Long Life Coolant" or similar high quality ethylene glycol based non-silicate, non-amine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology
Engine coolant (2UZ-FE)	12.3 liters (13.0 US qts, 10.8 Imp. qts)	"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

LUBRICATION

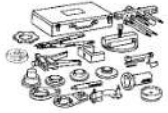
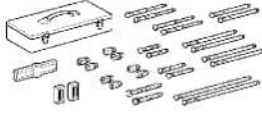
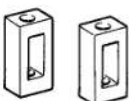
PREPARATION

SST

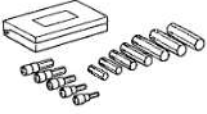
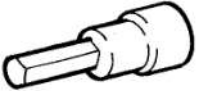
02388-01

	09023-12700	Union Nut Wrench 17mm	TIMING CHAIN OR BELT COVER SUB-ASSY(1GR-FE) OIL PUMP ASSY(2UZ-FE)
	09032-00100	Oil Pan Seal Cutter	TIMING CHAIN OR BELT COVER SUB-ASSY(1GR-FE) OIL PUMP ASSY(2UZ-FE)
	09213-54015	Crankshaft Pulley Holding Tool	TIMING CHAIN OR BELT COVER SUB-ASSY(1GR-FE)
	(91651-60855)	Bolt	TIMING CHAIN OR BELT COVER SUB-ASSY(1GR-FE)
	09213-70011	Crankshaft Pulley Holding Tool	OIL PUMP ASSY(2UZ-FE)
	(90105-08076)	Bolt	OIL PUMP ASSY(2UZ-FE)
	09223-46011	Crankshaft Front Oil Seal Replacer	OIL PUMP ASSY(2UZ-FE)
	09226-10010	Crankshaft Front & Rear Bearing Replacer	TIMING CHAIN OR BELT COVER SUB-ASSY(1GR-FE)
	09228-07501	Oil Filter Wrench	OIL FILTER SUB-ASSY(1GR-FE) OIL COOLER ASSY(1GR-FE) OIL FILTER ASSY(2UZ-FE) OIL COOLER ASSY(2UZ-FE)
	09316-60011	Transmission & Transfer Bearing Replacer	OIL PUMP ASSY(2UZ-FE)
	(09316-00011)	Replacer Pipe	OIL PUMP ASSY(2UZ-FE)
	09330-00021	Companion Flange Holding Tool	TIMING CHAIN OR BELT COVER SUB-ASSY(1GR-FE) OIL PUMP ASSY(2UZ-FE)

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 	09350-32014 TOYOTA Automatic Transmission Tool Set (09351-32020) Stator Stopper	OIL PUMP ASSY(2UZ-FE) OIL PUMP ASSY(2UZ-FE)
	09628-62011 Bolt Joint Puller	TIMING CHAIN OR BELT COVER SUB-ASSY(1GR-FE)
      	09950-50013 Puller C Set (09951-05010) Hanger 150 (09952-05010) Slide Arm (09953-05010) Center Bolt 100 (09953-05020) Center Bolt 150 (09954-05021) Claw No.2 (09954-05030) Claw No.3	TIMING CHAIN OR BELT COVER SUB-ASSY(1GR-FE) OIL PUMP ASSY(2UZ-FE) TIMING CHAIN OR BELT COVER SUB-ASSY(1GR-FE) OIL PUMP ASSY(2UZ-FE) TIMING CHAIN OR BELT COVER SUB-ASSY(1GR-FE) OIL PUMP ASSY(2UZ-FE) TIMING CHAIN OR BELT COVER SUB-ASSY(1GR-FE) OIL PUMP ASSY(2UZ-FE) TIMING CHAIN OR BELT COVER SUB-ASSY(1GR-FE) OIL PUMP ASSY(2UZ-FE)
  	09960-10010 Variable Pin Wrench Set (09962-01000) Variable Pin Wrench Arm Assy (09963-00350) Pin 3.5	OIL PUMP ASSY(2UZ-FE) OIL PUMP ASSY(2UZ-FE) OIL PUMP ASSY(2UZ-FE)

Recommended Tools

  	09040-00011	Hexagon Wrench Set	TIMING CHAIN OR BELT COVER SUB-ASSY(1GR-FE) OIL PUMP ASSY(2UZ-FE)
	(09043-20060)	Socket Hexagon Wrench 6	OIL PUMP ASSY(2UZ-FE)
	(09043-20080)	Socket Hexagon Wrench 8	TIMING CHAIN OR BELT COVER SUB-ASSY(1GR-FE)
	09042-00010	Torx Socket T30	TIMING CHAIN OR BELT COVER SUB-ASSY(1GR-FE)
	09904-00010	Expander Set	OIL PUMP ASSY(2UZ-FE)

SSM

08826-00080	Seal Packing Black or equivalent (FIPG)	TIMING CHAIN OR BELT COVER SUB-ASSY(1GR-FE) OIL PUMP ASSY(2UZ-FE)
08826-00100	"Seal Packing 1282B," THREE BOND 1282B or equivalent (FIPG)	TIMING CHAIN OR BELT COVER SUB-ASSY(1GR-FE)

Equipment

Alignment tester	
Angle gauge	
Dial indicator with magnetic base	
Feeler gauge	
Precision straight edge	
Radiator cap tester	
Tire pressure gauge	
Toe-in gauge	
Torque wrench	
Wooden block	
CO/HC meter	
Straight edge	
Press	

Lubricant

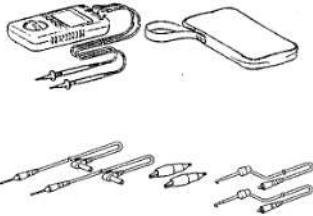
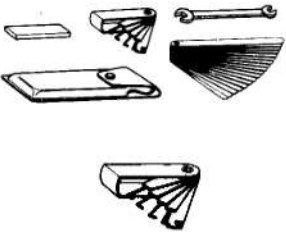
Item	Capacity	Classification
Oil grade	–	API grade SL or SJ, Energy-Conserving or IL-SAC, multi-grade engine oil
Drain and refill (1GR-FE) w/ oil filter change w/o oil filter change	5.2 liters (5.5 US qts, 4.6 Imp. qts) 4.9 liters (5.2 US qts, 4.3 Imp. qts)	–
Drain and refill (2UZ-FE) w/ oil filter change w/o oil filter change	6.2 liters (6.5 US qts, 5.5 Imp. qts) 5.7 liters (6.0 US qts, 5.0 Imp. qts)	–
Dry fill (1GR-FE)	6.0 liters (6.3 US qts, 5.3 Imp. qts)	–
Dry fill (2UZ-FE)	7.1 liters (7.5 US qts, 6.2 Imp. qts)	–

IGNITION

PREPARATION

0238G-01

Recommended Tools

	09082-00040	TOYOTA Electrical Tester	IGNITION SYSTEM(1GR-FE) IGNITION SYSTEM(2UZ-FE)
	(09083-00150)	Test Lead Set	IGNITION SYSTEM(1GR-FE) IGNITION SYSTEM(2UZ-FE)
	09200-00010	Engine Adjust Kit	IGNITION SYSTEM(1GR-FE) IGNITION SYSTEM(2UZ-FE)
	(09857-00031)	Spark Plug Gap Gauge	IGNITION SYSTEM(1GR-FE) IGNITION SYSTEM(2UZ-FE)

Equipment

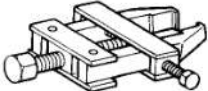
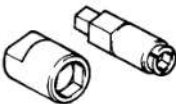
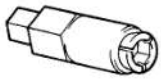
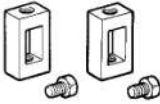
Spark plug cleaner	
Torque wrench	

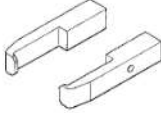
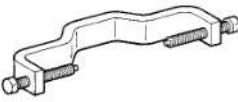
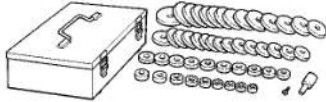
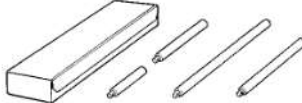
STARTING & CHARGING

PREPARATION

SST

0238H-01

	09285-76010	Injection Pump Camshaft Bearing Cone Replacer	GENERATOR ASSY(1GR-FE) GENERATOR ASSY(2UZ-FE)
	09820-00021	Alternator Rear Bearing Puller	GENERATOR ASSY(1GR-FE) GENERATOR ASSY(2UZ-FE)
	09820-00031	Alternator Rotor Rear Bearing Replacer	GENERATOR ASSY(1GR-FE) GENERATOR ASSY(2UZ-FE)
	09820-63010	Alternator Pulley Set Nut Wrench Set	GENERATOR ASSY(1GR-FE)
	(09820-06010)	Alternator Rotor Shaft Wrench	GENERATOR ASSY(1GR-FE)
	(09820-06020)	Alternator Pulley Set Nut 22 mm Wrench	GENERATOR ASSY(1GR-FE)
	09820-63011	Alternator Pulley Set Nut Wrench Set	GENERATOR ASSY(2UZ-FE)
	09950-40011	Puller B Set	GENERATOR ASSY(1GR-FE) GENERATOR ASSY(2UZ-FE)
	(09951-04020)	Hanger 200	GENERATOR ASSY(1GR-FE) GENERATOR ASSY(2UZ-FE)
	(09952-04010)	Slide Arm	GENERATOR ASSY(1GR-FE) GENERATOR ASSY(2UZ-FE)
	(09953-04020)	Center Bolt 150	GENERATOR ASSY(1GR-FE) GENERATOR ASSY(2UZ-FE)
	(09954-04010)	Arm 25	GENERATOR ASSY(1GR-FE) GENERATOR ASSY(2UZ-FE)

  	(09955-04071) Claw No.7	GENERATOR ASSY(1GR-FE) GENERATOR ASSY(2UZ-FE)
	(09957-04010) Attachment	GENERATOR ASSY(1GR-FE) GENERATOR ASSY(2UZ-FE)
	(09958-04011) Holder	GENERATOR ASSY(1GR-FE) GENERATOR ASSY(2UZ-FE)
  	09950-60010 Replacer Set	GENERATOR ASSY(1GR-FE) GENERATOR ASSY(2UZ-FE)
	(09951-00250) Replacer 25	GENERATOR ASSY(1GR-FE) GENERATOR ASSY(2UZ-FE)
	(09951-00470) Replacer 47	GENERATOR ASSY(1GR-FE) GENERATOR ASSY(2UZ-FE)
 	09950-70010 Handle Set	GENERATOR ASSY(1GR-FE) GENERATOR ASSY(2UZ-FE)
	(09951-07100) Handle 100	GENERATOR ASSY(1GR-FE) GENERATOR ASSY(2UZ-FE)

Recommended Tools

 	09082-00040 TOYOTA Electrical Tester	GENERATOR ASSY(1GR-FE) STARTER ASSY(2UZ-FE)
	(09083-00150) Test Lead Set	GENERATOR ASSY(1GR-FE)
 	09904-00010 Expander Set	STARTER ASSY(1.6KW)(1GR-FE)
	(09904-00050) No. 4 Claw	STARTER ASSY(1.6KW)(1GR-FE)

Equipment

Ammeter (A)	
Dial indicator with magnetic base	
Ohmmeter	

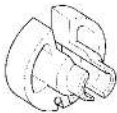
Pull scale	
Service Wire Harness	
Torque wrench	
V-block	
Vernier calipers	
Press	
Dial indicator	

SUSPENSION CONTROL SYSTEM

021XQ-01

PREPARATION

SST

	09730-00010 Tube Remover	HEIGHT CONTROL RESERVOIR ASSY
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Equipment

Torque wrench	
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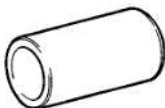
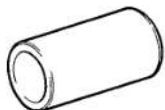
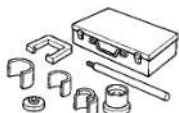
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FRONT SUSPENSION

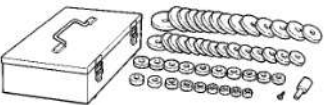
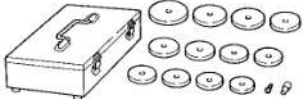
PREPARATION

SST

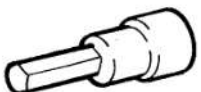
021XP-01

	09223-00010	Cover & Seal Replacer	FRONT SUSPENSION ARM SUB-ASSY LOWER NO.1 LH
	09612-30012	Steering Worm Bearing Puller	FRONT SUSPENSION ARM SUB-ASSY LOWER NO.1 LH
	09613-26010	Steering Worm Bearing Cone Remover	FRONT SUSPENSION UPPER ARM ASSY LH
	09628-00011	Ball Joint Puller	FRONT SUSPENSION ARM SUB-ASSY LOWER NO.1 LH
	09628-62011	Ball Joint Puller	FRONT SUSPENSION UPPER ARM ASSY LH
	09632-36010	Steering Vane Pump Bearing Replacer	FRONT SUSPENSION ARM SUB-ASSY LOWER NO.1 LH
	09710-22021	Front Suspension Bushing Tool Set	FRONT SHOCK ABSORBER WITH COIL SPRING FRONT SUSPENSION UPPER ARM ASSY LH
	(09710-01031)	Upper Arm Bushing Replacer	FRONT SUSPENSION UPPER ARM ASSY LH
	(09710-01071)	Lower Arm Bushing Remover	FRONT SHOCK ABSORBER WITH COIL SPRING
	(09710-01081)	Lower Arm Bushing Replacer	FRONT SHOCK ABSORBER WITH COIL SPRING
	09710-26010	Rear Suspension Bushing Tool Set	FRONT SUSPENSION UPPER ARM ASSY LH FRONT SUSPENSION ARM SUB-ASSY LOWER NO.1 LH
	(09710-05061)	Replacer	FRONT SUSPENSION UPPER ARM ASSY LH

PREPARATION – FRONT SUSPENSION

	(09710-05081) Rear Base	FRONT SUSPENSION ARM SUB-ASSY LOWER NO.1 LH
	09727-00060 "Arm Set "C""	FRONT SHOCK ABSORBER WITH COIL SPRING
	09727-30021 Coil Spring Compressor	FRONT SHOCK ABSORBER WITH COIL SPRING
	(09727-00010) Bolt Set	FRONT SHOCK ABSORBER WITH COIL SPRING
	(09727-00031) Compressor	FRONT SHOCK ABSORBER WITH COIL SPRING
	09950-00020 Bearing Remover	FRONT SUSPENSION UPPER ARM ASSY LH FRONT SUSPENSION ARM SUB-ASSY LOWER NO.1 LH
	09950-60010 Replacer Set	FRONT SUSPENSION ARM SUB-ASSY LOWER NO.1 LH
	(09951-00400) Replacer 40	FRONT SUSPENSION ARM SUB-ASSY LOWER NO.1 LH
	09950-60020 Replacer Set No.2	FRONT SUSPENSION ARM SUB-ASSY LOWER NO.1 LH
	(09951-00890) Replacer 89	FRONT SUSPENSION ARM SUB-ASSY LOWER NO.1 LH

Recommended Tools

	09040-00011 Hexagon Wrench Set	FRONT SHOCK ABSORBER WITH COIL SPRING STABILIZER BAR FRONT
	(09043-20060) Socket Hexagon Wrench 6	FRONT SHOCK ABSORBER WITH COIL SPRING STABILIZER BAR FRONT

Equipment

Torque wrench	
Dial indicator with magnetic base	
Tire pressure gauge	
Alignment tester	
Toe-in gauge	
Angle gauge	

REAR SUSPENSION

PREPARATION

021UT-01

SST

	09023-00100 Union Nut Wrench 10 mm	COIL SPRING REAR LH
	09730-00010 Tube Remover	PNEUMATIC CYLINDER ASSY REAR LH

Equipment

Torque wrench	
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TIRE & WHEEL

PREPARATION

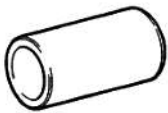
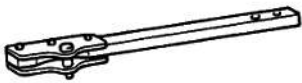
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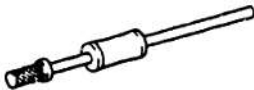
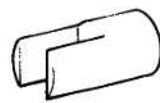
Equipment

Torque wrench	
Dial indicator with magnetic base	
Wheel balancer	

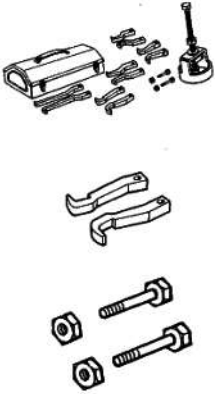
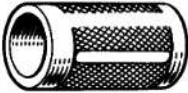
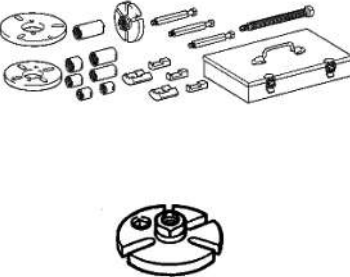
DIFFERENTIAL PREPARATION SST

02380-01

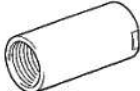
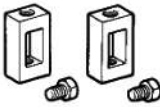
	09223-00010	Cover & Seal Replacer	DIFFERENTIAL FRONT(4WD)	CARRIER	ASSY
	09223-15020	Oil Seal & Bearing Replacer	DIFFERENTIAL REAR	CARRIER	ASSY
	09226-10010	Crankshaft Front & Rear Bearing Replacer	DIFFERENTIAL FRONT(4WD)	CARRIER	ASSY
	09308-00010	Oil Seal Puller	REAR DIFFERENTIAL CARRIER OIL SEAL DIFFERENTIAL SIDE GEAR SHAFT OIL SEAL(4WD) DIFFERENTIAL FRONT(4WD)	CARRIER	ASSY
	09308-10010	Oil Seal Puller	DIFFERENTIAL REAR REAR DIFFERENTIAL CARRIER OIL SEAL DIFFERENTIAL FRONT(4WD)	CARRIER	ASSY
	09316-60011	Transmission & Transfer Bearing Replacer	DIFFERENTIAL REAR REAR DIFFERENTIAL CARRIER OIL SEAL	CARRIER	ASSY
	(09316-00011)	Replacer Pipe	DIFFERENTIAL REAR REAR DIFFERENTIAL CARRIER OIL SEAL	CARRIER	ASSY
	(09316-00021)	Replacer "A"	DIFFERENTIAL REAR REAR DIFFERENTIAL CARRIER OIL SEAL	CARRIER	ASSY
	(09316-00051)	Replacer "D"	DIFFERENTIAL REAR	CARRIER	ASSY
	09330-00021	Companion Flange Holding Tool	DIFFERENTIAL REAR REAR DIFFERENTIAL CARRIER OIL SEAL DIFFERENTIAL FRONT(4WD)	CARRIER	ASSY
	(09330-00030)	Pin	DIFFERENTIAL REAR REAR DIFFERENTIAL CARRIER OIL SEAL DIFFERENTIAL FRONT(4WD)	CARRIER	ASSY

	09350-20015	TOYOTA Automatic Transmission Tool Set	DIFFERENTIAL CARRIER ASSY FRONT(1GR-FE (4WD))
	(09369-20040)	Piston Spring Compressor Set	DIFFERENTIAL CARRIER ASSY FRONT(1GR-FE (4WD))
	09502-12010	Differential Bearing Replacer	DIFFERENTIAL CARRIER ASSY FRONT(4WD)
	09504-00011	Differential Side Bearing Adjusting Nut Wrench	DIFFERENTIAL CARRIER ASSY REAR
	09506-30012	Differential Drive Pinion Rear Bearing Cone Replacer	DIFFERENTIAL CARRIER ASSY REAR DIFFERENTIAL CARRIER ASSY FRONT(4WD)
	09520-01010	Drive Shaft Remover Attachment	DIFFERENTIAL SIDE GEAR SHAFT OIL SEAL(4WD)
	09520-24010	Differential Side Gear Shaft Puller	DIFFERENTIAL SIDE GEAR SHAFT OIL SEAL(4WD)
	(09520-32040)	Shocker Set	DIFFERENTIAL SIDE GEAR SHAFT OIL SEAL(4WD)
	09554-22010	Differential Oil Seal Replacer	DIFFERENTIAL CARRIER ASSY FRONT(4WD)
	09554-30011	Differential Oil Seal Replacer	DIFFERENTIAL CARRIER ASSY REAR REAR DIFFERENTIAL CARRIER OIL SEAL DIFFERENTIAL SIDE GEAR SHAFT OIL SEAL(4WD)
	09556-22010	Drive Pinion Front Bearing Remover	DIFFERENTIAL CARRIER ASSY REAR REAR DIFFERENTIAL CARRIER OIL SEAL DIFFERENTIAL CARRIER ASSY FRONT(4WD)
	09564-32011	Differential Preload Adaptor	DIFFERENTIAL CARRIER ASSY FRONT(4WD)
	09608-32010	Steering Knuckle Oil Seal Replacer	DIFFERENTIAL CARRIER ASSY FRONT(4WD)

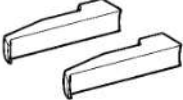
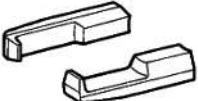
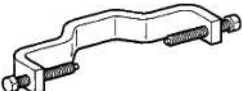
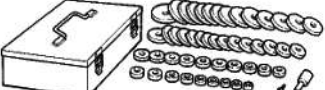
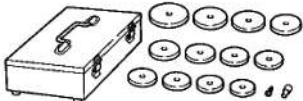
PREPARATION - DIFFERENTIAL

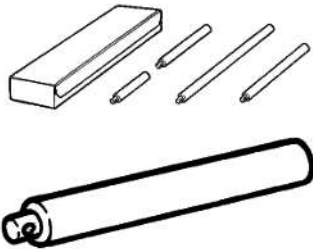
	09612-65014	Steering Worm Bearing Puller	DIFFERENTIAL FRONT(4WD)	CARRIER	ASSY
	(09612-01020)	Claw "B"	DIFFERENTIAL FRONT(4WD)	CARRIER	ASSY
	(09612-01050)	Hanger Pin with Nut	DIFFERENTIAL FRONT(4WD)	CARRIER	ASSY
	09628-62011	Boll Joint Puller	DIFFERENTIAL FRONT(4WD)	SIDE GEAR SHAFT OIL SEAL(4WD)	CARRIER ASSY
	09636-20010	Upper Ball Joint Dust Cover Replacer	DIFFERENTIAL REAR	CARRIER	ASSY
	09930-00010	Drive Shaft Nut Chisel	DIFFERENTIAL REAR REAR DIFFERENTIAL CARRIER OIL SEAL DIFFERENTIAL SIDE GEAR SHAFT OIL SEAL(4WD)	CARRIER	ASSY FRONT(4WD)
	09950-00020	Bearing Remover	DIFFERENTIAL REAR DIFFERENTIAL FRONT(4WD)	CARRIER	ASSY
	(09951-00680)	Replacer 68	DIFFERENTIAL FRONT(4WD)	CARRIER	ASSY
	(09951-00890)	Replacer 89	DIFFERENTIAL FRONT(4WD)	CARRIER	ASSY
	09950-30012	Puller A Set	DIFFERENTIAL REAR REAR DIFFERENTIAL CARRIER OIL SEAL DIFFERENTIAL FRONT(4WD)	CARRIER	ASSY
	(09951-03010)	Upper Plate	DIFFERENTIAL REAR REAR DIFFERENTIAL CARRIER OIL SEAL DIFFERENTIAL FRONT(4WD)	CARRIER	ASSY

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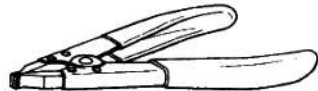
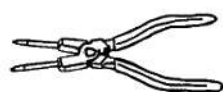
	(09953-03010) Center Bolt	DIFFERENTIAL CARRIER ASSY REAR REAR DIFFERENTIAL CARRIER OIL SEAL DIFFERENTIAL CARRIER ASSY FRONT(4WD)
	(09954-03010) Arm	DIFFERENTIAL CARRIER ASSY REAR REAR DIFFERENTIAL CARRIER OIL SEAL DIFFERENTIAL CARRIER ASSY FRONT(4WD)
	(09955-03030) Lower Plate 130	DIFFERENTIAL CARRIER ASSY REAR REAR DIFFERENTIAL CARRIER OIL SEAL DIFFERENTIAL CARRIER ASSY FRONT(4WD)
	(09956-03020) Adapter 18	DIFFERENTIAL CARRIER ASSY FRONT(4WD)
	(09956-03030) Adaptor 20	DIFFERENTIAL CARRIER ASSY REAR REAR DIFFERENTIAL CARRIER OIL SEAL
	09950-40011 Puller B Set	DIFFERENTIAL CARRIER ASSY REAR DIFFERENTIAL CARRIER ASSY FRONT(4WD)
	(09951-04010) Hanger 150	DIFFERENTIAL CARRIER ASSY REAR
	(09951-04020) Hanger 200	DIFFERENTIAL CARRIER ASSY FRONT(4WD)
	(09952-04010) Slide Arm	DIFFERENTIAL CARRIER ASSY REAR DIFFERENTIAL CARRIER ASSY FRONT(4WD)
	(09953-04020) Center Bolt 150	DIFFERENTIAL CARRIER ASSY REAR
	(09953-04030) Center Bolt 200	DIFFERENTIAL CARRIER ASSY FRONT(4WD)
	(09954-04010) Arm 25	DIFFERENTIAL CARRIER ASSY REAR DIFFERENTIAL CARRIER ASSY FRONT(4WD)

PREPARATION - DIFFERENTIAL

   	(09955-04011) Claw No.1	DIFFERENTIAL CARRIER ASSY FRONT(1GR-FE (4WD))
	(09955-04061) Claw No.6	DIFFERENTIAL CARRIER ASSY REAR DIFFERENTIAL CARRIER ASSY FRONT(4WD)
	(09957-04010) Attachment	DIFFERENTIAL CARRIER ASSY REAR DIFFERENTIAL CARRIER ASSY FRONT(4WD)
	(09958-04011) Holder	DIFFERENTIAL CARRIER ASSY REAR DIFFERENTIAL CARRIER ASSY FRONT(4WD)
    	09950-60010 Replacer Set	DIFFERENTIAL CARRIER ASSY REAR DIFFERENTIAL CARRIER ASSY FRONT(4WD)
	(09951-00380) Replacer 38	DIFFERENTIAL CARRIER ASSY REAR
	(09951-00390) Replacer 39	DIFFERENTIAL CARRIER ASSY FRONT(4WD)
	(09951-00480) Replacer 48	DIFFERENTIAL CARRIER ASSY REAR
	(09951-00550) Replacer 55	DIFFERENTIAL CARRIER ASSY REAR
   	09950-60020 Replacer Set No.2	DIFFERENTIAL CARRIER ASSY REAR DIFFERENTIAL CARRIER ASSY FRONT(4WD)
	(09951-00680) Replacer 68	DIFFERENTIAL CARRIER ASSY FRONT(4WD)
	(09951-00730) Replacer 73	DIFFERENTIAL CARRIER ASSY REAR
	(09951-00810) Replacer 81	DIFFERENTIAL CARRIER ASSY FRONT(4WD)

	09950-70010	Handle Set	DIFFERENTIAL CARRIER ASSY REAR
	(09951-07150)	Handle 150	DIFFERENTIAL CARRIER ASSY FRONT(4WD)
			DIFFERENTIAL CARRIER ASSY REAR
			DIFFERENTIAL CARRIER ASSY FRONT(4WD)

Recommended Tools

	09011-12301	Socket Wrench 30 mm	DIFFERENTIAL CARRIER ASSY FRONT(4WD)
	09031-00030	Pin Punch	DIFFERENTIAL CARRIER ASSY FRONT(4WD)
	09044-00020	Torx Socket E10	DIFFERENTIAL CARRIER ASSY REAR
	09905-00012	Snap Ring No.1 Expander	DIFFERENTIAL CARRIER ASSY REAR
			DIFFERENTIAL CARRIER ASSY FRONT(4WD)
	09905-00013	Snap Ring Pliers	DIFFERENTIAL CARRIER ASSY FRONT(4WD)

Equipment

Dial indicator	
Micrometer	
Torque wrench	
Vernier calipers	
Press	

Lubricant

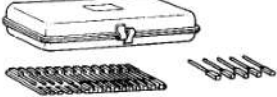
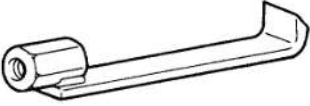
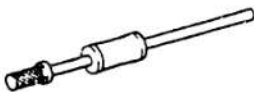
Item	Capacity	Classification
Front differential oil	1.40 ± 0.05 liters (1.48 ± 0.05 US qts, 1.23 ± 0.04 Imp.qts)	Hypoid gear oil APL GL-5 Above – 18°C (0°F): SAE 90 Below – 18°C (0°F): SAE 80W or 80W – 90
Rear differential oil	3.05 ± 0.05 liters (3.22 ± 0.05 US qts, 2.68 ± 0.04 Imp.qts)	Hypoid gear oil APL GL-5 Above – 18°C (0°F): SAE 90 Below – 18°C (0°F): SAE 80W or 80W – 90

DRIVE SHAFT / PROPELLER SHAFT

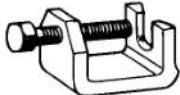
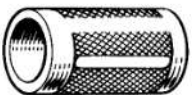
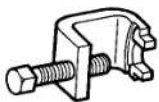
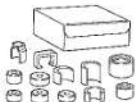
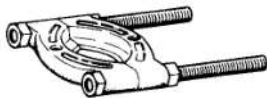
PREPARATION

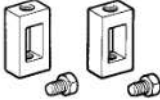
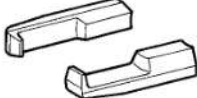
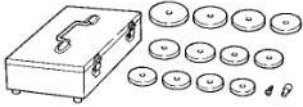
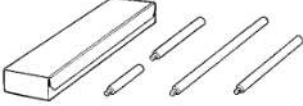
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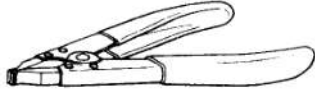
	09023-00100	Union Nut Wrench 10 mm	FRONT AXLE HUB SUB-ASSY LH FRONT AXLE LH HUB BOLT REAR AXLE SHAFT LH
	09240-00020	Wire Gauge Set	FRONT DRIVE SHAFT ASSY LH(4WD)
	09308-00010	Oil Seal Puller	FRONT AXLE HUB SUB-ASSY LH REAR AXLE SHAFT LH
	09318-12010	Transfer Bearing Adjusting Nut Wrench	FRONT AXLE HUB SUB-ASSY LH
	09325-40010	Transmission Oil Plug	PROPELLER SHAFT ASSY
	09332-25010	Propeller Shaft Center Bearing Replacer	PROPELLER SHAFT ASSY PROPELLER SHAFT ASSY FRONT(4WD)
	09520-01010	Drive Shaft Remover Attachment	FRONT DRIVE SHAFT ASSY LH(4WD)
	09520-24010	Differential Side Gear Shaft Puller	FRONT DRIVE SHAFT ASSY LH(4WD)
	(09520-32040)	Shocker Set	FRONT DRIVE SHAFT ASSY LH(4WD)
	09521-24010	Rear Axle Shaft Puller	FRONT DRIVE SHAFT ASSY LH(4WD)
	09521-25011	Rear Axle Shaft Puller	REAR AXLE SHAFT LH
	09521-25021	Rear Axle Shaft Puller Attachment	REAR AXLE SHAFT LH

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	09527-10011	Rear Axle Shaft Bearing Remover	FRONT DRIVE SHAFT ASSY LH(4WD)
	09527-17011	Rear Axle Shaft Bearing Remover	FRONT AXLE HUB SUB-ASSY LH
	09611-12010	Tie Rod End Puller	FRONT AXLE LH HUB BOLT
	09628-62011	Ball Joint Puller	FRONT AXLE HUB SUB-ASSY LH FRONT DRIVE SHAFT ASSY LH(4WD)
	09636-20010	Upper Ball Joint Dust Cover Replacer	PROPELLER SHAFT ASSY PROPELLER SHAFT ASSY FRONT(4WD)
	09649-17010	Steering Knuckle Tool	FRONT AXLE HUB SUB-ASSY LH
	09650-17011	Hub Bolt Remover	REAR AXLE SHAFT LH REAR AXLE LH HUB BOLT
	09710-30021	Suspension Bushing Tool Set	FRONT AXLE HUB SUB-ASSY LH
	(09710-03051)	Bushing Replacer	FRONT AXLE HUB SUB-ASSY LH
	09930-00010	Drive Shaft Nut Chisel	FRONT AXLE HUB SUB-ASSY LH
	09950-00020	Bearing Remover	FRONT DRIVE SHAFT ASSY LH(4WD)
	09950-40011	Puller B Set	FRONT AXLE HUB SUB-ASSY LH
	(09951-04020)	Hanger 200	FRONT AXLE HUB SUB-ASSY LH

	(09952-04010) Slide Arm	FRONT AXLE HUB SUB-ASSY LH
	(09953-04020) Center Bolt 150	FRONT AXLE HUB SUB-ASSY LH
	(09954-04010) Arm 25	FRONT AXLE HUB SUB-ASSY LH
	(09955-04061) Claw No.6	FRONT AXLE HUB SUB-ASSY LH
	(09957-04010) Attachment	FRONT AXLE HUB SUB-ASSY LH
	(09958-04011) Holder	FRONT AXLE HUB SUB-ASSY LH
	09950-60020 Replacer Set No.2	REAR AXLE SHAFT LH
	(09951-00770) Replacer 77	REAR AXLE SHAFT LH
	09950-70010 Handle Set	FRONT AXLE HUB SUB-ASSY LH REAR AXLE SHAFT LH
	(09951-07100) Handle 100	FRONT AXLE HUB SUB-ASSY LH
	(09951-07150) Handle 150	REAR AXLE SHAFT LH
	09951-01000 Replacer 100	FRONT AXLE HUB SUB-ASSY LH

Recommended Tools

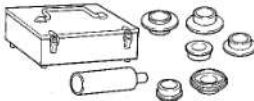
	09905-00012 Snap Ring No.1 Expander	REAR AXLE SHAFT LH FRONT DRIVE SHAFT ASSY LH(4WD)
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Equipment

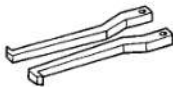
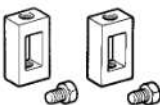
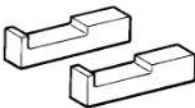
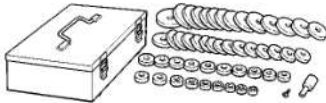
Torque wrench	
Dial indicator with magnetic base	
Spring tension gauge	

TRANSFER PREPARATION SST

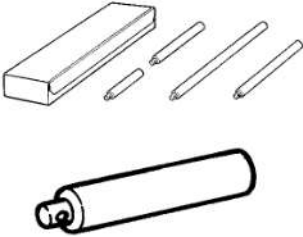
021VB-02

	09023-12700	Union Nut Wrench 17mm	TRANSFER CASE OIL SEAL TRANSFER ASSY OIL (TRANSFER EXTENSION FRONT HOUSING SUB-ASSY) SEAL
	09223-15020	Oil Seal & Bearing Replacer	TRANSFER ASSY
	09223-46011	Crankshaft Front Oil Seal Replacer	TRANSFER ASSY OIL (TRANSFER EXTENSION FRONT HOUSING SUB-ASSY) SEAL
	09308-00010	Oil Seal Puller	TRANSFER CASE OIL SEAL OIL (TRANSFER EXTENSION FRONT HOUSING SUB-ASSY) SEAL
	09316-60011	Transmission & Transfer Bearing Replacer	TRANSFER CASE OIL SEAL TRANSFER ASSY
	(09316-00011)	Replacer Pipe	TRANSFER CASE OIL SEAL TRANSFER ASSY
	(09316-00031)	Replacer "B"	TRANSFER ASSY
	(09316-00071)	Replacer "F"	TRANSFER ASSY
	09330-00021	Companion Flange Holding Tool	TRANSFER ASSY
	09515-30010	Rear Wheel Bearing Replacer	TRANSFER ASSY
	09554-30011	Differential Oil Seal Replacer	TRANSFER ASSY
	09555-55010	Differential Drive Pinion Bearing Replacer	TRANSFER ASSY

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  	09612-65014 Steering Worm Bearing Puller (09612-01030) Claw "C" (09612-01050) Hanger Pin with Nut	TRANSFER ASSY TRANSFER ASSY TRANSFER ASSY
	09631-32020 Seal Ring Tool	TRANSFER ASSY OIL (TRANSFER EXTENSION FRONT HOUSING SUB-ASSY) SEAL
       	09950-40011 Puller B Set (09951-04020) Hanger 200 (09952-04010) Slide Arm (09953-04030) Center Bolt 200 (09954-04010) Arm 25 (09955-04051) Claw No.5 (09957-04010) Attachment (09958-04011) Holder	TRANSFER ASSY TRANSFER ASSY TRANSFER ASSY TRANSFER ASSY TRANSFER ASSY TRANSFER ASSY TRANSFER ASSY TRANSFER ASSY
	09950-60010 Replacer Set	TRANSFER ASSY

PREPARATION – TRANSFER

	(09951-00320) Replacer 32	TRANSFER ASSY
	(09951-00570) Replacer 57	TRANSFER ASSY
	(09951-00590) Replacer 59	TRANSFER ASSY
	09950-70010 Handle Set	TRANSFER ASSY
	(09951-07100) Handle 100	TRANSFER ASSY

Equipment

Dial indicator with magnetic base	
Micrometer	
Torque wrench	
Plastic hammer	
Vernier calipers	

Lubricant

Transfer oil	1.4 liters (1.5 US qts, 1.2 Imp. qts)	API GL-5 SAE 75W-90
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SSM (Special Service Materials)

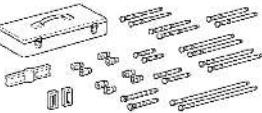
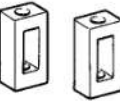
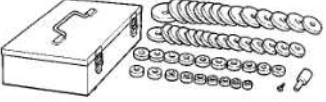
08826-00090	"Seal Packing 1281," THREE BOND 1281 or equivalent (FIPG)	
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BRAKE

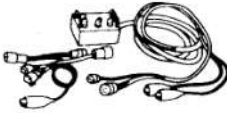
PREPARATION

SST

021UW-02

	09023-00100	Union Nut Wrench 10 mm	FRONT BRAKE BRAKE MASTER CYLINDER SUB-ASSY
	09318-12010	Transfer Bearing Adjusting Nut Wrench	BRAKE MASTER CYLINDER SUB-ASSY
	09630-00014	Power Steering Gear Housing Overhaul Tool Set	BRAKE MASTER CYLINDER SUB-ASSY
	(09631-00142)	Overhaul Stand	BRAKE MASTER CYLINDER SUB-ASSY
	09950-50013	Puller C Set	STEERING SENSOR
	(09951-05010)	Hanger 150	STEERING SENSOR
	(09952-05010)	Slide Arm	STEERING SENSOR
	(09953-05020)	Center Bolt 150	STEERING SENSOR
	(09954-05021)	Claw No.2	STEERING SENSOR
	09950-60010	Replacer Set	BRAKE MASTER CYLINDER SUB-ASSY
	(09951-00180)	Replacer 18	BRAKE MASTER CYLINDER SUB-ASSY
	(09951-00190)	Replacer 19	BRAKE MASTER CYLINDER SUB-ASSY

PREPARATION – BRAKE

	09990-00150	ABS Actuator Checker and Sub-harness	BRAKE FLUID FRONT BRAKE REAR BRAKE
	09990-00480	ABS Actuator Checker Sub-harness "S"	BRAKE FLUID FRONT BRAKE REAR BRAKE

Recommended Tools

	09042-00010	Torx Socket T30	STEERING SENSOR
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Equipment

Slide calipers	Hexagon wrench
Dial indicator	
Micrometer	
Torque wrench	

Lubricant

Item	Capacity	Classification
Brake fluid	–	SAE J1703 or FMVSS No. 116 DOT3

PARKING BRAKE

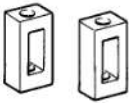
PREPARATION

SST

021UX-01

	07110-58060 Air Conditioner Service Tool Set	PARKING BRAKE CONTROL PEDAL ASSY PARKING BRAKE CABLE ASSY NO.1
	(07117-58060) Refrigerant Drain Service Valve	PARKING BRAKE CONTROL PEDAL ASSY PARKING BRAKE CABLE ASSY NO.1
	(07117-58070) T-Joint	PARKING BRAKE CONTROL PEDAL ASSY PARKING BRAKE CABLE ASSY NO.1
	(07117-58080) Quick Disconnect Adapter	PARKING BRAKE CONTROL PEDAL ASSY PARKING BRAKE CABLE ASSY NO.1
	(07117-58090) Quick Disconnect Adapter	PARKING BRAKE CONTROL PEDAL ASSY PARKING BRAKE CABLE ASSY NO.1
	(07117-78050) Refrigerant Charging Gauge	PARKING BRAKE CONTROL PEDAL ASSY PARKING BRAKE CABLE ASSY NO.1
	(07117-88060) Refrigerant Charging Hose	PARKING BRAKE CONTROL PEDAL ASSY PARKING BRAKE CABLE ASSY NO.1
	(07117-88070) Refrigerant Charging Hose	PARKING BRAKE CONTROL PEDAL ASSY PARKING BRAKE CABLE ASSY NO.1
	(07117-88080) Refrigerant Charging Hose	PARKING BRAKE CONTROL PEDAL ASSY PARKING BRAKE CABLE ASSY NO.1
	09870-00015 A/C Quick Joint Puller No.1	PARKING BRAKE CONTROL PEDAL ASSY PARKING BRAKE CABLE ASSY NO.1
	09870-00025 A/C Quick Joint Puller No.2	PARKING BRAKE CONTROL PEDAL ASSY PARKING BRAKE CABLE ASSY NO.1
	09950-50013 Puller C Set	PARKING BRAKE CONTROL PEDAL ASSY PARKING BRAKE CABLE ASSY NO.1

PREPARATION – PARKING BRAKE

	(09951-05010) Hanger 150	PARKING BRAKE CONTROL PEDAL ASSY PARKING BRAKE CABLE ASSY NO.1
	(09952-05010) Slide Arm	PARKING BRAKE CONTROL PEDAL ASSY PARKING BRAKE CABLE ASSY NO.1
	(09953-05020) Center Bolt 150	PARKING BRAKE CONTROL PEDAL ASSY PARKING BRAKE CABLE ASSY NO.1
	(09954-05021) Claw No.2	PARKING BRAKE CONTROL PEDAL ASSY PARKING BRAKE CABLE ASSY NO.1

Recommended Tools

	09041-00030 Torx Driver T30	PARKING BRAKE CONTROL PEDAL ASSY PARKING BRAKE CABLE ASSY NO.1
	09042-00010 Torx Socket T30	PARKING BRAKE CONTROL PEDAL ASSY PARKING BRAKE CABLE ASSY NO.1
	09070-20010 Moulding Remover	PARKING BRAKE CONTROL PEDAL ASSY PARKING BRAKE CABLE ASSY NO.1
	95416-00140 Gas Leak Detector (Halogen Leak Detector) (DENSO Part No.)	PARKING BRAKE CONTROL PEDAL ASSY PARKING BRAKE CABLE ASSY NO.1

Equipment

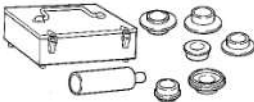
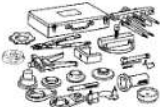
Torque wrench	
Slide calipers	

AUTOMATIC TRANSMISSION / TRANS

PREPARATION

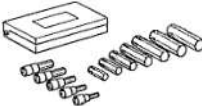
SST

023A4-01

	09023-12700 Union Nut Wrench 17mm	AUTOMATIC TRANSMISSION ASSY(A340E) TEMPERATURE SENSOR(A340E/A340F) AUTOMATIC TRANSMISSION ASSY(A340F) AUTOMATIC TRANSMISSION ASSY(A750E) (From August, 2003) AUTOMATIC TRANSMISSION ASSY(A750F) (From August, 2003)
	09032-00100 Oil Pan Seal Cutter	TRANSMISSION VALVE BODY ASSY(A340E/A340F) TRANSMISSION WIRE(A340E/A340F) TRANSMISSION VALVE BODY ASSY(A750E/A750F) (From August, 2003) TRANSMISSION WIRE(A750E/A750F) (From August, 2003)
	09308-00010 Oil Seal Puller	AUTOMATIC TRANSMISSION EXTENSION HOUSING OIL SEAL(A340E) AUTOMATIC TRANSMISSION EXTENSION HOUSING OIL SEAL(A750E) (From August, 2003)
	09316-60011 Transmission & Transfer Bearing Replacer	AUTOMATIC TRANSMISSION EXTENSION HOUSING OIL SEAL(A750E) (From August, 2003)
	(09316-00011) Replacer Pipe	AUTOMATIC TRANSMISSION EXTENSION HOUSING OIL SEAL(A750E) (From August, 2003)
	(09316-00051) Replacer "D"	AUTOMATIC TRANSMISSION EXTENSION HOUSING OIL SEAL(A750E) (From August, 2003)
	09325-40010 Transmission Oil Plug	AUTOMATIC TRANSMISSION EXTENSION HOUSING OIL SEAL(A340E)
	09350-32014 TOYOTA Automatic Transmission Tool Set	TORQUE CONVERTER CLUTCH AND DRIVE PLATE(A340E/A340F) AUTOMATIC TRANSMISSION ASSY(A750E) (From August, 2003) TORQUE CONVERTER CLUTCH AND DRIVE PLATE(A750E/A750F) (From August, 2003) AUTOMATIC TRANSMISSION ASSY(A750F) (From August, 2003)

	(09351-32010) One-way Clutch Test Tool	TORQUE CONVERTER CLUTCH AND DRIVE PLATE(A340E/A340F) AUTOMATIC TRANSMISSION ASSY(A750E) (From August, 2003) AUTOMATIC TRANSMISSION ASSY(A750F) (From August, 2003)
	(09351-32020) Stator Stopper	TORQUE CONVERTER CLUTCH AND DRIVE PLATE(A340E/A340F) AUTOMATIC TRANSMISSION ASSY(A750E) (From August, 2003) TORQUE CONVERTER CLUTCH AND DRIVE PLATE(A750E/A750F) (From August, 2003) AUTOMATIC TRANSMISSION ASSY(A750F) (From August, 2003)
	09843-18020 Diagnosis Check Wire	AUTOMATIC TRANSMISSION FLUID(A750E/A750F) (From August, 2003)

Recommended Tools

	09040-00011 Hexagon Wrench Set	TRANSMISSION VALVE BODY ASSY(A340E/A340F) TRANSMISSION WIRE(A340E/A340F) TRANSMISSION VALVE BODY ASSY(A750E/A750F) (From August, 2003) TRANSMISSION WIRE(A750E/A750F) (From August, 2003)
	(09043-20100) Socket Hexagon Wrench 10	TRANSMISSION VALVE BODY ASSY(A340E/A340F) TRANSMISSION WIRE(A340E/A340F) TRANSMISSION VALVE BODY ASSY(A750E/A750F) (From August, 2003) TRANSMISSION WIRE(A750E/A750F) (From August, 2003)
	09070-20010 Moulding Remover	FLOOR SHIFT ASSY TRANSMISSION CONTROL CABLE ASSY
	(09043-20060) Socket Hexagon Wrench 6	AUTOMATIC TRANSMISSION FLUID(A750E/A750F) (From August, 2003)

Equipment

Straight edge	Torque converter
Vernier calipers	Torque converter
Dial indicator or dial indicator with magnetic base	Drive plate
Punch	
Torque wrench	

Lubricant

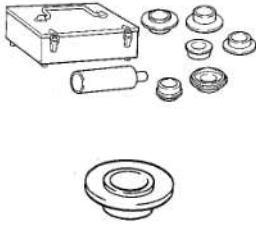
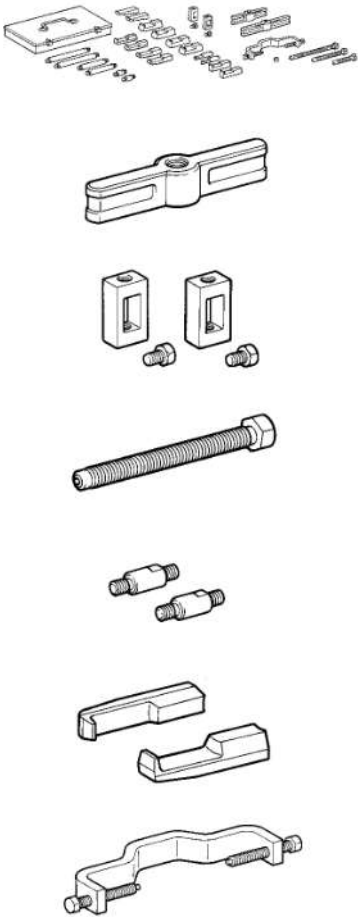
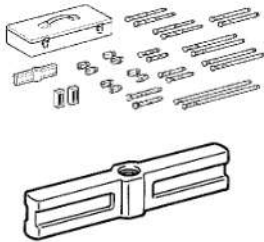
Item	Capacity	Classification
Automatic transaxle fluid (A340E, A340F) Dry fill Drain and refill	12.3 liters (13.0 US qts, 10.8 Imp.qts) 2.0 liters (2.1 US qts, 1.8 Imp.qts)	ATF Type T-IV
Automatic transmission fluid (A750E, A750F) Dry fill Drain and refill	10.9 liter (11.5 US qts, 9.6 Imp.qts) 3.0 liter (3.2 US qts, 2.6 Imp.qts)	ATF WS

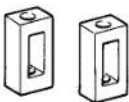
STEERING COLUMN

PREPARATION

SST

021TU-01

	09316-60011	Transmission & Transfer Bearing Replacer	STEERING COLUMN ASSY
	(09316-00051)	Replacer "D"	STEERING COLUMN ASSY
	09921-00010	Spring Tension Tool	STEERING COLUMN ASSY
	09950-40011	Puller B Set	STEERING COLUMN ASSY
	(09951-04010)	Hanger 150	STEERING COLUMN ASSY
	(09952-04010)	Slide Arm	STEERING COLUMN ASSY
	(09953-04020)	Center Bolt 150	STEERING COLUMN ASSY
	(09954-04010)	Arm 25	STEERING COLUMN ASSY
	(09955-04061)	Claw No.6	STEERING COLUMN ASSY
	(09958-04011)	Holder	STEERING COLUMN ASSY
	09950-50013	Puller C Set	STEERING COLUMN ASSY
	(09951-05010)	Hanger 150	STEERING COLUMN ASSY

  	(09952-05010) Slide Arm	STEERING COLUMN ASSY
	(09953-05020) Center Bolt 150	STEERING COLUMN ASSY
	(09954-05021) Claw No.2	STEERING COLUMN ASSY

Recommended Tools

  	09031-00030 Pin Punch	STEERING COLUMN ASSY
	09042-00010 Torx Socket T30	STEERING COLUMN ASSY
	(09043-20060) Socket Hexagon Wrench 6	STEERING COLUMN ASSY
 	09904-00010 Expander Set	STEERING COLUMN ASSY
	(09904-00050) No. 4 Claw	STEERING COLUMN ASSY

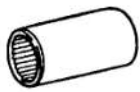
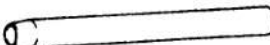
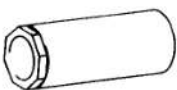
EQUIPMENT

Torque wrench	
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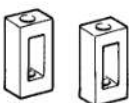
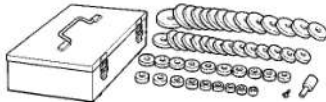
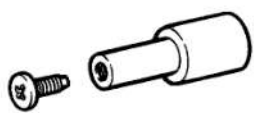
POWER STEERING

PREPARATION

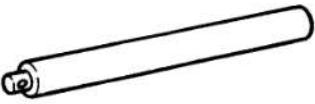
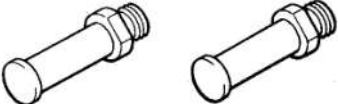
SST

	09023-38200	Union Nut Wrench 12mm	POWER STEERING LINK ASSY
	09612-00012	Rack & Pinion Steering Rack Housing Stand	POWER STEERING LINK ASSY
	09616-00011	Steering Worm Bearing Adjusting Socket	POWER STEERING LINK ASSY
	09628-62011	Boll Joint Puller	POWER STEERING LINK ASSY
	09631-00350	Steering Rack Cover 35	POWER STEERING LINK ASSY
	09631-12071	Steering Rack Oil Seal Test Tool	POWER STEERING LINK ASSY
	(09633-00010)	Packing	POWER STEERING LINK ASSY
	09631-20060	Bearing Guide Nut Wrench	POWER STEERING LINK ASSY
	09631-20081	Seal Ring Tool	POWER STEERING LINK ASSY
	09631-20120	Cylinder End Stopper Nut Wrench	POWER STEERING LINK ASSY
	09922-10010	Variable Open Wrench	POWER STEERING LINK ASSY
	09950-50013	Puller C Set	POWER STEERING LINK ASSY

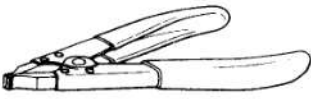
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   	(09951-05010) Hanger 150 (09952-05010) Slide Arm (09953-05020) Center Bolt 150 (09954-05021) Claw No. 2	POWER STEERING LINK ASSY POWER STEERING LINK ASSY POWER STEERING LINK ASSY POWER STEERING LINK ASSY
       	09950-60010 Replacer Set (09951-00180) Replacer 18 (09951-00250) Replacer 25 (09951-00300) Replacer 30 (09951-00320) Replacer 32 (09951-00340) Replacer 34 (09951-00390) Replacer 39 (09952-06010) Adapter	POWER STEERING LINK ASSY VANE PUMP ASSY POWER STEERING LINK ASSY POWER STEERING LINK ASSY POWER STEERING LINK ASSY POWER STEERING LINK ASSY VANE PUMP ASSY POWER STEERING LINK ASSY POWER STEERING LINK ASSY POWER STEERING LINK ASSY
	09950-70010 Handle Set	POWER STEERING LINK ASSY VANE PUMP ASSY

PREPARATION - POWER STEERING

	(09951-07100) Handle 100	POWER STEERING LINK ASSY VANE PUMP ASSY
	(09951-07150) Handle 150	POWER STEERING LINK ASSY
	(09951-07200) Handle 200	POWER STEERING LINK ASSY
	09960-10010 Variable Pin Wrench Set	VANE PUMP ASSY
	(09962-01000) Variable Pin Wrench Arm Assy	VANE PUMP ASSY
	(09963-01000) Pin 10	VANE PUMP ASSY

Recommended Tools

	09025-00010 Torque Wrench (30 kgf-cm)	VANE PUMP ASSY
	09042-00010 Torx Socket T30	POWER STEERING LINK ASSY
	09905-00012 Snap Ring No.1 Expander	VANE PUMP ASSY

Equipment

Caliper gauge	
Vernier caliper	
Dial indicator	
Feeler gauge	
Micrometer	
Torque wrench	

Lubricant

Item	Capacity	Classification
Power steering fluid (Total)	0.7 liters (0.7 US qts, 0.6 Imp.qts)	ATF DEXRON® II or III

SSM

08833-00080	Adhesive 1344 THREE BOND 1344 LOCTITE 242 or equivalent	POWER STEERING LINK ASSY
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HEATER & AIR CONDITIONER

PREPARATION

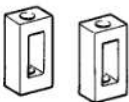
SST

021TR-02

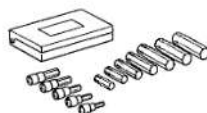
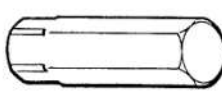
	07110-58060 Air Conditioner Service Tool Set	REFRIGERANT AIR CONDITIONING RADIATOR ASSY COOLER CONDENSER CORE COOLER COMPRESSOR ASSY(2UZ-FE)
	(07117-58060) Refrigerant Drain Service Valve	REFRIGERANT AIR CONDITIONING RADIATOR ASSY COOLER CONDENSER CORE COOLER COMPRESSOR ASSY(2UZ-FE)
	(07117-58070) T-Joint	REFRIGERANT AIR CONDITIONING RADIATOR ASSY COOLER CONDENSER CORE COOLER COMPRESSOR ASSY(2UZ-FE)
	(07117-58080) Quick Disconnect Adapter	REFRIGERANT AIR CONDITIONING RADIATOR ASSY COOLER CONDENSER CORE COOLER COMPRESSOR ASSY(2UZ-FE)
	(07117-58090) Quick Disconnect Adapter	REFRIGERANT AIR CONDITIONING RADIATOR ASSY COOLER CONDENSER CORE COOLER COMPRESSOR ASSY(2UZ-FE)
	(07117-78050) Refrigerant Charging Gauge	REFRIGERANT AIR CONDITIONING RADIATOR ASSY COOLER CONDENSER CORE COOLER COMPRESSOR ASSY(2UZ-FE)
	(07117-88060) Refrigerant Charging Hose	REFRIGERANT AIR CONDITIONING RADIATOR ASSY COOLER CONDENSER CORE COOLER COMPRESSOR ASSY(2UZ-FE)
	(07117-88070) Refrigerant Charging Hose	REFRIGERANT AIR CONDITIONING RADIATOR ASSY COOLER CONDENSER CORE COOLER COMPRESSOR ASSY(2UZ-FE)
	(07117-88080) Refrigerant Charging Hose	REFRIGERANT AIR CONDITIONING RADIATOR ASSY COOLER CONDENSER CORE COOLER COMPRESSOR ASSY(2UZ-FE)

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PREPARATION - HEATER & AIR CONDITIONER

	09870-00015 A/C Quick Joint Puller No.1	AIR CONDITIONING RADIATOR ASSY
	09870-00025 A/C Quick Joint Puller No.2	AIR CONDITIONING RADIATOR ASSY
	09950-50013 Puller C Set	AIR CONDITIONING RADIATOR ASSY
	(09951-05010) Hanger 150	AIR CONDITIONING RADIATOR ASSY
	(09952-05010) Slide Arm	AIR CONDITIONING RADIATOR ASSY
	(09953-05020) Center Bolt 150	AIR CONDITIONING RADIATOR ASSY
	(09954-05021) Claw No.2	AIR CONDITIONING RADIATOR ASSY
	09960-10010 Variable Pin Wrench Set	COOLER ASSY(2UZ-FE) COMPRESSOR
	(09962-01000) Variable Pin Wrench Arm Assy	COOLER ASSY(2UZ-FE) COMPRESSOR
	(09963-00500) Pin 5	COOLER ASSY(2UZ-FE) COMPRESSOR

Recommended Tools

	09040-00011 Hexagon Wrench Set	COOLER CONDENSER CORE
	(09043-30140) Straight Hexagon Wrench 14	COOLER CONDENSER CORE
	09041-00030 Torx Driver T30	AIR CONDITIONING RADIATOR ASSY

	09042-00010	Torx Socket T30	AIR CONDITIONING RADIATOR ASSY
	09070-20010	Moulding Remover	AIR CONDITIONING RADIATOR ASSY
	09904-00010	Expander Set	COOLER ASSY(2UZ-FE) COMPRESSOR
	(09904-00050)	No. 4 Claw	COOLER ASSY(2UZ-FE) COMPRESSOR
	95416-00140	Gas Leak Detector (Halogen Leak Detector) (DENSO Part No.)	REFRIGERANT AIR CONDITIONING RADIATOR ASSY COOLER CONDENSER CORE COOLER COMPRESSOR ASSY(2UZ-FE)

Equipment

Voltmeter	
Ammeter	
Ohmmeter	
Vinyl tape	
Hexagon wrench 4 mm (0.15 in.)	
Hexagon wrench 14 mm (0.55 in.)	
Gas leak detector	
Dial indicator with magnetic base	
Radiator cap tester	
Torque wrench	

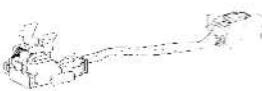
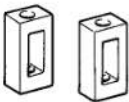
Lubricant

Item	Capacity	Classification
Compressor oil	–	ND-OIL 8 or equivalent

SUPPLEMENTAL RESTRAINT SYSTEM

PREPARATION

SST

	09082-00700 SRS Airbag Deployment Tool	HORN BUTTON ASSY INSTR PNL PASS L/DOOR AIR BAG ASSY CURTAIN SHIELD AIR BAG ASSY LH FRONT SEAT AIRBAG ASSY LH
	09082-00750 Airbag Deployment Wire Sub-harness No.3	FRONT SEAT AIRBAG ASSY LH
	09082-00780 Airbag Deployment Wire Sub-harness No.6	HORN BUTTON ASSY INSTR PNL PASS L/DOOR AIR BAG ASSY
   	09082-00802 Airbag Deployment Wire Sub-Harness No. 8 (09082-10801) Wire A (09082-20801) Wire B (09082-30801) Wire C	HORN BUTTON ASSY CURTAIN SHIELD AIR BAG ASSY LH HORN BUTTON ASSY CURTAIN SHIELD AIR BAG ASSY LH CURTAIN SHIELD AIR BAG ASSY LH HORN BUTTON ASSY
    	09950-50013 Puller C Set (09951-05010) Hanger 150 (09952-05010) Slide Arm (09953-05020) Center Bolt 150 (09954-05021) Claw No.2	SPIRAL CABLE SUB-ASSY INSTR PNL PASS L/DOOR AIR BAG ASSY SPIRAL CABLE SUB-ASSY INSTR PNL PASS L/DOOR AIR BAG ASSY SPIRAL CABLE SUB-ASSY INSTR PNL PASS L/DOOR AIR BAG ASSY SPIRAL CABLE SUB-ASSY INSTR PNL PASS L/DOOR AIR BAG ASSY

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Recommended Tools

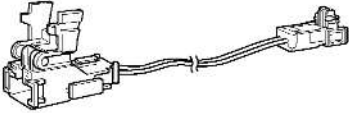
	09042-00010 Torx Socket T30	HORN BUTTON ASSY SPIRAL CABLE SUB-ASSY INSTR PNL PASS L/DOOR AIR BAG ASSY
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Equipment

Torque wrench	
Bolt Length: 35.0 mm (1.387 in.) Pitch: 1.0 mm (0.039 in.) Diam.: 6.0 mm (0.236 in.)	Airbag disposal
Tire Width: 185 mm (7.28 in.) Inner diam.: 360 mm (14.17 in.)	Airbag disposal
Tire with disc wheel Width: 185 mm (7.28 in.) Inner diam.: 360 mm (14.17 in.)	Airbag disposal
Plastic bag	Airbag disposal

SEAT BELT
PREPARATION
SST

021U9-01

	09082-00700 SRS Airbag Deployment Tool	FRONT SEAT BELT
	09082-00770 Airbag Deployment Wire Sub-harness No.5	FRONT SEAT BELT

Recomended Tools

	09082-00040 TOYOTA Electrical Tester	SEAT BELT WARNING SYSTEM
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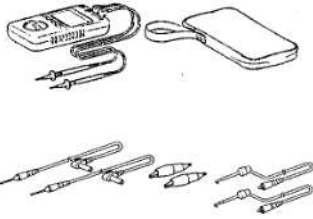
Equipment

Torque wrench	
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LIGHTING
PREPARATION

021TS-01

Recomended Tools

	09082-00040 TOYOTA Electrical Tester	LIGHTING SYSTEM
	(09083-00150) Test Lead Set	LIGHTING SYSTEM

WIPER & WASHER

PREPARATION

021WE-01

SST

	09843-18040 Diagnosis Check Wire No.2	WIPER AND WASHER SYSTEM
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Recomended Tools

	09042-00010 Torx Socket T30	WINDSHIELD WIPER MOTOR ASSY
	09082-00040 TOYOTA Electrical Tester	WIPER AND WASHER SYSTEM
	(09083-00150) Test Lead Set	WIPER AND WASHER SYSTEM

SSM

	08850-00065 Butyl Tape Set	REAR WIPER MOTOR ASSY
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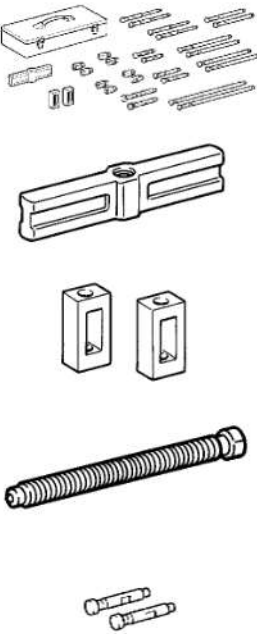
Equipment

Torque wrench	
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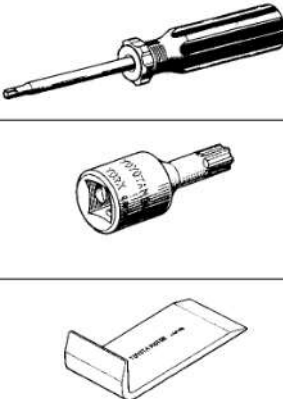
AUDIO & VISUAL SYSTEM

PREPARATION

SST

	09950-50013	Puller C Set	STEREO COMPONENT SPEAKER ASSY FRONT ANTENNA CORD SUB-ASSY NAVIGATION ANTENNA ASSY
	(09951-05010)	Hanger 150	STEREO COMPONENT SPEAKER ASSY FRONT ANTENNA CORD SUB-ASSY NAVIGATION ANTENNA ASSY
	(09952-05010)	Slide Arm	STEREO COMPONENT SPEAKER ASSY FRONT ANTENNA CORD SUB-ASSY NAVIGATION ANTENNA ASSY
	(09953-05020)	Center Bolt 150	STEREO COMPONENT SPEAKER ASSY FRONT ANTENNA CORD SUB-ASSY NAVIGATION ANTENNA ASSY
	(09954-05021)	Claw No. 2	STEREO COMPONENT SPEAKER ASSY FRONT ANTENNA CORD SUB-ASSY NAVIGATION ANTENNA ASSY

Recommended Tools

	09041-00030	Torx Driver T30	STEREO COMPONENT SPEAKER ASSY FRONT ANTENNA CORD SUB-ASSY NAVIGATION ANTENNA ASSY
	09042-00010	Torx Socket T30	STEERING PAD SWITCH LH STEREO COMPONENT SPEAKER ASSY FRONT ANTENNA CORD SUB-ASSY NAVIGATION ANTENNA ASSY
	09070-20010	Moulding Remover	STEREO COMPONENT SPEAKER ASSY FRONT ANTENNA CORD SUB-ASSY NAVIGATION ANTENNA ASSY

SSM

08850-00065	Butyl Tape Set	TELEVISION CAMERA ASSY
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Equipment

Torque wrench	
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COMMUNICATION SYSTEM

021V2-01

PREPARATION

Recomended Tools

	09082-00050 TOYOTA Electrical Tester Set	HORN SYSTEM
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WINDSHIELD/WINDOWGLASS/MIRROR

021V0-01

PREPARATION

Recommended Tools

	09082-00040 TOYOTA Electrical Tester	WINDOW DEFOGGER SYSTEM POWER MIRROR CONTROL SYSTEM
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Equipment

Adhesive	
Knife	
Piano wire	Windshield
Plastic sheet	To avoid surface damage.
Sealer gun	
Torque wrench	
Tape	To avoid surface damage.
Wooden block or similar object	For tying both piano wire ends

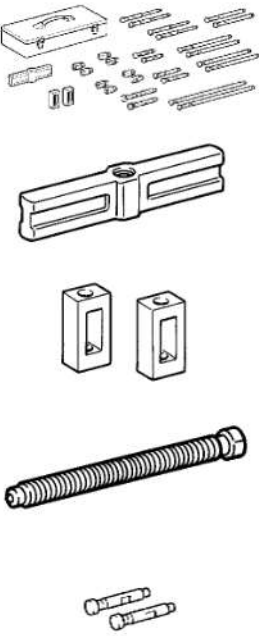
SSM

	08850-00801 Windshield Glass Adhesive Set or equivalent	WINDSHIELD GLASS QUARTER WINDOW ASSY RR LH
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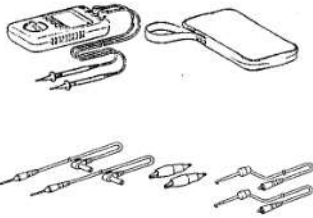
INSTRUMENT PANEL/METER

PREPARATION

SST

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

Recomended Tools

	09082-00040	TOYOTA Electrical Tester	COMBINATION METER
	(09083-00150)	Test Lead Set	COMBINATION METER
	09041-00030	Torx Driver T30	INSTRUMENT PANEL SUB-ASSY
	09042-00010	Torx Socket T30	INSTRUMENT PANEL SUB-ASSY
	09070-20010	Moulding Remover	INSTRUMENT PANEL SUB-ASSY

Equipment

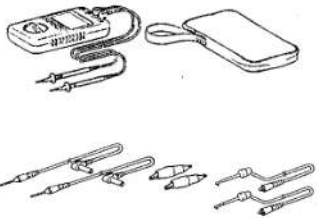
Torque wrench	
Tape	To avoid surface damage

SEAT

PREPARATION

023AB-01

Recommended Tools

	09082-00050 TOYOTA Electrical Tester Set	FRONT POWER SEAT CONTROL SYSTEM SEAT HEATER SYSTEM
	09082-00040 TOYOTA Electrical Tester (09083-00150) Test Lead Set	FRONT POWER SEAT CONTROL SYSTEM SEAT HEATER SYSTEM FRONT POWER SEAT CONTROL SYSTEM SEAT HEATER SYSTEM

Equipment

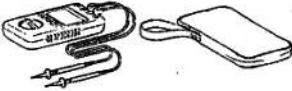
Hog ring	
Hog ring pliers	
Scraper	
Tape	To avoid surface damage
Torque wrench	

SLIDING ROOF/CONVERTIBLE

PREPARATION

021W1-02

Recomended Tools

	09041-00020 Torx Driver T25	SLIDING ROOF HOUSING SUB-ASSY
	09082-00040 TOYOTA Electrical Tester	SLIDING ROOF SYSTEM

ENGINE HOOD/DOOR

PREPARATION

021V8-01

SST

	09812-00010	Door Hinge Set Bolt Wrench	FRONT DOOR
	09812-00020	Door Hinge Set Bolt Wrench	FRONT DOOR

Recommended Tools

	09041-00020	Torx Driver T25	FRONT DOOR REAR DOOR
	09042-00010	Torx Socket T30	FRONT DOOR REAR DOOR BACK DOOR
	09042-00020	Torx Socket T40	FRONT DOOR REAR DOOR BACK DOOR
	09050-00032	Air Drill	HOOD
	09050-20010	Air Riveter	HOOD

SSM

08833-00070	"Adhesive 1324," THREE BOND 1324 or equivalent	FRONT DOOR REAR DOOR BACK DOOR
08850-00065	Butyl Tape Set	FRONT DOOR REAR DOOR BACK DOOR

Equipment

Clip remover	
Hand riveter	
Tape	To avoid surface damage
Torque wrench	

EXTERIOR/INTERIOR TRIM

021VL-02

PREPARATION

Recommended Tools

	09050-00032 Air Drill	REAR SPOILER OUTSIDE MOULDING
	09050-02050 Nose Piece No.4	OUTSIDE MOULDING
	09050-20010 Air Riveter	REAR SPOILER OUTSIDE MOULDING
	09070-20010 Moulding Remover	FRONT DOOR GLASS WEATHERSTRIP ASSY OUTER LH REAR DOOR GLASS WEATHERSTRIP ASSY OUTER LH BACK DOOR GLASS WEATHERSTRIP OUTER FRONT DOOR WINDOW FRAME MOULDING REAR LH REAR DOOR WINDOW FRAME MOULDING FRONT LH OUTSIDE MOULDING ROOF HEADLINING ASSY

SSM

08833-00070 "Adhesive 1324," THREE BOND 1324 or equivalent	ROOF RACK ASSY
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Equipment

Adhesive tape	To avoid surface damage.
Clip remover	
Knife	
Protective tape	To avoid surface damage.
Torque wrench	

VEHICLE CONTROL SYSTEM

021V3-01

PREPARATION

Recommended Tools

	09082-00040 TOYOTA Electrical Tester	IGNITION OR STARTER SWITCH ASSY
	09082-00050 TOYOTA Electrical Tester Set	IGNITION OR STARTER SWITCH ASSY

CRUISE CONTROL

PREPARATION

02387-01

Recomended Tools

	09041-00030 Torx Driver T30	CRUISE CONTROL MAIN SWITCH
	09042-00010 Torx Socket T30	CRUISE CONTROL MAIN SWITCH

Equipment

Torque wrench	
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