



# 2AZ-FE ENGINE CONTROL SYSTEM

## RECOMMENDED TOOLS

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



# EQUIPMENT

Ohmmeter	
Radiator cap tester	
Service Wire Harness	
Torque wrench	



# 2GR-FE ENGINE CONTROL SYSTEM

## RECOMMENDED TOOLS

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




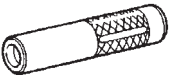
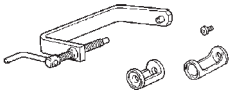
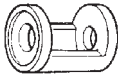


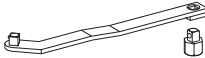


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## EQUIPMENT




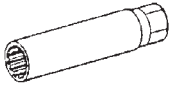



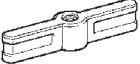
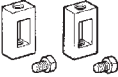
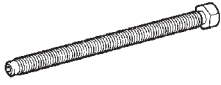


Ohmmeter	
Radiator cap tester	
Service Wire Harness	
Torque wrench	



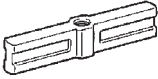







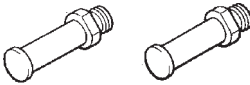
# 2AZ-FE ENGINE MECHANICAL

## SST

	09032-00100	Oil Pan Seal Cutter	
	09201-10000	Valve Guide Bushing Remover & Replacer Set	
	(09201-01050)	Valve Guide Bushing Remover & Replacer 5	
	09201-41020	Valve Stem Oil Seal Replacer	
	09202-70020	Valve Spring Compressor	
	(09202-00010)	Attachment	
	09213-54015	Crankshaft Pulley Holding Tool	
	(91651-60855)	Bolt	
	09216-42010	Belt Tension Wrench Set	
	09223-15030	Oil Seal & Bearing Replacer	
	09223-22010	Crankshaft Front Oil Seal Replacer	

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	09228-06501	Oil Filter Wrench	
	09309-37010	Transmission Bearing Replacer	
	09330-00021	Companion Flange Holding Tool	
	09817-33190	Sensor Socket Wrench	
	09843-18030	Tacho-pulse Pickup Wire No.2	
	09843-18040	Diagnosis Check Wire No.2	
	09950-40011	Puller B Set	
	(09951-04010)	Hanger 150	
	(09952-04010)	Slide Arm	
	(09953-04030)	Center Bolt 200	
	(09954-04010)	Arm 25	
	(09955-04041)	Claw No.4	

	(09957-04010)	Attachment	
	(91111-51014)	Bolt	
	09950-50013	Puller C Set	
	(09951-05010)	Hanger 150	
	(09952-05010)	Slide Arm	
	(09953-05020)	Center Bolt 150	
	(09954-05021)	Claw No.2	
	09950-70010	Handle Set	
	(09951-07100)	Handle 100	
	09960-10010	Variable Pin Wrench Set	
	(09962-01000)	Variable Pin Wrench Arm Assembly	
	(09963-01000)	Pin 10	

**SSM**

Toyota Genuine Seal Packing Black, Three Bond 1207B or Equivalent
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Toyota Genuine Seal Packing 1282B, Three Bond 1282B or Equivalent
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

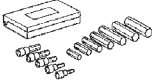
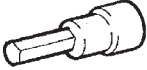
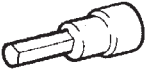
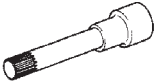


Toyota Genuine Adhesive 1324, Three Bond 1324 or Equivalent
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Toyota Genuine Adhesive 1344, Three Bond 1344 or Equivalent
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# RECOMMENDED TOOLS

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	<p>09011-12301</p>	<p>Socket Wrench 30 mm</p>	
	<p>09031-00040</p>	<p>Pin Punch</p>	
	<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>09043-50100</p>	<p>Bi-hexagon Wrench 10 mm</p>	
	<p>09090-04020</p>	<p>Engine Sling Device</p>	
	<p>09200-00010</p>	<p>Engine Adjust Kit</p>	

# EQUIPMENT


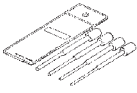

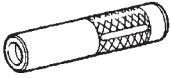
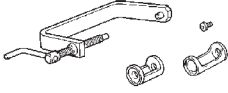
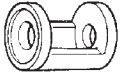



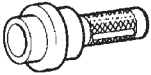

Abrasive compound	Valve
Brush	Piston
Caliper gauge	
Carbide cutter	
CO/HC meter	
Compression gauge	
Connecting rod aligner	
Cylinder gauge	
Dial indicator	
Dye penetrant	
Engine tune-up tester	
Groove cleaning tool	Piston ring groove
Heater	
Hexagon wrench (1.5 mm)	Timing belt tensioner
Micrometer	
Pin hole grinder	Connecting rod bushing
Piston ring compressor	
Piston ring expander	
Plastigage	
Precision straight edge	
Press	
Reamer	Cylinder
Ridge reamer	Cylinder
Soft brush	Cylinder head Cylinder block
Solvent	
Spring tester	Valve spring
Steel square	Valve spring
Thermometer	
Torque wrench	
Torx socket wrench	
Valve seat cutter	
Valve guide bushing brush	
V-block	
Vernier calipers	
Wire brush	Valve Cylinder head


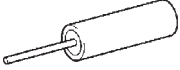
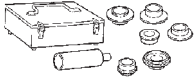


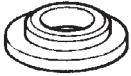



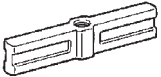


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**HINT:**  
Torx is registered trademark of Textron Inc.





# 2GR-FE ENGINE MECHANICAL

## SST


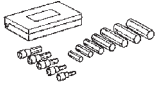

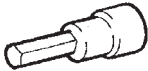
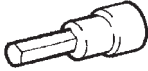
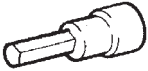
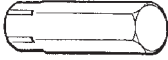

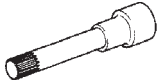


	09032-00100	Oil Pan Seal Cutter	
	09201-10000	Valve Guide Bushing Remover & Replacer Set	
	(09201-01050)	Valve Guide Bushing Remover & Replacer 5	
	09201-41020	Valve Stem Oil Seal Replacer	
	09202-70020	Valve Spring Compressor	
	(09202-00010)	Attachment	
	09213-70011	Crankshaft Pulley Holding Tool	
	(09213-70020)	Bolt	
	09223-15030	Oil Seal & Bearing Replacer	
	09223-22010	Crankshaft Front Oil Seal Replacer	
	09228-06501	Oil Filter Wrench	

	<p>09249-63010</p>	<p>Torque Wrench Adaptor</p>	
	<p>09276-75010</p>	<p>Valve Lifter Tool</p>	
	<p>09316-60011</p>	<p>Transmission &amp; Transfer Bearing Replacer</p>	
	<p>(09316-00011)</p>	<p>Replacer Pipe</p>	
	<p>09330-00021</p>	<p>Companion Flange Holding Tool</p>	
	<p>09506-35010</p>	<p>Differential Drive Pinion Rear Bearing Replacer</p>	
	<p>09843-18030</p>	<p>Tacho-pulse Pickup Wire No.2</p>	
	<p>09843-18040</p>	<p>Diagnosis Check Wire No.2</p>	
	<p>09950-50013</p>	<p>Puller C Set</p>	
	<p>(09951-05010)</p>	<p>Hanger 150</p>	
	<p>(09952-05010)</p>	<p>Slide Arm</p>	
	<p>(09953-05020)</p>	<p>Center Bolt 150</p>	

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	(09954-05021)	Claw No.2	
	09950-70010	Handle Set	
	(09951-07100)	Handle 100	
	(09951-07150)	Handle 150	

## RECOMMENDED TOOLS

	09011-12301	Socket Wrench 30 mm	
	09040-00011	Hexagon Wrench Set	
	(09043-20050)	Socket Hexagon Wrench 5	
	(09043-20060)	Socket Hexagon Wrench 6	
	(09043-20080)	Socket Hexagon Wrench 8	
	(09043-20100)	Socket Hexagon Wrench 10	
	(09043-30140)	Straight Hexagon Wrench 14	
	09043-30190	Straight Hexagon Wrench 19	
	09043-50100	Bi-hexagon Wrench 10 mm	
	09090-04020	Engine Sling Device	
	09200-00010	Engine Adjust Kit	

	(09857-00031)	Spark Plug Gap Gauge	
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# EQUIPMENT

Abrasive compound	
Brush	
Caliper gauge	
Carbide cutter (30°)	
Carbide cutter (45°)	
Carbide cutter (60°)	
Carbide cutter (75°)	
Connecting rod aligner	
Cylinder gauge	
Dial indicator	
Dye penetrant	
Engine tune-up tester	
Groove cleaning tool	
Heater	
Micrometer	
Piston ring compressor	
Piston ring expander	
Plastigage	
Precision straight edge	
Press	
Reamer (5.5 mm)	
Ridge reamer	
Soft brush	
Solvent	
Spring tester	
Steel square	
Thermometer	
Torque wrench	
Torx socket wrench	
Valve seat cutter	
Valve guide bushing brush	
V-block	
Vernier calipers	
Wire brush	
Bar	
Chain Block	
CO/HC meter	
Compression gauge	
Dial indicator with magnetic base	
Engine Sling Device	
Feeler gauge	
Radiator cap tester	
Slide calipers	
Tachometer	
Timing light	
Wooden block	
Deep socket wrench 24 mm	

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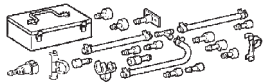
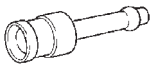









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**SSM**



Toyota Genuine Seal Packing Black, Three Bond 1207B or Equivalent
Toyota Genuine Seal Packing 1282B, Three Bond 1282B or Equivalent
Toyota Genuine Adhesive 1324, Three Bond 1324 or Equivalent
Toyota Genuine Adhesive 1344, Three Bond 1344 or Equivalent

# 2AZ-FE FUEL

## SST

	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	
	09842-30080	Wire H EFI Inspection	

# RECOMMENDED TOOLS

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

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## EQUIPMENT

Measuring Flask	
Ohmmeter	
Service Wire Harness	
Stopwatch	
Torque wrench	
Vernier calipers	

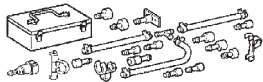



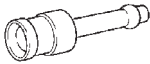






**SSM**

	08850-00065	Butyl Tape Set	
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# 2GR-FE FUEL

## SST

	09268-31011	Injection Measuring Tool Set	
	(09268-41500)	Fuel Tube Connector	
	(90467-13001)	Clip	
	(95336-08070)	Hose	
	09268-41140	Adapter	
	09268-41400	Clamp	
	09268-45014	EFI Fuel Pressure Gauge	
	(09268-41200)	Gauge	
	(09268-41220)	Hose	
	(09268-41250)	T Joint	
	09842-30080	Wire H EFI Inspection	

# RECOMMENDED TOOLS

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

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## EQUIPMENT

Measuring Flask	
Ohmmeter	
Service Wire Harness	
Stopwatch	
Torque wrench	
Vernier calipers	


**SSM**

	08850-00065	Butyl Tape Set	
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**PP**

## 2AZ-FE EMISSION CONTROL

### SST

	<p>09224-00010</p>	<p>O2 Sensor Wrench</p>	
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# RECOMMENDED TOOLS

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

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## EQUIPMENT

Intelligent vacuum pump	
Ohmmeter	
Service Wire Harness	
Torque wrench	
Vacuum gauge	



# 2GR-FE EMISSION CONTROL

## SST

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

## RECOMMENDED TOOLS

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

# EQUIPMENT

Intelligent vacuum pump	
Ohmmeter	
Service Wire Harness	
Torque wrench	
Vacuum gauge	





## 2AZ-FE INTAKE

### EQUIPMENT

Intelligent tester	
Ohmmeter	
Intelligent vacuum pump	

# 2GR-FE INTAKE

## EQUIPMENT

Intelligent tester	
Ohmmeter	
Intelligent vacuum pump	



## 2AZ-FE EXHAUST

### EQUIPMENT

Torque wrench	
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# 2GR-FE EXHAUST

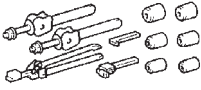
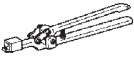





## EQUIPMENT

Torque wrench	
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# 2AZ-FE COOLING

## SST

	09230-01010	Radiator Service Tool Set	
	(09231-01010)	Overhaul Handle	
	(09231-01030)	Claw	
	09231-14010	Punch	
	09960-10010	Variable Pin Wrench Set	
	(09962-01000)	Variable Pin Wrench Arm Assembly	
	(09963-00700)	Pin 7	

# RECOMMENDED TOOLS

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

PP

## EQUIPMENT

Ohmmeter	
Radiator cap tester	
Thermometer	
Torque wrench	
Vernier calipers	

## COOLANT

Capacity	Classification
6.2 liters (6.6 US qts, 5.5 Imp. qts)	Use only "TOYOTA Super Long Life Coolant" or similar high quality ethylene glycol based non-silicate, non-amine, non-nitrite, 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).



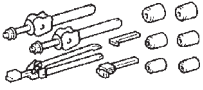
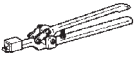





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## SSM



Toyota Genuine Seal Packing Black, Three Bond 1207B or Equivalent	
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# 2GR-FE COOLING

## SST

	09230-01010	Radiator Service Tool Set	
	(09231-01010)	Overhaul Handle	
	(09231-01030)	Claw	
	09231-14010	Punch	
	09960-10010	Variable Pin Wrench Set	
	(09962-01000)	Variable Pin Wrench Arm Assembly	
	(09963-00700)	Pin 7	

# RECOMMENDED TOOLS

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

PP

## EQUIPMENT

Ohmmeter	
Radiator cap tester	
Thermometer	
Torque wrench	
Vernier calipers	

## COOLANT

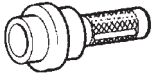

Capacity	Classification
9.0 liters (9.5 US qts, 7.9 Imp. qts)	Use only "TOYOTA Super Long Life Coolant" or similar high quality ethylene glycol based non-silicate, non-amine, non-nitrite, non-borate coolant with long-life hybrid organic acid technology (coolant with long-life hybrid organic acid technology consists of a combination of low phosphates and organic acids).

# SSM



Toyota Genuine Adhesive 1344, Three Bond 1344 or Equivalent	
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# 2AZ-FE LUBRICATION

## SST

	<p>09223-22010</p>	<p>Crankshaft Front Oil Seal Replacer</p>	
	<p>09228-06501</p>	<p>Oil Filter Wrench</p>	

## RECOMMENDED TOOLS

	09044-00020	Torx Socket E10	
	09200-00010	Engine Adjust Kit	

PP

**HINT:**

Torx is registered trademark of Textron Inc.



## EQUIPMENT

Precision straight edge	
Torque wrench	
Vernier calipers	
Deep socket wrench (24 mm)	
Socket wrench (27 mm)	
Oil pressure gauge	

## LUBRICANT

Item	Condition	Capacity	Classification
Oil grade	-	-	Use ILSAC multigrade engine oil. SAE 5W-20 and SAE 0W-20 engine oil may be used. However, SAE0W-20 is the best choice for good fuel economy and good starting in cold weather.
Drain and refill	with oil filter change	4.3 liters (4.5 US qts, 3.8 Imp. qts)	-
	without oil filter change	4.1 liters (4.3 US qts, 3.6 Imp. qts)	-
Dry fill	Dry fill	5.0 liters (5.3 US qts, 4.4 Imp. qts)	-

PP

## EQUIPMENT

Precision straight edge	
Torque wrench	
Vernier calipers	
Deep socket wrench (24 mm)	
Socket wrench (27 mm)	
Oil pressure gauge	

## LUBRICANT

Item	Condition	Capacity	Classification
Oil grade	-	-	Use ILSAC multigrade engine oil. SAE 5W-20 and SAE 0W-20 engine oil may be used. However, SAE0W-20 is the best choice for good fuel economy and good starting in cold weather.
Drain and refill	with oil filter change	4.3 liters (4.5 US qts, 3.8 Imp. qts)	-
	without oil filter change	4.1 liters (4.3 US qts, 3.6 Imp. qts)	-
Dry fill	Dry fill	5.0 liters (5.3 US qts, 4.4 Imp. qts)	-


PP

# SSM


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

# 2GR-FE LUBRICATION

## SST

	<p>09223-22010</p>	<p>Crankshaft Front Oil Seal Replacer</p>	
	<p>09228-06501</p>	<p>Oil Filter Wrench</p>	
	<p>09506-35010</p>	<p>Differential Drive Pinion Rear Bearing Replacer</p>	

**RECOMMENDED TOOLS**

	09200-00010	Engine Adjust Kit	
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## EQUIPMENT

Deep socket wrench (24 mm) -	
Hose	
Oil pressure gauge	
Socket wrench (27 mm)	
Precision straight edge	
Torque wrench	



## LUBRICANT

Item	Condition	Capacity	Classification
Oil grade	-	-	Use ILSAC multigrade engine oil. SAE 5W-30 engine oil may be used. However, SAE 5W-30 is the best choice for good fuel economy and good starting in cold weather.
Drain and refill	with oil filter change	6.1 liters (6.4 US qts, 5.4 Imp. qts)	-
	without oil filter change	5.7 liters (6.0 US qts, 5.0 Imp. qts)	-
Dry fill	Dry fill	6.5 liters (6.9 US qts, 5.7 Imp. qts)	-



PP

# SSM

Toyota Genuine Adhesive 1344, Three Bond 1344 or Equivalent	
Toyota Genuine Seal Packing Block, Three Bond 1207B or Equivalent	
Toyota Genuine Seal Packing 1282B, Three Bond 1282B or Equivalent	

## 2AZ-FE IGNITION

### RECOMMENDED TOOLS

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

# EQUIPMENT



Spark plug cleaner	
Torque wrench	



# 2GR-FE IGNITION

## RECOMMENDED TOOLS

PP



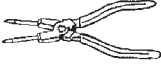
	09082-00040	TOYOTA Electrical Tester	
	(09083-00150)	Test Lead Set	

## EQUIPMENT

Spark plug cleaner	
Torque wrench	

# 2AZ-FE STARTING

## RECOMMENDED TOOLS

	<p>09082-00040</p>	<p>TOYOTA Electrical Tester</p>	
	<p>(09083-00150)</p>	<p>Test Lead Set</p>	
	<p>09905-00013</p>	<p>Snap Ring Pliers</p>	

# EQUIPMENT

Torque wrench	
Service Wire Harness	
Vernier calipers	
Sandpaper (#400)	








# 2GR-FE STARTING

## RECOMMENDED TOOLS

PP

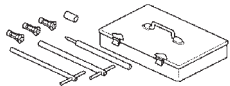

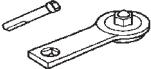

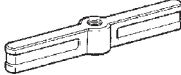
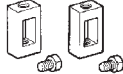




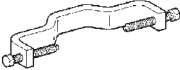
	09082-00040	TOYOTA Electrical Tester	
	(09083-00150)	Test Lead Set	
	09905-00013	Snap Ring Pliers	

## EQUIPMENT

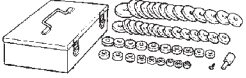



Torque wrench	
Service Wire Harness	
Vernier calipers	
Sandpaper (#400)	

# 2AZ-FE CHARGING



## SST

	09612-70100	Power Steering Oil Seal Remover Set	
	(09612-07240)	Collar	
	09820-63020	Alternator Pulley Wrench Set	
	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	
	(09958-04011)	Holder	

PP

	09950-60010	Replacer Set	
	(09951-00250)	Replacer 25	
	09950-70010	Handle Set	
	(09951-07100)	Handle 100	

## RECOMMENDED TOOLS

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

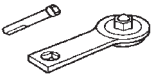

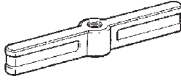
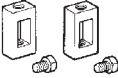
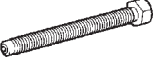



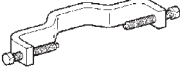
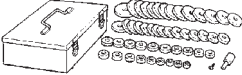

**EQUIPMENT**

Torque wrench	
Vernier calipers	
Pin ( $\phi$ 1 mm)	






# 2GR-FE CHARGING

## SST

	09820-63020	Alternator Pulley Wrench Set	
	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	
	(09958-04011)	Holder	
	09950-60010	Replacer Set	
	(09951-00250)	Replacer 25	



PP

	(09951-00470)	Replacer 47	
	09950-70010	Handle Set	
	(09951-07100)	Handle 100	

PP



## RECOMMENDED TOOLS

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






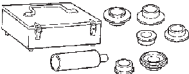





# EQUIPMENT

Torque wrench	
Vernier calipers	
Pin ( $\phi$ 1 mm)	


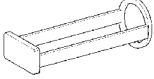

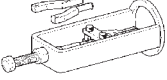

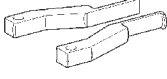

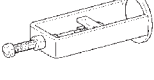








# U250E AUTOMATIC TRANSAXLE

## SST








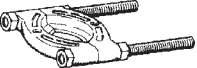


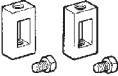

	09023-12701	Union Nut Wrench 17mm	
	09223-15030	Oil Seal & Bearing Replacer	
	09308-00010	Oil Seal Puller	
	09316-12010	Transfer Bearing Replacer	
	09316-20011	Transfer Bearing Replacer	
	09316-60011	Transmission & Transfer Bearing Replacer	
	(09316-00011)	Replacer Pipe	
	09350-32014	TOYOTA Automatic Transmission Tool Set	
	(09351-32010)	One-way Clutch Test Tool	
	(09351-32020)	Stator Stopper	
	(09351-32070)	No.2 Piston Spring Compressor	

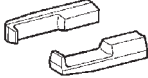



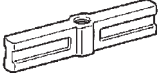



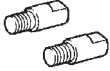
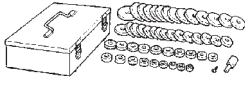


PP

	(09351-32140)	Oil Seal Replacer	
	09387-00020	Direct Clutch Wrench	
	09387-00030	Counter Drive Gear Holding Tool	
	09387-00041	Bearing Puller Assembly	
	(09387-01010)	Claw No.1	
	(09387-01021)	Claw No.2	
	(09387-01030)	Pin	
	(09387-01040)	Bearing Puller Body	
	09387-00050	Under Drive Gear Puller	
	09387-00060	Second Brake Wrench	
	09387-00070	First & Reverse Brake Wrench	
	09387-00080	Counter Drive Gear Nut Wrench	








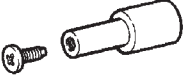




	09495-65040	Axle Hub Oil Seal Replacer	
	09502-24010	Bearing Replacer	
	09515-21010	Rear Axle Shaft Bearing Replacer	
	09523-36010	Rear Axle Hub Guide Tool	
	09527-17011	Rear Axle Shaft Bearing Remover	
	09550-60010	Differential Side Bearing Replacer	
	(09951-00480)	Replacer 48	
	(09951-00790)	Replacer 79	
	09564-32011	Differential Preload Adaptor	
	09608-10010	Steering Knuckle Oil Seal Replacer	
	09608-32010	Steering Knuckle Oil Seal Replacer	
	09649-17010	Steering Knuckle Tool	

PP


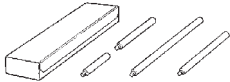





	09710-04081	Base	
	09726-36010	Lower Control Arm Bushing Replacer	
	09726-40010	Lower Control Shaft Bearing Replacer	
	09820-00031	Alternator Rotor Rear Bearing Replacer	
	09930-00010	Drive Shaft Nut Chisel	
	(09931-00010)	Handle	
	(09931-00020)	Nut Chisel	
	09950-00020	Bearing Remover	
	09950-00030	Bearing Remover Attachment	
	09950-40011	Puller B Set	
	(09952-04010)	Slide Arm	
	(09954-04010)	Arm 25	

	(09955-04061)	Claw No.6	
	(09957-04010)	Attachment	
	(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	
	(09955-05010)	Adapter No.1	
	09950-60010	Replacer Set	
	(09951-00230)	Replacer 23	
	(09951-00260)	Replacer 26	

PP

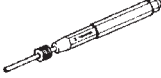
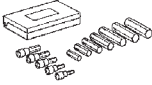
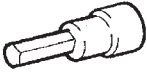
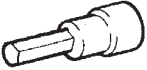
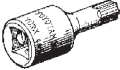
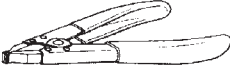



	(09951-00320)	Replacer 32	
	(09951-00360)	Replacer 36	
	(09951-00450)	Replacer 45	
	(09951-00480)	Replacer 48	
	(09951-00500)	Replacer 50	
	(09951-00590)	Replacer 59	
	(09951-00630)	Replacer 63	
	(09952-06010)	Adapter	
	09950-60020	Replacer Set No.2	
	(09951-00720)	Replacer 72	
	(09951-00750)	Replacer 75	
	(09951-00810)	Replacer 81	



	(09951-00890)	Replacer 89	
	09950-70010	Handle Set	
	(09951-00710)	Replacer 71	
	(09951-00780)	Replacer 78	
	(09951-07100)	Handle 100	
	(09951-07150)	Handle 150	
	(09951-07200)	Handle 200	

# RECOMMENDED TOOLS

PP

	<p>09031-00030</p>	<p>Pin Punch</p>	
	<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>09042-00010</p>	<p>Torx Socket T30</p>	
	<p>09905-00012</p>	<p>Snap Ring No.1 Expander</p>	
	<p>09905-00013</p>	<p>Snap Ring Pliers</p>	
	<p>(09904-00090)</p>	<p>Claw Set</p>	
	<p>09924-12411</p>	<p>Deep Socket Wrench 41</p>	

**HINT:**

Torx is registered trademark of Textron Inc.

## EQUIPMENT

Dial indicator with magnetic base	
Feeler gauge	
Vernier calipers	
Torque wrench	
Plastic hammer	
Straight edge	
Press	
Punch	

# LUBRICANT

Automatic transaxle fluid		
Dry fill	8.0 liter (8.5 USqts, 7.0 Imp.qts)	ATF WS
Drain and refill	3.5 liter (3.7 USqts, 3.1 Imp.qts)	



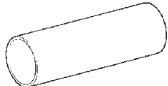

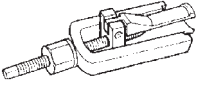

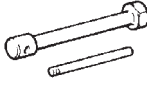


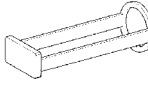



## SSM

Toyota Genuine Seal Packing 1281, Three Bond 1281 or Equivalent	
Toyota Genuine Adhesive 1324, Three Bond 1324 or Equivalent	
Toyota Genuine Adhesive 1344, Three Bond 1344 or Equivalent	

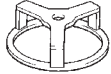
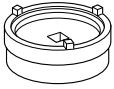
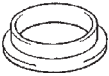

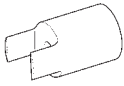


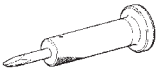
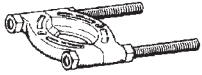



# U660E AUTOMATIC TRANSAXLE

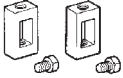




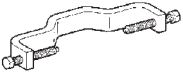
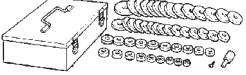





## SST

	09223-15030	Oil Seal & Bearing Replacer	
	09308-00010	Oil Seal Puller	
	09308-14010	Replacer Pipe A	
	09316-10010	Remover & Replacer	
	09319-60020	Output Shaft Needle Roller Bearing Remover	
	09350-32014	TOYOTA Automatic Transmission Tool Set	
	(09351-32010)	One-way Clutch Test Tool	
	(09351-32020)	Stator Stopper	
	(09351-32140)	Oil Seal Replacer	
	09387-00020	Direct Clutch Wrench	
	09387-00060	Second Brake Wrench	

PP













PP




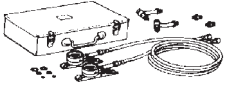


	09387-00070	First & Reverse Brake Wrench	
	09387-00130	Counter Drive Gear Nut Wrench	
	09495-65040	Axle Hub Oil Seal Replacer	
	09527-17011	Rear Axle Shaft Bearing Remover	
	09564-33010	Drive Pinion Lock Nut Socket	
	09710-04081	Base	
	09843-18040	Diagnosis Check Wire No.2	
	09930-00010	Drive Shaft Nut Chisel	
	09950-00020	Bearing Remover	
	09950-00030	Bearing Remover Attachment	
	09950-40011	Puller B Set	
	(09951-04010)	Hanger 150	

	(09952-04010)	Slide Arm	
	(09953-04020)	Center Bolt 150	
	(09954-04010)	Arm 25	
	(09955-04071)	Claw No.7	
	(09957-04010)	Attachment	
	(09958-04011)	Holder	
	09950-60010	Replacer Set	
	(09951-00220)	Replacer 22	
	(09951-00230)	Replacer 23	
	(09951-00320)	Replacer 32	
	(09951-00400)	Replacer 40	
	(09951-00420)	Replacer 42	



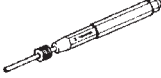
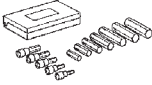
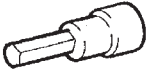
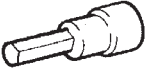
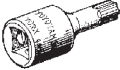
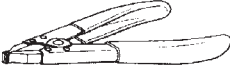



PP

	(09951-00480)	Replacer 48	
	(09951-00530)	Replacer 53	
	(09951-00540)	Replacer 54	
	(09951-00580)	Replacer 58	
	(09951-00650)	Replacer 65	
	09950-60020	Replacer Set No.2	
	(09951-00710)	Replacer 71	
	(09951-00790)	Replacer 79	
	(09951-00810)	Replacer 81	
	(09951-01030)	Replacer 103	
	09950-70010	Handle Set	
	(09951-07100)	Handle 100	

	(09951-07150)	Handle 150	
	(09951-07200)	Handle 200	
	09951-01100	Replacer 110	
	09992-00095	Automatic Transmission Oil Pressure Gauge Set	
	(09992-00231)	Adaptor C	
	(09992-00271)	Gauge Assy	

# RECOMMENDED TOOLS

PP

	<p>09031-00030</p>	<p>Pin Punch</p>	
	<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>09042-00010</p>	<p>Torx Socket T30</p>	
	<p>09905-00012</p>	<p>Snap Ring No.1 Expander</p>	
	<p>09905-00013</p>	<p>Snap Ring Pliers</p>	
	<p>(09904-00090)</p>	<p>Claw Set</p>	
	<p>09924-12411</p>	<p>Deep Socket Wrench 41</p>	

**HINT:**

Torx is registered trademark of Textron Inc.

## EQUIPMENT

Dial indicator with magnetic base	
Feeler gauge	
Vernier calipers	
Torque wrench	
Plastic hammer	
Straight edge	
Press	
Punch	

# LUBRICANT

Automatic transaxle fluid		
Dry fill	6.57 liter (6.94 USqts, 5.78 Imp.qts)	ATF WS


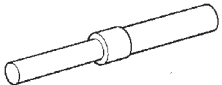
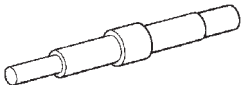



# SSM

Toyota Genuine Seal Packing 1281, Three Bond 1281 or Equivalent	
Toyota Genuine Adhesive 1324, Three Bond 1324 or Equivalent	
Toyota Genuine Adhesive 1344, Three Bond 1344 or Equivalent	

# CLUTCH

## SST

	<p>09023-00101</p>	<p>Union Nut Wrench 10 mm</p>	
	<p>09301-00210</p>	<p>Clutch Guide Tool</p>	
	<p>09301-00220</p>	<p>Clutch Guide Tool</p>	
	<p>09333-00013</p>	<p>Universal Joint Bearing Remover &amp; Replacer</p>	

PP

# EQUIPMENT

Vernier calipers	
Dial indicator with magnetic base	
Torque wrench	



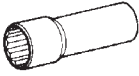
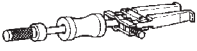
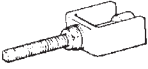

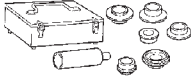


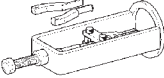

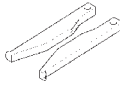





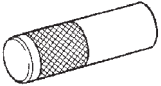




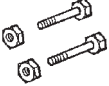

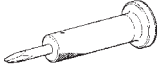
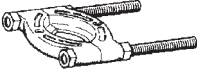

## LUBRICANT

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

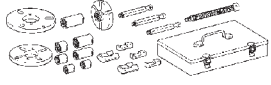








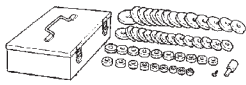


# E351 MANUAL TRANSAXLE









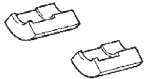
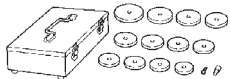


## SST

	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	
	(09316-00041)	Replacer C	
	09387-00041	Bearing Puller Assembly	
	(09387-02010)	Oil Seal Replacer	
	(09387-02020)	One-way Clutch Test Tool Set	
	09506-30012	Differential Drive Pinion Rear Bearing Cone Replacer	








	<p>09564-32011</p>	<p>Differential Preload Adaptor</p>	
	<p>09608-00071</p>	<p>Drive Pinion Rear Bearing Cone Replacer</p>	
	<p>09608-06041</p>	<p>Front Hub Inner Bearing Cone Replacer</p>	
	<p>09608-10010</p>	<p>Steering Knuckle Oil Seal Replacer</p>	
	<p>09608-32010</p>	<p>Steering Knuckle Oil Seal Replacer</p>	
	<p>09612-65014</p>	<p>Steering Worm Bearing Puller</p>	
	<p>(09612-01040)</p>	<p>Claw D</p>	
	<p>(09612-01050)</p>	<p>Hanger Pin with Nut</p>	
	<p>09631-12090</p>	<p>Seal Ring Tool</p>	
	<p>09930-00010</p>	<p>Drive Shaft Nut Chisel</p>	
	<p>09950-00020</p>	<p>Bearing Remover</p>	
	<p>09950-00030</p>	<p>Bearing Remover Attachment</p>	

PP


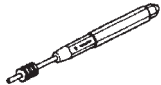
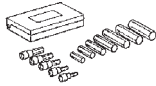
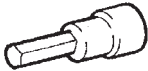

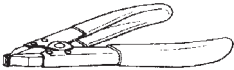
	<p>09950-30012</p>	<p>Puller A Set</p>	
	<p>(09951-03010)</p>	<p>Upper Plate</p>	
	<p>(09953-03010)</p>	<p>Center Bolt</p>	
	<p>(09954-03010)</p>	<p>Arm</p>	
	<p>(09957-04010)</p>	<p>Attachment</p>	
	<p>09950-40011</p>	<p>Puller B Set</p>	
	<p>(09957-04010)</p>	<p>Attachment</p>	
	<p>09950-50013</p>	<p>Puller C Set</p>	
	<p>(09957-04010)</p>	<p>Attachment</p>	
	<p>09950-60010</p>	<p>Replacer Set</p>	
	<p>(09951-00180)</p>	<p>Replacer 18</p>	
	<p>(09951-00280)</p>	<p>Replacer 28</p>	

	(09951-00320)	Replacer 32	
	(09951-00420)	Replacer 42	
	(09951-00430)	Replacer 43	
	(09951-00490)	Replacer 49	
	(09951-00560)	Replacer 56	
	(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	

PP

	(09951-00790)	Replacer 79	
	(09951-00890)	Replacer 89	
	(09951-00910)	Replacer 91	
	09950-70010	Handle Set	
	(09951-07100)	Handle 100	
	(09951-07150)	Handle 150	
	(09951-07200)	Handle 200	

## 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

**HINT:**  
Torx is registered trademark of Textron Inc.

## 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

**SSM**

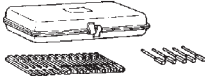

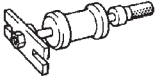
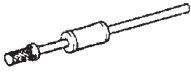
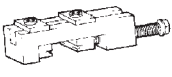

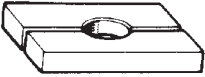
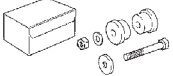



Toyota Genuine Seal Packing 1281, Three Bond 1281 or equivalent	
Toyota Genuine Adhesive 1344, Three Bond 1344 or equivalent	


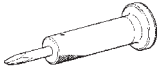
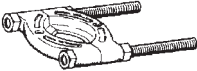


# DRIVE SHAFT



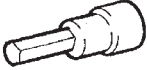
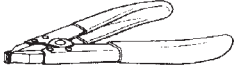
## SST

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	
	09527-30010	Rear Axle Shaft Bearing Remover	
	09608-16042	Front Hub Bearing Adjusting Tool	
	(09608-02021)	Bolt & Nut	
	(09608-02041)	Retainer	
	09628-00011	Ball Joint Puller	

	<p>09726-40010</p>	<p>Lower Control Shaft Bearing Replacer</p>	
	<p>09930-00010</p>	<p>Drive Shaft Nut Chisel</p>	
	<p>09950-00020</p>	<p>Bearing Remover</p>	

**RECOMMENDED TOOLS**

	<p>09011-12301</p>	<p>Socket Wrench 30 mm</p>	
	<p>09040-00011</p>	<p>Hexagon Wrench Set</p>	
	<p>(09043-20060)</p>	<p>Socket Hexagon Wrench 6</p>	
	<p>09905-00012</p>	<p>Snap Ring No.1 Expander</p>	

PP

## EQUIPMENT

Torque wrench	
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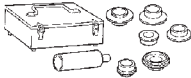


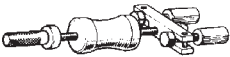




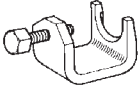
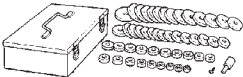

**LUBRICANT**

Item		Capacity
2GR-FE	Outboard joint grease	164 to 184 g (5.8 to 6.5 oz.)
2AZ-FE (for TMC made)	Outboard joint grease	190 to 200 g (6.7 to 7.1 oz.)
2AZ-FE (for TMMK made)	Outboard joint grease	100 to 120 g (3.5 to 4.2 oz.)
2GR-FE	Inboard joint grease	155 to 175 g (5.5 to 6.2 oz.)
2AZ-FE (for TMC made)	Inboard joint grease	175 to 185 g (6.2 to 6.5 oz.)
2AZ-FE (for TMMK made)	Inboard joint grease	170 to 190 g (6.0 to 6.7 oz.)



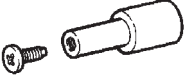




# AXLE

## SST


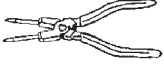
PP

	<p>09316-60011</p>	<p>Transmission &amp; Transfer Bearing Replacer</p>	
	<p>(09316-00011)</p>	<p>Replacer Pipe</p>	
	<p>(09316-00031)</p>	<p>Replacer B</p>	
	<p>09520-00031</p>	<p>Rear Axle Shaft Puller</p>	
	<p>09527-17011</p>	<p>Rear Axle Shaft Bearing Remover</p>	
	<p>09527-20011</p>	<p>Rear Axle Shaft Bearing Remover</p>	
	<p>09555-55010</p>	<p>Differential Drive Pinion Bearing Replacer</p>	
	<p>09608-32010</p>	<p>Steering Knuckle Oil Seal Replacer</p>	
	<p>09628-10011</p>	<p>Ball Joint Puller</p>	
	<p>09950-60010</p>	<p>Replacer Set</p>	
	<p>(09951-00400)</p>	<p>Replacer 40</p>	



	(09951-00430)	Replacer 43	
	(09951-00600)	Replacer 60	
	(09952-06010)	Adapter	
	09950-60020	Replacer Set No.2	
	(09951-00810)	Replacer 81	
	09950-70010	Handle Set	
	(09951-07100)	Handle 100	

## RECOMMENDED TOOLS

	09011-12301	Socket Wrench 30 mm	
	09905-00013	Snap Ring Pliers	

PP

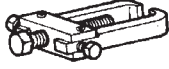
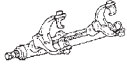
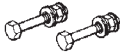
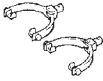
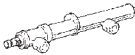
## EQUIPMENT

Torque wrench	
Dial indicator with magnetic base	


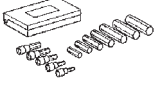
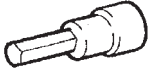
# SUSPENSION

## SST

PP

	<p>09628-62011</p>	<p>Bolt Joint Puller</p>	
	<p>09727-30021</p>	<p>Coil Spring Compressor</p>	
	<p>(09727-00010)</p>	<p>Bolt Set</p>	
	<p>(09727-00021)</p>	<p>Arm Set</p>	
	<p>(09727-00031)</p>	<p>Compressor</p>	

## RECOMMENDED TOOLS

	<p>09011-12301</p>	<p>Socket Wrench 30 mm</p>	
	<p>09040-00011</p>	<p>Hexagon Wrench Set</p>	
	<p>(09043-20050)</p>	<p>Socket Hexagon Wrench 5</p>	
	<p>(09043-20060)</p>	<p>Socket Hexagon Wrench 6</p>	
	<p>09050-00032</p>	<p>Air Drill</p>	

# EQUIPMENT



Torque wrench	
Dial indicator with magnetic base	
Tire pressure gauge	
Alignment tester	
Toe-in gauge	
Angle gauge	
Slide Calipers	
Wooden block	
Camber-caster-kingpin gauge	
Drill (Safety equipment: protective goggles, etc.)	Shock absorber disposal

PP

# TIRE AND WHEEL

## RECOMMENDED TOOLS

PP

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



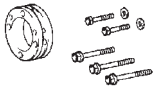
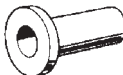




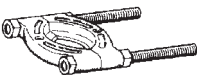
## EQUIPMENT

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



# BRAKE CONTROL

## SST

	09023-00101	Union Nut Wrench 10 mm	
	09023-38200	Union Nut Wrench 12mm	
	09213-58013	Crankshaft Pulley Holding Tool	
	09309-36010	Transmission Rear Bearing Replacer	
	09520-00031	Rear Axle Shaft Puller	
	(09520-00040)	Shocker	
	(09521-00010)	Rod with Grip	
	09521-00020	Drive Shaft Boot Clamping Tool	
	09950-00020	Bearing Remover	

**EQUIPMENT**

Torque wrench	
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
## LUBRICANT

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

# BRAKE

## SST

PP

	<p>09023-00101</p>	<p>Union Nut Wrench 10 mm</p>	
	<p>09023-38200</p>	<p>Union Nut Wrench 12mm</p>	
	<p>09330-00021</p>	<p>Companion Flange Holding Tool</p>	
	<p>09737-00020</p>	<p>Brake Booster Push Rod Wrench</p>	

## EQUIPMENT

Ruler	
Micrometer	
Dial indicator with magnetic base	
Torque wrench	

# LUBRICANT

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



# PARKING BRAKE

## EQUIPMENT

Torque wrench	
Slide calipers	
Brake drum gauge	
Feeler gauge	

**SSM**


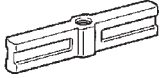



Toyota Genuine Adhesive 1344, Three Bond 1344 or equivalent	
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# STEERING COLUMN

## SST

PP

	<p>09950-50013</p>	<p>Puller C Set</p>	
	<p>(09951-05010)</p>	<p>Hanger 150</p>	
	<p>(09952-05010)</p>	<p>Slide Arm</p>	
	<p>(09953-05020)</p>	<p>Center Bolt 150</p>	
	<p>(09954-05031)</p>	<p>Claw No.3</p>	

## RECOMMENDED TOOLS




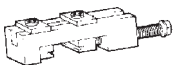

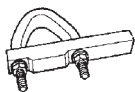
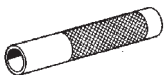
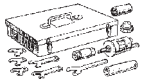
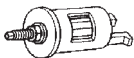
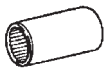

	<p>09082-00040</p>	<p>TOYOTA Electrical Tester</p>	
	<p>(09083-00150)</p>	<p>Test Lead Set</p>	

**EQUIPMENT**


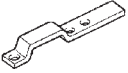




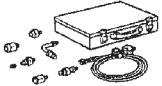


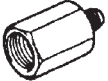
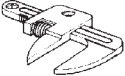
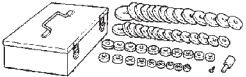
Torque wrench	
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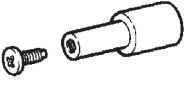



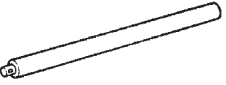
# POWER STEERING

## SST

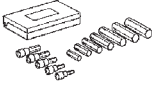

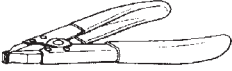
	09023-12701	Union Nut Wrench 17mm	
	09023-38201	Union Nut Wrench 12mm	
	09249-63010	Torque Wrench Adaptor	
	09521-24010	Rear Axle Shaft Puller	
	09527-21011	Rear Axle Shaft Bearing Remover	
	09612-00012	Rack & Pinion Steering Rack Housing Stand	
	09612-22011	Tilt Handle Bearing Replacer	
	09612-24014	Steering Gear Housing Overhaul Tool Set	
	(09613-22011)	Steering Rack Shaft Bushing Puller	
	09616-00011	Steering Worm Bearing Adjusting Socket	
	09628-00011	Ball Joint Puller	

PP

	<p>09630-00014</p>	<p>Power Steering Gear Housing Overhaul Tool Set</p>	
	<p>(09631-00132)</p>	<p>Vane Pump Bracket</p>	
	<p>09631-00200</p>	<p>Rack Seal Gulde NO.2</p>	
	<p>09631-12071</p>	<p>Steering Rack Oil Seal Test Tool</p>	
	<p>(09633-00010)</p>	<p>Packing</p>	
	<p>09631-33010</p>	<p>Steering Rack Cover I</p>	
	<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>	

	(09951-00180)	Replacer 18	
	(09951-00250)	Replacer 25	
	(09951-00280)	Replacer 28	
	(09951-00290)	Replacer 29	
	(09951-00320)	Replacer 32	
	(09951-00340)	Replacer 34	
	(09951-00400)	Replacer 40	
	(09952-06010)	Adapter	
	09950-70010	Handle Set	
	(09951-07100)	Handle 100	
	(09951-07150)	Handle 150	
	(09951-07360)	Handle 360	

# RECOMMENDED TOOLS

	09040-00011	Hexagon Wrench Set	
	(09043-30240)	Straight Hexagon Wrench 24	
	09905-00012	Snap Ring No.1 Expander	

PP

**EQUIPMENT**

Torque wrench	
Vernier calipers	
Dial indicator	
Feeler gauge	
Micrometer	
V-block	



## LUBRICANT










Item	Capacity	Classification
Power steering fluid (Total)	1.0 liters (1.1 US qts, 0.9 Imp. qts)	ATF DEXRON II or III or equivalent

## SSM

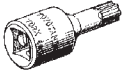




TOYOTA genuine adhesive 1344, THREE BOND 1344, or equivalent	
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# AIR CONDITIONING

## 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	

# RECOMMENDED TOOLS

	<p>09042-00020</p>	<p>TORX Socket T40</p>	
	<p>09082-00040</p>	<p>TOYOTA Electrical Tester</p>	
	<p>(09083-00150)</p>	<p>Test Lead Set</p>	
	<p>09904-00010</p>	<p>Expander Set</p>	
	<p>(09904-00050)</p>	<p>No. 4 Claw</p>	

HINT:  
 TORX is a registered trademark of Textron Inc.

PP

## EQUIPMENT

Vinyl tape	
Hexagon wrench 4mm	
Hexagon wrench 12 mm	
Gas leak detector	
Dial indicator with magnetic base	
Torque wrench	

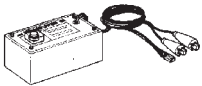
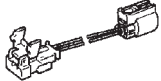



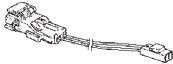



# LUBRICANT

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

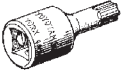


# SUPPLEMENTAL RESTRAINT SYSTEM

## 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	
	09843-18060	SRS Check Wire	

## RECOMMENDED TOOLS

	09042-00010	Torx Socket T30	
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**HINT:**

Torx is a registered trademark of Textron Inc.






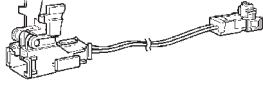
# EQUIPMENT

Torque wrench	
Feeler gauge	
Battery	
Tape	
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
Wire harness	Airbag disposal
Plastic bag	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



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**EQUIPMENT**

Torque wrench	
Protective tape	

# THEFT DETERRENT SYSTEM

## RECOMMENDED TOOLS

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


PP

## EQUIPMENT



Torque wrench	
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# ENGINE IMMOBILISER

## SST

	<p>09843-18040</p>	<p>Diagnosis Check Wire No.2</p>	
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# 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	

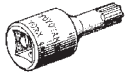


PP

## EQUIPMENT

Torque wrench	
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# 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>	

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**EQUIPMENT**



Clip remover	
Torque wrench	
Tire pressure gage	
White paper	



# WIPER AND WASHER

## RECOMMENDED TOOLS

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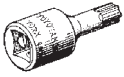


	09082-00040	TOYOTA Electrical Tester	
	(09083-00150)	Test Lead Set	

## EQUIPMENT

Protective tape	
Torque wrench	
Wire brush	
MP grease	

# 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>	

PP

**HINT:**

Torx is a registered trademark of Textron Inc.

# EQUIPMENT



MP grease	
Protective tape	
Torque wrench	





# METER

## RECOMMENDED TOOLS

	09082-00050	TOYOTA Electrical Tester Set	
	(09083-00150)	Test Lead Set	



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## EQUIPMENT

Torque wrench	
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# AUDIO / VISUAL

## RECOMMENDED TOOLS

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

# EQUIPMENT



Torque wrench	
Double-sided tape	
Tape	



# NAVIGATION



## RECOMMENDED TOOLS

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

# HORN

## RECOMMENDED TOOLS

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


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**EQUIPMENT**

Torque wrench	
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# GARAGE DOOR OPENER

## RECOMMENDED TOOLS



	09070-20010	Moulding Remover	
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PP



# OTHER SYSTEM



## RECOMMENDED TOOLS

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

PP

# WINDSHIELD / WINDOWGLASS

## RECOMMENDED TOOLS

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

PP

# EQUIPMENT

Torque wrench	
Protective Tape	
Knife	
Suction cup	
Piano wire	
Wooden block or similar object	
Plastic sheet	
Scraper	
Brush or sponge	
Sealer gun	





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**SSM**

Toyota Genuine Windshield Glass Adhesive or Equivalent	
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# MIRROR

## RECOMMENDED TOOLS

	09042-00030	TORX Socket T20	
	09070-20010	Moulding Remover	
	09082-00040	TOYOTA Electrical Tester	
	(09083-00150)	Test Lead Set	

PP

**HINT:**

TORX is a registered trademark of Textron Inc.


**EQUIPMENT**

Torque wrench	
Protective tape	



# INSTRUMENT PANEL

## RECOMMENDED TOOLS

	09070-20010	Moulding Remover	
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## EQUIPMENT

Torque wrench	
Tape	To avoid surface damage



# SEAT

## RECOMMENDED TOOLS

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



# EQUIPMENT

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



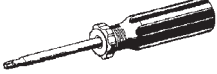
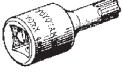
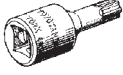
# ENGINE HOOD / DOOR

## SST

	09804-24010	Luggage Compartment Door Torsion Bar Tool	
	09812-00010	Door Hinge Set Bolt Wrench	

PP

## RECOMMENDED TOOLS

	<p>09041-00020</p>	<p>TORX Driver T25</p>	
	<p>09042-00010</p>	<p>TORX Socket T30</p>	
	<p>09042-00020</p>	<p>TORX Socket T40</p>	

HINT:  
 TORX is a registered trademark of Textron Inc.

# EQUIPMENT

Protective goggle	
Metal saw	
Torque wrench	
MP grease	
Clip remover	
Protective tape	



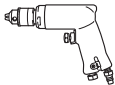
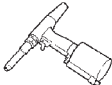


**EQUIPMENT**

Protective goggle	
Metal saw	
Torque wrench	
MP grease	
Clip remover	
Protective tape	



# EXTERIOR

## RECOMMENDED TOOLS

	09050-00032	Air Drill	
	09050-20010	Air Riveter	
	(09050-02020)	Nose Piece No.1	
	09070-20010	Moulding Remover	

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**EQUIPMENT**

Torque wrench	
Protective tape	To avoid surface damage
Heat light	
Double-sided tape	
Piano wire	
Clip remover	
Wooden block or similar object	For tying both piano wire ends
Drill (Safety equipment: protective goggles, etc.)	
Drill bit	
Hand riveter	
Rivet	
Vacuum cleaner	

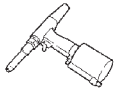

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# INTERIOR

## RECOMMENDED TOOLS

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	09050-20010	Air Riveter	
	09070-20010	Moulding Remover	

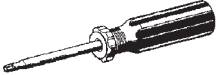


# EQUIPMENT

Clip remover	
Torque wrench	
Protective tape	
Double-sided tape	
Adhesive tape	
Drill (Safety equipment: protective goggles, etc.)	
Hand riveter	
Rivet	

PP

# SLIDING ROOF

## 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>	

# EQUIPMENT

Torque wrench	
Protective tape	

