

DIAGNOSTICS

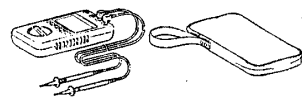
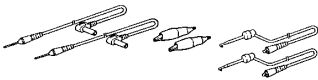
PREPARATION

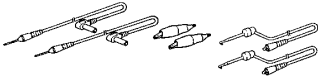
SST

020W2-01

	09816-30010 Oil Pressure Switch Socket	SFI SYSTEM(2AZ-FE)
	09843-18040 Diagnosis Check Wire No.2	AIR CONDITIONING SYSTEM ABS WITH EBD SYSTEM (BOSCH MADE) SUPPLEMENTAL RESTRAINT SYSTEM ABS WITH EBD & BA & TRAC & VSC SYSTEM COMBINATION METER ABS WITH EBD SYSTEM (DENSO MADE) SFI SYSTEM(1MZ-FE)

Recommended Tools

	09082-00040 TOYOTA Electrical Tester	ELECTRONIC CONTROLLED AUTOMATIC TRANSAXLE[ECT] SUPPLEMENTAL RESTRAINT SYSTEM LIGHTING SYSTEM SFI SYSTEM(1MZ-FE) SFI SYSTEM(2AZ-FE)
	(09083-00150) Test Lead Set	AIR CONDITIONING SYSTEM ELECTRONIC CONTROLLED AUTOMATIC TRANSAXLE[ECT] SUPPLEMENTAL RESTRAINT SYSTEM LIGHTING SYSTEM AUDIO SYSTEM ABS WITH EBD & BA & TRAC & VSC SYSTEM NAVIGATION SYSTEM POWER DOOR LOCK CONTROL SYSTEM WIRELESS DOOR LOCK CONTROL SYSTEM ENGINE IMMOBILISER SYSTEM BODY MULTIPLEX COMMUNICATION SYSTEM CRUISE CONTROL SYSTEM COMBINATION METER ABS WITH EBD SYSTEM (DENSO MADE) SFI SYSTEM(1MZ-FE) SFI SYSTEM(2AZ-FE)

	(09083-00150) Test Lead Set	AIR CONDITIONING SYSTEM ELECTRONIC CONTROLLED AUTOMATIC TRANSAXLE[ECT] SUPPLEMENTAL RESTRAINT SYSTEM LIGHTING SYSTEM AUDIO SYSTEM ABS WITH EBD & BA & TRAC & VSC SYSTEM NAVIGATION SYSTEM POWER DOOR LOCK CONTROL SYSTEM WIRELESS DOOR LOCK CONTROL SYSTEM ENGINE IMMOBILISER SYSTEM BODY MULTIPLEX COMMUNICATION SYSTEM CRUISE CONTROL SYSTEM COMBINATION METER ABS WITH EBD SYSTEM (DENSO MADE) SFI SYSTEM(1MZ-FE) SFI SYSTEM(2AZ-FE)
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ENGINE CONTROL SYSTEM

020TK-01

PREPARATION

Equipment

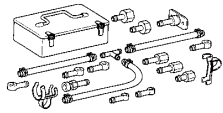
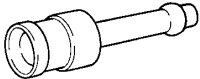
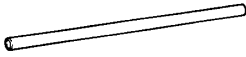
Radiator cap tester	
Torque wrench	
Ohmmeter	

FUEL

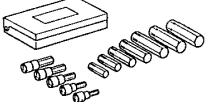
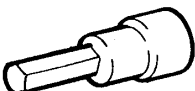
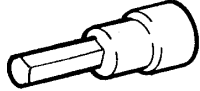
PREPARATION

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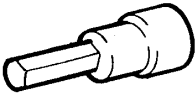
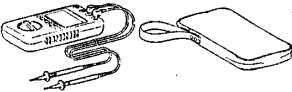
020TL-01

	09268-41047	Injection Measuring Tool Set	FUEL SYSTEM(1MZ-FE) FUEL SYSTEM(2AZ-FE)
	(09268-41110)	Adaptor	FUEL SYSTEM(1MZ-FE) FUEL SYSTEM(2AZ-FE)
	(09268-41300)	Clamp	FUEL SYSTEM(1MZ-FE) FUEL SYSTEM(2AZ-FE)
	(95336-08070)	Hose	FUEL SYSTEM(1MZ-FE) FUEL SYSTEM(2AZ-FE)
	09842-30070	Wire "F" EFI Inspection	FUEL SYSTEM(1MZ-FE)
	(95333-06030)	Hose	FUEL SYSTEM(1MZ-FE) FUEL SYSTEM(2AZ-FE)
	09842-30080	Wire "H" EFI Inspection	FUEL SYSTEM(2AZ-FE)
	(95333-06030)	Hose	FUEL SYSTEM(1MZ-FE) FUEL SYSTEM(2AZ-FE)
	(90467-13001)	Clip	FUEL SYSTEM(1MZ-FE) FUEL SYSTEM(2AZ-FE)

Recommended Tools

	09040-00011	Hexagon Wrench Set	FUEL INJECTOR ASSY(1MZ-FE)
	(09043-20050)	Socket Hexagon Wrench 5	FUEL INJECTOR ASSY(1MZ-FE)
	(09043-20080)	Socket Hexagon Wrench 8	FUEL INJECTOR ASSY(1MZ-FE)

PREPARATION – FUEL

	(09043-20050) Socket Hexagon Wrench 5	FUEL INJECTOR ASSY(1MZ-FE)
	09082-00040 TOYOTA Electrical Tester	FUEL SYSTEM(1MZ-FE)
	(09083-00150) Test Lead Set	FUEL SYSTEM(1MZ-FE) FUEL SYSTEM(2AZ-FE)

Equipment

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

SSM

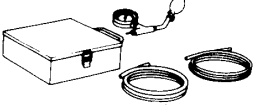
08850-00065 Butyl Tape Set	FUEL PUMP ASSY(1MZ-FE) FUEL TANK ASSY(1MZ-FE) FUEL PUMP ASSY(2AZ-FE) FUEL TANK ASSY(2AZ-FE)
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EMISSION CONTROL

PREPARATION

SST

020TM-01

	09992-00242 Turbocharger Pressure Gauge	EMISSION CONTROL SYSTEM(1MZ-FE) EMISSION CONTROL SYSTEM(2AZ-FE)
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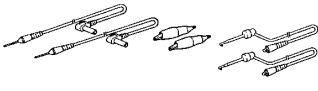
Equipment

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

INTAKE PREPARATION

020TN-01

Recommended Tools

	09082-00040 TOYOTA Electrical Tester	INTAKE AIR CONTROL SYSTEM(1MZ-FE)
	(09083-00150) Test Lead Set	INTAKE AIR CONTROL SYSTEM(1MZ-FE)

Equipment

Service Wire Harness	
Torque wrench	
Hand-held vacuum pump	

SSM

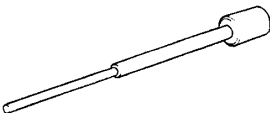
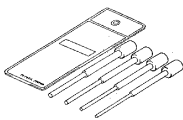
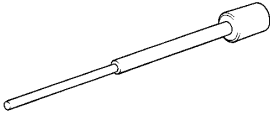
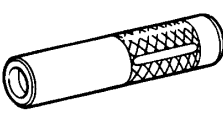
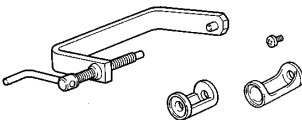
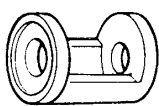
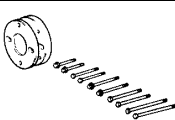
08826-00080 Seal Packing Black or equivalent (FIPG)	INTAKE AIR CONTROL VALVE ASSY(1MZ-FE)
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ENGINE MECHANICAL

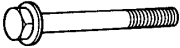
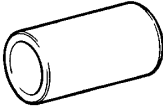
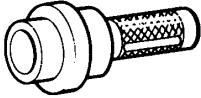
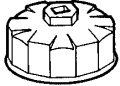
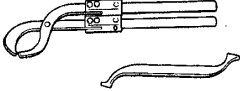
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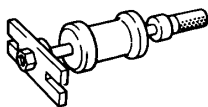
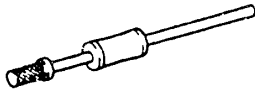
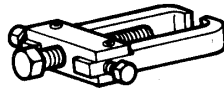
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SST

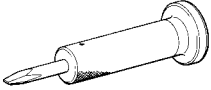
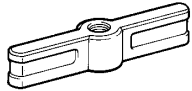
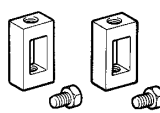
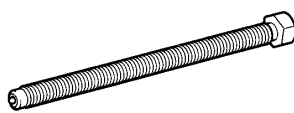
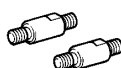
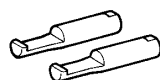
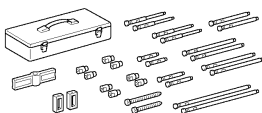
	09032-00100	Oil Pan Seal Cutter	PARTIAL ENGINE ASSY(1MZ-FE) PARTIAL ENGINE ASSY(2AZ-FE) CHAIN(2AZ-FE) CYLINDER HEAD GASKET(2AZ-FE)
	09201-01055	Valve Guide Bushing Remover & Replacer 5.5	CYLINDER HEAD ASSY(1MZ-FE)
	09201-10000	Valve Guide Bushing Remover & Replacer Set	CYLINDER HEAD ASSY(1MZ-FE) CYLINDER HEAD ASSY(2AZ-FE)
	(09201-01050)	Valve Guide Bushing Remover & Replacer 5	CYLINDER HEAD ASSY(2AZ-FE)
	09201-41020	Valve Stem Oil Seal Replacer	CYLINDER HEAD ASSY(1MZ-FE) CYLINDER HEAD ASSY(2AZ-FE)
	09202-70020	Valve Spring Compressor	CYLINDER HEAD ASSY(1MZ-FE) CYLINDER HEAD ASSY(2AZ-FE)
	(09202-00010)	Attachment	CYLINDER HEAD ASSY(1MZ-FE) CYLINDER HEAD ASSY(2AZ-FE)
	09213-54015	Crankshaft Pulley Holding Tool	PARTIAL ENGINE ASSY(1MZ-FE) CAMSHAFT(RH BANK)(1MZ-FE) OIL PUMP SEAL(1MZ-FE) ENGINE REAR OIL SEAL(1MZ-FE) CYLINDER HEAD GASKET(1MZ-FE) CYLINDER HEAD GASKET NO.2(1MZ-FE) TIMING BELT(1MZ-FE) CAMSHAFT(LH BANK)(1MZ-FE) PARTIAL ENGINE ASSY(2AZ-FE) CHAIN(2AZ-FE) TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL(2AZ-FE) ENGINE REAR OIL SEAL(2AZ-FE) CYLINDER HEAD GASKET(2AZ-FE)

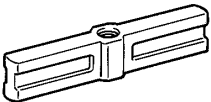
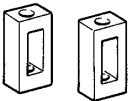
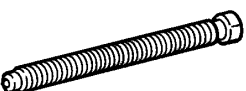
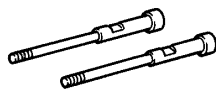
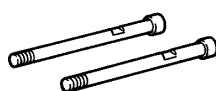
PREPARATION – ENGINE MECHANICAL

	(91651-60855) Bolt	PARTIAL ENGINE ASSY(1MZ-FE) CAMSHAFT(RH BANK)(1MZ-FE) OIL PUMP SEAL(1MZ-FE) ENGINE REAR OIL SEAL(1MZ-FE) CYLINDER HEAD GASKET(1MZ-FE) CYLINDER HEAD GASKET NO.2(1MZ-FE) TIMING BELT(1MZ-FE) CAMSHAFT(LH BANK)(1MZ-FE) PARTIAL ENGINE ASSY(2AZ-FE) CHAIN(2AZ-FE) TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL(2AZ-FE) ENGINE REAR OIL SEAL(2AZ-FE) CYLINDER HEAD GASKET(2AZ-FE)
	09222-30010 Connecting Rod Bushing Remover & Replacer	CYLINDER BLOCK(1MZ-FE)
	09223-00010 Cover & Seal Replacer	PARTIAL ENGINE ASSY(1MZ-FE) OIL PUMP SEAL(1MZ-FE)
	09223-15030 Oil Seal & Bearing Replacer	PARTIAL ENGINE ASSY(1MZ-FE) ENGINE REAR OIL SEAL(1MZ-FE) PARTIAL ENGINE ASSY(2AZ-FE) ENGINE REAR OIL SEAL(2AZ-FE)
	09223-22010 Crankshaft Front Oil Seal Replacer	PARTIAL ENGINE ASSY(2AZ-FE) TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL(2AZ-FE)
	09228-06501 Oil Filter Wrench	PARTIAL ENGINE ASSY(2AZ-FE)
	09228-07501 Oil Filter Wrench	PARTIAL ENGINE ASSY(1MZ-FE)
	09248-55040 Valve Clearance Adjust Tool Set	PARTIAL ENGINE ASSY(1MZ-FE) CAMSHAFT(RH BANK)(1MZ-FE) VALVE CLEARANCE(1MZ-FE) CAMSHAFT(LH BANK)(1MZ-FE)
	(9248-05410) Valve Lifter Press	PARTIAL ENGINE ASSY(1MZ-FE) CAMSHAFT(RH BANK)(1MZ-FE) VALVE CLEARANCE(1MZ-FE) CAMSHAFT(LH BANK)(1MZ-FE)
	(9248-05420) Valve Lifter Stopper	PARTIAL ENGINE ASSY(1MZ-FE) CAMSHAFT(RH BANK)(1MZ-FE) VALVE CLEARANCE(1MZ-FE) CAMSHAFT(LH BANK)(1MZ-FE)

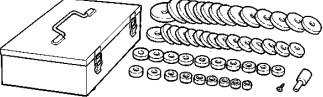
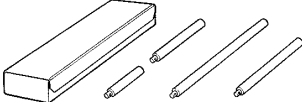
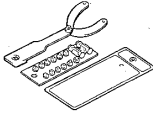
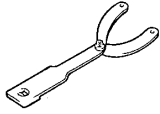
	09249-63010 Torque Wrench Adaptor	CAMSHAFT(RH BANK)(1MZ-FE) CYLINDER HEAD GASKET(1MZ-FE) CYLINDER HEAD GASKET NO.2(1MZ-FE) CAMSHAFT(LH BANK)(1MZ-FE) PARTIAL ENGINE ASSY(2AZ-FE) TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL(2AZ-FE) CYLINDER HEAD GASKET(2AZ-FE) FAN AND GENERATOR V BELT(2AZ-FE)
	09309-37010 Transmission Bearing Replacer	PARTIAL ENGINE ASSY(2AZ-FE) CHAIN(2AZ-FE) CYLINDER HEAD GASKET(2AZ-FE)
	09330-00021 Companion Flange Holding Tool	PARTIAL ENGINE ASSY(1MZ-FE) CAMSHAFT(RH BANK)(1MZ-FE) OIL PUMP SEAL(1MZ-FE) ENGINE REAR OIL SEAL(1MZ-FE) CYLINDER HEAD GASKET(1MZ-FE) CYLINDER HEAD GASKET NO.2(1MZ-FE) TIMING BELT(1MZ-FE) CAMSHAFT(LH BANK)(1MZ-FE) PARTIAL ENGINE ASSY(2AZ-FE) CHAIN(2AZ-FE) TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL(2AZ-FE) ENGINE REAR OIL SEAL(2AZ-FE) CYLINDER HEAD GASKET(2AZ-FE)
	09520-01010 Drive Shaft Remover Attachment	PARTIAL ENGINE ASSY(1MZ-FE) CYLINDER HEAD GASKET(2AZ-FE)
	09520-24010 Differential Side Gear Shaft Puller	PARTIAL ENGINE ASSY(1MZ-FE) CYLINDER HEAD GASKET(2AZ-FE)
	(09520-32040) Shocker Set	PARTIAL ENGINE ASSY(1MZ-FE) CYLINDER HEAD GASKET(2AZ-FE)
	09628-62011 Boll Joint Puller	PARTIAL ENGINE ASSY(1MZ-FE) PARTIAL ENGINE ASSY(2AZ-FE)
	09816-30010 Oil Pressure Switch Socket	PARTIAL ENGINE ASSY(1MZ-FE) PARTIAL ENGINE ASSY(2AZ-FE)
	09843-18020 Diagnosis Check Wire	PARTIAL ENGINE ASSY(1MZ-FE) CYLINDER HEAD GASKET(1MZ-FE) CYLINDER HEAD GASKET NO.2(1MZ-FE) ENGINE ASSEMBLY(2AZ-FE)

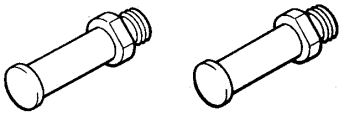
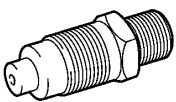
PREPARATION — ENGINE MECHANICAL

	09843-18030 Tacho-pulse Pickup Wire No.2	ENGINE ASSEMBLY(1MZ-FE) PARTIAL ENGINE ASSY(1MZ-FE) CYLINDER HEAD GASKET(1MZ-FE) CYLINDER HEAD GASKET NO.2(1MZ-FE) ENGINE ASSEMBLY(2AZ-FE)
	09843-18040 Diagnosis Check Wire No.2	ENGINE ASSEMBLY(1MZ-FE) PARTIAL ENGINE ASSY(1MZ-FE) CYLINDER HEAD GASKET(1MZ-FE) CYLINDER HEAD GASKET NO.2(1MZ-FE) ENGINE ASSEMBLY(2AZ-FE)
	09930-00010 Drive Shaft Nut Chisel	PARTIAL ENGINE ASSY(1MZ-FE) PARTIAL ENGINE ASSY(2AZ-FE)
	09950-40011 Puller B Set	PARTIAL ENGINE ASSY(2AZ-FE) CHAIN(2AZ-FE) TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL(2AZ-FE)
	(09951-04010) Hanger 150	PARTIAL ENGINE ASSY(2AZ-FE) CHAIN(2AZ-FE) TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL(2AZ-FE)
	(09952-04010) Slide Arm	PARTIAL ENGINE ASSY(2AZ-FE) CHAIN(2AZ-FE) TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL(2AZ-FE)
	(09953-04030) Center Bolt 200	PARTIAL ENGINE ASSY(2AZ-FE) CHAIN(2AZ-FE) TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL(2AZ-FE)
	(09954-04010) Arm 25	PARTIAL ENGINE ASSY(2AZ-FE) CHAIN(2AZ-FE) TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL(2AZ-FE)
	(09955-04041) Claw No.4	PARTIAL ENGINE ASSY(2AZ-FE) CHAIN(2AZ-FE) TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL(2AZ-FE)
	(09957-04010) Attachment	PARTIAL ENGINE ASSY(2AZ-FE) CHAIN(2AZ-FE) TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL(2AZ-FE) CYLINDER HEAD GASKET(2AZ-FE)
	09950-50013 Puller C Set	PARTIAL ENGINE ASSY(1MZ-FE) CAMSHAFT(RH BANK)(1MZ-FE) OIL PUMP SEAL(1MZ-FE) CYLINDER HEAD GASKET(1MZ-FE) CYLINDER HEAD GASKET NO.2(1MZ-FE) TIMING BELT(1MZ-FE) CAMSHAFT(LH BANK)(1MZ-FE) PARTIAL ENGINE ASSY(2AZ-FE) CHAIN(2AZ-FE) TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL(2AZ-FE)

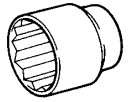
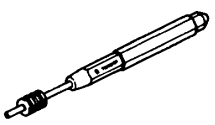
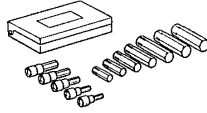
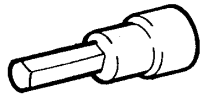
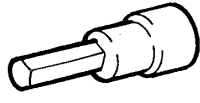
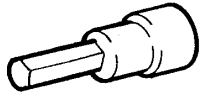
	(09951-05010) Hanger 150	PARTIAL ENGINE ASSY(1MZ-FE) CAMSHAFT(RH BANK)(1MZ-FE) OIL PUMP SEAL(1MZ-FE) CYLINDER HEAD GASKET(1MZ-FE) CYLINDER HEAD GASKET NO.2(1MZ-FE) TIMING BELT(1MZ-FE) CAMSHAFT(LH BANK)(1MZ-FE) PARTIAL ENGINE ASSY(2AZ-FE) CHAIN(2AZ-FE) TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL(2AZ-FE) CYLINDER HEAD GASKET(2AZ-FE)
	(09952-05010) Slide Arm	PARTIAL ENGINE ASSY(1MZ-FE) CAMSHAFT(RH BANK)(1MZ-FE) OIL PUMP SEAL(1MZ-FE) CYLINDER HEAD GASKET(1MZ-FE) CYLINDER HEAD GASKET NO.2(1MZ-FE) TIMING BELT(1MZ-FE) CAMSHAFT(LH BANK)(1MZ-FE) PARTIAL ENGINE ASSY(2AZ-FE) CHAIN(2AZ-FE) TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL(2AZ-FE) CYLINDER HEAD GASKET(2AZ-FE)
	(09953-05010) Center Bolt 100	PARTIAL ENGINE ASSY(1MZ-FE) CAMSHAFT(RH BANK)(1MZ-FE) OIL PUMP SEAL(1MZ-FE) CYLINDER HEAD GASKET(1MZ-FE) CYLINDER HEAD GASKET NO.2(1MZ-FE) TIMING BELT(1MZ-FE) CAMSHAFT(LH BANK)(1MZ-FE)
	(09953-05020) Center Bolt 150	PARTIAL ENGINE ASSY(1MZ-FE) OIL PUMP SEAL(1MZ-FE) PARTIAL ENGINE ASSY(2AZ-FE) CHAIN(2AZ-FE) TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL(2AZ-FE) CYLINDER HEAD GASKET(2AZ-FE)
	(09954-05010) Claw No.1	PARTIAL ENGINE ASSY(1MZ-FE) OIL PUMP SEAL(1MZ-FE)
	(09954-05021) Claw No.2	PARTIAL ENGINE ASSY(2AZ-FE) CHAIN(2AZ-FE) TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL(2AZ-FE)
	(09954-05030) Claw No.3	PARTIAL ENGINE ASSY(1MZ-FE) CAMSHAFT(RH BANK)(1MZ-FE) OIL PUMP SEAL(1MZ-FE) CYLINDER HEAD GASKET(1MZ-FE) CYLINDER HEAD GASKET NO.2(1MZ-FE) TIMING BELT(1MZ-FE) CAMSHAFT(LH BANK)(1MZ-FE)

PREPARATION – ENGINE MECHANICAL

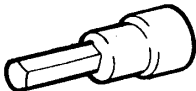
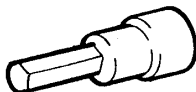
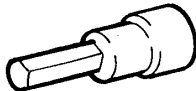
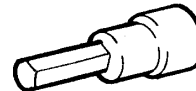
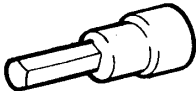
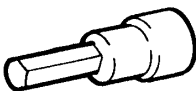
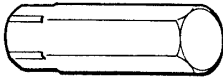
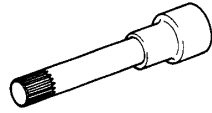
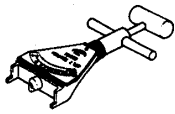
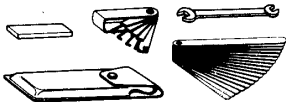
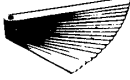
	09950-60010 Replacer Set	PARTIAL ENGINE ASSY(1MZ-FE) CYLINDER BLOCK(2AZ-FE)
	(09951-00200) Replacer 20	CYLINDER BLOCK(2AZ-FE)
	(09951-00430) Replacer 43	PARTIAL ENGINE ASSY(1MZ-FE)
	09950-70010 Handle Set	PARTIAL ENGINE ASSY(1MZ-FE) CYLINDER HEAD ASSY(1MZ-FE) ENGINE REAR OIL SEAL(1MZ-FE) PARTIAL ENGINE ASSY(2AZ-FE) CYLINDER HEAD ASSY(2AZ-FE) CYLINDER BLOCK(2AZ-FE) ENGINE REAR OIL SEAL(2AZ-FE)
	(09951-07100) Handle 100	PARTIAL ENGINE ASSY(1MZ-FE) CYLINDER HEAD ASSY(1MZ-FE) ENGINE REAR OIL SEAL(1MZ-FE) PARTIAL ENGINE ASSY(2AZ-FE) CYLINDER HEAD ASSY(2AZ-FE) CYLINDER BLOCK(2AZ-FE) ENGINE REAR OIL SEAL(2AZ-FE)
	09960-10010 Variable Pin Wrench Set	PARTIAL ENGINE ASSY(1MZ-FE) CAMSHAFT(RH BANK)(1MZ-FE) OIL PUMP SEAL(1MZ-FE) CYLINDER HEAD GASKET(1MZ-FE) CYLINDER HEAD GASKET NO.2(1MZ-FE) TIMING BELT(1MZ-FE) CAMSHAFT(LH BANK)(1MZ-FE) PARTIAL ENGINE ASSY(2AZ-FE) CHAIN(2AZ-FE) TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL(2AZ-FE) ENGINE REAR OIL SEAL(2AZ-FE)
	(09962-01000) Variable Pin Wrench Arm Assy	PARTIAL ENGINE ASSY(1MZ-FE) CAMSHAFT(RH BANK)(1MZ-FE) OIL PUMP SEAL(1MZ-FE) CYLINDER HEAD GASKET(1MZ-FE) CYLINDER HEAD GASKET NO.2(1MZ-FE) TIMING BELT(1MZ-FE) CAMSHAFT(LH BANK)(1MZ-FE) PARTIAL ENGINE ASSY(2AZ-FE) CHAIN(2AZ-FE) TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL(2AZ-FE) ENGINE REAR OIL SEAL(2AZ-FE)
	(09963-00500) Pin 5	PARTIAL ENGINE ASSY(1MZ-FE) CAMSHAFT(RH BANK)(1MZ-FE) CAMSHAFT(LH BANK)(1MZ-FE)

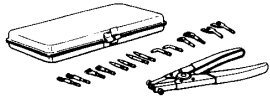
	(09963-00700) Pin 7	PARTIAL ENGINE ASSY(2AZ-FE)
	(09963-01000) Pin 10	PARTIAL ENGINE ASSY(1MZ-FE) CAMSHAFT(RH BANK)(1MZ-FE) OIL PUMP SEAL(1MZ-FE) CYLINDER HEAD GASKET(1MZ-FE) CYLINDER HEAD GASKET NO.2(1MZ-FE) TIMING BELT(1MZ-FE) CAMSHAFT(LH BANK)(1MZ-FE) PARTIAL ENGINE ASSY(2AZ-FE) CHAIN(2AZ-FE) TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL(2AZ-FE) ENGINE REAR OIL SEAL(2AZ-FE)
	09992-00500 Compression Gauge Attachment	ENGINE ASSEMBLY(1MZ-FE) CYLINDER HEAD GASKET(1MZ-FE) CYLINDER HEAD GASKET NO.2(1MZ-FE)

Recommended Tools

	09011-12301 Socket Wrench 30 mm	PARTIAL ENGINE ASSY(1MZ-FE) PARTIAL ENGINE ASSY(2AZ-FE)
	09031-00040 Pin Punch .	CYLINDER HEAD ASSY(2AZ-FE)
	09040-00011 Hexagon Wrench Set	PARTIAL ENGINE ASSY(1MZ-FE) CYLINDER HEAD ASSY(1MZ-FE) CYLINDER BLOCK(1MZ-FE) CAMSHAFT(RH BANK)(1MZ-FE) CYLINDER HEAD GASKET(1MZ-FE) CYLINDER HEAD GASKET NO.2(1MZ-FE) VALVE CLEARANCE(1MZ-FE) CAMSHAFT(LH BANK)(1MZ-FE) PARTIAL ENGINE ASSY(2AZ-FE)
	(09043-20050) Socket Hexagon Wrench 5	PARTIAL ENGINE ASSY(1MZ-FE) CAMSHAFT(RH BANK)(1MZ-FE) CYLINDER HEAD GASKET(1MZ-FE) CYLINDER HEAD GASKET NO.2(1MZ-FE) VALVE CLEARANCE(1MZ-FE) CAMSHAFT(LH BANK)(1MZ-FE)
	(09043-20060) Socket Hexagon Wrench 6	PARTIAL ENGINE ASSY(1MZ-FE) PARTIAL ENGINE ASSY(2AZ-FE)
	(09043-20080) Socket Hexagon Wrench 8	PARTIAL ENGINE ASSY(1MZ-FE) CAMSHAFT(RH BANK)(1MZ-FE) CYLINDER HEAD GASKET(1MZ-FE) CYLINDER HEAD GASKET NO.2(1MZ-FE) VALVE CLEARANCE(1MZ-FE)

PREPARATION – ENGINE MECHANICAL

	(09043-20100) Socket Hexagon Wrench 10	PARTIAL ENGINE ASSY(1MZ-FE) CYLINDER BLOCK(1MZ-FE) PARTIAL ENGINE ASSY(2AZ-FE)
	(09043-20050) Socket Hexagon Wrench 5	PARTIAL ENGINE ASSY(1MZ-FE) CAMSHAFT(RH BANK)(1MZ-FE) CYLINDER HEAD GASKET(1MZ-FE) CYLINDER HEAD GASKET NO.2(1MZ-FE) VALVE CLEARANCE(1MZ-FE) CAMSHAFT(LH BANK)(1MZ-FE)
	(09043-20060) Socket Hexagon Wrench 6	PARTIAL ENGINE ASSY(1MZ-FE) PARTIAL ENGINE ASSY(2AZ-FE)
	(09043-20080) Socket Hexagon Wrench 8	PARTIAL ENGINE ASSY(1MZ-FE) CAMSHAFT(RH BANK)(1MZ-FE) CYLINDER HEAD GASKET(1MZ-FE) CYLINDER HEAD GASKET NO.2(1MZ-FE) VALVE CLEARANCE(1MZ-FE)
	(09043-20100) Socket Hexagon Wrench 10	PARTIAL ENGINE ASSY(1MZ-FE) CYLINDER BLOCK(1MZ-FE) PARTIAL ENGINE ASSY(2AZ-FE)
	(09043-20120) Socket Hexagon Wrench 12	PARTIAL ENGINE ASSY(1MZ-FE) PARTIAL ENGINE ASSY(2AZ-FE)
	(09043-30140) Straight Hexagon Wrench 14	CYLINDER HEAD ASSY(1MZ-FE)
	09043-50100 Bi-hexagon Wrench 10 mm	PARTIAL ENGINE ASSY(2AZ-FE) CYLINDER HEAD GASKET(2AZ-FE)
	09216-00021 Belt Tension Gauge	ENGINE ASSEMBLY(1MZ-FE) PARTIAL ENGINE ASSY(1MZ-FE) CAMSHAFT(RH BANK)(1MZ-FE) OIL PUMP SEAL(1MZ-FE) CYLINDER HEAD GASKET(1MZ-FE) CYLINDER HEAD GASKET NO.2(1MZ-FE) DRIVE BELT(1MZ-FE) TIMING BELT(1MZ-FE) CAMSHAFT(LH BANK)(1MZ-FE)
	09200-00010 Engine Adjust Kit .	IGNITION SYSTEM(1MZ-FE) IGNITION SYSTEM(2AZ-FE)
	(09203-00010) Thickness Gauge	PARTIAL ENGINE ASSY(2AZ-FE)

	(09857-00031) Spark Plug Gap Gauge	ENGINE ASSEMBLY(1MZ-FE) ENGINE ASSEMBLY(2AZ-FE)
	09904-00010 Expander Set	PARTIAL ENGINE ASSY(1MZ-FE) CAMSHAFT(RH BANK)(1MZ-FE) CAMSHAFT(LH BANK)(1MZ-FE)
	(09904-00040) No. 3 Claw	PARTIAL ENGINE ASSY(1MZ-FE) CAMSHAFT(RH BANK)(1MZ-FE) CAMSHAFT(LH BANK)(1MZ-FE)

Equipment

12 mm Socket Wrench for 12 Pointed Head	
Reamer	
V-block	
Piston ring compressor	
Piston ring expander	
Valve seat cutter	
CO/HC meter	
Compression gauge	
Connecting rod aligner	
Cylinder gauge	
Feeler gauge	
Micrometer	
Precision straight edge	
Radiator cap tester	
Steel square	
Tachometer	
Torque wrench	
Hexagon Wrench Set	
Vernier calipers	
Dial indicator with magnetic base	
Tire pressure gauge	
Alignment tester	
Toe-in gauge	
Spring tension gauge	
OBD II scan tool	
Engine Sling Device	
Chain Block	
Spark plug cleaner	
Spring tester	
Plastigage	
Angle gauge	
Heater	
Universal engine lifter	
Plastic Hammer	
Chisel	

SSM

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

EXHAUST

PREPARATION

020TO-01

Equipment

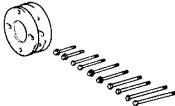
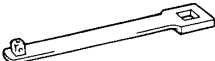
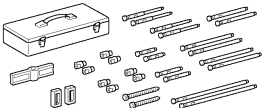
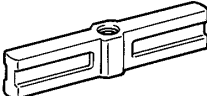
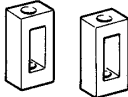
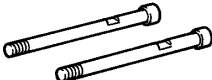
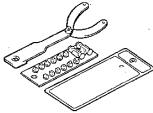
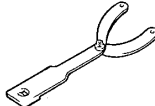
Torque wrench	
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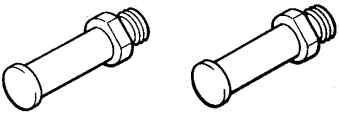
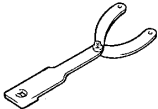
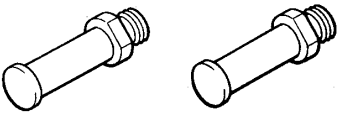
COOLING

PREPARATION

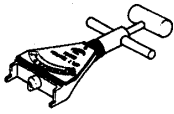
SST

020TP-01

	09213-54015	Crankshaft Pulley Holding Tool	WATER PUMP ASSY(1MZ-FE)
	(91651-60855)	Bolt	WATER PUMP ASSY(1MZ-FE)
	09249-63010	Torque Wrench Adaptor	WATER PUMP ASSY(1MZ-FE) WATER PUMP ASSY(2AZ-FE)
	09330-00021	Companion Flange Holding Tool	WATER PUMP ASSY(1MZ-FE)
	09950-50013	Puller C Set	WATER PUMP ASSY(1MZ-FE)
	(09951-05010)	Hanger 150	WATER PUMP ASSY(1MZ-FE)
	(09952-05010)	Slide Arm	WATER PUMP ASSY(1MZ-FE)
	(09953-05010)	Center Bolt 100	WATER PUMP ASSY(1MZ-FE)
	(09954-05030)	Claw No.3	WATER PUMP ASSY(1MZ-FE)
	09960-10010	Variable Pin Wrench Set	WATER PUMP ASSY(1MZ-FE) WATER PUMP ASSY(2AZ-FE)
	(09962-01000)	Variable Pin Wrench Arm Assy	WATER PUMP ASSY(1MZ-FE) WATER PUMP ASSY(2AZ-FE)
	(09963-00700)	Pin 7	WATER PUMP ASSY(2AZ-FE)

	(09963-01000) Pin 10	WATER PUMP ASSY(1MZ-FE)
	(09962-01000) Variable Pin Wrench Arm Assy	WATER PUMP ASSY(1MZ-FE) WATER PUMP ASSY(2AZ-FE)
	(09963-01000) Pin 10	WATER PUMP ASSY(1MZ-FE)

Recommended Tools

	09216-00021 Belt Tension Gauge	WATER PUMP ASSY(1MZ-FE)
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Equipment

Ohmmeter	
Radiator cap tester	
Thermomete	
Torque wrench	
Vernier calipers	
Heater	

SSM

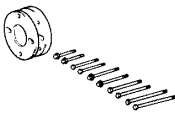
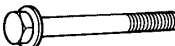
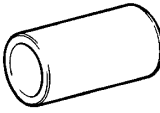
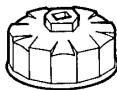
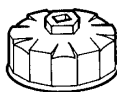
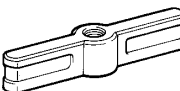
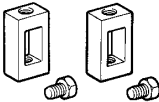
08826-00080 Seal Packing Black or equivalent (FIPG)	WATER PUMP ASSY(1MZ-FE) WATER PUMP ASSY(2AZ-FE)
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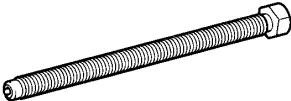
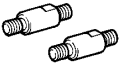
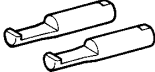
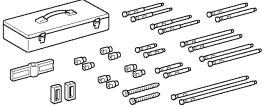
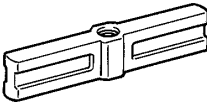
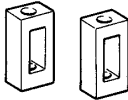
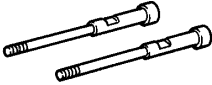
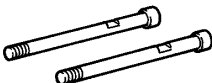
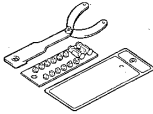
LUBRICATION

PREPARATION

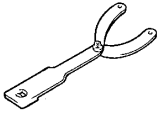
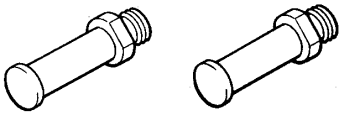
SST

020TT-01

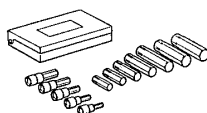
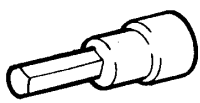
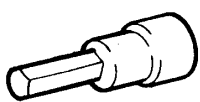
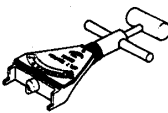
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	09213-54015	Crankshaft Pulley Holding Tool	OIL PUMP ASSY(1MZ-FE) OIL PUMP ASSY(2AZ-FE)
	(91651-60855)	Bolt	OIL PUMP ASSY(1MZ-FE) OIL PUMP ASSY(2AZ-FE)
	09223-00010	Cover & Seal Replacer	OIL PUMP ASSY(1MZ-FE)
	09228-06501	Oil Filter Wrench	OIL FILTER SUB-ASSY(2AZ-FE)
	09228-07501	Oil Filter Wrench	OIL FILTER SUB-ASSY(1MZ-FE)
	09249-63010	Torque Wrench Adaptor	OIL PUMP ASSY(1MZ-FE) OIL PUMP ASSY(2AZ-FE)
	09309-37010	Transmission Bearing Replacer	OIL PUMP ASSY(2AZ-FE)
	09330-00021	Companion Flange Holding Tool	OIL PUMP ASSY(1MZ-FE) OIL PUMP ASSY(2AZ-FE)
	09950-40011	Puller B Set	OIL PUMP ASSY(2AZ-FE)
	(09951-04010)	Hanger 150	OIL PUMP ASSY(2AZ-FE)
	(09952-04010)	Slide Arm	OIL PUMP ASSY(2AZ-FE)

	(09953-04030) Center Bolt 200	OIL PUMP ASSY(2AZ-FE)
	(09954-04010) Arm 25	OIL PUMP ASSY(2AZ-FE)
	(09955-04041) Claw No.4	OIL PUMP ASSY(2AZ-FE)
	(09957-04010) Attachment	OIL PUMP ASSY(2AZ-FE)
	09950-50013 Puller C Set	OIL PUMP ASSY(1MZ-FE) OIL PUMP ASSY(2AZ-FE)
	(09951-05010) Hanger 150	OIL PUMP ASSY(1MZ-FE) OIL PUMP ASSY(2AZ-FE)
	(09952-05010) Slide Arm	OIL PUMP ASSY(1MZ-FE) OIL PUMP ASSY(2AZ-FE)
	(09953-05010) Center Bolt 100	OIL PUMP ASSY(1MZ-FE)
	(09953-05020) Center Bolt 150	OIL PUMP ASSY(1MZ-FE) OIL PUMP ASSY(2AZ-FE)
	(09954-05010) Claw No.1	OIL PUMP ASSY(1MZ-FE)
	(09954-05021) Claw No.2	OIL PUMP ASSY(2AZ-FE)
	(09954-05030) Claw No.3	OIL PUMP ASSY(1MZ-FE)
	09960-10010 Variable Pin Wrench Set	OIL PUMP ASSY(1MZ-FE) OIL PUMP ASSY(2AZ-FE)

PREPARATION – LUBRICATION

	(09962-01000) Variable Pin Wrench Arm Assy	OIL PUMP ASSY(1MZ-FE) OIL PUMP ASSY(2AZ-FE)
	(09963-01000) Pin 10	OIL PUMP ASSY(1MZ-FE) OIL PUMP ASSY(2AZ-FE)

Recommended Tools

	09040-00011 Hexagon Wrench Set	OIL PUMP ASSY(1MZ-FE)
	(09043-20100) Socket Hexagon Wrench 10	OIL PUMP ASSY(1MZ-FE)
	(09043-20100) Socket Hexagon Wrench 10	OIL PUMP ASSY(1MZ-FE)
	09216-00021 Belt Tension Gauge	OIL PUMP ASSY(1MZ-FE)

Equipment

Feeler gauge	
Precision straight edge	
Radiator cap tester	
Torque wrench	

SSM

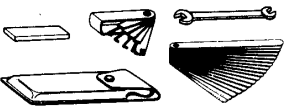
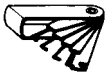
08826-00080 Seal Packing Black or equivalent (FIPG)	OIL PUMP ASSY(1MZ-FE) OIL PUMP ASSY(2AZ-FE)
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IGNITION

PREPARATION

020TQ-01

Recommended Tools

	09200-00010 Engine Adjust Kit .	IGNITION SYSTEM(1MZ-FE) IGNITION SYSTEM(2AZ-FE)
	(09857-00031) Spark Plug Gap Gauge	IGNITION SYSTEM(1MZ-FE) IGNITION SYSTEM(2AZ-FE)

Equipment

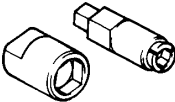
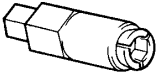
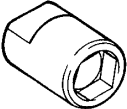
Spark plug cleaner	
Torque wrench	

STARTING & CHARGING

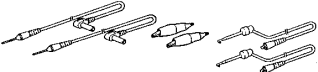
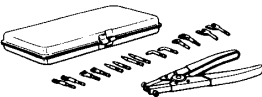
PREPARATION

020TR-01

SST

	09249-63010	Torque Wrench Adaptor	GENERATOR ASSY(2AZ-FE)
	09820-63010	Alternator Pulley Set Nut Wrench Set	GENERATOR ASSY(1MZ-FE) GENERATOR ASSY(2AZ-FE)
	(09820-06010)	Alternator Rotor Shaft Wrench	GENERATOR ASSY(1MZ-FE) GENERATOR ASSY(2AZ-FE)
	(09820-06020)	Alternator Pulley Set Nut 22 mm Wrench	GENERATOR ASSY(1MZ-FE) GENERATOR ASSY(2AZ-FE)

Recommended Tools

	(09083-00150)	Test Lead Set	STARTING SYSTEM(1MZ-FE) GENERATOR ASSY(1MZ-FE) STARTER ASSY(1MZ-FE) GENERATOR ASSY(2AZ-FE) STARTER ASSY(2AZ-FE) STARTING SYSTEM(2AZ-FE)
	09216-00021	Belt Tension Gauge	GENERATOR ASSY(1MZ-FE)
	09904-00010	Expander Set	STARTER ASSY(1MZ-FE) STARTER ASSY(2AZ-FE)

Equipment

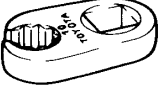
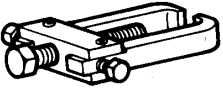
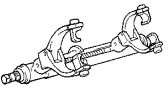
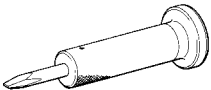
Dial indicator	
Ammmeter(A)	
Ohmmeter	
Torque wrench	
V-block	
Vernier calipers	
Dial indicator with magnetic base	
Press	

FRONT SUSPENSION

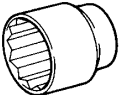
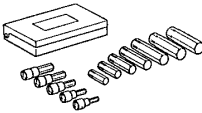
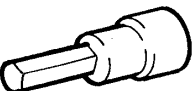
PREPARATION

020TC-01

SST

	09023-00100 Union Nut Wrench 10 mm	STABILIZER BAR FRONT
	09628-62011 Ball Joint Puller	LOWER BALL JOINT ASSY FRONT LH STABILIZER BAR FRONT
	09727-30021 Coil Spring Compressor	FRONT SHOCK ABSORBER WITH COIL SPRING
	09930-00010 Drive Shaft Nut Chisel	LOWER BALL JOINT ASSY FRONT LH

Recommended Tools

	09011-12301 Socket Wrench 30 mm	LOWER BALL JOINT ASSY FRONT LH
	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

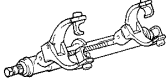
Torque wrench	
Dial indicator with magnetic base	
Tire pressure gauge	
Alignment tester	
Toe-in gauge	
Angle gauge	
Plastic hammer	
Engine Sling Device	
Universal Engine Lifter	
Chain Block	

REAR SUSPENSION

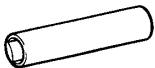
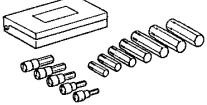
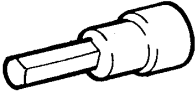
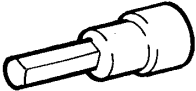
PREPARATION

020U5-01

SST

	09727-30021 Coil Spring Compressor	SHOCK ABSORBER ASSY REAR LH
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Recommended Tools

	09017-38120 Deep Socket Wrench 12 mm	SHOCK ABSORBER ASSY REAR LH
	09040-00011 Hexagon Wrench Set	SHOCK ABSORBER ASSY REAR LH REAR SUSPENSION ARM ASSY NO.1 LH REAR SUSPENSION ARM ASSY NO.2 LH STABILIZER BAR REAR
	(09043-20050) Socket Hexagon Wrench 5	SHOCK ABSORBER ASSY REAR LH REAR SUSPENSION ARM ASSY NO.1 LH REAR SUSPENSION ARM ASSY NO.2 LH STABILIZER BAR REAR
	(09043-20060) Socket Hexagon Wrench 6	SHOCK ABSORBER ASSY REAR LH

Equipment

Torque wrench	
Dial indicator with magnetic base	
Wheel balancer	
Tire pressure gauge	
Alignment tester	
Toe-in gauge	
Camber-caster-kingpin gauge	
Drill	

TIRE & WHEEL

PREPARATION

020T4-01

Equipment

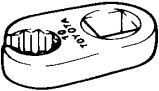
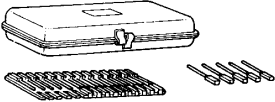
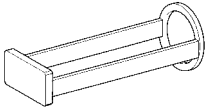
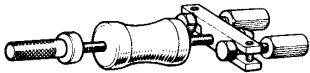
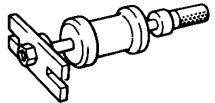
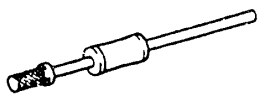
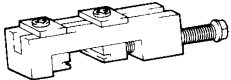
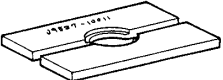
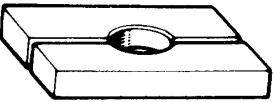
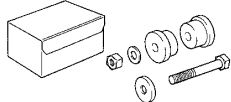
Tire pressure gauge	
Dial indicator with magnetic base	
Wheel balancer	

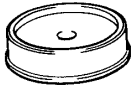
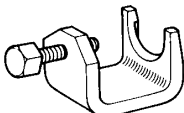
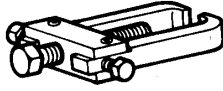
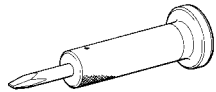
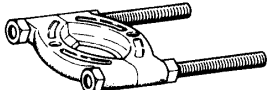
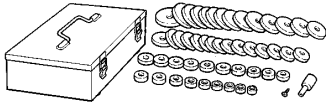
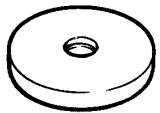
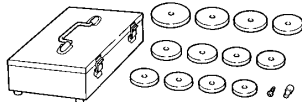
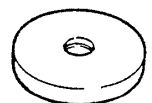
DRIVE SHAFT / PROPELLER SHAFT

PREPARATION

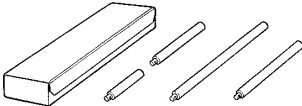
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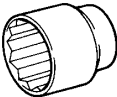
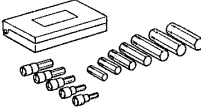
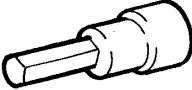
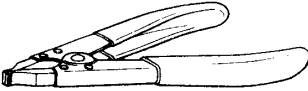
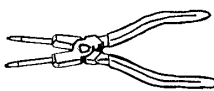
	09023-00100 Union Nut Wrench 10 mm	REAR AXLE CARRIER SUB-ASSY LH
	09240-00020 Wire Gauge Set	FRONT DRIVE SHAFT
	09387-00020 Direct Clutch Wrench	FRONT DRIVE SHAFT
	09520-00031 Rear Axle Shaft Puller	FRONT AXLE HUB SUB-ASSY LH
	09520-01010 Drive Shaft Remover Attachment	FRONT DRIVE SHAFT
	09520-24010 Differential Side Gear Shaft Puller	FRONT DRIVE SHAFT
	(09520-32040) Shocker Set	FRONT DRIVE SHAFT
	09521-24010 Rear Axle Shaft Puller	FRONT DRIVE SHAFT
	09527-10011 Rear Axle Shaft Bearing Remover	FRONT DRIVE SHAFT
	09527-17011 Rear Axle Shaft Bearing Remover	FRONT AXLE HUB SUB-ASSY LH
	09527-30010 Rear Axle Shaft Bearing Remover	FRONT DRIVE SHAFT
	09608-16042 Front Hub Bearing Adjusting Tool	FRONT DRIVE SHAFT

	(09608-02021) Bolt & Nut	FRONT DRIVE SHAFT
	(09608-02041) Retainer	FRONT DRIVE SHAFT
	09608-32010 Steering Knuckle Oil Seal Replacer	FRONT AXLE HUB SUB-ASSY LH
	09628-10011 Ball Joint Puller	FRONT AXLE LH HUB BOLT REAR AXLE LH HUB BOLT
	09628-62011 Ball Joint Puller	FRONT AXLE HUB SUB-ASSY LH FRONT DRIVE SHAFT
	09726-40010 Lower Control Shaft Bearing Replacer	FRONT DRIVE SHAFT
	09930-00010 Drive Shaft Nut Chisel	FRONT AXLE HUB SUB-ASSY LH FRONT DRIVE SHAFT
	09950-00020 Bearing Remover	FRONT AXLE HUB SUB-ASSY LH FRONT DRIVE SHAFT
	09950-60010 Replacer Set	FRONT AXLE HUB SUB-ASSY LH
	(09951-00410) Replacer 41	FRONT AXLE HUB SUB-ASSY LH
	(09951-00600) Replacer 60	FRONT AXLE HUB SUB-ASSY LH
	09950-60020 Replacer Set No.2	FRONT AXLE HUB SUB-ASSY LH
	(09951-00790) Replacer 79	FRONT AXLE HUB SUB-ASSY LH

PREPARATION – DRIVE SHAFT / PROPELLER SHAFT

	09950-70010 Handle Set	FRONT AXLE HUB SUB-ASSY LH
	(09951-07100) Handle 100	FRONT AXLE HUB SUB-ASSY LH

Recommended Tools

	09011-12301 Socket Wrench 30 mm	FRONT AXLE HUB SUB-ASSY LH FRONT DRIVE SHAFT
	09040-00011 Hexagon Wrench Set	FRONT DRIVE SHAFT
	(09043-20060) Socket Hexagon Wrench 6	FRONT DRIVE SHAFT
	09905-00012 Snap Ring No.1 Expander	FRONT DRIVE SHAFT
	09905-00013 Snap Ring Pliers	FRONT AXLE HUB SUB-ASSY LH

Equipment

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

Lubricant

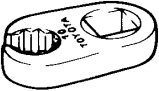
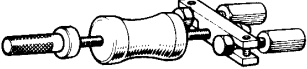
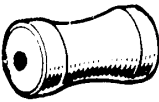
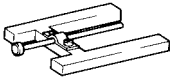
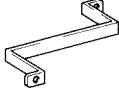
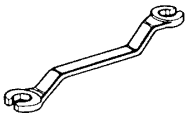
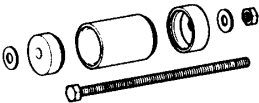
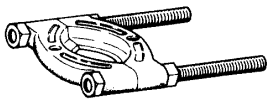
Item	Capacity
Front drive shaft	
1MZ-FE/2AZ-FE (MT)	Outboard joint grease 105 – 125 g (3.7 – 4.4 oz.)
2AZ-FE (AT)	Outboard joint grease 100 – 120 g (3.5 – 4.2 oz.)
	Inboard joint grease 185 – 195 g (6.5 – 6.9 oz.)

BRAKE

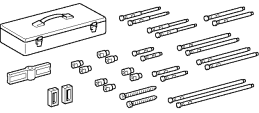
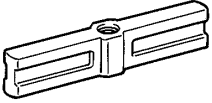
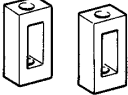
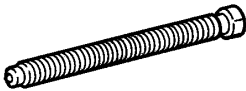
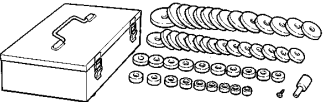
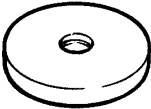
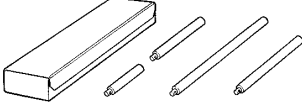
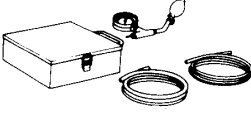
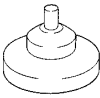
PREPARATION

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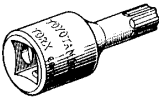
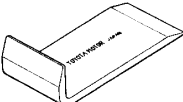
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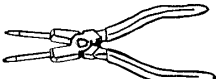
	09023-00100 Union Nut Wrench 10 mm	BRAKE FLUID BRAKE BOOSTER ASSY FRONT BRAKE BRAKE ACTUATOR ASSY ABS & TRACTION ACTUATOR ASSY BRAKE MASTER CYLINDER SUB-ASSY REAR DRUM BRAKE REAR DISC BRAKE PROPORTIONING VALVE ASSY
	09520-00031 Rear Axle Shaft Puller	SKID CONTROL SENSOR
	(09520-00040) Shocker	SKID CONTROL SENSOR
	09521-00020 Drive Shaft Boot Clamping Tool	SKID CONTROL SENSOR
	09703-30010 Brake Shoe Return Spring Tool	REAR DRUM BRAKE
	09718-00010 Shoe Hold Down Spring Driver	REAR DRUM BRAKE
	09737-00011 Brake Booster Push Rod Gauge	BRAKE BOOSTER ASSY BRAKE MASTER CYLINDER SUB-ASSY
	09737-00020 Brake Booster Push Rod Wrench	BRAKE BOOSTER ASSY BRAKE MASTER CYLINDER SUB-ASSY
	09751-36011 Brake Line Union Nut 10 x 12 mm Wrench	REAR DRUM BRAKE
	09830-36010 Front Mounting Cushion Remover & Replacer	SKID CONTROL SENSOR
	09950-00020 Bearing Remover	SKID CONTROL SENSOR

PREPARATION – BRAKE

	09950-50013 Puller C Set	STEERING SENSOR BRAKE PEDAL SUPPORT ASSY
	(09951-05010) Hanger 150	STEERING SENSOR BRAKE PEDAL SUPPORT ASSY
	(09952-05010) Slide Arm	STEERING SENSOR BRAKE PEDAL SUPPORT ASSY
	(09953-05020) Center Bolt 150	STEERING SENSOR BRAKE PEDAL SUPPORT ASSY
	(09954-05021) Claw No.2	STEERING SENSOR BRAKE PEDAL SUPPORT ASSY
	09950-60010 Replacer Set	SKID CONTROL SENSOR
	(09951-00650) Replacer 65	SKID CONTROL SENSOR
	09950-70010 Handle Set	SKID CONTROL SENSOR
	(09951-07100) Handle 100	SKID CONTROL SENSOR
	09992-00242 Turbocharger Pressure Gauge	BRAKE FLUID
	09992-00350 Brake Reservoir Pressure Adapter	BRAKE FLUID

Recommended Tools

	09042-00010 Torx Socket T30	STEERING SENSOR BRAKE PEDAL SUPPORT ASSY
	09070-20010 Moulding Remover	BRAKE PEDAL SUPPORT ASSY

	09905-00013 Snap Ring Pliers	BRAKE MASTER CYLINDER SUB-ASSY
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Equipment

Vernier calipers	
Dial indicator	
Torque wrench	
Brake drum gauge	

Lubricant

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

PARKING BRAKE

PREPARATION

020UQ-01

Recomended Tools

	09070-20010 Moulding Remover	PARKING BRAKE CONTROL PEDAL ASSY PARKING BRAKE CABLE ASSY NO.1
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Equipment

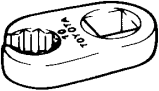
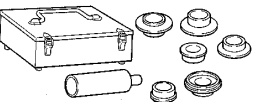
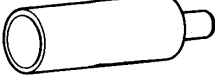
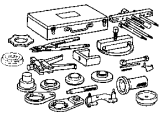
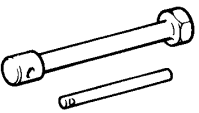
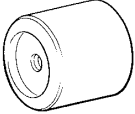
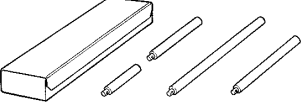
Brake drum gauge	
Torque wrench	

AUTOMATIC TRANSMISSION / TRANS

PREPARATION

020U2-01

SST

	09023-12700	Union Nut Wrench 17mm	AUTOMATIC ASSY(1MZ-FE) AUTOMATIC ASSY(2AZ-FE)	TRANSAXLE TRANSAXLE
	09223-15020	Oil Seal & Bearing Replacer	FRONT SEAL(U140E)	DIFFERENTIAL OIL
	09308-00010	Oil Seal Puller	FRONT SEAL(U140E) FRONT SEAL(U241E)	DIFFERENTIAL OIL
	09316-60011	Transmission & Transfer Bearing Replacer	FRONT SEAL(U140E) FRONT SEAL(U241E)	DIFFERENTIAL OIL
	(09316-00011)	Replacer Pipe	FRONT SEAL(U140E) FRONT SEAL(U241E)	DIFFERENTIAL OIL
	09350-32014	TOYOTA Automatic Transmission Tool Set	TORQUE CONVERTER AND DRIVE PLATE AUTOMATIC ASSY(1MZ-FE) AUTOMATIC ASSY(2AZ-FE)	CLUTCH TRANSAXLE TRANSAXLE
	(09351-32010)	One-way Clutch Test Tool	TORQUE CONVERTER AND DRIVE PLATE AUTOMATIC ASSY(1MZ-FE) AUTOMATIC ASSY(2AZ-FE)	CLUTCH TRANSAXLE TRANSAXLE
	09649-17010	Steering Knuckle Tool	FRONT SEAL(U241E)	DIFFERENTIAL OIL
	09950-70010	Handle Set	FRONT SEAL(U140E) FRONT SEAL(U241E)	DIFFERENTIAL OIL
	(09951-07150)	Handle 150	FRONT SEAL(U140E) FRONT SEAL(U241E)	DIFFERENTIAL OIL

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
U140E: Automatic transaxle fluid Dry fill Drain and refill	8.60 liters (9.1 US qts, 7.6 Imp.qts) 3.50 liters (3.7 US qts, 3.1 Imp.qts)	ATF Type T-IV
U241E: Automatic transaxle fluid Dry fill Drain and refill	8.20 liters (8.7 US qts, 7.2 Imp.qts) 3.90 liters (4.1 US qts, 3.4 Imp.qts)	ATF Type T-IV

SSM (Special Service Materials)

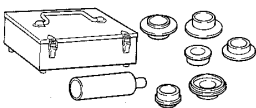
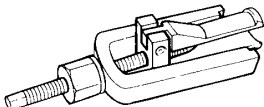
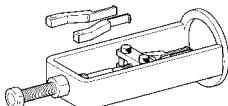
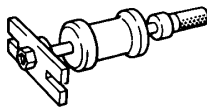
08833-00070	"Adhesive 1324," THREE BOND 1324 or equivalent	
08833-00080	Adhesive 1344 THREE BOND 1344 LOCTITE 242 or equivalent	

MANUAL TRANSMISSION/TRANSAXLE

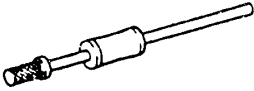
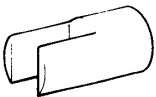
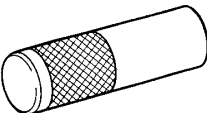
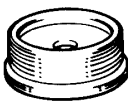
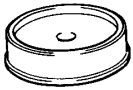
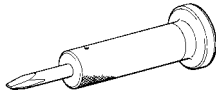
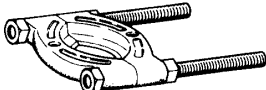
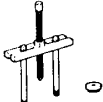
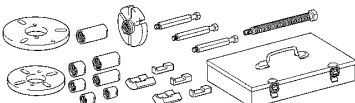
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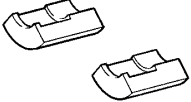
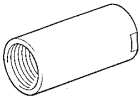
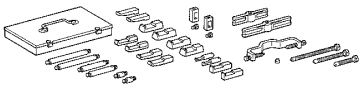
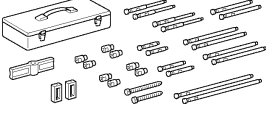
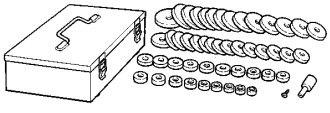
PREPARATION

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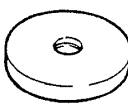
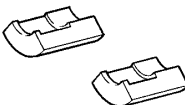
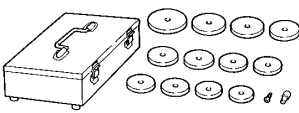
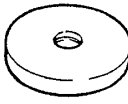
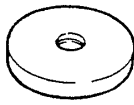
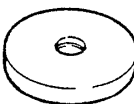
	09308-00010 Oil Seal Puller	FRONT DIFFERENTIAL OIL SEAL MANUAL TRANSAXLE ASSY(E351)
	09316-20011 Transfer Bearing Replacer	MANUAL TRANSAXLE ASSY(E351)
	09316-60011 Transmission & Transfer Bearing Replacer	INPUT SHAFT ASSY(E351) OUTPUT SHAFT ASSY(E351)
	(09316-00031) Replacer "B"	OUTPUT SHAFT ASSY(E351)
	(09316-00041) Replacer "C"	INPUT SHAFT ASSY(E351)
	09319-60020 Output Shaft Needle Roller Bearing Remover	MANUAL TRANSAXLE ASSY(E351) SHIFT & SELECT LEVER SHAFT ASSY(E351)
	09387-00041 Bearing Puller Assembly	MANUAL TRANSAXLE ASSY(E351)
	(09387-02010) Oil Seal Replacer	MANUAL TRANSAXLE ASSY(E351)
	(09387-02020) One-way Clutch Test Tool Set	MANUAL TRANSAXLE ASSY(E351)
	09506-30012 Differential Drive Pinion Rear Bearing Cone Replacer	OUTPUT SHAFT ASSY(E351)
	09520-01010 Drive Shaft Remover Attachment	FRONT DIFFERENTIAL OIL SEAL
	09520-24010 Differential Side Gear Shaft Puller	FRONT DIFFERENTIAL OIL SEAL

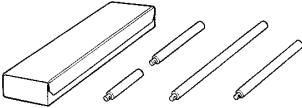
PREPARATION — MANUAL TRANSMISSION/TRANSAXLE

	(09520-32040) Shocker Set	FRONT DIFFERENTIAL OIL SEAL
	09564-32011 Differential Preload Adaptor	MANUAL TRANSAXLE ASSY(E351)
	09608-00071 Drive Pinion Rear Bearing Cone Replacer	INPUT SHAFT ASSY(E351) OUTPUT SHAFT ASSY(E351)
	09608-06041 Front Hub Inner Bearing Cone Replacer	INPUT SHAFT ASSY(E351)
	09608-10010 Steering Knuckle Oil Seal Replacer	FRONT DIFFERENTIAL OIL SEAL MANUAL TRANSAXLE ASSY(E351)
	09608-32010 Steering Knuckle Oil Seal Replacer	FRONT DIFFERENTIAL OIL SEAL MANUAL TRANSAXLE ASSY(E351)
	09930-00010 Drive Shaft Nut Chisel	MANUAL TRANSAXLE ASSY MANUAL TRANSAXLE ASSY(E351) DIFFERENTIAL CASE ASSY(E351)
	09950-00020 Bearing Remover	MANUAL TRANSAXLE ASSY(E351) INPUT SHAFT ASSY(E351) OUTPUT SHAFT ASSY(E351)
	09950-00030 Bearing Remover Attachment	MANUAL TRANSAXLE ASSY(E351)
	09950-30012 Puller A Set	MANUAL TRANSAXLE ASSY(E351)
	(09951-03010) Upper Plate	MANUAL TRANSAXLE ASSY(E351)
	(09953-03010) Center Bolt	MANUAL TRANSAXLE ASSY(E351)
	(09954-03010) Arm	MANUAL TRANSAXLE ASSY(E351)

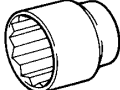
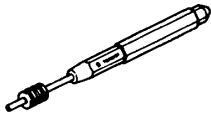
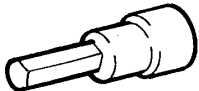
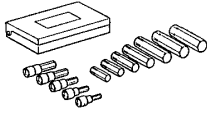
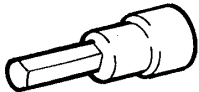
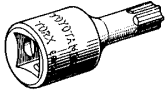
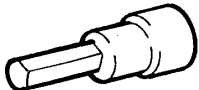
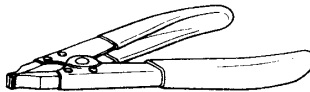
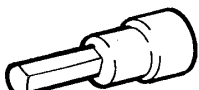
	(09955-03011) Claw No.1	MANUAL TRANSAXLE ASSY(E351)
	(09956-03030) Adaptor 20	MANUAL TRANSAXLE ASSY(E351)
	(09957-04010) Attachment	MANUAL TRANSAXLE ASSY(E351)
	09950-40011 Puller B Set	MANUAL TRANSAXLE ASSY(E351)
	(09957-04010) Attachment	MANUAL TRANSAXLE ASSY(E351)
	09950-50013 Puller C Set	MANUAL TRANSAXLE ASSY(E351)
	(09957-04010) Attachment	MANUAL TRANSAXLE ASSY(E351)
	09950-60010 Replacer Set	MANUAL TRANSAXLE ASSY(E351) OUTPUT SHAFT ASSY(E351) SHIFT & SELECT LEVER SHAFT ASSY(E351)
	(09951-00180) Replacer 18	MANUAL TRANSAXLE ASSY(E351)
	(09951-00210) Replacer 21	SHIFT & SELECT LEVER SHAFT ASSY(E351)
	(09951-00280) Replacer 28	MANUAL TRANSAXLE ASSY(E351) SHIFT & SELECT LEVER SHAFT ASSY(E351)
	(09951-00320) Replacer 32	OUTPUT SHAFT ASSY(E351)
	(09951-00420) Replacer 42	MANUAL TRANSAXLE ASSY(E351)

PREPARATION – MANUAL TRANSMISSION/TRANSAXLE

	(09951-00430) Replacer 43	OUTPUT SHAFT ASSY(E351)
	(09951-00490) Replacer 49	MANUAL TRANSAXLE ASSY(E351)
	(09951-00560) Replacer 56	MANUAL TRANSAXLE ASSY(E351)
	(09951-00570) Replacer 57	MANUAL TRANSAXLE ASSY(E351)
	(09951-00600) Replacer 60	MANUAL TRANSAXLE ASSY(E351)
	(09951-00680) Replacer 68	MANUAL TRANSAXLE ASSY(E351)
	(09955-03011) Claw No.1	MANUAL TRANSAXLE ASSY(E351)
	09950-60020 Replacer Set No.2	MANUAL TRANSAXLE ASSY(E351)
	(09951-00680) Replacer 68	MANUAL TRANSAXLE ASSY(E351)
	(09951-00730) Replacer 73	MANUAL TRANSAXLE ASSY(E351)
	(09951-00790) Replacer 79	MANUAL TRANSAXLE ASSY(E351)
	(09951-00890) Replacer 89	MANUAL TRANSAXLE ASSY(E351)
	(09951-00910) Replacer 91	MANUAL TRANSAXLE ASSY(E351)

	09950-70010 Handle Set	FRONT DIFFERENTIAL OIL SEAL MANUAL TRANSAXLE ASSY(E351) OUTPUT SHAFT ASSY(E351) SHIFT & SELECT LEVER SHAFT ASSY(E351)
	(09951-07100) Handle 100	MANUAL TRANSAXLE ASSY(E351) OUTPUT SHAFT ASSY(E351) SHIFT & SELECT LEVER SHAFT ASSY(E351)
	(09951-07150) Handle 150	MANUAL TRANSAXLE ASSY(E351) OUTPUT SHAFT ASSY(E351)
	(09951-07200) Handle 200	FRONT DIFFERENTIAL OIL SEAL

Recommended Tools

	09011-12301 Socket Wrench 30 mm	MANUAL TRANSAXLE ASSY MANUAL TRANSAXLE ASSY(E351)
	09031-00040 Pin Punch .	MANUAL TRANSAXLE ASSY(E351) SHIFT & SELECT LEVER SHAFT ASSY(E351) DIFFERENTIAL CASE ASSY(E351)
	(09043-20060) Socket Hexagon Wrench 6	MANUAL TRANSAXLE ASSY MANUAL TRANSAXLE ASSY(E351)
	09040-00011 Hexagon Wrench Set	MANUAL TRANSAXLE ASSY MANUAL TRANSAXLE ASSY(E351)
	(09043-20060) Socket Hexagon Wrench 6	MANUAL TRANSAXLE ASSY MANUAL TRANSAXLE ASSY(E351)
	09042-00050 Torx Socket T45	MANUAL TRANSAXLE ASSY(E351)
	(09043-20060) Socket Hexagon Wrench 6	MANUAL TRANSAXLE ASSY MANUAL TRANSAXLE ASSY(E351)
	09905-00012 Snap Ring No.1 Expander	MANUAL TRANSAXLE ASSY(E351)
	(09043-20060) Socket Hexagon Wrench 6	MANUAL TRANSAXLE ASSY MANUAL TRANSAXLE ASSY(E351)

Equipment

Dial indicator with magnetic base	
Torque wrench	
Slide calipers	
V-block	
Micrometer	
Dial indicator	
Cylinder gauge	
Feeler gauge	
Precision straight edge	

Lubricant

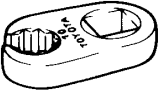
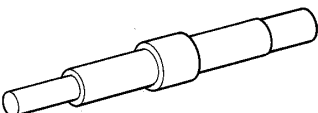
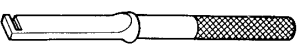
Item	Capacity	Classification
Manual transaxle oil (w/ Differential oil)	2.5 liters (2.6 US qts, 2.2 Imp. qts)	API GL-4 or GL-5 SAE 75W-90

CLUTCH

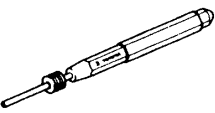
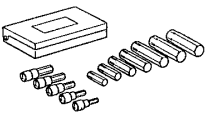
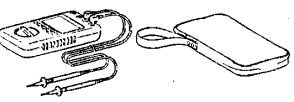
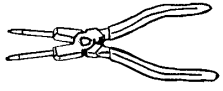
PREPARATION

SST

020TG-01

	09023-00100	Union Nut Wrench 10 mm	CLUTCH MASTER CYLINDER ASSY CLUTCH RELEASE CYLINDER ASSY
	09301-00220	Clutch Guide Tool	CLUTCH UNIT
	09333-00013	Universal Joint Bearing Remover & Replacer	CLUTCH UNIT

Recommended Tools

	09031-00030	Pin Punch	CLUTCH MASTER CYLINDER ASSY
	09040-00011	Hexagon Wrench Set	CLUTCH MASTER CYLINDER ASSY CLUTCH PEDAL SUB-ASSY
	09082-00040	TOYOTA Electrical Tester	CLUTCH START SWITCH ASSY
	09905-00013	Snap Ring Pliers	CLUTCH MASTER CYLINDER ASSY

Equipment

Vernier calipers	
Dial indicator with magnetic base	
Torque wrench	

Lubricant

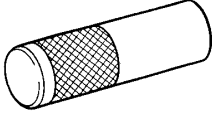
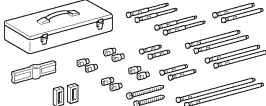
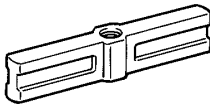
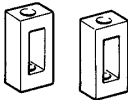
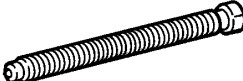
Item	Capacity	Classification
Brake fluid	–	SAE J1703 or FMVSS No. 116 DOT3

STEERING COLUMN

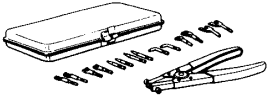
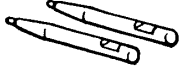
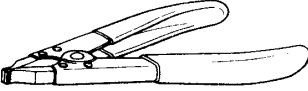
PREPARATION

020TY-01

SST

	09608-06041	Front Hub Inner Bearing Cone Replacer	STEERING COLUMN ASSY(TMC MADE)
	09950-50013	Puller C Set	STEERING COLUMN ASSY(TMC MADE) STEERING COLUMN ASSY(TMMK MADE)
	(09951-05010)	Hanger 150	STEERING COLUMN ASSY(TMC MADE) STEERING COLUMN ASSY(TMMK MADE)
	(09952-05010)	Slide Arm	STEERING COLUMN ASSY(TMC MADE) STEERING COLUMN ASSY(TMMK MADE)
	(09953-05020)	Center Bolt 150	STEERING COLUMN ASSY(TMC MADE) STEERING COLUMN ASSY(TMMK MADE)
	(09954-05021)	Claw No.2	STEERING COLUMN ASSY(TMC MADE) STEERING COLUMN ASSY(TMMK MADE)

Recommended Tools

	09904-00010	Expander Set	STEERING COLUMN ASSY(TMC MADE)
	(09904-00050)	No. 4 Claw	STEERING COLUMN ASSY(TMC MADE)
	09905-00012	Snap Ring No.1 Expander	STEERING COLUMN ASSY(TMC MADE)

Equipment

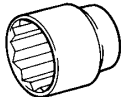
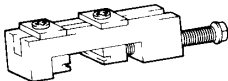
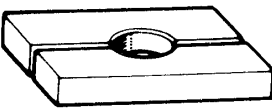
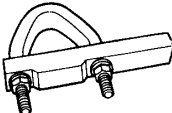
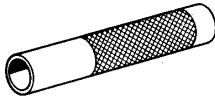
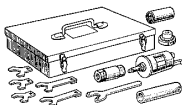
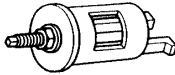
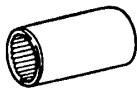
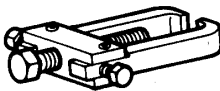
Torque wrench	
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POWER STEERING

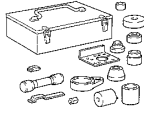
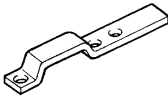
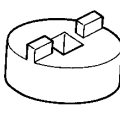
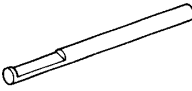
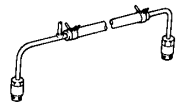
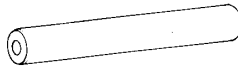
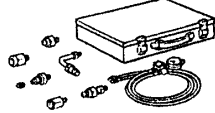
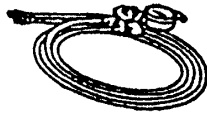
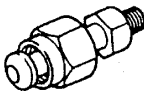
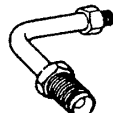
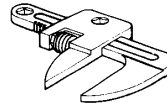
PREPARATION

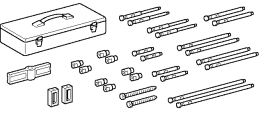
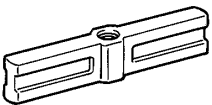
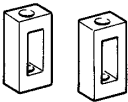
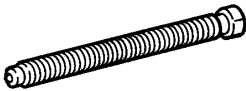
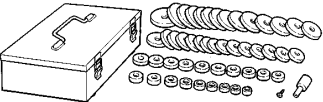
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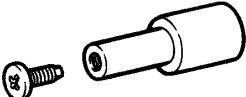
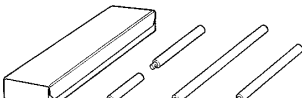
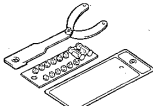
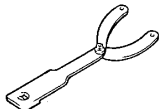
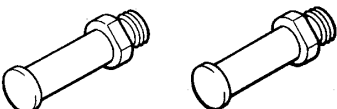
	09011-12271	Socket Wrench for 27 mm	RACK & PINION POWER STEERING GEAR ASSY
	09023-12700	Union Nut Wrench 17mm	RACK & PINION POWER STEERING GEAR ASSY
	09023-38200	Union Nut Wrench 12mm	RACK & PINION POWER STEERING GEAR ASSY
	09249-63010	Torque Wrench Adaptor	VANE PUMP ASSY(2AZ-FE)
	09521-24010	Rear Axle Shaft Puller	RACK & PINION POWER STEERING GEAR ASSY
	09527-21011	Rear Axle Shaft Bearing Remover	RACK & PINION POWER STEERING GEAR ASSY
	09612-00012	Rack & Pinion Steering Rack Housing Stand	RACK & PINION POWER STEERING GEAR ASSY
	09612-22011	Tilt Handle Bearing Replacer	RACK & PINION POWER STEERING GEAR ASSY
	09612-24014	Steering Gear Housing Overhaul Tool Set	RACK & PINION POWER STEERING GEAR ASSY
	(09613-22011)	Steering Rack Shaft Bushing Puller	RACK & PINION POWER STEERING GEAR ASSY
	09616-00011	Steering Worm Bearing Adjusting Socket	RACK & PINION POWER STEERING GEAR ASSY
	09628-62011	Boll Joint Puller	RACK & PINION POWER STEERING GEAR ASSY

PREPARATION – POWER STEERING

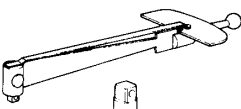
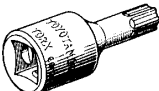
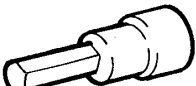
	09630-00014 Power Steering Gear Housing Overhaul Tool Set	VANE PUMP ASSY(2AZ-FE)
	(09631-00132) Vane Pump Bracket	VANE PUMP ASSY(2AZ-FE)
	09631-10021 Rack Stopper Wrench	RACK & PINION POWER STEERING GEAR ASSY
	09631-10030 Oil Seal Remover	VANE PUMP ASSY(1MZ-FE) VANE PUMP ASSY(2AZ-FE)
	09631-12071 Steering Rack Oil Seal Test Tool	RACK & PINION POWER STEERING GEAR ASSY
	(09633-00010) Packing	RACK & PINION POWER STEERING GEAR ASSY
	09631-20081 Seal Ring Tool	RACK & PINION POWER STEERING GEAR ASSY
	09631-33010 Steering Rack Cover "I"	RACK & PINION POWER STEERING GEAR ASSY
	09640-10010 Power Steering Pressure Gauge Set	POWER STEERING SYSTEM
	(09641-01010) Gauge Assy	POWER STEERING SYSTEM
	(09641-01020) Attachment A	POWER STEERING SYSTEM
	(09641-01030) Attachment B	POWER STEERING SYSTEM
	09922-10010 Variable Open Wrench	RACK & PINION POWER STEERING GEAR ASSY

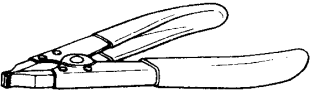
	09950-50013 Puller C Set	RACK & PINION POWER STEERING GEAR ASSY
	(09951-05010) Hanger 150	RACK & PINION POWER STEERING GEAR ASSY
	(09952-05010) Slide Arm	RACK & PINION POWER STEERING GEAR ASSY
	(09953-05020) Center Bolt 150	RACK & PINION POWER STEERING GEAR ASSY
	(09954-05021) Claw No.2	RACK & PINION POWER STEERING GEAR ASSY
	09950-60010 Replacer Set	RACK & PINION POWER STEERING GEAR ASSY VANE PUMP ASSY(1MZ-FE) VANE PUMP ASSY(2AZ-FE)
	(09951-00180) Replacer 18	RACK & PINION POWER STEERING GEAR ASSY
	(09951-00250) Replacer 25	RACK & PINION POWER STEERING GEAR ASSY
	(09951-00280) Replacer 28	VANE PUMP ASSY(2AZ-FE)
	(09951-00290) Replacer 29	RACK & PINION POWER STEERING GEAR ASSY
	(09951-00320) Replacer 32	RACK & PINION POWER STEERING GEAR ASSY
	(09951-00330) Replacer 33	VANE PUMP ASSY(1MZ-FE)
	(09951-00340) Replacer 34	RACK & PINION POWER STEERING GEAR ASSY

PREPARATION – POWER STEERING

	(09951-00400) Replacer 40	RACK & PINION POWER STEERING GEAR ASSY
	(09951-00420) Replacer 42	RACK & PINION POWER STEERING GEAR ASSY
	(09952-06010) Adapter	RACK & PINION POWER STEERING GEAR ASSY
	09950-70010 Handle Set	RACK & PINION POWER STEERING GEAR ASSY VANE PUMP ASSY(1MZ-FE) VANE PUMP ASSY(2AZ-FE)
	(09951-07100) Handle 100	RACK & PINION POWER STEERING GEAR ASSY VANE PUMP ASSY(1MZ-FE) VANE PUMP ASSY(2AZ-FE)
	(09951-07150) Handle 150	RACK & PINION POWER STEERING GEAR ASSY
	(09951-07360) Handle 360	RACK & PINION POWER STEERING GEAR ASSY
	09960-10010 Variable Pin Wrench Set	VANE PUMP ASSY(1MZ-FE)
	(09962-01000) Variable Pin Wrench Arm Assy	VANE PUMP ASSY(1MZ-FE)
	(09963-01000) Pin 10	VANE PUMP ASSY(1MZ-FE)

Recommended Tools

	09025-00010 Torque Wrench (30 kgf-cm)	RACK & PINION POWER STEERING GEAR ASSY
	09042-00010 Torx Socket T30	RACK & PINION POWER STEERING GEAR ASSY
	(09043-20060) Socket Hexagon Wrench 6	RACK & PINION POWER STEERING GEAR ASSY

	09905-00012 Snap Ring No.1 Expander	VANE PUMP ASSY(1MZ-FE) VANE PUMP ASSY(2AZ-FE)
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Equipment

Caliper gauge	Vane pump assy
Belt tension gauge	Vane pump assy
Vernier calipers	Vane pump assy
Dial indicator	Steering gear assy
Feeler gauge	Vane pump assy
Micrometer	Vane pump assy
Torque wrench	

Lubricant

Item	Capacity	Classification
Power steering fluid (Total) 2AZ-FE 1MZ-FE	1.0 liters (1.1 US qts, 0.9 Imp.qts)	ATF DEXRON® II or III

SSM

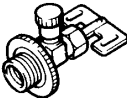
08833-00080 Adhesive 1344 THREE BOND 1344 LOCTITE 242 or equivalent	RACK & PINION POWER STEERING GEAR ASSY
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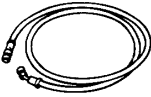
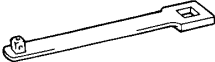
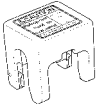
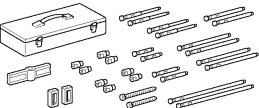
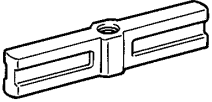
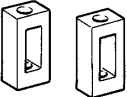
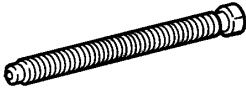
HEATER & AIR CONDITIONER

PREPARATION

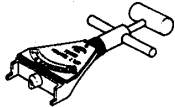
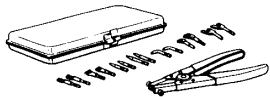
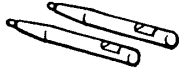
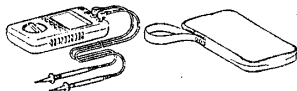
SST

020UA-01

	07110-58060 Air Conditioner Service Tool Set	REFRIGERANT AIR CONDITIONING RADIATOR ASSY COOLER CONDENSER ASSY COOLER COMPRESSOR ASSY(1MZ-FE) COOLER COMPRESSOR ASSY(2AZ-FE)
	(07117-58060) Refrigerant Drain Service Valve	REFRIGERANT AIR CONDITIONING RADIATOR ASSY COOLER CONDENSER ASSY COOLER COMPRESSOR ASSY(1MZ-FE) COOLER COMPRESSOR ASSY(2AZ-FE)
	(07117-58070) T-Joint	REFRIGERANT AIR CONDITIONING RADIATOR ASSY COOLER CONDENSER ASSY COOLER COMPRESSOR ASSY(1MZ-FE) COOLER COMPRESSOR ASSY(2AZ-FE)
	(07117-58080) Quick Disconnect Adapter	REFRIGERANT AIR CONDITIONING RADIATOR ASSY COOLER CONDENSER ASSY COOLER COMPRESSOR ASSY(1MZ-FE) COOLER COMPRESSOR ASSY(2AZ-FE)
	(07117-58090) Quick Disconnect Adapter	REFRIGERANT AIR CONDITIONING RADIATOR ASSY COOLER CONDENSER ASSY COOLER COMPRESSOR ASSY(1MZ-FE) COOLER COMPRESSOR ASSY(2AZ-FE)
	(07117-78050) Refrigerant Charging Gauge	REFRIGERANT AIR CONDITIONING RADIATOR ASSY COOLER CONDENSER ASSY COOLER COMPRESSOR ASSY(1MZ-FE) COOLER COMPRESSOR ASSY(2AZ-FE)

	(07117-88060) Refrigerant Charging Hose	REFRIGERANT AIR CONDITIONING RADIATOR ASSY COOLER CONDENSER ASSY COOLER COMPRESSOR ASSY(1MZ-FE) COOLER COMPRESSOR ASSY(2AZ-FE)
	(07117-88070) Refrigerant Charging Hose	REFRIGERANT AIR CONDITIONING RADIATOR ASSY COOLER CONDENSER ASSY COOLER COMPRESSOR ASSY(1MZ-FE) COOLER COMPRESSOR ASSY(2AZ-FE)
	(07117-88080) Refrigerant Charging Hose	REFRIGERANT AIR CONDITIONING RADIATOR ASSY COOLER CONDENSER ASSY COOLER COMPRESSOR ASSY(1MZ-FE) COOLER COMPRESSOR ASSY(2AZ-FE)
	09249-63010 Torque Wrench Adaptor	COOLER COMPRESSOR ASSY(2AZ-FE)
	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 BLOWER ASSY
	(09951-05010) Hanger 150	AIR CONDITIONING RADIATOR ASSY BLOWER ASSY
	(09952-05010) Slide Arm	AIR CONDITIONING RADIATOR ASSY BLOWER ASSY
	(09953-05020) Center Bolt 150	AIR CONDITIONING RADIATOR ASSY BLOWER ASSY
	(09954-05021) Claw No.2	AIR CONDITIONING RADIATOR ASSY BLOWER ASSY

Recommended Tools

	09070-20010	Moulding Remover	AIR CONDITIONING RADIATOR ASSY BLOWER ASSY
	09216-00021	Belt Tension Gauge	V (COOLER COMPRESSOR TO CRANKSHAFT PULLEY) BELT NO.1
	09904-00010	Expander Set	COOLER COMPRESSOR ASSY(1MZ-FE) COOLER COMPRESSOR ASSY(2AZ-FE)
	(09904-00050)	No. 4 Claw	COOLER COMPRESSOR ASSY(1MZ-FE) COOLER COMPRESSOR ASSY(2AZ-FE)
	09082-00040	TOYOTA Electrical Tester	

Equipment

Voltmeter	
Ammeter	
Ohmmeter	
Vinyl tape	
Hexagon wrench (10 mm)	
Hexagon wrench (4 mm)	
Torque socket wrench (E 8)	
Vise pliers	
Gas leak detector	
Belt tension gauge	
Dial indicator	
Torque wrench	

Lubricant

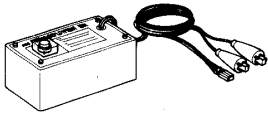
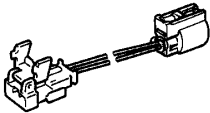
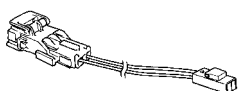
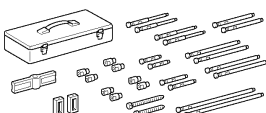
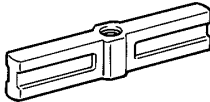
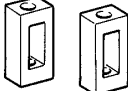
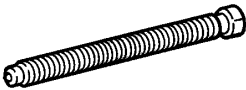
Item	Capacity	Classification
Compressor oil	–	ND-OIL 8 or equivalent

SUPPLEMENTAL RESTRAINT SYSTEM

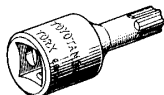
PREPARATION

SST

020UG-01

	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 RH
	09082-00750	Airbag Deployment Wire Sub-harness No.3	FRONT SEAT AIRBAG ASSY RH
	09082-00780	Airbag Deployment Wire Sub-harness No.6	HORN BUTTON ASSY
	09082-00801	Airbag Deployment Wire Sub-Harness No. 8	HORN BUTTON ASSY INSTR PNL PASS L/DOOR AIR BAG ASSY CURTAIN SHIELD AIR BAG ASSY LH
	(09082-10801)	Wire A	HORN BUTTON ASSY INSTR PNL PASS L/DOOR AIR BAG ASSY CURTAIN SHIELD AIR BAG ASSY LH
	(09082-20801)	Wire B	CURTAIN SHIELD AIR BAG ASSY LH
	(09082-30801)	Wire C	HORN BUTTON ASSY INSTR PNL PASS L/DOOR AIR BAG ASSY
	09950-50013	Puller C Set	SPIRAL CABLE SUB-ASSY
	(09951-05010)	Hanger 150	SPIRAL CABLE SUB-ASSY INSTR PNL PASS L/DOOR AIR BAG ASSY
	(09952-05010)	Slide Arm	SPIRAL CABLE SUB-ASSY INSTR PNL PASS L/DOOR AIR BAG ASSY
	(09953-05020)	Center Bolt 150	SPIRAL CABLE SUB-ASSY INSTR PNL PASS L/DOOR AIR BAG ASSY
	(09954-05021)	Claw No.2	SPIRAL CABLE SUB-ASSY

Recommended Tools

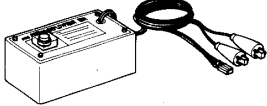
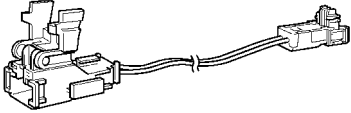
	09042-00010 Torx Socket T30	HORN BUTTON ASSY SPIRAL CABLE SUB-ASSY INSTR PNL PASS L/DOOR AIR BAG ASSY
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Equipment

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
Vinyl bag	Airbag disposal

SEAT BELT
PREPARATION
SST

020V6-01

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

Equipment

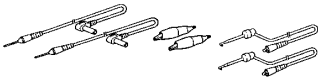
Torque wrench	
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LIGHTING

PREPARATION

020UL-01

Recomended Tools

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

Equipment

Torque wrench	
Voltmeter	

WIPER & WASHER

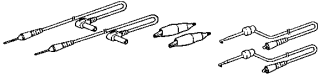
PREPARATION

SST

020UM-01

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

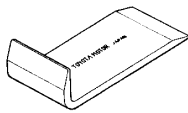
	09082-00040 TOYOTA Electrical Tester	WIPER AND WASHER SYSTEM
	(09083-00150) Test Lead Set	WIPER AND WASHER SYSTEM

AUDIO & VISUAL SYSTEM

PREPARATION

020TI-01

Recomended Tools

	09070-20010 Moulding Remover	REAR SPEAKER ASSY ANTENNA CORD SUB-ASSY NAVIGATION ANTENNA ASSY POWER POINT SOCKET ASSY POWER POINT SOCKET ASSY RR CIGARETTE LIGHTER ASSY
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Equipment

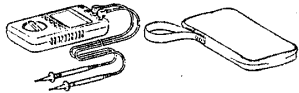
Torque wrench	
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COMMUNICATION SYSTEM

PREPARATION

020UC-01

Recomended Tools

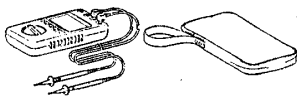
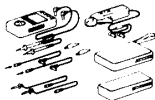
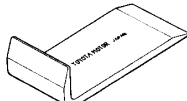
	09082-00040 TOYOTA Electrical Tester	HORN SYSTEM
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WINDSHIELD/WINDOWGLASS/MIRROR

020UB-01

PREPARATION

Recommended Tools

	09082-00040	TOYOTA Electrical Tester	POWER WINDOW CONTROL SYSTEM WINDOW DEFOGGER SYSTEM POWER MIRROR CONTROL SYSTEM
	09082-00050	TOYOTA Electrical Tester Set	POWER WINDOW CONTROL SYSTEM WINDOW DEFOGGER SYSTEM POWER MIRROR CONTROL SYSTEM
	09070-20010	Moulding Remover	OUTER REAR VIEW MIRROR SUB-ASSY LH

Equipment

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

SSM

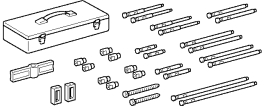
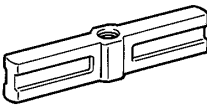
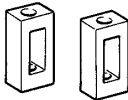
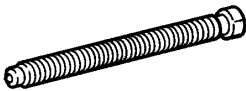
08833-00030	Three cement black or equivalent	WINDSHIELD GLASS BACK WINDOW GLASS
08850-00801	Windshield Glass Adhesive Set or equivalent	WINDSHIELD GLASS BACK WINDOW GLASS

INSTRUMENT PANEL/METER

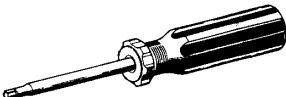
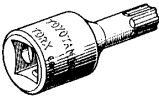
PREPARATION

020U6-01

SST

	09843-18020	Diagnosis Check Wire	
	09950-50013	Puller C Set	INSTRUMENT PANEL SAFETY PAD SUB-ASSY
	(09951-05010)	Hanger 150	INSTRUMENT PANEL SAFETY PAD SUB-ASSY
	(09952-05010)	Slide Arm	INSTRUMENT PANEL SAFETY PAD SUB-ASSY
	(09953-05020)	Center Bolt 150	INSTRUMENT PANEL SAFETY PAD SUB-ASSY
	(09954-05021)	Claw No.2	INSTRUMENT PANEL SAFETY PAD SUB-ASSY

Recommended Tools

	09041-00030	Torx Driver T30	INSTRUMENT PANEL SAFETY PAD SUB-ASSY
	09042-00010	Torx Socket T30	INSTRUMENT PANEL SAFETY PAD SUB-ASSY
	09070-20010	Moulding Remover	INSTRUMENT PANEL SAFETY PAD SUB-ASSY

Equipment

Voltmeter	
Ohmmeter	
Torque wrench	
Adhesive Tape	

SEAT

PREPARATION

020V8-01

Equipment

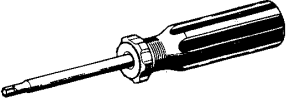
Hog ring pliers	
Hog ring	
Torque wrench	
Tape	To avoid surface damage
Ohmmeter	

SLIDING ROOF/CONVERTIBLE

PREPARATION

020UD-01

Recommended Tools

	09041-00020 Torx Driver T25	SLIDING ROOF (TMMK Made) SLIDING ROOF (TMC Made)
	09070-20010 Moulding Remover	SLIDING ROOF (TMC Made)

Equipment

Torque wrench	
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ENGINE HOOD/DOOR

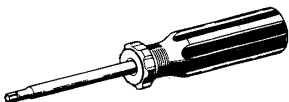
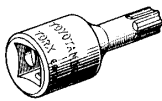
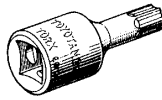
PREPARATION

020UB-01

SST

	09812-00010	Door Hinge Set Bolt Wrench	FRONT DOOR REAR DOOR
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Recommended Tools

	09041-00020	Torx Driver T25	FRONT DOOR REAR DOOR
	09042-00010	Torx Socket T30	FRONT DOOR REAR DOOR
	09042-00020	Torx Socket T40	REAR DOOR
	09070-20010	Moulding Remover	FRONT DOOR REAR DOOR

Equipment

Clip remover	
Tape	To avoid surface damage
Torque wrench	

EXTERIOR/INTERIOR TRIM

020UE-01

PREPARATION

Recommended Tools

	09070-20010 Moulding Remover	FRONT DOOR BELT MOULDING ASSY LH REAR DOOR BELT MOULDING ASSY LH ROOF HEADLINING ASSY ROOF DRIP SIDE FINISH MOULDING CENTER LH
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Equipment

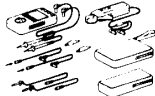
Adhesive tape	To avoid surface damage.
Torque wrench	
Clip remover	
Cleaner	
Heat light	Moulding
Piano wire	Moulding
Tape	To avoid surface damage.
Wooden block or similar object	For tying both piano wire ends

VEHICLE CONTROL SYSTEM

PREPARATION

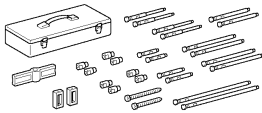
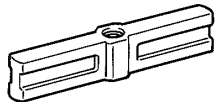
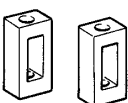
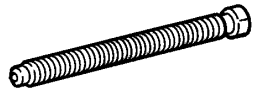
020UH-01

Recomended Tools

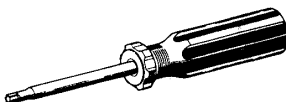
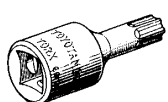
	09082-00040 TOYOTA Electrical Tester	IGNITION OR STARTER SWITCH ASSY
	09082-00050 TOYOTA Electrical Tester Set	IGNITION OR STARTER SWITCH ASSY

CRUISE CONTROL PREPARATION SST

020U7-01

	09950-50013 Puller C Set	CRUISE CONTROL MAIN SWITCH ASSY
	(09951-05010) Hanger 150	CRUISE CONTROL MAIN SWITCH ASSY
	(09952-05010) Slide Arm	CRUISE CONTROL MAIN SWITCH ASSY
	(09953-05020) Center Bolt 150	CRUISE CONTROL MAIN SWITCH ASSY
	(09954-05021) Claw No.2	CRUISE CONTROL MAIN SWITCH ASSY

Recommended Tools

	09041-00030 Torx Driver T30	INSTRUMENT PANEL SAFETY PAD SUB-ASSY
	09042-00010 Torx Socket T30	INSTRUMENT PANEL SAFETY PAD SUB-ASSY

Equipment

Torque wrench	
Adhesive Tape	