

2AZ-FE ENGINE CONTROL SYSTEM

SST

	09817-33190	Sensor Socket Wrench	Engine coolant temperature sensor
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PP

PP-2

PREPARATION – 2AZ-FE ENGINE CONTROL SYSTEM

RECOMMENDED TOOLS

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

PP

PREPARATION – 2AZ-FE ENGINE CONTROL SYSTEM

PP-3

EQUIPMENT

Ohmmeter	-
Service wire	-
Torque wrench	-

PP

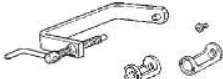
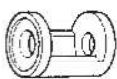
PP-2

PREPARATION – 2AZ-FE ENGINE MECHANICAL

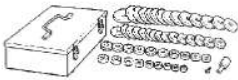
2AZ-FE ENGINE MECHANICAL

SST

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	09032-00100	Oil Pan Seal Cutter	-
	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	-
	(91651-60855)	Bolt	-
	09223-15030	Oil Seal & Bearing Replacer	Crankshaft rear oil seal
	09223-22010	Crankshaft Front Oil Seal Replacer	-
	09249-63010	Torque Wrench Adaptor	-
	09309-37010	Transmission Bearing Replacer	Crankshaft front oil seal

PREPARATION – 2AZ-FE ENGINE MECHANICAL**PP-3**

	09330-00021	Companion Flange Holding Tool	-
	09843-18030	Tacho-pulse Pickup Wire No.2	-
	09843-18040	Diagnosis Check Wire No.2	-
	09950-50013	Puller C Set	-
	(09951-05010)	Hanger 150	-
	(09952-05010)	Slide Arm	-
	(09953-05020)	Center Bolt 150	-
	(09954-05021)	Claw No.2	-
	09950-60010	Replacer Set	-
	(09951-00200)	Replacer 20	-
	09950-70010	Handle Set	-
	(09951-07100)	Handle 100	-

PP

PP-4

PREPARATION – 2AZ-FE ENGINE MECHANICAL

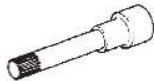
	09992-00500	Compression Gauge Attachment	-
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PREPARATION – 2AZ-FE ENGINE MECHANICAL

PP-5

RECOMMENDED TOOLS

	09011-12301	Socket Wrench 30 mm	-
	09040-00011	Hexagon Wrench Set	-
	(09043-20060)	Socket Hexagon Wrench 6	-
	(09043-20120)	Socket Hexagon Wrench 12	-
	09043-50100	Bi-hexagon Wrench 10 mm	-
	09044-00020	Torx Socket E10	-
	09090-04020	Engine Sling Device	-
	(09857-00031)	Spark Plug Gap Gauge	-

PP

PP-6

PREPARATION – 2AZ-FE ENGINE MECHANICAL

EQUIPMENT

V-block	-
Piston ring compressor	-
Piston ring expander	-
Valve seat cutter	-
Feeler gauge	-
CO/HC meter	-
Connecting rod aligner	-
Cylinder gauge	-
Micrometer	-
Precision straight edge	-
Radiator cap tester	-
Steel square	-
Tachometer	-
Torque wrench	-
Vernier calipers	-
Dial indicator with magnetic base	-
Alignment tester	-
Toe-in gauge	-
Spring tension gauge	-
Slide calipers	-
Sandpaper (#400)	-
Piston heater	-
Wooden block	-
Plastigage	-
Angle gauge	-
Timing light	-

HINT:

Torx is registered trademark of Textron Inc.

SSM

Toyota Genuine Seal Packing Black, Three Bond 1207B or Equivalent
Toyota Genuine Adhesive 1324, Three Bond 1324 or Equivalent
Toyota Genuine Adhesive 1344, Three Bond 1344 or Equivalent



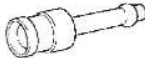
PP-6

PREPARATION – 2AZ-FE FUEL

2AZ-FE FUEL

SST

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	09268-21010	Fuel Hose Puller	
	09268-31011	Injection Measuring Tool Set	
	(09268-41110)	Adaptor	
	(09268-41300)	Clamp	
	(09268-41500)	Fuel Tube Connector	
	(90467-13001)	Clip	
	(95336-08070)	Hose	
	09268-45014	EFI Fuel Pressure Gauge	
	(09268-41200)	Gauge	
	(09268-41220)	Hose	
	(09268-41250)	T Joint	

PREPARATION – 2AZ-FE FUEL

PP-7

	09842-30080	Wire H EFI Inspection	
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PP-8

PREPARATION – 2AZ-FE FUEL

RECOMMENDED TOOLS

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

PP

EQUIPMENT

Clip	-
Cutter knife	-
Plastic bag	-
Torque wrench	-
Vernier caliper	-

PP

PP-8

PREPARATION – 2AZ-FE EMISSION CONTROL

2AZ-FE EMISSION CONTROL

SST

	09224-00010	O2 Sensor Wrench	-
	09992-00242	Turbocharger Pressure Gauge	-

PP

RECOMMENDED TOOLS

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

PP

PP-10

PREPARATION – 2AZ-FE EMISSION CONTROL

EQUIPMENT

Intelligent tester	-
Torque wrench	-
Vacuum gauge	-
Hose clipper	-
Pressure gauge	-

PP

PREPARATION – 2AZ-FE EMISSION CONTROL

PP-11

SSM

	08833-00070	Adhesive 1324, THREE BOND 1324 or equivalent	-
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2AZ-FE EXHAUST
EQUIPMENT

Torque wrench	
Vernier caliper	

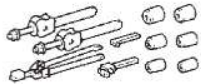


PP-10

PREPARATION – 2AZ-FE COOLING

2AZ-FE COOLING

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	09230-01010	Radiator Service Tool Set	-
	(09231-01010)	Overhaul Handle	-
	(09231-01020)	Punch Assembly	-
	(09231-01030)	Claw	-
	09960-10010	Variable Pin Wrench Set	-
	(09962-01000)	Variable Pin Wrench Arm Assembly	-
	(09963-00700)	Pin 7	-

PP

EQUIPMENT

Ohmmeter	-
Radiator cap tester	-
Thermometer	-
Torque wrench	-
Slide calipers	-
Heater	-

PP

PP-12

PREPARATION – 2AZ-FE COOLING

COOLANT

Item	Capacity	Classification
Engine coolant	M/T: 6.8 liters (7.2 US pts, 6.0 Imp. qts) A/T: 6.7 liters (7.1 US pts, 5.9 Imp. qts)	Use only "Toyota Super Long Life Coolant" or similar high quality ethylene glycol based non-silicate, non-amine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology (coolant with long-life hybrid organic acid technology consists of a combination of low phosphates and organic acids)

PP

PREPARATION – 2AZ-FE COOLING

PP-13

SSM

	08826-00080	Seal Packing Black or equivalent (FIPG)	-
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PP-12

PREPARATION – 2AZ-FE LUBRICATION

2AZ-FE LUBRICATION

SST

	09228-06501	Oil Filter Wrench	-
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RECOMMENDED TOOLS

	09044-00020	Torx Socket E10	-
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PP-14

PREPARATION – 2AZ-FE LUBRICATION

EQUIPMENT

Feeler gauge	-
Precision straight edge	-
Torque wrench	-
Vernier calipers	-
Wooden block	-

PP

PREPARATION – 2AZ-FE LUBRICATION

PP-15

LUBRICANT

Item		Capacity	Classification
Oil grade		-	ILSAC multigrade engine oil
Drain and refill	w/ oil filter replacement	3.8 liters (4.0 US qts, 3.3 Imp. qts)	-
	w/o oil filter replacement	3.6 liters (3.8 US qts, 3.2 Imp. qts)	-
Dry fill		4.5 liters (4.8 US qts, 4.0 Imp. qts)	-



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PREPARATION – 2AZ-FE LUBRICATION

SSM

	08826-00080	Seal Packing Black or equivalent (FIPG)	-
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2AZ-FE IGNITION

RECOMMENDED TOOLS

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

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PREPARATION – 2AZ-FE IGNITION

EQUIPMENT

Ohmmeter	-
Torque wrench	-
Voltmeter	-

PP

PP-14

PREPARATION – 2AZ-FE STARTING

2AZ-FE STARTING

RECOMMENDED TOOLS

	09082-00040	TOYOTA Electrical Tester	-
	(09083-00150)	Test Lead Set	-
	09904-00010	Expander Set	-
	(09904-00050)	No. 4 Claw	-

PP

EQUIPMENT

Ammeter	-
Ohmmeter	-
Service wire	-
Torque wrench	-
Vernier calipers	-

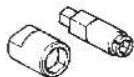
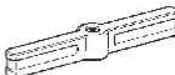
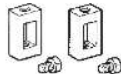


PREPARATION – 2AZ-FE CHARGING

PP-15

2AZ-FE CHARGING

SST

	09820-06021	Alternator Pulley Set Nut Wrench	-
	09820-63011	Alternator Pulley Set Nut Wrench Set	-
	(09820-06010)	Alternator Rotor Shaft Wrench	-
	09950-40011	Puller B Set	-
	(09951-04020)	Hanger 200	-
	(09952-04010)	Slide Arm	-
	(09953-04020)	Center Bolt 150	-
	(09954-04010)	Arm 25	-
	(09955-04071)	Claw No.7	-
	(09957-04010)	Attachment	-

PP

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PREPARATION – 2AZ-FE CHARGING

RECOMMENDED TOOLS

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

PP

EQUIPMENT

Ammeter	-
Ohmmeter	-
Service wire	-
Torque wrench	-
Vernier calipers	-

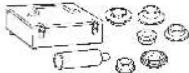


PREPARATION – U241E AUTOMATIC TRANSAXLE

PP-17

U241E AUTOMATIC TRANSAXLE

SST

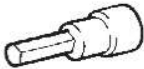
	09308-00010	Oil Seal Puller	-
	09316-60011	Transmission & Transfer Bearing Replacer	-
	(09316-00011)	Replacer Pipe	-
	09350-32014	TOYOTA Automatic Transmission Tool Set	-
	(09351-32010)	One-way Clutch Test Tool	-
	(09351-32020)	Stator Stopper	-
	09649-17010	Steering Knuckle Tool	-
	09950-70010	Handle Set	-
	(09951-07150)	Handle 150	-
	(09951-07200)	Handle 200	-

PP

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PREPARATION – U241E AUTOMATIC TRANSAXLE

RECOMMENDED TOOLS

	09040-00011	Hexagon Wrench Set	-
	(09043-20100)	Socket Hexagon Wrench 10	-
	09090-04020	Engine Sling Device	-

PP

EQUIPMENT

Chain block	
Dial indicator with magnetic base	
Slide calipers	
Straight edge	
Torque wrench	
Vernier calipers	

PP

PP-20

PREPARATION – U241E AUTOMATIC TRANSAXLE

LUBRICANT

Automatic transaxle fluid: Dry fill	8.1 litter (8.6 US qts, 7.1 Imp.qts)	Toyota Genuine ATF WS
Automatic transaxle fluid: Drain and refill	3.5 litter (3.7 US qts, 3.1 Imp.qts)	Toyota Genuine ATF WS

PP

SSM

Toyota Genuine Adhesive 1344, Three Bond 1344 or equivalent	
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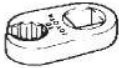
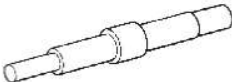
PP

PREPARATION – CLUTCH

PP-19

CLUTCH

SST

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

PP

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PREPARATION – CLUTCH

RECOMMENDED TOOLS

	09031-00030	Pin Punch	-
	09040-00011	Hexagon Wrench Set	-
	09905-00013	Snap Ring Pliers	-

PP

EQUIPMENT

Torque wrench	
Vernier calipers	
Dial indicator with magnetic base	



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PREPARATION – CLUTCH

LUBRICANT

Item	Capacity	Classification
Brake fluid	-	SAE J1704 or FMVSS No. 116 DOT 4

PP

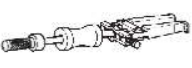
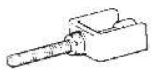
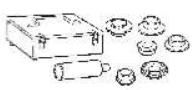
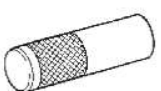
PP-20

PREPARATION – E350 MANUAL TRANSAXLE

E350 MANUAL TRANSAXLE

SST

PP

	09229-55010	Oil Cooler Relief Valve Wrench	-
	09308-00010	Oil Seal Puller	-
	09309-12020	5th Driven Gear Replacer	-
	09316-20011	Transfer Bearing Replacer	-
	09316-60011	Transmission & Transfer Bearing Replacer	-
	(09316-00031)	Replacer B	-
	09506-30012	Differential Drive Pinion Rear Bearing Cone Replacer	-
	09608-00071	Drive Pinion Rear Bearing Cone Replacer	-
	09608-06041	Front Hub Inner Bearing Cone Replacer	-
	09608-10010	Steering Knuckle Oil Seal Replacer	-
	09608-32010	Steering Knuckle Oil Seal Replacer	-

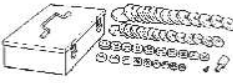
PREPARATION – E350 MANUAL TRANSAXLE**PP-21**

	09612-65014	Steering Worm Bearing Puller	-
	(09612-01040)	Claw D	-
	(09612-01050)	Hanger Pin with Nut	-
	09631-12090	Seal Ring Tool	-
	09930-00010	Drive Shaft Nut Chisel	-
	09950-00020	Bearing Remover	-
	09950-00030	Bearing Remover Attachment	-
	09950-30012	Puller A Set	-
	(09951-03010)	Upper Plate	-
	(09953-03010)	Center Bolt	-
	(09954-03010)	Arm	-
	(09957-04010)	Attachment	-

PP

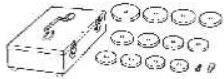
PP-22

PREPARATION – E350 MANUAL TRANSAXLE

	09950-40011	Puller B Set	-
	(09957-04010)	Attachment	-
	09950-50013	Puller C Set	-
	(09957-04010)	Attachment	-
	09950-60010	Replacer Set	-
	(09951-00180)	Replacer 18	-
	(09951-00280)	Replacer 28	-
	(09951-00320)	Replacer 32	-
	(09951-00420)	Replacer 42	-
	(09951-00430)	Replacer 43	-
	(09951-00490)	Replacer 49	-
	(09951-00560)	Replacer 56	-

PP

PREPARATION – E350 MANUAL TRANSAXLE**PP-23**

	(09951-00570)	Replacer 57	-
	(09951-00600)	Replacer 60	-
	(09951-00680)	Replacer 68	-
	(09955-03011)	Claw No.1	-
	09950-60020	Replacer Set No.2	-
	(09951-00680)	Replacer 68	-
	(09951-00730)	Replacer 73	-
	(09951-00790)	Replacer 79	-
	(09951-00890)	Replacer 89	-
	(09951-00910)	Replacer 91	-
	09950-70010	Handle Set	-
	(09951-07100)	Handle 100	-

PP

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PREPARATION – E350 MANUAL TRANSAXLE

	(09951-07150)	Handle 150	-
	(09951-07200)	Handle 200	-

PP

RECOMMENDED TOOLS

	09011-12301	Socket Wrench 30 mm	-
	09031-00040	Pin Punch	-
	09040-00011	Hexagon Wrench Set	-
	(09043-20060)	Socket Hexagon Wrench 6	-
	09042-00050	Torx Socket T45	-
	09905-00012	Snap Ring No.1 Expander	-

PP

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PREPARATION – E350 MANUAL TRANSAXLE

EQUIPMENT

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

PP

LUBRICANT

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



PP-28

PREPARATION – E350 MANUAL TRANSAXLE

SSM

Toyota Genuine Seal Packing 1281, Three Bond 1281 or equivalent	
Toyota Genuine Adhesive 1344, Three Bond 1344 or equivalent	

PP

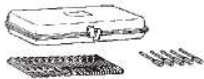
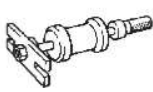
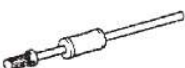
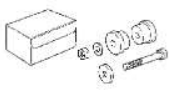
PP-26

PREPARATION – DRIVE SHAFT

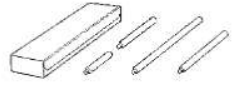
DRIVE SHAFT

SST

PP

	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	-
	09608-16042	Front Hub Bearing Adjusting Tool	-
	(09608-02021)	Bolt & Nut	-
	(09608-02041)	Retainer	-
	09628-00011	Ball Joint Puller	-
	09710-04081	Base	-

PREPARATION – DRIVE SHAFT**PP-27**

	09726-40010	Lower Control Shaft Bearing Replacer	-
	09930-00010	Drive Shaft Nut Chisel	-
	09950-00020	Bearing Remover	-
	09950-60020	Replacer Set No.2	-
	(09951-00710)	Replacer 71	-
	09950-70010	Handle Set	-
	(09951-07100)	Handle 100	-

PP

PP-28

PREPARATION – DRIVE SHAFT

EQUIPMENT

Torque wrench	-
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PP

LUBRICANT

Item	Capacity
Front drive shaft outboard joint grease	190 to 200 g (6.7 to 7.1 oz.)
Front drive shaft inboard joint grease	175 to 185 g (6.2 to 6.5 oz.)



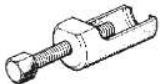
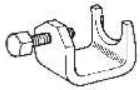
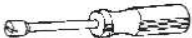
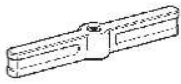
PP-28

PREPARATION – AXLE

AXLE

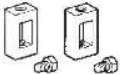
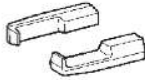
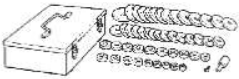
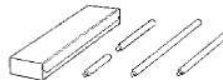
SST

PP

	09223-15020	Oil Seal & Bearing Replacer	-
	09520-00031	Rear Axle Shaft Puller	-
	09608-32010	Steering Knuckle Oil Seal Replacer	-
	09610-20012	Pitman Arm Puller	-
	09628-00011	Ball Joint Puller	-
	09628-10011	Ball Joint Puller	-
	09628-62011	Ball Joint Puller	-
	09718-00010	Shoe Hold Down Spring Driver	-
	09930-00010	Drive Shaft Nut Chisel	-
	09950-40011	Puller B Set	-
	(09951-04020)	Hanger 200	-

PREPARATION – AXLE

PP-29

	(09952-04010)	Slide Arm	-
	(09953-04030)	Center Bolt 200	-
	(09954-04010)	Arm 25	-
	(09955-04061)	Claw No.6	-
	(09957-04010)	Attachment	-
	(09958-04010)	Holder (J)	-
	09950-60010	Replacer Set	-
	(09951-00370)	Replacer 37	-
	(09951-00600)	Replacer 60	-
	09950-60020	Replacer Set No.2	-
	(09951-00720)	Replacer 72	-
	09950-70010	Handle Set	-

PP

PP-30

PREPARATION – AXLE

	(09387-02010)	Oil Seal Replacer	-
	(09951-07100)	Handle 100	-

PP

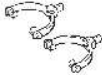
EQUIPMENT

Torque wrench	-
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SUSPENSION

SST

	09610-20012	Pitman Arm Puller	-
	09628-62011	Bolt Joint Puller	-
	09727-30021	Coil Spring Compressor	-
	(09727-00010)	Bolt Set	-
	(09727-00021)	Arm Set	-
	(09727-00031)	Compressor	-

PP

PP-32

PREPARATION – SUSPENSION

RECOMMENDED TOOLS

	09040-00011	Hexagon Wrench Set	-
	(09043-20050)	Socket Hexagon Wrench 5	-
	(09043-20060)	Socket Hexagon Wrench 6	-

PP

EQUIPMENT

Alignment tester	
Angle gauge	
Camber-caster-kingpin gauge	
Chein block	
Dial indicator with magnetic base	
Drill	
Engine sling device	
Hexagon wrench set	
Socket wrench 30 mm	
Tire pressure gauge	
Toe-in gauge	
Torque wrench	
Wheel balancer	

TIRE AND WHEEL

RECOMMENDED TOOLS

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

PP

PP-34

PREPARATION – TIRE AND WHEEL

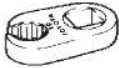
EQUIPMENT

Dial indicator with magnetic base	
Tire pressure gauge	
Wheel balancer	
Torque wrench	

PP

BRAKE CONTROL

SST

	09023-00101	Union Nut Wrench 10 mm	-
	09214-76011	Crankshaft Pulley Replacer	-
	09520-00031	Rear Axle Shaft Puller	-
	(09520-00040)	Shocker	-
	09521-00020	Drive Shaft Boot Clamping Tool	-
	09950-00020	Bearing Remover	-

RECOMMENDED TOOLS

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

PP

PP-36

PREPARATION – BRAKE CONTROL

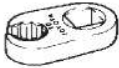
EQUIPMENT

Torque wrench	-
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PP

BRAKE

SST

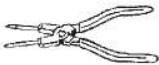
	09023-00101	Union Nut Wrench 10 mm	-
	09737-00013	Brake Booster Push Rod Gauge	-
	09737-00020	Brake Booster Push Rod Wrench	-

PP

PP-36

PREPARATION – BRAKE

RECOMMENDED TOOLS

	09905-00013	Snap Ring Pliers	-
	(09043-20080)	Socket Hexagon Wrench 8	-

PP

EQUIPMENT

Dial indicator with magnetic base	-
Micrometer	-
Torque wrench	-



PP-38

PREPARATION – BRAKE

LUBRICANT

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

PP

PP-36

PREPARATION – PARKING BRAKE

PARKING BRAKE

SST

	09718-00010	Shoe Hold Down Spring Driver	-
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PP

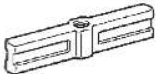
EQUIPMENT

Slide calipers	-
Torque wrench	-



STEERING COLUMN

SST

	09612-22011	Tilt Handle Bearing Replacer	
	09950-50013	Puller C Set	
	(09951-05010)	Hanger 150	
	(09952-05010)	Slide Arm	
	(09953-05020)	Center Bolt 150	
	(09954-05021)	Claw No.2	

PP

PP-38

PREPARATION – STEERING COLUMN

RECOMMENDED TOOLS

	09042-00010	Torx Socket T30	
	09904-00010	Expander Set	
	(09904-00020)	No. 1 Claw	

PP

EQUIPMENT

Torque wrench	
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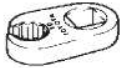
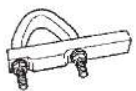
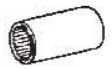
PP-38

PREPARATION – POWER STEERING

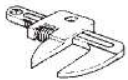
POWER STEERING

SST

PP

	09023-12701	Union Nut Wrench 17mm	
	09023-38201	Union Nut Wrench 12mm	
	09249-63010	Torque Wrench Adaptor	
	09612-00012	Rack & Pinion Steering Rack Housing Stand	
	09612-70100	Power Steering Oil Seal Remover Set	
	(09612-07110)	Collet No.1	
	(09612-07210)	Collet Setting Pipe No.1	
	(09612-07220)	Collet Setting Pipe No.2	
	(09612-07230)	Shaft	
	(09612-07240)	Collar	
	09616-00011	Steering Worm Bearing Adjusting Socket	

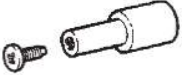
PREPARATION – POWER STEERING**PP-39**

	09630-00014	Power Steering Gear Housing Overhaul Tool Set	
	(09631-00132)	Vane Pump Bracket	
	09631-00200	Rack Seal Gulde NO.2	
	09631-12071	Steering Rack Oil Seal Test Tool	
	(09633-00010)	Packing	
	09631-20102	Steering Rack Cover H	
	09631-20120	Cylinder End Stopper Nut Wrench	
	09640-10010	Power Steering Pressure Gauge Set	
	(09641-01010)	Gauge Assembly	
	(09641-01030)	Attachment B	
	(09641-01060)	Attachment E	
	09922-10010	Variable Open Wrench	

PP

PP-40

PREPARATION – POWER STEERING

	09950-60010	Replacer Set	
	(09951-00180)	Replacer 18	
	(09951-00240)	Replacer 24	
	(09951-00280)	Replacer 28	
	(09951-00300)	Replacer 30	
	(09951-00320)	Replacer 32	
	(09952-06010)	Adapter	
	09950-70010	Handle Set	
	(09951-07100)	Handle 100	
	(09951-07150)	Handle 150	
	(09951-07360)	Handle 360	

RECOMMENDED TOOLS

	09025-00010	Torque Wrench (30 kgf-cm)	
	09040-00011	Hexagon Wrench Set	
	(09043-20060)	Socket Hexagon Wrench 6	
	(09043-30240)	Straight Hexagon Wrench 24	
	09090-04020	Engine Sling Device	
	09905-00012	Snap Ring No.1 Expander	

PP

PP-42

PREPARATION – POWER STEERING

EQUIPMENT

Caliper gauge	
Belt tension gauge	
Vernier calipers	
Dial indicator	
Feeler gauge	
Micrometer	
Torque wrench	
Dial indicator with magnetic base	
Tire pressure gauge	
Alignment tester	
Toe-in gauge	
V-block	
Chain block	
Angle gauge	

PP

LUBRICANT

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



PP-44

PREPARATION – POWER STEERING

SSM

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

PREPARATION – AIR CONDITIONING

PP-43

AIR CONDITIONING

SST

	07110-58060	Air Conditioner Service Tool Set	-
	(07117-58060)	Refrigerant Drain Service Valve	-
	(07117-58070)	T-Joint	-
	(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	-

PP

PP-44

PREPARATION – AIR CONDITIONING

	95047-10400	Magnet Clutch Stopper (DENSO part No.)	-
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PP

PREPARATION – AIR CONDITIONING

PP-45

RECOMMENDED TOOLS

	09042-00010	Torx Socket T30	-
	09070-20010	Moulding Remover	-
	09082-00040	TOYOTA Electrical Tester	-
	(09083-00150)	Test Lead Set	-
	09904-00010	Expander Set	-
	(09904-00050)	No. 4 Claw	-
	95416-00140	Gas Leak Detector (Halogen Leak Detector) (DENSO Part No.)	-

HINT:

"Torx" is a registered trademark of Textron Inc.

PP

PP-46

PREPARATION – AIR CONDITIONING

EQUIPMENT

Dial indicator with magnetic base	
Hexagon wrench 4 mm	
Radiator cap tester	
Torque wrench	
Vinyl tape	

PP

LUBRICANT

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



PREPARATION – SUPPLEMENTAL RESTRAINT SYSTEM

PP-45

SUPPLEMENTAL RESTRAINT SYSTEM

SST

	09082-00700	SRS Airbag Deployment Tool	
	09082-00750	Airbag Deployment Wire Sub-harness No. 3	
	09082-00770	Airbag Deployment Wire Sub-harness No. 5	
	09082-00780	Airbag Deployment Wire Sub-harness No. 6	
	09082-00802	Airbag Deployment Wire Sub-Harness No. 8	
	(09082-10801)	Wire A	
	(09082-20801)	Wire B	
	(09082-30801)	Wire C	
	09843-18040	Diagnosis Check Wire No. 2	

PP

PP-46

PREPARATION – SUPPLEMENTAL RESTRAINT SYSTEM

RECOMMENDED TOOLS

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

HINT:
Torx is a registered trademark of Textron Inc.

PP

EQUIPMENT

Torque wrench	Airbag disposal
Feeler gauge	
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

PP

SEAT BELT

SST

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

PP

PP-48

PREPARATION – SEAT BELT

EQUIPMENT

Torque wrench	
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PP

PP-48

PREPARATION – ENGINE IMMOBILISER

ENGINE IMMOBILISER

SST

	09843-18040	Diagnosis Check Wire No. 2	
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PP

RECOMMENDED TOOLS

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

PP

CRUISE CONTROL

RECOMMENDED TOOLS

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

PP

PP-50

PREPARATION – LIGHTING

LIGHTING

RECOMMENDED TOOLS

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

PP

WIPER AND WASHER

SST

	09843-18040	Diagnosis Check Wire No.2	-
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PP

PP-52

PREPARATION – WIPER AND WASHER

RECOMMENDED TOOLS

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

PP

EQUIPMENT

Voltmeter	
Ohmmeter	
Vinyl tape	
Wire brush	
Torque wrench	



PP-52

PREPARATION – DOOR LOCK

DOOR LOCK

RECOMMENDED TOOLS

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

PP

METER

RECOMMENDED TOOLS

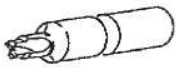
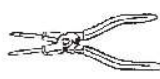
	09082-00040	TOYOTA Electrical Tester	-
	(09083-00150)	Test Lead Set	-

PP

PP-54

PREPARATION – AUDIO / VISUAL

AUDIO / VISUAL**RECOMMENDED TOOLS****PP**

	09050-00032	Air Drill	
	(09050-00210)	Chuck Set	
	(09050-00220)	Handle	
	09050-20010	Air Riveter	
	(09050-02010)	Dust Cap	
	(09050-02020)	Nose Piece No.1	
	09060-60350	Revet Cutter	
	09082-00040	TOYOTA Electrical Tester	
	09904-00010	Expander Set	
	(09904-00060)	No. 5 Claw	
	09905-00013	Snap Ring Pliers	

EQUIPMENT

Torque wrench	
Tape	To avoid surface damage



PP-56

PREPARATION – HORN

HORN

RECOMMENDED TOOLS

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

PP

EQUIPMENT

Torque wrench	
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WINDSHIELD / WINDOWGLASS

RECOMMENDED TOOLS

	09070-20010	Moulding Remover	
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PP

PP-58

PREPARATION – WINDSHIELD / WINDOWGLASS

EQUIPMENT

Knife	
Piano wire	
Plastic sheet	
Sealer gun	
Torque wrench	
Tape	
Wooden block or similar object	

PP

PREPARATION – WINDSHIELD / WINDOWGLASS

PP-59

SSM

	08833-00030	Three cement black or equivalent	
	08850-00801	Windshield Glass Adhesive Set or equivalent	

PP

PP-58

PREPARATION – MIRROR

MIRROR

RECOMMENDED TOOLS

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

PP

EQUIPMENT

Tape	To avoid surface damage
Torque wrench	



INSTRUMENT PANEL

RECOMMENDED TOOLS

	09070-20010	Moulding Remover	-
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PP

PP-60

PREPARATION – INSTRUMENT PANEL

EQUIPMENT

Torque wrench	
Tape	To avoid surface damage

PP

PP-60

PREPARATION – SEAT

SEAT

RECOMMENDED TOOLS

	09042-00010	Torx Socket T30	-
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PP

EQUIPMENT

Clip remover	
Hog ring pliers	
Hog ring	
Protective Tape	to avoid surface damage
Torque wrench	



ENGINE HOOD / DOOR

SST

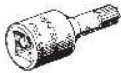
	09812-00010	Door Hinge Set Bolt Wrench	
	09812-00020	Door Hinge Set Bolt Wrench	

PP

PP-62

PREPARATION – ENGINE HOOD / DOOR

RECOMMENDED TOOLS

	09041-00020	Torx Driver T25	
	09042-00010	Torx Socket T30	
	09042-00020	Torx Socket T40	

PP

EQUIPMENT

Clip remover	
Tape	To avoid surface damage
Torque wrench	



PP-64

PREPARATION – ENGINE HOOD / DOOR

LUBRICANT

Item	Capacity	Classification
MP grease	-	-

PP

PREPARATION – ENGINE HOOD / DOOR

PP-65

SSM

	08833-00070	Adhesive 1324, THREE BOND 1324 or equivalent	
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PP

PP-62

PREPARATION – EXTERIOR

EXTERIOR

RECOMMENDED TOOLS

	09070-20010	Moulding Remover	-
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PP

EQUIPMENT

Clip remover	
Double-sided tape	
Heat light	
Protective Tape	to avoid surface damage
Piano wire	
Torque wrench	
Wooden block or similar object	For tying both piano wire ends

PP

INTERIOR
EQUIPMENT

Clip remover	
Double-sided tape	
Protective Tape	to avoid surface damage



PP-64

PREPARATION – SLIDING ROOF

SLIDING ROOF

RECOMMENDED TOOLS

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

HINT:
Torx is a registered trademark of Textron Inc.

EQUIPMENT

Torque wrench	
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