

MAINTENANCE
EQUIPMENT

PP0Q1-04

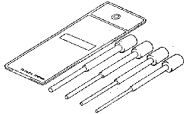
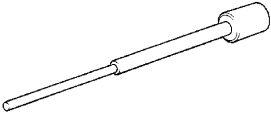
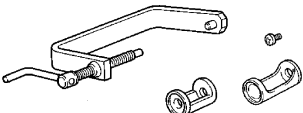
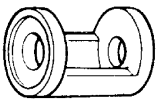
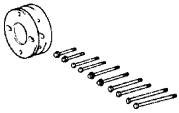
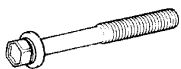
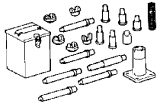
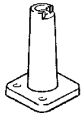
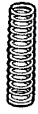
Mirror	Brake hose
Torque wrench	



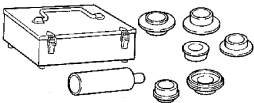
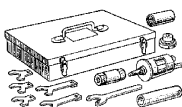
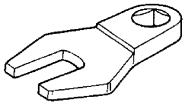
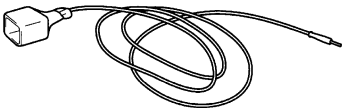
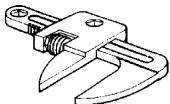
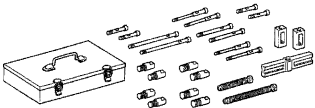
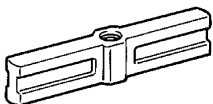
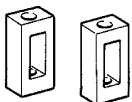
ENGINE MECHANICAL

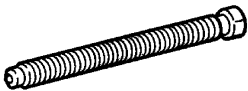
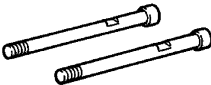
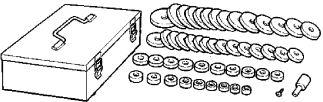
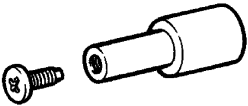
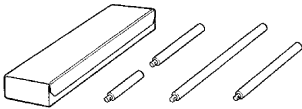
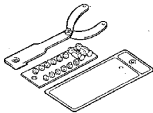
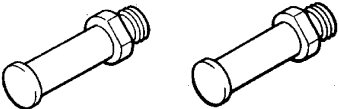
SST (Special Service Tools)

PP23C-01

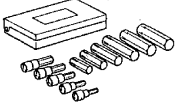
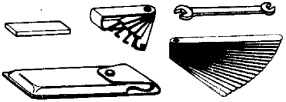
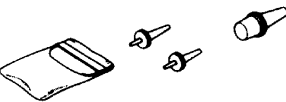
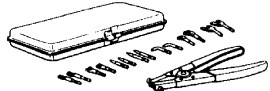
	09201-10000	Valve Guide Bushing Remover & Replacer Set	
	(09201-01050)	Valve Guide Bushing Remover & Replacer 5	
	09202-70020	Valve Spring Compressor	
	(09202-00010)	Attachment	
	09213-54015	Crankshaft Pulley Holding Tool	
	(90119-08216)	Bolt	
	09221-25026	Piston Pin Remover & Replacer	
	(09221-00021)	Body	
	(09221-00030)	Spring	
	(09221-00061)	Bushing "C"	
	(09221-00170)	Guide "J"	
	(09221-00210)	Guide "M"	

PREPARATION - ENGINE MECHANICAL

	09223-15030 Oil Seal & Bearing Replacer	Crankshaft rear oil seal
	09316-60011 Transmission & Transfer Bearing Replacer	
	(09316-00011) Replacer Pipe	Crankshaft pulley Crankshaft front oil seal
	09330-00021 Companion Flange Holding Tool	Crankshaft pulley
	09612-24014 Steering Gear Housing Overhaul Tool Set	
	(09617-24011) Steering Rack Wrench	Fuel pressure pulsation damper
	09843-18020 Diagnosis Check Wire	
	09843-18030 Tacho-pulse Pickup Wire No.2	
	09922-10010 Variable Open Wrench	Camshaft timing gear (VVT-i)
	09950-50012 Puller C Set	
	(09951-05010) Hanger 150	Crankshaft pulley
	(09952-05010) Slide Arm	Crankshaft pulley
	(09953-05010) Center Bolt 100	Crankshaft pulley

	(09953-05020) Center Bolt 150	Crankshaft pulley
	(09954-05030) Claw No.3	Crankshaft pulley
	09950-60010 Replacer Set	
	(09951-00240) Replacer 24	Spark plug tube gasket
	(09951-00450) Replacer 45	Spark plug tube gasket
	(09952-06010) Adapter	Spark plug tube gasket
	09950-70010 Handle Set	
	(09951-07100) Handle 100	Valve guide bushing Spark plug tube gasket Crankshaft rear oil seal
	09960-10010 Variable Pin Wrench Set	
	(09963-00500) Pin 5	Camshaft sub-gear
	(09963-00600) Pin 6	Oil pump pulley
	(09963-01000) Pin 10	Camshaft timing pulley Oil pump pulley Camshaft sub-gear

RECOMMENDED TOOLS

	09040-00010 Hexagon Wrench Set .	
	09090-04010 Engine Sling Device .	For suspension engine
	09200-00010 Engine Adjust Kit .	
	09258-00030 Hose Plug Set .	Plug for vacuum hose, fuel hose etc.
	09904-00010 Expander Set .	

EQUIPMENT

Abrasive compound	Valve
Caliper gauge	
CO/HC meter	
Compression gauge	
Connecting rod aligner	
Cylinder gauge	
Dial indicator	
Dye penetrant	
Engine tune-up tester	
Groove cleaning tool	
Heater	
Magnetic finger	
Micrometer	
Piston ring compressor	
Piston ring expander	
Plastigage	
Precision straight edge	
Press	
Ridge reamer	
Soft brush	
Solvent	
Spring tester	Valve spring
Steel square	Valve spring
Thermometer	
Torque wrench	
Valve seat cutter	
V-block	
Vernier calipers	
Wire brush	

SSM (Special Service Materials)

08833-00070	Adhesive 1324, THREE BOND 1324 or equivalent	Spark plug tube
08826-00080	Seal Packing Black or equivalent (FIPG)	No.1 camshaft bearing cap Cylinder head semi-circular plug Cylinder head cover
08826-00100	Seal Packing 1282B, THREE BOND 1282B or equivalent (FIPG)	Coolant drain union

EMISSION CONTROL
EQUIPMENT

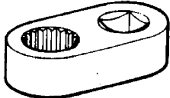
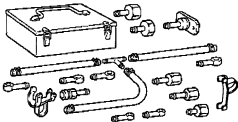
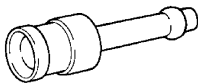
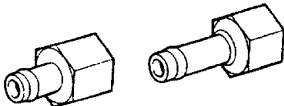
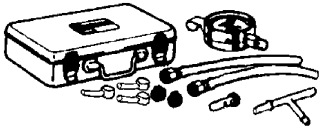
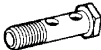
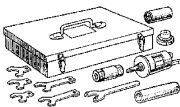
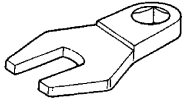
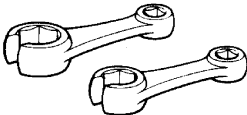
PP109-01

Torque wrench	
Vacuum gauge	

ELECTRONIC FUEL INJECTION

SST (Special Service Tools)

PP23R-01

	09205-76030	Cylinder Head Setting Bolt Tightening Adaptor	Water temperature sensor
	09268-41047	Injection Measuring Tool Set	
	(09268-41110)	Adaptor	
	(09268-41300)	Clamp	
	(09268-52011)	Injection Measuring Attachment	
	09268-45014	EFI Fuel Pressure Gauge	
	(09268-41190)	Adaptor	
	(90405-06167)	I Union	
	09612-24014	Steering Gear Housing Overhaul Tool Set	
	(09617-24011)	Steering Rack Wrench	Fuel pressure pulsation damper
	09631-22020	Power Steering Hose Nut 14 x 17 mm Wrench Set	Fuel line flare nut
	09816-30010	Oil Pressure Switch Socket	Knock sensor

	09842-30070 Wiring "F" EFI Inspection	Injector
---	--	----------

RECOMMENDED TOOLS

	09082-00040 TOYOTA Electrical Tester.	
	09258-00030 Hose Plug Set .	

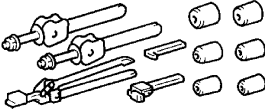
EQUIPMENT

Graduated cylinder	Injector
Hand-held tester	
Heater	Water temperature sensor
Sound scope	Injector
Thermometer	Water temperature sensor
Torque wrench	
Vacuum gauge	

COOLING

SST (Special Service Tools)

PP0TK-04

	09230-01010 Radiator Service Tool Set	
	09231-14010 Punch	

EQUIPMENT

Heater	Thermostat, Water temperature switch
Radiator cap tester	
Thermometer	Thermostat, Water temperature switch
Torque wrench	
Vernier calipers	

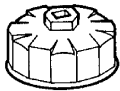
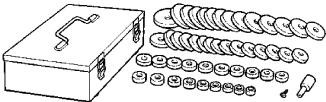
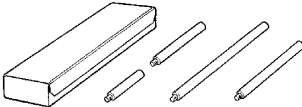
COOLANT

Item		Capacity	Classification
Engine coolant	Europe	7.1 liters (7.5 US qts, 6.2 Imp. qts)	"Toyota Long Life Coolant" or equivalent
	Others	6.6 liters (7.3 US qts, 6.1 Imp. qts)	

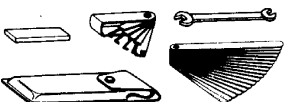
LUBRICATION

SST (Special Service Tools)

PP23E-01

	09032-00100 Oil Pan Seal Cutter	
	09228-07501 Oil Filter Wrench	
	09950-60010 Replacer Set	Oil pump oil seal
	(09951-00300) Replacer 30	Oil pump oil seal
	09950-70010 Handle Set	Oil pump oil seal
	(09951-07100) Handle 100	Oil pump oil seal

RECOMMENDED TOOLS

 09200-00010 Engine Adjust Kit .	
--	--

EQUIPMENT

Oil pressure gauge	
Precision straight edge	
Torque wrench	

LUBRICANT

Item	Capacity	Classification
Engine oil (M/T)		API grade SH, Energy-Conserving II or SJ, Energy-Conserving or ILSAC multigrade engine oil.
Dry fill	4.6 liters (4.9 US qts, 4.0 Imp. qts)	
Drain and refill		
w/ Oil filter change	4.2 liters (4.4 US qts, 3.7 Imp. qts)	
w/o Oil filter change	4.0 liters (4.2 US qts, 3.5 Imp. qts)	
Engine oil (A/T)		
Dry fill	4.5 liters (4.8 US qts, 4.0 Imp. qts)	
Drain and refill		
w/ Oil filter change	4.1 liters (4.3 US qts, 3.6 Imp. qts)	
w/o Oil filter change	3.9 liters (4.1 US qts, 3.4 Imp. qts)	

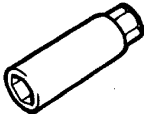
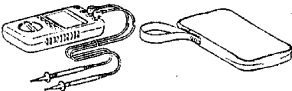
SSM (Special Service Materials)

08826-00080	Seal Packing Black or equivalent (FIPG)	Oil pan
08833-00080	Adhesive 1344 THREE BOND 1344 LOCTITE 242 or equivalent	Oil pressure switch

IGNITION

RECOMMENDED TOOLS

PP106-02

	09045-38162 Spark Plug Wrench .	
	09082-00040 TOYOTA Electrical Tester.	
	09200-00010 Engine Adjust Kit .	

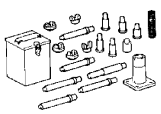
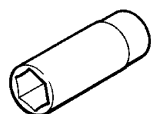
EQUIPMENT

Megger insulation resistance meter	Spark plug
Spark plug cleaner	
Torque wrench	

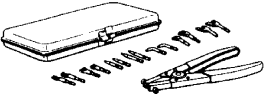
STARTING

SST (Special Service Tools)

PP23G-01

	09221-25026	Piston Pin Remover & Replacer	
	(09221-00071)	Guide "A"	Center bearing
	(09221-00090)	Guide "C"	Center bearing
	09810-38140	Starter Magnet Switch Nut Wrench 14	Terminal nut

RECOMMENDED TOOLS

	09082-00040 TOYOTA Electrical Tester.	
	09904-00010 Expander Set .	

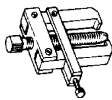
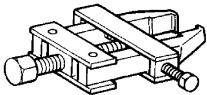
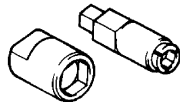
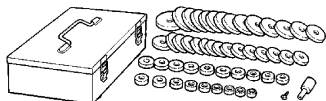
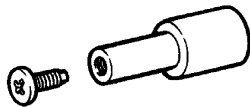
EQUIPMENT

Ohmmeter	
Caliper gauge	Center bearing
Dial indicator	Commutator runout
Micrometer	Planetary shaft
Press	Magnetic switch terminal kit
Pull scale	Brush spring
Sandpaper	Commutator
Torque wrench	
V-block	Commutator
Vernier calipers	Commutator, Brush

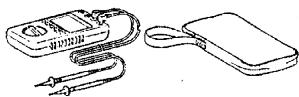
CHARGING

SST (Special Service Tools)

PP23H-01

	09285-76010	Injection Pump Camshaft Bearing Cone Replacer	Rotor rear bearing cover
	09286-46011	Injection Pump Spline Shaft Puller	rectifier end frame
	09820-00021	Alternator Rear Bearing Puller	
	09820-00030	Alternator Rear Bearing Replacer	Rotor rear bearing
	09820-63010	Alternator Pulley Set Nut Wrench Set	
	09950-60010	Replacer Set	
	(09951-00500)	Replacer 50	Rotor front bearing
	(09951-00260)	Replacer 26	Roter front bearing
	(09951-00520)	Replacer 52	Roter front bearing
	(09952-06010)	Adapter	Roter front bearing

RECOMMENDED TOOLS

 09082-00040 TOYOTA Electrical Tester.	
--	--

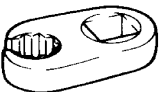
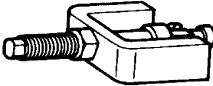
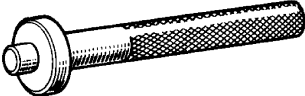
EQUIPMENT

Ammeter (A)	
Battery specific gravity gauge	Except maintenance-free battery
Ohmmeter	
Torque wrench	
Vernier calipers	Rotor (Slip ring), brush

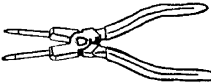
CLUTCH

SST (Special Service Tools)

PP23L-01

	09023-00100 Union Nut Wrench 10 mm	Clutch line
	09301-00110 Clutch Guide Tool	
	09303-35011 Input Shaft Front Bearing Puller	
	09304-30012 Input Shaft Front Bearing Replacer	
	09333-00013 Clutch Diaphragm Spring Aligner	

RECOMMENDED TOOLS

	09031-00030 Pin Punch .	Reservoir tank
	09905-00013 Snap Ring Pliers .	

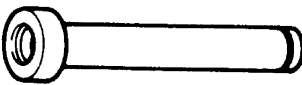
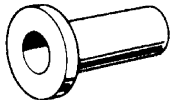
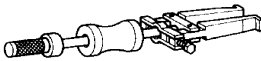
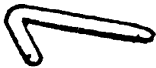
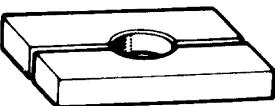
EQUIPMENT

Calipers	
Torque wrench	
Dial indicator with magnetic base	

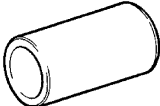
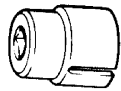
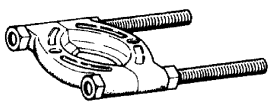
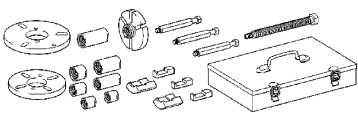
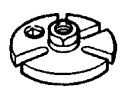
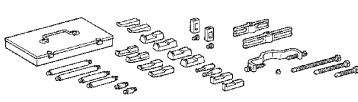
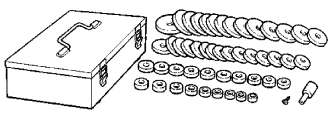
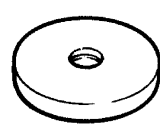
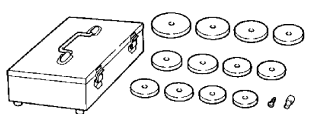
MANUAL TRANSMISSION

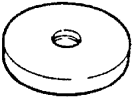
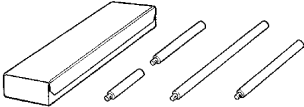
SST (Special Service Tools)

PP23N-01

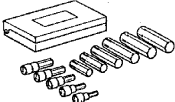
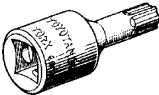
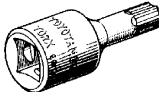
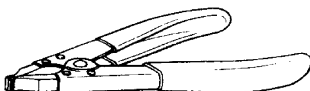
	09309-35010	Transmission Rear Bearing Replacer	Output shaft bearing No. 1 Clutch hub 6th gear
	09309-36010	Transmission Rear Bearing Replacer	Counter gear
	09309-37010	Transmission Bearing Replacer	Clutch hub No. 3
	09308-00010	Oil Seal Puller	Extension housing oil seal
	(09316-00011)	Replacer Pipe	Clutch hub No. 2
	(09316-00021)	Replacer "A"	Output shaft bearing rr.
	09325-20010	Transmission Oil Plug	Extension housing rear oil seal
	09330-50010	Propeller Shaft Center Bearing Replacer	Counter gear front bearing
	09350-20015	TOYOTA Automatic Transmission Tool Set	
	(09350-06120)	No.2 Measure Terminal	6th gear thrust clearance
	09527-20011	Rear Axle Shaft Bearing Remover	Input shaft bearing
	09631-12090	Seal Ring Tool	Clutch hub No. 1

PREPARATION – MANUAL TRANSMISSION

	09632-36010	Steering Vane Pump Bearing Replacer	Clutch hub No. 4
	09817-16011	Back-up Light Switch Tool	Back-up light switch
	09950-00020	Bearing Remover	Clutch hub No. 4
	09950-30011	Puller A Set	
	(09951-03010)	Upper Plate	Clutch hub No. 4
	(09953-03010)	Center Bolt	Clutch hub No. 4
	09950-40011	Puller B Set	Clutch hub No. 4
	(09957-04010)	Attachment	Clutch hub No. 4
	09950-60010	Replacer Set	
	(09951-00230)	Replacer 23	Counter gear front bearing Counter gear
	(09951-00420)	Replacer 42	Front bearing retainer oil seal
	(09951-00560)	Replacer 56	Input shaft bearing
	09950-60020	Replacer Set No.2	

	(09951-00750) Replacer 75	Extension housing dust deflector
	09950-70010 Handle Set	
	(09951-07100) Handle 100	Extension housing dust deflector

RECOMMENDED TOOLS

	09031-00030 Pin Punch .	
	09040-00010 Hexagon Wrench Set .	
	09042-00010 Torx Socket T30 .	
	09042-00020 Torx Socket T40 .	
	09042-00050 Torx Socket T45 .	
	09905-00012 Snap Ring No.1 Expander .	

EQUIPMENT

Dial indicator	
Micrometer	
Torque wrench	
Feeler gauge	
Magnetic finger	

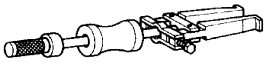
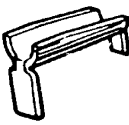
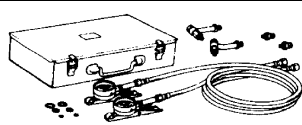
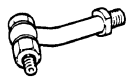
LUBRICANT

Item	Capacity	Classification
Manual transmission oil	1.8 liters (1.9 US qts, 1.6 Imp. qts)	API GL-3 SAE 75W-90

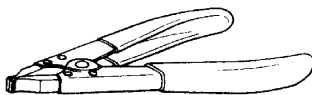
AUTOMATIC TRANSMISSION

SST (Special Service Tools)

PP23V-01

	09308-00010 Oil Seal Puller	Extension housing oil seal
	09325-20010 Transmission Oil Plug	Extension housing oil seal
	09350-30020 TOYOTA Automatic Transmission Tool Set	
	(09351-32020) Stator Stopper	Torque converter and drive plate
	09843-18040 Diagnosis Check Wire No.2	
	09992-00095 Automatic Transmission Oil Pressure Gauge Set	
	(09992-00231) Adaptor C	
	(09992-00271) Gauge Assy	

RECOMMENDED TOOLS

	09082-00040 TOYOTA Electrical Tester.	
	09905-00012 Snap Ring No.1 Expander .	

EQUIPMENT

Torque wrench	
Dial indicator with magnetic base	Drive plate runout
Vernier calipers	Torque converter
Straight edge	Torque converter

LUBRICANT

Item	Capacity	Classification
Automatic transmission fluid		
Dry fill	6.6 liters (7.0 US qts, 5.8 Imp. qts)	TYPE T-IV or equivalent
Drain and refill	2.4 liters (2.5 US qts, 2.1 Imp. qts)	

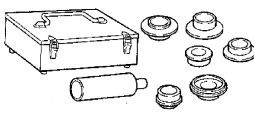
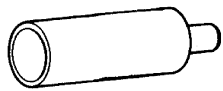
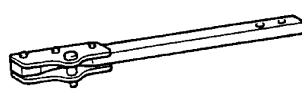
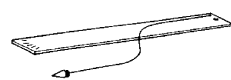
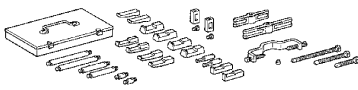
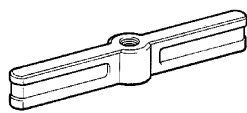
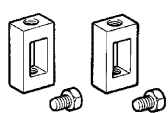
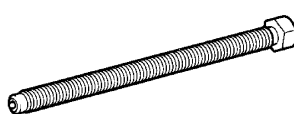
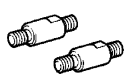
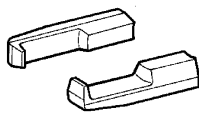
SSM (Special Service Materials)

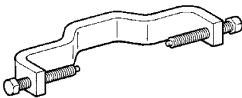
08833-00080	Adhesive 1344 THREE BOND 1344 LOCTITE 242 or equivalent	
-------------	---	--

PROPELLER SHAFT

SST (Special Service Tools)

PP23J-01

	09316-60011	Transmission & Transfer Bearing Replacer	
	(09316-00011)	Replacer Pipe	Dust cover
	09325-20010	Transmission Oil Plug	Oil leakage prevention
	09330-00021	Companion Flange Holding Tool	Universal joint flange
	09370-50010	Drive Line Angle Gauge	Joint angle
	09950-40011	Puller B Set	
	(09951-04020)	Hanger 200	Universal joint flange
	(09952-04010)	Slide Arm	Universal joint flange
	(09953-04030)	Center Bolt 200	Universal joint flange
	(09954-04010)	Arm 25	Universal joint flange
	(09955-04061)	Claw No.6	Universal joint flange
	(09957-04010)	Attachment	Universal joint flange

 (09958-04011) Holder	Universal joint flange
---	------------------------

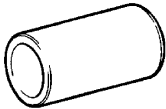
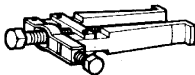
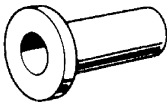
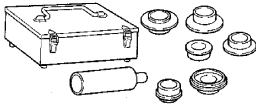
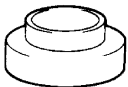
EQUIPMENT

Torque wrench	
Dial indicator	

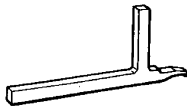
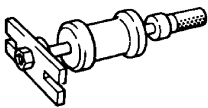
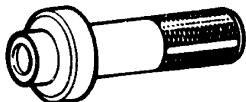
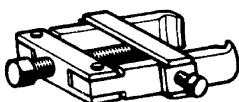
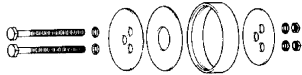
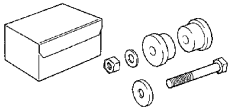
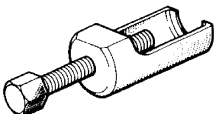
SUSPENSION AND AXLE

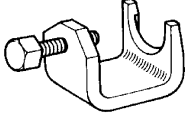
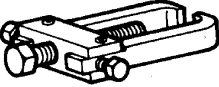
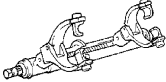
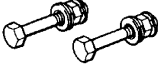
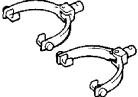
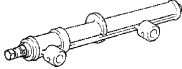
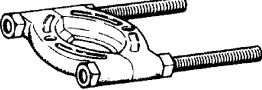
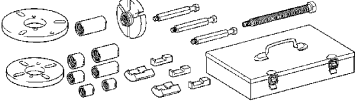
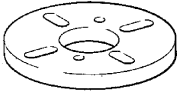
SST (Special Service Tools)

PP242-01

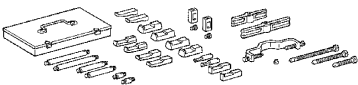
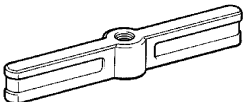
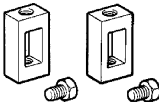
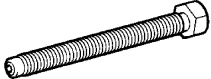
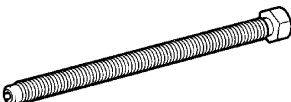
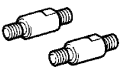
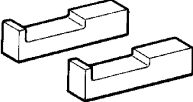
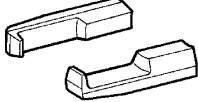
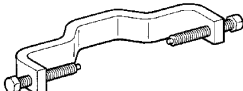
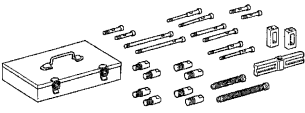
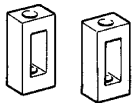
	09223-00010	Cover & Seal Replacer	Rear differential
	09223-15020	Oil Seal & Bearing Replacer	Rear axle
	09308-00010	Oil Seal Puller	Front axle Rear differential
	09308-10010	Oil Seal Puller	Rear differential
	09309-36010	Transmission Rear Bearing Replacer	Rear drive shaft
	09316-12010	Transfer Bearing Replacer	Rear differential
	09316-60011	Transmission & Transfer Bearing Replacer	Front axle
	(09316-00011)	Replacer Pipe	
	(09316-00071)	Replacer "F"	
	09330-00021	Companion Flange Holding Tool	Rear differential
	09502-12010	Differential Bearing Replacer	Rear drive shaft
	09502-24010	Bearing Replacer	Front axle

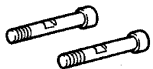
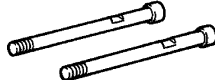
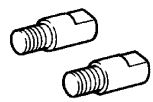
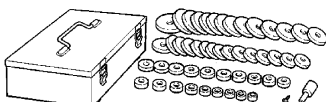
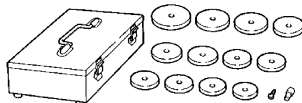
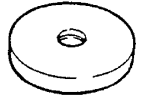
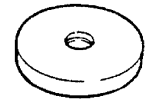
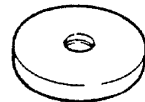
PREPARATION – SUSPENSION AND AXLE

	09504-22011	Differential Side Bearing Replacer	Rear differential
	09506-30012	Differential Drive Pinion Rear Bearing Cone Replacer	Rear differential
	09520-24010	Differential Side Gear Shaft Puller	Rear differential
	09527-17011	Rear Axle Shaft Bearing Remover	Rear axle
	09554-22010	Differential Oil Seal Replacer	Rear differential
	09554-30011	Differential Oil Seal Replacer	Rear differential
	09556-22010	Drive Pinion Front Bearing Remover	Rear differential
	09570-24010	Differential Mounting Cushion Remover & Replacer	Rear differential
	09608-16042	Front Hub Bearing Adjusting Tool	Rear drive shaft
	(09608-02021)	Bolt & Nut	
	(09608-02041)	Retainer	
	09608-32010	Steering Knuckle Oil Seal Replacer	Front axle
	09610-20012	Pitman Arm Puller	Front axle Front suspension Rear axle Rear suspension

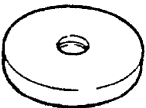
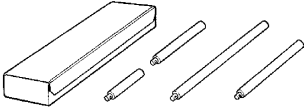
	09628-10011	Ball Joint Puller	Front axle Rear axle
	09628-62011	Ball Joint Puller	Front suspension Rear axle Rear suspension
	09710-04081	Base	Rear differential
	09727-30021	Coil Spring Compressor	Front suspension Rear suspension
	(09727-00010)	Bolt Set	
	(09727-00021)	Arm Set	
	(09727-00031)	Compressor	
	09950-00020	Bearing Remover	Front axle Rear axle Rear differential
	09950-30011	Puller A Set	Rear differential
	(09951-03010)	Upper Plate	
	(09953-03010)	Center Bolt	
	(09954-03010)	Arm	
	(09955-03030)	Lower Plate 130	

PREPARATION - SUSPENSION AND AXLE

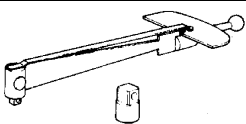
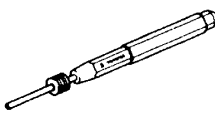
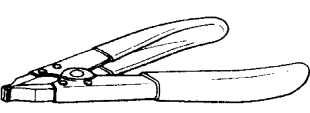
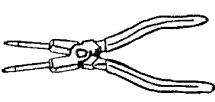
	(09956-03020) Adapter 18	
	09950-40011 Puller B Set	
	(09951-04020) Hanger 200	Front axle Rear axle Rear differential
	(09952-04010) Slide Arm	Front axle Rear axle Rear differential
	(09953-04020) Center Bolt 150	Front axle
	(09953-04030) Center Bolt 200	Front axle Rear axle Rear differential
	(09954-04010) Arm 25	Front axle Rear axle Rear differential
	(09955-04051) Claw No.5	Front axle Rear axle
	(09955-04061) Claw No.6	Rear differential
	(09957-04010) Attachment	Front axle Rear axle Rear differential
	(09958-04011) Holder	Front axle Rear axle Rear differential
	09950-50012 Puller C Set	
	(09952-05010) Slide Arm	Front axle Rear axle Rear differential

	(09954-05020) Claw No.2	Rear axle
	(09954-05030) Claw No.3	Front axle Rear differential
	(09955-05040) Adapter No.4	Front axle Rear axle Rear differential
	09950-60010 Replacer Set	
	(09951-00400) Replacer 40	Rear differential
	(09951-00480) Replacer 48	Rear axle Rear differential
	(09951-00560) Replacer 56	Front axle
	(09951-00600) Replacer 60	Rear differential
	(09951-00650) Replacer 65	Rear axle
	09950-60020 Replacer Set No.2	
	(09951-00710) Replacer 71	Front axle Rear differential
	(09951-00750) Replacer 75	Rear axle
	(09951-00790) Replacer 79	Rear differential

PREPARATION - SUSPENSION AND AXLE

	(09951-01030) Replacer 103	Rear axle
	09950-70010 Handle Set	
	(09951-07100) Handle 100	Rear axle Rear differential
	(09951-07150) Handle 150	Front axle Rear differential
	(09951-07200) Handle 200	Rear differential

RECOMMENDED TOOLS

	09025-00010 Torque Wrench (30 kgf-cm)	
	09031-00030 Pin Punch .	
	09905-00012 Snap Ring No.1 Expander .	
	09905-00013 Snap Ring Pliers .	

EQUIPMENT

Dial indicator with magnetic base	
Micrometer	
Torque wrench	
Vernier caliper	

LUBRICANT

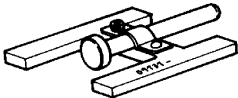
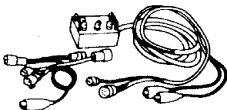
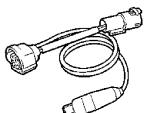
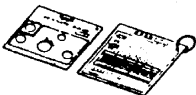
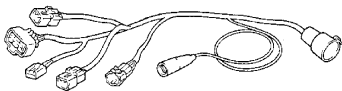
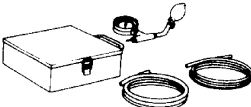
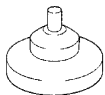
REAR DRIVE SHAFT		
Item	Capacity	Classification
Europe, Taiwan, Australia (M/T), New Zealand (M/T), Hong Kong (M/T), Thai Land (M/T)		
Outboard joint grease Color: Black	120 – 130 g (4.2 – 4.6 oz.)	
Inboard joint grease Color: Yellow ocher	215 – 225 g (7.6 – 8.9 oz.)	
Others		
Outboard joint grease Color: Black	107 – 117 g (3.8 – 4.1 oz.)	
Inboard joint grease Color: Yellow ocher	180 – 190 g (6.3 – 6.7 oz.)	
REAR DIFFERENTIAL		
Item	Capacity	Classification
Differential oil	2 pinion differential: 1.05 liters (1.11 US qts, 0.92 Imp qts) LSD: 1.00 liters (1.06 US qts, 0.88 Imp qts)	Hypoid gear oil API GL-5 Above –18°C (0°F) SAE 90 Below –18°C (0°F) SAE 80W-90 or 80W

SSM (Special Service Materials)

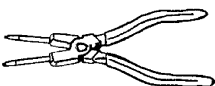
08826-00090	Seal Packing 1281, THREE BOND 1281 or equivalent (FIPG)	
-------------	---	--

BRAKE**SST (Special Service Tools)**

PP23I-01

	09023-00100	Union Nut Wrench 10 mm	
	09737-00010	Brake Booster Push Rod Gauge	
	09843-18020	Diagnosis Check Wire	
	09990-00150	ABS Actuator Checker and Sub-harness	
	09990-00250	ABS Actuator Checker Sub-harness "G"	
	09990-00360	ABS Actuator Checker Sub-harness "L"	
	09990-00410	ABS Actuator Checker Sheet "N"	
	09990-00450	ABS Actuator Checker Sub-harness "P"	
	09992-00242	Turbocharger Pressure Gauge	
	09992-00350	Brake Reservoir Pressure Adapter	

RECOMMENDED TOOLS

	09082-00040 TOYOTA Electrical Tester.	
	09905-00013 Snap Ring Pliers .	

EQUIPMENT

Torque wrench	
Micrometer	Brake disc
Dial indicator	Brake disc
Brake drum gauge	Brake disc

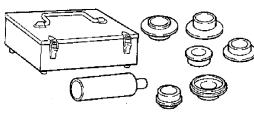
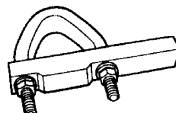
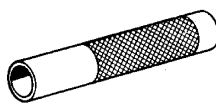
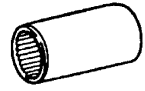
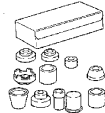
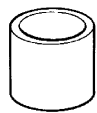
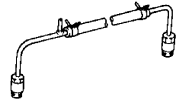
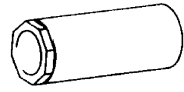
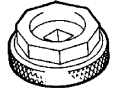
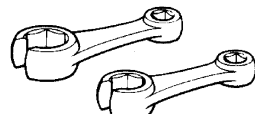
LUBRICANT

Item	Capacity	Classification
Brake fluid	–	SAE J1703 or FMVSS No. 116, DOT 3

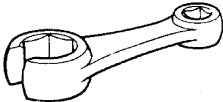
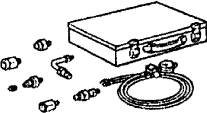
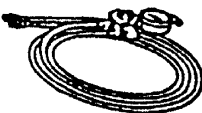
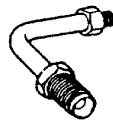
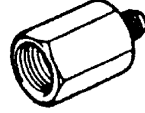
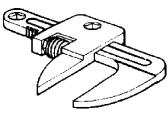
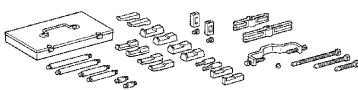
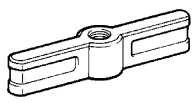
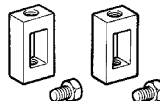
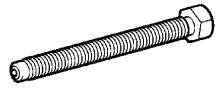
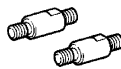
STEERING

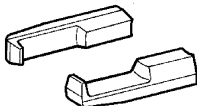
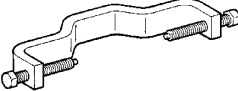
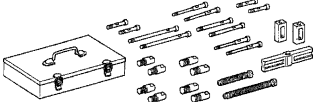
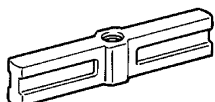
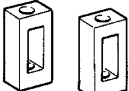
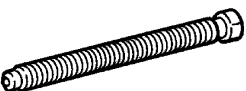
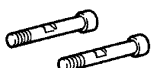
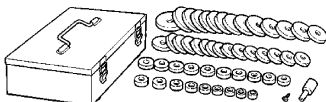
SST (Special Service Tools)

PP23T-01

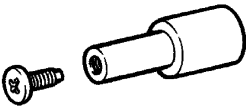
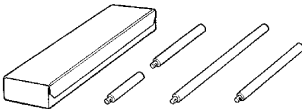
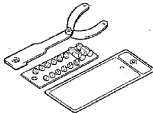
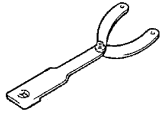
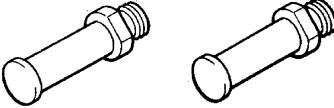
	09316-60011	Transmission & Transfer Bearing Replacer	Tilt steering column
	(09316-00051)	Replacer "D"	
	09612-00012	Rack & Pinion Steering Rack Housing Stand	PS gear
	09612-22011	Tilt Handle Bearing Replacer	Tilt steering column
	09616-00010	Steering Worm Bearing Adjusting Socket	PS gear
	09630-24014	Steering Rack Oil Seal Tool Set	PS gear
	(09620-24051)	Seal Ring Tool	
	09631-12071	Steering Rack Oil Seal Test Tool	PS gear
	09631-20060	Bearing Guide Nut Wrench	PS gear
	09631-20081	Seal Ring Tool	PS gear
	09631-20090	Cylinder End Stopper Nut Wrench	PS gear
	09631-22020	Power Steering Hose Nut 14 x 17 mm Wrench Set	PS gear

PREPARATION - STEERING

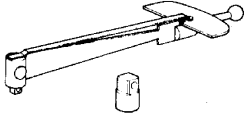
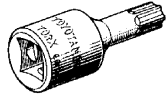
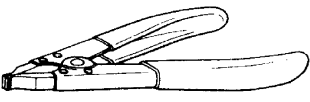
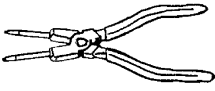
	09631-33010	Steering Rack Cover "I"	PS gear
	09633-00020	Power Steering Hose Nut Wrench	PS gear
	09640-10010	Power Steering Pressure Gauge Set	Power steering fluid
	(09641-01010)	Gauge Assy	
	(09641-01030)	Attachment B	
	(09641-01060)	Attachment E	
	09703-30010	Brake Shoe Return Spring Tool	Tilt steering column
	09922-10010	Variable Open Wrench	PS gear
	09950-40011	Puller B Set	Tilt steering column
	(09951-04010)	Hanger 150	
	(09952-04010)	Slide Arm	
	(09953-04020)	Center Bolt 150	
	(09954-04010)	Arm 25	

	(09955-04061) Claw No.6	
	(09958-04011) Holder	
	09950-50012 Puller C Set	Tilt steering column
	(09951-05010) Hanger 150	
	(09952-05010) Slide Arm	
	(09953-05020) Center Bolt 150	
	(09954-05020) Claw No.2	
	09950-60010 Replacer Set	
	(09951-00180) Replacer 18	PS gear
	(09951-00240) Replacer 24	PS gear
	(09951-00250) Replacer 25	PS gear
	(09951-00280) Replacer 28	PS gear
	(09951-00310) Replacer 31	PS gear

PREPARATION - STEERING

	(09951-00320) Replacer 32	PS vane pump PS gear
	(09951-00340) Replacer 34	PS gear
	(09951-00360) Replacer 36	PS gear
	(09951-00430) Replacer 43	PS gear
	(09952-06010) Adapter	PS gear
	09950-70010 Handle Set	
	(09951-07100) Handle 100	PS vane pump PS gear
	(09951-07150) Handle 150	PS gear
	(09951-07200) Handle 200	PS gear
	(09951-07360) Handle 360	PS gear
	09960-10010 Variable Pin Wrench Set	PS vane pump
	(09962-01000) Variable Pin Wrench Arm Assy	
	(09963-01000) Pin 10	

RECOMMENDED TOOLS

	09025-00010 Torque Wrench (30 kgf-cm)	PS vane pump PS gear
	09042-00010 Torx Socket T30 .	Tilt steering column
	09905-00012 Snap Ring No.1 Expander .	
	09905-00013 Snap Ring Pliers .	

EQUIPMENT

Belt tension gauge	Drive belt
Caliper gauge	PS vane pump
Vernier calipers	PS vane pump
Dial indicator	PS gear
Feeler gauge	PS vane pump
Micrometer	PS vane pump
Torque wrench	

LUBRICANT

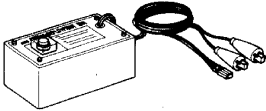
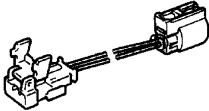
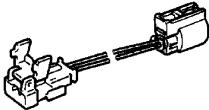
Item	Capacity	Classification
Power steering fluid (Total)	0.9 liters (1.0 US qts, 0.8 Imp.qts)	ATF DEXRON® II or III

SSM (Special Service Materials)

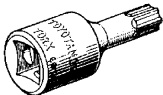
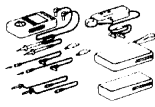
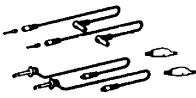
08833-00080	Adhesive 1344 THREE BOND 1344 LOCTITE 242 or equivalent	PS gear
-------------	---	---------

SUPPLEMENTAL RESTRAINT SYSTEM
SST (Special Service Tools)

PP6MQ-01

	09082-00700	SRS Airbag Deployment Tool	
	09082-00750	Airbag Deployment Wire Sub-harness No.3	
	09082-00760	Airbag Deployment Wire Sub-harness No.4	
	09843-18020	Diagnosis Check Wire	

RECOMMENDED TOOLS

	09042-00020 Torx Socket T40 .	Airbag sensor assembly
	09082-00050 TOYOTA Electrical Tester Set.	
	09082-00040 TOYOTA Electrical Tester.	
	(09083-00150) Test Lead Set	Seat belt pretensioner connector

EQUIPMENT

Bolt Length: 35 mm (1.38 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
Torque wrench	
Vinyl bag	Airbag disposal

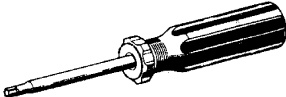
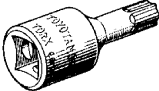
BODY ELECTRICAL

SST (Special Service Tools)

PP000-11

	09843-18020 Diagnosis Check Wire	
---	-------------------------------------	--

RECOMMENDED TOOLS

	09041-00030 Torx Driver T30 .	For removing and installing steering wheel pad
	09042-00010 Torx Socket T30 .	For removing and installing steering wheel pad
	09082-00040 TOYOTA Electrical Tester.	

EQUIPMENT

Voltmeter	
Ammeter	
Ohmmeter	
Test lead	
Thermometer	Engine oil level warning switch, Seat heater
Syphon	Brake fluid level warning switch
Oil bath	Engine oil level warning switch
Dry cell battery	Fuel sender gauge
Heat light	Seat heater
Hexagon wrench (6 mm)	Power seat
Torque wrench	
Clip remover	For removing cowl louver
Masking tape	Rear window defogger wire
Tin foil	Rear window defogger wire