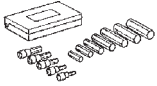
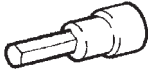
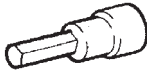


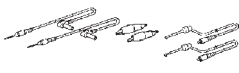


1GR-FE ENGINE CONTROL SYSTEM

RECOMMENDED TOOLS

	09040-00011	Hexagon Wrench Set	
	(09043-20080)	Socket Hexagon Wrench 8	
	(09043-20100)	Socket Hexagon Wrench 10	
	09043-50100	Bi-hexagon Wrench 10 mm	
	09082-00040	TOYOTA Electrical Tester	
	(09083-00150)	Test Lead Set	

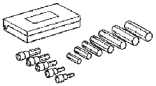
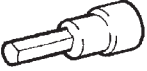
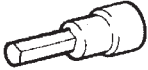


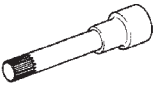
EQUIPMENT

Bar	
Ohmmeter	
Torque wrench	
Vernier caliper	
Voltmeter	
Dial indicator	
Wooden block	
Adhesive 1344	
Seal Packing 1282B	
Seal Packing Black	

PP

1GR-FE ENGINE MECHANICAL

RECOMMENDED TOOLS

	09040-00011	Hexagon Wrench Set	
	(09043-20080)	Socket Hexagon Wrench 8	
	(09043-20100)	Socket Hexagon Wrench 10	
	(09043-20120)	Socket Hexagon Wrench 12	
	(09043-30140)	Straight Hexagon Wrench 14	
	09043-50100	Bi-hexagon Wrench 10 mm	

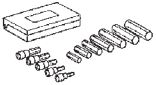



EQUIPMENT

Abrasive compound	
Brush	
Caliper gauge	
Carbide cutter	
V-block	
Pin hole grinder	
Piston ring compressor	
Piston ring expander	
CO/HC meter	
Compression gauge	
Connecting rod aligner	
Cylinder gauge	
Dial indicator	
Dye penetrant	
Pin punch	
Spring scale	
Feeler gauge	
Micrometer	
Precision straight edge	
Press	
Reamer	
Ridge reamer	
Soft brush	
Solvent	
Radiator cap tester	
Steel square	
Grinder	
Torque wrench	
"Torx" socket wrench	
Plastic hammer	
Valve guide bushing brush	
Vernier caliper	
Wire brush	
Dial indicator with magnetic base	
Deep socket wrench	
Magnetic finger	
Scraper	
Wooden block	
Chain block	
Spring tester	
Plastigage	
Heater	
Timing light	
Bar	
Pin hole grinder	
Seal Packing Black	
Seal Packing 1282B	
Adhesive 1324	

PP

1GR-FE FUEL

RECOMMENDED TOOLS



	09040-00011	Hexagon Wrench Set	
	(09043-20080)	Socket Hexagon Wrench 8	
	09082-00040	TOYOTA Electrical Tester	
	(09083-00150)	Test Lead Set	

EQUIPMENT

Stopwatch	
Measuring flask	
Radiator cap tester	
Torque wrench	
Clip	

1GR-FE EMISSION CONTROL

RECOMMENDED TOOLS

	<p>09082-00040</p>	<p>TOYOTA Electrical Tester</p>	
	<p>(09083-00150)</p>	<p>Test Lead Set</p>	

PP

EQUIPMENT



Ohmmeter	
Torque wrench	
Hand-held vacuum pump	
Adhesive 1344	



1GR-FE INTAKE

RECOMMENDED TOOLS

PP

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

EQUIPMENT

Service Wire Harness	
Ohmmeter	
Hand-held Vacuum Pump	
3-way Connector	
Vacuum Gauge	

1GR-FE EXHAUST

EQUIPMENT

Torque wrench	
Vernier calipers	
Wooden block	
plastic-faced Hammer	

1GR-FE COOLING

EQUIPMENT

Torque wrench	
Radiator cap tester	
Thermometer	
Heater	
Vernier calipers	

PP

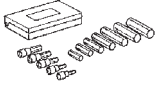
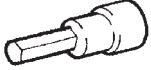
COOLANT

Item		Capacity	Classification
Engine coolant	Manual transmission	9.4 liters (9.9 US qts, 8.3 Imp. qts)	"TOYOTA SUPER LONG LIFE Antifreeze Coolant" or equivalent
	Automatic transmission	9.8 liters (10.4 US qts, 8.6 Imp. qts)	



1GR-FE LUBRICATION

RECOMMENDED TOOLS

	<p>09040-00011</p>	<p>Hexagon Wrench Set</p>	
	<p>(09043-20080)</p>	<p>Socket Hexagon Wrench 8</p>	

EQUIPMENT

Feeler gauge	
Precision straight edge	
Torque wrench	
Vernier caliper	
Dial indicator with magnetic base	
Wooden block	
Seal Packing Black	
Seal Packing 1282B	
Adhesive 1344	

PP





LUBRICANT

Item	Capacity	Classification
Oil grade	-	ILSAC multigrade engine oil, SAE 5W-30
with Oil filter change	5.2 liter (5.5 US qts, 4.6 Imp. qts)	-
without Oil filter change	4.9 liter (5.2 US qts, 4.3 Imp. qts)	-
Dry fill	6.0 liter (6.3 US qts, 5.3 Imp. qts)	-

1GR-FE IGNITION

RECOMMENDED TOOLS

PP



	<p>09082-00040</p>	<p>TOYOTA Electrical Tester</p>	
	<p>(09083-00150)</p>	<p>Test Lead Set</p>	
	<p>09200-00010</p>	<p>Engine Adjust Kit</p>	
	<p>(09857-00031)</p>	<p>Spark Plug Gap Gauge</p>	

EQUIPMENT

Ohmmeter	
Torque wrench	
Spark plug cleaner	

1GR-FE STARTING

RECOMMENDED TOOLS

	<p>09082-00040</p>	<p>TOYOTA Electrical Tester</p>	
	<p>(09083-00150)</p>	<p>Test Lead Set</p>	



EQUIPMENT

Service wire harness	
V-block	
Ammeter	
Dial indicator with magnetic base	
Ohmmeter	
Torque wrench	
Vernier calipers	
Magnetic finger	

PP

1GR-FE CHARGING

RECOMMENDED TOOLS

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












PP

EQUIPMENT






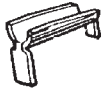
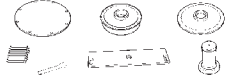
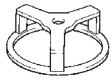


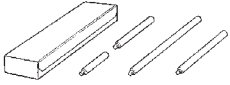

Service wire harness	
Ammeter	
Ohmmeter	
Torque wrench	
Vernier calipers	

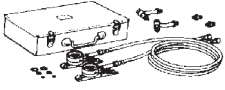


A750E AUTOMATIC TRANSMISSION

SST

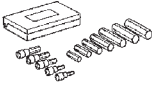
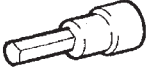
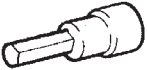

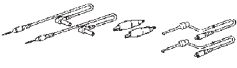
	09023-12701	Union Nut Wrench 17mm	
	09223-15020	Oil Seal & Bearing Replacer	
	09308-00010	Oil Seal Puller	
	09320-89010	Transfer Clutch Spring Compressor	
	09325-40010	Transmission Oil Plug	
	09350-30020	TOYOTA Automatic Transmission Tool Set	
	(09350-07020)	Oil Pump Puller	
	(09350-07040)	No.2 Piston Spring Compressor	
	(09350-07050)	No.3 Piston Spring Compressor	
	(09350-07060)	No.1 Snap Ring Expander	
	(09350-07070)	No.2 Snap Ring Expander	

PP

	(09350-07080)	Brake Reaction Sleeve Puller	
	(09350-07090)	Brake No.1 Piston Puller	
	(09350-07110)	Oil Seal Replacer	
	(09351-32140)	Oil Seal Replacer	
	09350-32014	TOYOTA Automatic Transmission Tool Set	
	(09351-32020)	Stator Stopper	
	09351-40010	Tool Set, TOYOTA Automatic Transmission	
	09387-00070	First & Reverse Brake Wrench	
	09710-30050	Suspension Arm Bushing Replacer	
	09843-18040	Diagnosis Check Wire No.2	
	09950-70010	Handle Set	
	(09951-07100)	Handle 100	

	<p>09992-00095</p>	<p>Automatic Transmission Oil Pressure Gauge Set</p>	
	<p>(09992-00231)</p>	<p>Adaptor C</p>	
	<p>(09992-00271)</p>	<p>Gauge Assy</p>	

RECOMMENDED TOOLS

	<p>09040-00011</p>	<p>Hexagon Wrench Set</p>	
	<p>(09043-20060)</p>	<p>Socket Hexagon Wrench 6</p>	
	<p>(09043-20100)</p>	<p>Socket Hexagon Wrench 10</p>	
	<p>09082-00040</p>	<p>TOYOTA Electrical Tester</p>	
	<p>(09083-00150)</p>	<p>Test Lead Set</p>	

PP

EQUIPMENT

Feeler gauge	
Cylinder gauge	
Vernier calipers	
Dial indicator	
Micrometer	
Straight edge	
Torque wrench	
Angle gauge	
V-block	
Dial indicator or dial indicator with magnetic base	


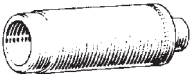









PP

LUBRICANT





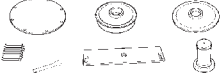
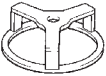

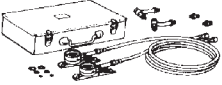


Item	Capacity	Classification
Automatic transmission fluid: (Dry fill)	10.4 liter (11 US qts, 9.2 Imp. qts)	ATF WS
Automatic transmission fluid: (Drain and refill)	3.0 liter (3.2 US qts, 2.6 Imp. qts)	ATF WS

A750F AUTOMATIC TRANSMISSION

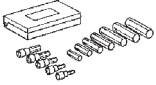
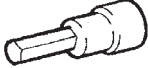
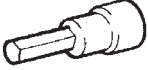

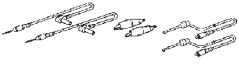
SST

	09023-12701	Union Nut Wrench 17mm	
	09226-10010	Crankshaft Front & Rear Bearing Replacer	
	09320-89010	Transfer Clutch Spring Compressor	
	09350-30020	TOYOTA Automatic Transmission Tool Set	
	(09350-07020)	Oil Pump Puller	
	(09350-07040)	No.2 Piston Spring Compressor	
	(09350-07050)	No.3 Piston Spring Compressor	
	(09350-07060)	No.1 Snap Ring Expander	
	(09350-07070)	No.2 Snap Ring Expander	
	(09350-07080)	Brake Reaction Sleeve Puller	
	(09350-07090)	Brake No.1 Piston Puller	

PP

	(09350-07110)	Oil Seal Replacer	
	(09351-32140)	Oil Seal Replacer	
	09350-32014	TOYOTA Automatic Transmission Tool Set	
	(09351-32020)	Stator Stopper	
	09351-40010	Tool Set, TOYOTA Automatic Transmission	
	09387-00070	First & Reverse Brake Wrench	
	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

	09040-00011	Hexagon Wrench Set	
	(09043-20060)	Socket Hexagon Wrench 6	
	(09043-20100)	Socket Hexagon Wrench 10	
	09082-00040	TOYOTA Electrical Tester	
	(09083-00150)	Test Lead Set	

EQUIPMENT

Feeler gauge	
Cylinder gauge	
Vernier calipers	
Dial indicator	
Micrometer	
Straight edge	
Torque wrench	
Angle gauge	
V-block	
Dial indicator or dial indicator with magnetic base	

PP


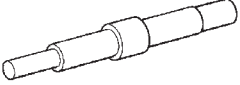

LUBRICANT

Item	Capacity	Classification
Automatic transmission fluid: (Dry fill)	10.4 liter (11 US qts, 9.2 Imp. qts)	ATF WS
Automatic transmission fluid: (Drain and refill)	3.0 liter (3.2 US qts, 2.6 Imp. qts)	ATF WS



CLUTCH

SST

PP

	<p>09023-00101</p>	<p>Union Nut Wrench 10 mm</p>	
	<p>09301-00220</p>	<p>Clutch Guide Tool</p>	
	<p>09333-00013</p>	<p>Universal Joint Bearing Remover & Replacer</p>	

RECOMMENDED TOOLS

	<p>09082-00040</p>	<p>TOYOTA Electrical Tester</p>	
	<p>(09083-00150)</p>	<p>Test Lead Set</p>	

EQUIPMENT

Vernier calipers	
Dial indicator with magnetic base	
Torque wrench	



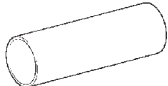

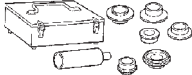

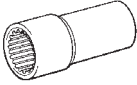
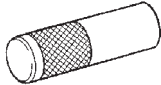


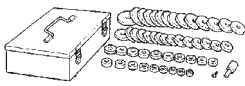


LUBRICANT













Item	Capacity	Classification
Brake fluid	-	SAE J1703 or FMVSS NO. 116 DOT 3

RA61F MANUAL TRANSMISSION

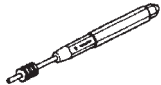
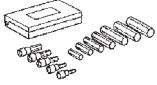
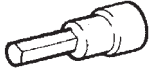

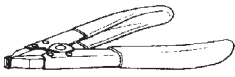
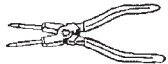
SST

	09023-00101	Union Nut Wrench 10 mm	
	09308-00010	Oil Seal Puller	
	09308-14010	Replacer Pipe A	
	09309-37010	Transmission Bearing Replacer	
	09316-60011	Transmission & Transfer Bearing Replacer	
	(09316-00011)	Replacer Pipe	
	09556-16030	Differential Drive Pinion Holding Tool 28	
	09608-06041	Front Hub Inner Bearing Cone Replacer	
	09817-16011	Back-up Light Switch Tool	
	09950-00020	Bearing Remover	
	09950-60010	Replacer Set	

PP

	(09951-00300)	Replacer 30	
	(09951-00320)	Replacer 32	
	(09951-00470)	Replacer 47	
	(09951-00510)	Replacer 51	
	(09951-00540)	Replacer 54	
	(09951-00650)	Replacer 65	
	09950-60020	Replacer Set No.2	
	(09951-00790)	Replacer 79	
	09950-70010	Handle Set	
	(09951-07100)	Handle 100	
	(09951-07200)	Handle 200	
	(09951-07360)	Handle 360	

RECOMMENDED TOOLS

	09031-00040	Pin Punch .	
	09040-00011	Hexagon Wrench Set	
	(09043-20100)	Socket Hexagon Wrench 10	
	(09043-30240)	Straight Hexagon Wrench 24	
	09905-00012	Snap Ring No.1 Expander	
	09905-00013	Snap Ring Pliers	

EQUIPMENT

Cylinder gauge	
Dial indicator	
Feller gauge	
Micrometer	
Torque wrench	
Vernier calipers	
Press	
V-block	




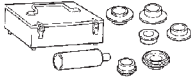





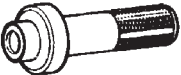




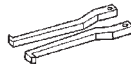
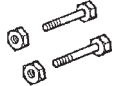


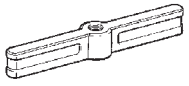
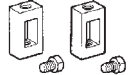


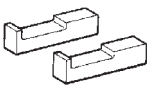

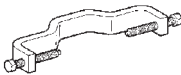
LUBRICANT

Item	Capacity	Classification
Manual transmission oil	1.8 liters (1.9 US qts, 1.6 Imp. qts)	API GL-4 or GL-5 SAE 75W-90

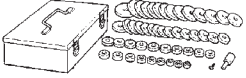






VF2A TRANSFER

SST

	09223-15020	Oil Seal & Bearing Replacer	
	09223-46011	Crankshaft Front Oil Seal Replacer	
	09308-00010	Oil Seal Puller	
	09316-60011	Transmission & Transfer Bearing Replacer	
	(09316-00011)	Replacer Pipe	
	(09316-00031)	Replacer B	
	(09316-00071)	Replacer F	
	09330-00021	Companion Flange Holding Tool	
	09515-30010	Rear Wheel Bearing Replacer	
	09554-30011	Differential Oil Seal Replacer	
	09555-55010	Differential Drive Pinion Bearing Replacer	

	<p>09612-65014</p>	<p>Steering Worm Bearing Puller</p>	
	<p>(09612-01030)</p>	<p>Claw C</p>	
	<p>(09612-01050)</p>	<p>Hanger Pin with Nut</p>	
	<p>09631-32020</p>	<p>Seal Ring Tool</p>	
	<p>09950-40011</p>	<p>Puller B Set</p>	
	<p>(09951-04020)</p>	<p>Hanger 200</p>	
	<p>(09952-04010)</p>	<p>Slide Arm</p>	
	<p>(09953-04030)</p>	<p>Center Bolt 200</p>	
	<p>(09954-04010)</p>	<p>Arm 25</p>	
	<p>(09955-04051)</p>	<p>Claw No.5</p>	
	<p>(09957-04010)</p>	<p>Attachment</p>	
	<p>(09958-04011)</p>	<p>Holder</p>	

PP

	<p>09950-60010</p>	<p>Replacer Set</p>	
	<p>(09951-00320)</p>	<p>Replacer 32</p>	
	<p>(09951-00570)</p>	<p>Replacer 57</p>	
	<p>(09951-00590)</p>	<p>Replacer 59</p>	
	<p>09950-70010</p>	<p>Handle Set</p>	
	<p>(09951-00710)</p>	<p>Replacer 71</p>	
	<p>(09951-07100)</p>	<p>Handle 100</p>	

EQUIPMENT

Dial indicator with magnetic base	
Micrometer	
Plastic-faced hammer	
Torque wrench	
Vernier caliper	



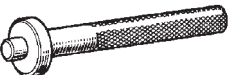

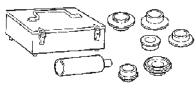






LUBRICANT

Item	Capacity	Classification
Transfer oil	1.0 liters (1.1 US qts, 0.9 Imp. qts)	API GL-3 SAE 75W-90





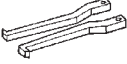
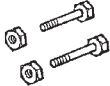


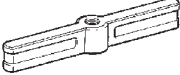
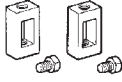


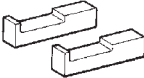

VF4B TRANSFER

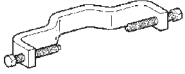
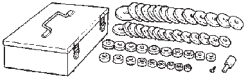



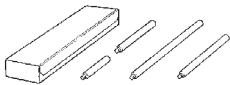

SST

	09223-15020	Oil Seal & Bearing Replacer	
	09223-46011	Crankshaft Front Oil Seal Replacer	
	09304-12012	Input Shaft Front Bearing Replacer	
	09308-00010	Oil Seal Puller	
	09316-60011	Transmission & Transfer Bearing Replacer	
	(09316-00011)	Replacer Pipe	
	(09316-00031)	Replacer B	
	(09316-00071)	Replacer F	
	09330-00021	Companion Flange Holding Tool	
	09515-30010	Rear Wheel Bearing Replacer	
	09554-30011	Differential Oil Seal Replacer	

PP

PP

	<p>09555-55010</p>	<p>Differential Drive Pinion Bearing Replacer</p>	
	<p>09612-65014</p>	<p>Steering Worm Bearing Puller</p>	
	<p>(09612-01030)</p>	<p>Claw C</p>	
	<p>(09612-01050)</p>	<p>Hanger Pin with Nut</p>	
	<p>09631-32020</p>	<p>Seal Ring Tool</p>	
	<p>09950-40011</p>	<p>Puller B Set</p>	
	<p>(09951-04020)</p>	<p>Hanger 200</p>	
	<p>(09952-04010)</p>	<p>Slide Arm</p>	
	<p>(09953-04030)</p>	<p>Center Bolt 200</p>	
	<p>(09954-04010)</p>	<p>Arm 25</p>	
	<p>(09955-04051)</p>	<p>Claw No.5</p>	
	<p>(09957-04010)</p>	<p>Attachment</p>	

	(09958-04011)	Holder	
	09950-60010	Replacer Set	
	(09951-00320)	Replacer 32	
	(09951-00570)	Replacer 57	
	(09951-00590)	Replacer 59	
	09950-70010	Handle Set	
	(09951-07100)	Handle 100	

PP

EQUIPMENT

Dial indicator with magnetic base	
Micrometer	
Plastic-faced hammer	
Torque wrench	
Vernier caliper	




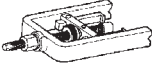
LUBRICANT

Item	Capacity	Classification
Transfer oil	1.4 liters (1.5 US qts, 1.3 Imp. qts)	API GL-5 SAE 75W-90

PROPELLER SHAFT

SST

PP

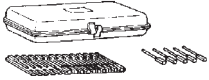

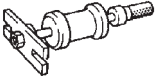
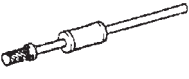



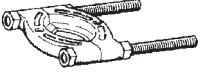
	09325-40010	Transmission Oil Plug	
	09332-25010	Propeller Shaft Center Bearing Replacer	

EQUIPMENT

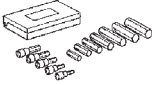
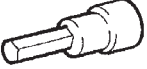

Dial Indicator with magnetic base	
Torque wrench	

DRIVE SHAFT

SST

	09240-00020	Wire Gauge Set	
	09520-01010	Drive Shaft Remover Attachment	
	09520-24010	Differential Side Gear Shaft Puller	
	(09520-32040)	Shocker Set	
	09521-24010	Rear Axle Shaft Puller	
	09527-10011	Rear Axle Shaft Bearing Remover	
	09628-62011	Boll Joint Puller	
	09950-00020	Bearing Remover	

RECOMMENDED TOOLS

	09040-00011	Hexagon Wrench Set	
	(09043-20050)	Socket Hexagon Wrench 5	
	09905-00012	Snap Ring No.1 Expander	

PP

EQUIPMENT

Torque wrench	
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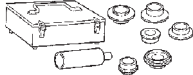






LUBRICANT

Item	Capacity
Front drive shaft outboard joint grease	260 to 270 g (9.2 to 9.5 oz.)
Front drive shaft inboard joint grease	231 to 241 g (8.1 to 8.5 oz.)

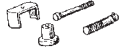


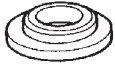


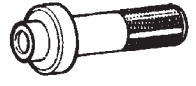

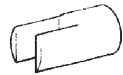
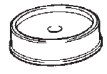




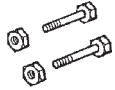
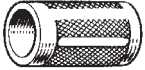
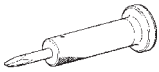
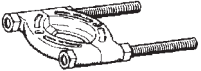








DIFFERENTIAL

SST

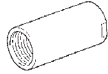

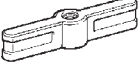
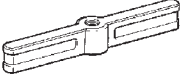
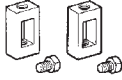
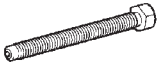



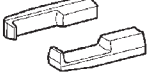

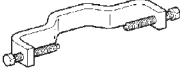
	09223-00010	Cover & Seal Replacer	
	09223-15020	Oil Seal & Bearing Replacer	
	09308-00010	Oil Seal Puller	
	09308-10010	Oil Seal Puller	
	09316-60011	Transmission & Transfer Bearing Replacer	
	(09316-00011)	Replacer Pipe	
	(09316-00021)	Replacer A	
	(09316-00041)	Replacer C	
	09330-00021	Companion Flange Holding Tool	
	(09330-00030)	Pin	
	09350-20015	TOYOTA Automatic Transmission Tool Set	

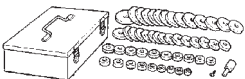






PP

	(09369-20040)	Piston Spring Compressor Set	
	09502-12010	Differential Bearing Replacer	
	09504-00011	Differential Side Bearing Adjusting Nut Wrench	
	09506-30012	Differential Drive Pinion Rear Bearing Cone Replacer	
	09550-00032	Replacer	
	09554-22010	Differential Oil Seal Replacer	
	09554-30011	Differential Oil Seal Replacer	
	09556-22010	Drive Pinion Front Bearing Remover	
	09564-32011	Differential Preload Adaptor	
	09608-32010	Steering Knuckle Oil Seal Replacer	
	09612-65014	Steering Worm Bearing Puller	
	(09612-01020)	Claw B	


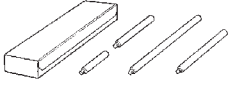







	(09612-01050)	Hanger Pin with Nut	
	09636-20010	Upper Ball Joint Dust Cover Replacer	
	09930-00010	Drive Shaft Nut Chisel	
	09950-00020	Bearing Remover	
	(09951-00680)	Replacer 68	
	(09951-00890)	Replacer 89	
	09950-30012	Puller A Set	
	(09951-03010)	Upper Plate	
	(09953-03010)	Center Bolt	
	(09954-03010)	Arm	
	(09955-03030)	Lower Plate 130	
	(09956-03020)	Adapter 18	

PP


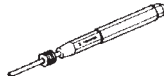
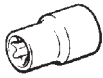

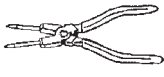
	(09956-03030)	Adaptor 20	
	09950-40011	Puller B Set	
	(09951-04010)	Hanger 150	
	(09951-04020)	Hanger 200	
	(09952-04010)	Slide Arm	
	(09953-04020)	Center Bolt 150	
	(09953-04030)	Center Bolt 200	
	(09954-04010)	Arm 25	
	(09955-04011)	Claw No.1	
	(09955-04061)	Claw No.6	
	(09957-04010)	Attachment	
	(09958-04011)	Holder	

	09950-60010	Replacer Set	
	(09951-00360)	Replacer 36	
	(09951-00380)	Replacer 38	
	(09951-00430)	Replacer 43	
	(09951-00470)	Replacer 47	
	(09951-00480)	Replacer 48	
	(09951-00510)	Replacer 51	
	(09951-00520)	Replacer 52	
	(09951-00550)	Replacer 55	
	(09951-00610)	Replacer 61	
	09950-60020	Replacer Set No.2	
	(09951-00680)	Replacer 68	

PP

	(09951-00810)	Replacer 81	
	09950-70010	Handle Set	
	(09951-00560)	Replacer 56	
	(09951-00570)	Replacer 57	
	(09951-07100)	Handle 100	
	(09951-07150)	Handle 150	
	09960-10010	Variable Pin Wrench Set	
	(09962-01000)	Variable Pin Wrench Arm Assembly	
	(09963-00700)	Pin 7	

RECOMMENDED TOOLS

	09011-12301	Socket Wrench 30 mm	
	09031-00030	Pin Punch	
	09044-00010	Torx Socket E14	
	09905-00012	Snap Ring No.1 Expander	
	09905-00013	Snap Ring Pliers	

PP

EQUIPMENT

Brass bar	
Chisel	
Dial indicator	
Feeler gauge	
Hammer	
Micrometer	
Needle nose pliers	
Plastic hammer	
Press	
Prussian blue	
Screwdriver	
Tape	
Torque wrench	
Vernier calipers	

PP

LUBRICANT

Front differential

Item	Capacity	Oil grade	Classification
w/ A.D.D.	1.45 to 1.55 liters (1.53 to 1.63 US qts, 1.27 to 1.36 Imp. qts.)	Hypoid gear oil APL GL-4 and GL-5	Above-18°C (0°F): SAE 90 Below-18°C (0°F): SAE 75W-90
w/o A.D.D.	1.35 to 1.45 liters (1.42 to 1.53 US qts, 1.18 to 1.27 Imp. qts.)	Hypoid gear oil APL GL-4 and GL-5	Above-18°C (0°F): SAE 90 Below-18°C (0°F): SAE 85W-90










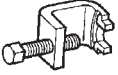

Rear differential



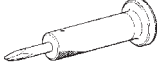

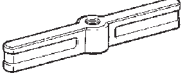
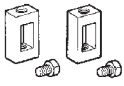


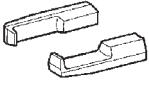

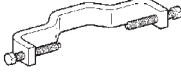
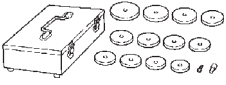
Item	Capacity	Oil grade	Classification
w/ Differential lock	2.85 to 2.95 liters (3.01 to 3.12 US qts, 2.51 to 2.60 Imp. qts.)	Hypoid gear oil APL GL-5	Above-18°C (0°F): SAE 90 Below-18°C (0°F): SAE 85W-90
w/o Differential lock	2.95 to 3.05 liters (3.12 to 3.22 US qts, 2.60 to 2.68 Imp. qts.)	Hypoid gear oil APL GL-5	Above-18°C (0°F): SAE 90 Below-18°C (0°F): SAE 85W-90









AXLE

SST

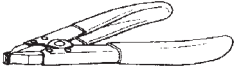
	09023-00101	Union Nut Wrench 10 mm	
	09308-00010	Oil Seal Puller	
	09318-12010	Transfer Bearing Adjusting Nut Wrench	
	09521-25011	Rear Axle Shaft Puller	
	09521-25021	Rear Axle Shaft Puller Attachment	
	09527-17011	Rear Axle Shaft Bearing Remover	
	09628-62011	Boll Joint Puller	
	09631-12090	Seal Ring Tool	
	09649-17010	Steering Knuckle Tool	
	09650-17011	Hub Bolt Remover	
	09710-30021	Suspension Bushing Tool Set	

	(09710-03051)	Bushing Replacer	
	09726-40010	Lower Control Shaft Bearing Replacer	
	09930-00010	Drive Shaft Nut Chisel	
	09950-40011	Puller B Set	
	(09951-04020)	Hanger 200	
	(09952-04010)	Slide Arm	
	(09953-04020)	Center Bolt 150	
	(09954-04010)	Arm 25	
	(09955-04061)	Claw No.6	
	(09957-04010)	Attachment	
	(09958-04011)	Holder	
	09950-60020	Replacer Set No.2	

PP

	(09951-00770)	Replacer 77	
	09950-70010	Handle Set	
	(09951-07100)	Handle 100	
	(09951-07150)	Handle 150	
	09951-01000	Replacer 100	
	09951-01100	Replacer 110	

RECOMMENDED TOOLS

	<p>09905-00012</p>	<p>Snap Ring No.1 Expander</p>	
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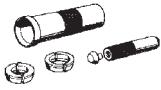

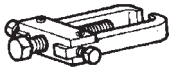






EQUIPMENT

Dial indicator with magnetic base	
Torque wrench	

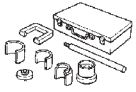



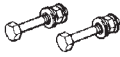
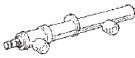
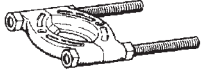

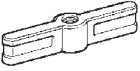
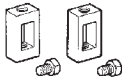
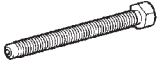






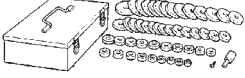


SUSPENSION

SST

	09023-00101	Union Nut Wrench 10 mm	
	09502-12010	Differential Bearing Replacer	
	09613-26010	Steering Worm Bearing Cone Remover	
	09628-00011	Ball Joint Puller	
	09628-62011	Ball Joint Puller	
	09631-12090	Seal Ring Tool	
	09631-32020	Seal Ring Tool	
	09710-22021	Front Suspension Bushing Tool Set	
	(09710-01031)	Upper Arm Bushing Replacer	
	(09710-01071)	Lower Arm Bushing Remover	
	(09710-01081)	Lower Arm Bushing Replacer	

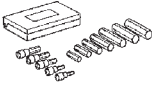

PP

	<p>09710-26010</p>	<p>Rear Suspension Bushing Tool Set</p>	
	<p>(09710-05061)</p>	<p>Replacer</p>	
	<p>09727-00060</p>	<p>Arm Set C</p>	
	<p>09727-30021</p>	<p>Coil Spring Compressor</p>	
	<p>(09727-00010)</p>	<p>Bolt Set</p>	
	<p>(09727-00031)</p>	<p>Compressor</p>	
	<p>09950-00020</p>	<p>Bearing Remover</p>	
	<p>09950-40011</p>	<p>Puller B Set</p>	
	<p>(09951-04010)</p>	<p>Hanger 150</p>	
	<p>(09952-04010)</p>	<p>Slide Arm</p>	
	<p>(09953-04020)</p>	<p>Center Bolt 150</p>	
	<p>(09954-04010)</p>	<p>Arm 25</p>	

	(09955-04011)	Claw No.1	
	(09957-04010)	Attachment	
	(09958-04011)	Holder	
	09950-60010	Replacer Set	
	(09951-00470)	Replacer 47	
	(09951-00520)	Replacer 52	

PP

RECOMMENDED TOOLS

	09040-00011	Hexagon Wrench Set	
	(09043-20060)	Socket Hexagon Wrench 6	

PP

EQUIPMENT

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

TIRE AND WHEEL

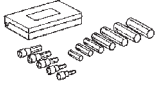
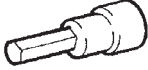


EQUIPMENT

Dial indicator with magnetic base	
Wheel balancer	



BRAKE CONTROL

RECOMMENDED TOOLS

	<p>09040-00011</p>	<p>Hexagon Wrench Set</p>	
	<p>(09043-20050)</p>	<p>Socket Hexagon Wrench 5</p>	
	<p>09082-00040</p>	<p>TOYOTA Electrical Tester</p>	
	<p>(09083-00150)</p>	<p>Test Lead Set</p>	

PP

EQUIPMENT



Torque wrench	
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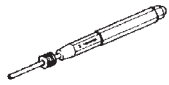
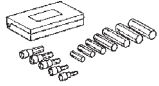
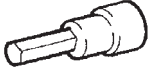
BRAKE

SST

PP

	09023-00101	Union Nut Wrench 10 mm	
	09709-29018	LSPV Gauge Set	

RECOMMENDED TOOLS

	<p>09031-00030</p>	<p>Pin Punch</p>	
	<p>09040-00011</p>	<p>Hexagon Wrench Set</p>	
	<p>(09043-20050)</p>	<p>Socket Hexagon Wrench 5</p>	

EQUIPMENT

Torque wrench	
Ruler	
Micrometer	
Dial indicator with magnetic base	



LUBRICANT

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

PARKING BRAKE

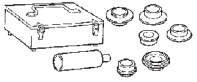



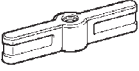
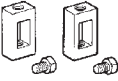


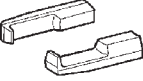
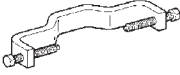

EQUIPMENT

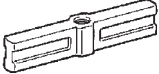



Torque wrench	
Brake drum gauge	
Ruler	
Feeler gauge	
Ohmmeter	

PP

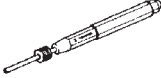
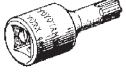
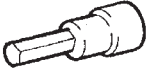


STEERING COLUMN

SST

	09316-60011	Transmission & Transfer Bearing Replacer	
	(09316-00051)	Replacer D	
	09921-00010	Spring Tension Tool	
	09950-40011	Puller B Set	
	(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	
	09950-50013	Puller C Set	

	(09951-05010)	Hanger 150	
	(09952-05010)	Slide Arm	
	(09953-05020)	Center Bolt 150	
	(09954-05021)	Claw No.2	

RECOMMENDED TOOLS

	<p>09031-00030</p>	<p>Pin Punch</p>	
	<p>09042-00010</p>	<p>Torx Socket T30</p>	
	<p>(09043-20060)</p>	<p>Socket Hexagon Wrench 6</p>	
	<p>09904-00010</p>	<p>Expander Set</p>	
	<p>(09904-00050)</p>	<p>No. 4 Claw</p>	



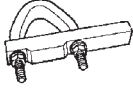
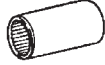
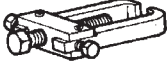

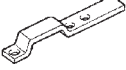
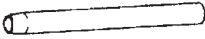



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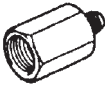
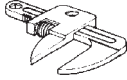
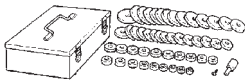

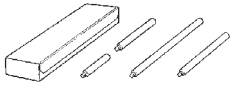


EQUIPMENT

Torque wrench	
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POWER STEERING

SST

	09023-12701	Union Nut Wrench 17mm	
	09023-38201	Union Nut Wrench 12mm	
	09612-00012	Rack & Pinion Steering Rack Housing Stand	
	09616-00011	Steering Worm Bearing Adjusting Socket	
	09628-62011	Boll Joint Puller	
	09630-00014	Power Steering Gear Housing Overhaul Tool Set	
	(09631-00132)	Vane Pump Bracket	
	09631-00350	Steering Rack Cover 35	
	09631-12071	Steering Rack Oil Seal Test Tool	
	(09633-00010)	Packing	
	09631-20120	Cylinder End Stopper Nut Wrench	

	<p>09640-10010</p>	<p>Power Steering Pressure Gauge Set</p>	
	<p>(09641-01010)</p>	<p>Gauge Assy</p>	
	<p>(09641-01030)</p>	<p>Attachment B</p>	
	<p>(09641-01060)</p>	<p>Attachment E</p>	
	<p>09922-10010</p>	<p>Variable Open Wrench</p>	
	<p>09950-60010</p>	<p>Replacer Set</p>	
	<p>(09951-00280)</p>	<p>Replacer 28</p>	
	<p>09950-70010</p>	<p>Handle Set</p>	
	<p>(09951-07100)</p>	<p>Handle 100</p>	
	<p>(09951-07200)</p>	<p>Handle 200</p>	

EQUIPMENT

Dial indicator with magnetic base	
Feeler gauge	
Micrometer	
Vernier caliper	
Torque wrench	
Vernier caliper	
Wooden block	









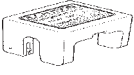


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LUBRICANT

Item	Capacity	Classification
Power steering fluid	-	ATF "DEXRON" II or III



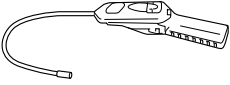
AIR CONDITIONING

SST

	07110-58060	Air Conditioner Service Tool Set	
	(07117-58080)	Quick Disconnect Adapter	
	(07117-58090)	Quick Disconnect Adapter	
	(07117-78050)	Refrigerant Charging Gauge	
	(07117-88060)	Refrigerant Charging Hose	
	(07117-88070)	Refrigerant Charging Hose	
	(07117-88080)	Refrigerant Charging Hose	
	09870-00015	A/C Quick Joint Puller No.1	
	09870-00025	A/C Quick Joint Puller No.2	
	09960-10010	Variable Pin Wrench Set	
	(09962-01000)	Variable Pin Wrench Arm Assembly	

	(09963-00500)	Pin 5	
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RECOMMENDED TOOLS

	<p>09082-00040</p>	<p>TOYOTA Electrical Tester</p>	
	<p>(09083-00150)</p>	<p>Test Lead Set</p>	
	<p>95146-00180</p>	<p>Halogen Leak Detector DENSO Part No.</p>	

EQUIPMENT

Voltmeter	
Ohmmeter	
Vacuum pump	
Vinyl tape	
Dial indicator or dial indicator with magnetic base	
Torque wrench	
Service wire harness	
Radiator cap tester	

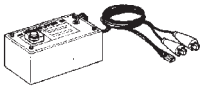
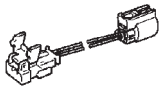

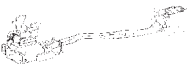

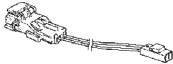


PP

LUBRICANT

Item	Capacity	Classification
Compressor oil	-	ND-OIL8 or equivalent
When replacing No. 1 cooler evaporator	40 cc (1.35 fl. oz.)	ND-OIL8 or equivalent
When replacing cooler condenser	40 cc (1.35 fl. oz.)	ND-OIL8 or equivalent

SUPPLEMENTAL RESTRAINT SYSTEM

SST

	09082-00700	SRS Airbag Deployment Tool	
	09082-00750	Airbag Deployment Wire Sub-harness No.3	
	09082-00760	Airbag Deployment Wire Sub-harness No.4	
	09082-00780	Airbag Deployment Wire Sub-harness No.6	
	09082-00802	Airbag Deployment Wire Sub-Harness No. 8	
	(09082-10801)	Wire A	
	(09082-30801)	Wire C	
	09843-18060	SRS Check Wire	

PP

RECOMMENDED TOOLS

	<p>09042-00010</p>	<p>Torx Socket T30</p>	
	<p>09082-00040</p>	<p>TOYOTA Electrical Tester</p>	
	<p>(09083-00150)</p>	<p>Test Lead Set</p>	

HINT:

Torx is a registered trademark of Textron Inc.

PP

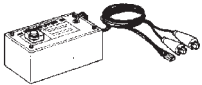
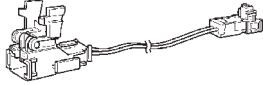
EQUIPMENT

Torque wrench	
Ohmmeter	
Bolt Length: 35.0 mm (1.378 in.) Diameter: 6.0 mm (0.236 in.) Pitch: 1.0 mm (0.039 in.)	Airbag disposal
Tire Width: 185 mm (7.28 in.) Inner diameter: 360 mm (14.17 in.)	Airbag disposal
Tire with disc wheel Width: 185 mm (7.28 in.) Inner diameter: 360 mm (14.17 in.)	Airbag disposal
Plastic bag	Airbag disposal
Battery	Airbag disposal
Knife	Airbag disposal
Service-purpose wire harness	Airbag disposal
Shop rag or pice of cloth	Airbag disposal
Service wire	Airbag disposal



PP

SEAT BELT

SST

	<p>09082-00700</p>	<p>SRS Airbag Deployment Tool</p>	
	<p>09082-00770</p>	<p>Airbag Deployment Wire Sub-harness No.5</p>	

RECOMMENDED TOOLS

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



PP

EQUIPMENT

Battery	
Knife	
Ohmmeter	
Plastic bag	
Service-purpose wire harness	
Service wire harness	
Tire with wheel	
Torque wrench	

CRUISE CONTROL

RECOMMENDED TOOLS

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

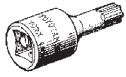


PP

EQUIPMENT

Ohmmeter	
Vinyl tape	
Torque wrench	

LIGHTING

RECOMMENDED TOOLS

	<p>09042-00010</p>	<p>Torx Socket T30</p>	
	<p>09082-00040</p>	<p>TOYOTA Electrical Tester</p>	
	<p>(09083-00150)</p>	<p>Test Lead Set</p>	

EQUIPMENT

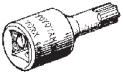

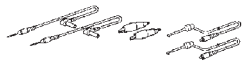
Protective tape	
Ohmmeter	
Service wire harness	
Voltmeter	
Torque wrench	



WIPER AND WASHER

RECOMMENDED TOOLS

PP

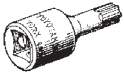


	09042-00010	Torx Socket T30	
	09082-00040	TOYOTA Electrical Tester	
	(09083-00150)	Test Lead Set	

EQUIPMENT

Battery	
Ohmmeter	
Protective tape	
Brush	
Vinyl tape	
Service wire harness	
Torque wrench	

DOOR LOCK

RECOMMENDED TOOLS

	<p>09042-00010</p>	<p>Torx Socket T30</p>	
	<p>09082-00040</p>	<p>TOYOTA Electrical Tester</p>	
	<p>(09083-00150)</p>	<p>Test Lead Set</p>	

EQUIPMENT

Protective tape	
Ohmmeter	
Service wire harness	
MP grease	
Torque wrench	





SSM

Toyota Genuine Adhesive 1324, Three Bond 1324 or the equivalent	
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METER

RECOMMENDED TOOLS

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



PP

EQUIPMENT

Torque wrench	
Tape	To avoid surface damage

AUDIO / VISUAL

RECOMMENDED TOOLS

	<p>09082-00040</p>	<p>TOYOTA Electrical Tester</p>	
	<p>(09083-00150)</p>	<p>Test Lead Set</p>	

PP



EQUIPMENT

Battery	
Clip remover	
Ohmmeter	
Protective tape	
Service wire harness	
Torque wrench	

PARK ASSIST / MONITORING

RECOMMENDED TOOLS

PP



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

EQUIPMENT

Battery	
Ohmmeter	
Service wire harness	
Torque wrench	

HORN

RECOMMENDED TOOLS

	<p>09082-00040</p>	<p>TOYOTA Electrical Tester</p>	
	<p>(09083-00150)</p>	<p>Test Lead Set</p>	

EQUIPMENT

Battery	
Ohmmeter	
Service wire harness	
Torque wrench	



OTHER SYSTEM

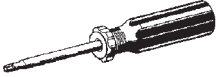


EQUIPMENT

Battery	
Ohmmeter	
Protective tape	
Voltmeter	
Service wire harness	
Torque wrench	

PP

WINDSHIELD / WINDOWGLASS

RECOMMENDED TOOLS

	<p>09041-00020</p>	<p>Torx Driver T25</p>	
	<p>09082-00040</p>	<p>TOYOTA Electrical Tester</p>	
	<p>(09083-00150)</p>	<p>Test Lead Set</p>	

PP

EQUIPMENT

Ohmmeter	
Service wire harness	
Ammeter	
MP grease	
Knife	
Piano wire	
Suction cup	
Plastic sheet	
Brush	
Sponge	
Sealer gun	
Wooden block	
Voltmeter	
Tin foil	
Masking tape	
Torque wrench	

PP

SSM

Toyota Genuine Windshield Glass Adhesive or the equivalent	
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MIRROR

EQUIPMENT

Protective tape	
Service wire harness	
Ohmmeter	
Torque wrench	



INSTRUMENT PANEL

EQUIPMENT

Torque wrench	
Tape	To avoid surface damage

SEAT


EQUIPMENT

Clip remover	
Hog ring pliers	
Protective tape	
Torque wrench	

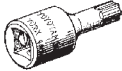



ENGINE HOOD / DOOR

SST

	<p>09812-00010</p>	<p>Door Hinge Set Bolt Wrench</p>	
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RECOMMENDED TOOLS

	09042-00010	Torx Socket T30	
	09042-00020	Torx Socket T40	

PP

EQUIPMENT

Protective tape	
MP grease	
Metal saw	
Torque wrench	


SSM

Toyota Genuine Adhesive 1324, Three Bond 1324 or the equivalent	
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PP

EXTERIOR

RECOMMENDED TOOLS

	09070-20010	Moulding Remover	
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PP

EQUIPMENT

Bamboo scraper	
Cardboard	
Clip remover	
Industrial dryer	
Infrared light	
Non- residue solvent	
Paddle	
Piano wire	
Protective tape	
Sealer gun	
Shop rag or piece of cloth	
Squeegee	
Tape removal disc	
Torque wrench	
Wooden block	

PP

SSM

Toyota Genuine Windshield Glass Adhesive or the equivalent	
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INTERIOR EQUIPMENT

Clip remover	
Double-sided tape	
Protective tape	
Torque wrench	

MULTIPLEX COMMUNICATION



RECOMMENDED TOOLS

PP

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

CAN COMMUNICATION

RECOMMENDED TOOLS

	<p>09082-00040</p>	<p>TOYOTA Electrical Tester</p>	
	<p>(09083-00150)</p>	<p>Test Lead Set</p>	