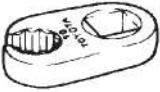
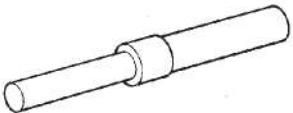

PREPARATION

CLUTCH	PP-1
MANUAL TRANSAXLE (C50, C250)	PP-4
MANUAL TRANSAXLE (S50, S54)	PP-11
AUTOMATIC TRANSAXLE (A241E)	PP-17
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CLUTCH

SST (Special Service Tools)

PP119-01

	09023-00100	Union Nut Wrench 10 mm	Clutch line
	09249-63010	Torque Wrench Adaptor	LHD Clutch line
	09301-00120	Clutch Guide Tool	
	09301-00210	Clutch Guide Tool	
	09333-00013	Clutch Diaphragm Spring Aligner	
	09922-10010	Variable Open Wrench	2C-TE RHD Clutch accumulator

RECOMMENDED TOOLS

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

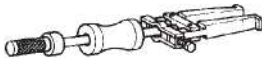
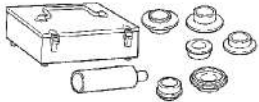
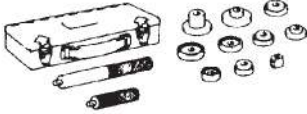
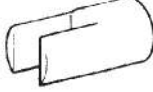
EQUIPMENT

Calipers	
Dial indicator	
Torque wrench	

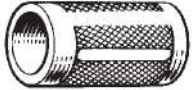
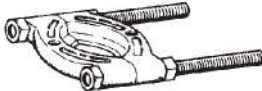
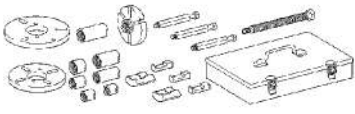
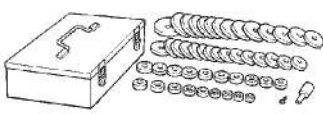
MANUAL TRANSAXLE (C50, C250)

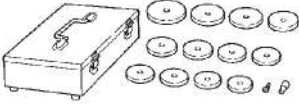
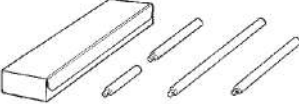
SST (Special Service Tools)

PP11B-01

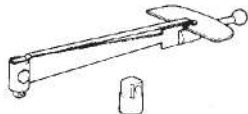
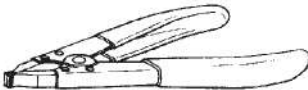
	09308-00010 Oil Seal Puller	Output shaft front bearing
	09309-12020 5th Driven Gear Replacer	
	09316-60011 Transmission & Transfer Bearing Replacer	Output shaft rear ball bearing
	(09316-00021) Replacer "A"	
	09350-32014 TOYOTA Automatic Transmission Tool Set	
	(09351-32111) Side Bearing Race Replacer	Differential case oil seal
	(09351-32130) Handle	
	(09351-32150) Oil Seal Replacer	Differential case oil seal
	09550-10012 Replacer Set "B"	Differential side bearing
	(09252-10010) No. 1 Replacer Handle	
	(09556-10010) Differential Drive Pinion Front Bearing Remover	
	09564-32011 Differential Preload Adaptor	

PREPARATION — MANUAL TRANSAXLE (C50, C250)

	09608-03071	Replacer	Input shaft rear ball bearing
	09612-65014	Steering Worm Bearing Puller	Input shaft front bearing Differential side bearing outer race
	09628-62011	Ball Joint Puller	5th driven gear
	09636-20010	Upper Ball Joint Dust Cover Replacer	No.3 hub sleeve assembly
	09950-00020	Bearing Remover	
	09950-00030	Bearing Remover Attachment	Differential side bearing
	09950-30010	Puller A Set	No.3 clutch hub
	09950-40011	Puller B Set	5th driven gear
	(09957-04010)	Attachment	
	09950-60010	Replacer Set	
	(09951-00230)	Replacer 23	5th driven gear
	(09951-00360)	Replacer 36	Differential side bearing
	(09951-00400)	Replacer 40	Input shaft front oil seal

	(09951-00460) Replacer 46	Input shaft front bearing Differential side bearing
	(09951-00620) Replacer 62	Output shaft front bearing
	09950-60020 Replacer Set No.2	
	(09951-00680) Replacer 68	Differential side bearing outer race (Transaxle case side)
	(09951-00710) Replacer 71	Differential side bearing outer race (Transmission case side)
	09950-70010 Handle Set	
	(09951-07150) Handle 150	

RECOMMENDED TOOLS

	09025-00010 Torque Wrench (30 kgf-cm)	Differential preload
	09031-00030 Pin Punch .	
	09040-00010 Hexagon Wrench Set .	
	09042-00010 Torx Socket T30 .	
	09905-00012 Snap Ring No.1 Expander .	

EQUIPMENT

Dial indicator with magnetic base	
Feelergauge	
Micrometer	
Torque wrench	
Magnetic finger	

LUBRICANT

Item	Capacity	Classification
Manual transaxle oil (w/ Differential oil)	1.9 liters (2.0 US qts, 1.7 Imp.qts)	API GL-4 or GL-5 SAE 75W-90

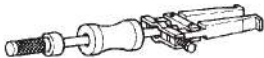
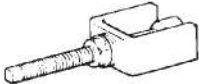
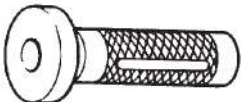
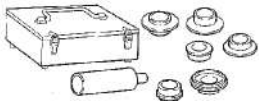
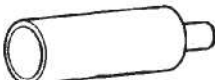
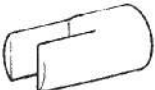
SSM (Special Service Materials)

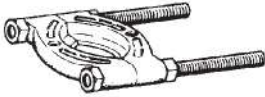
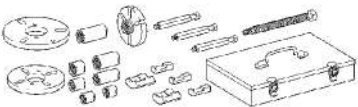
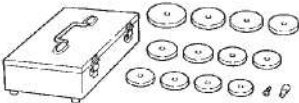
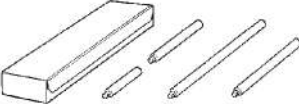
08826-00090	Seal Packing 1281, THREE BOND 1281 or equivalent (FIPG)	Transmission case x Transaxle case Transmission case x Case cover
08833-00080	Adhesive 1344 THREE BOND 1344 LOCTITE 242 or equivalent	Transmission case cover bolt Straight screw plug Control shaft cover bolt

MANUAL TRANSAXLE (S50, S54)

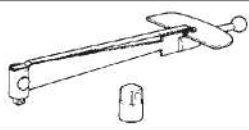
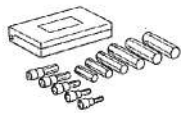
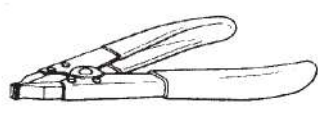
SST (Special Service Tools)

PP0H2-02

	09308-00010 Oil Seal Puller	Input shaft front bearing Output shaft front bearing
	09309-12020 5th Driven Gear Replacer	5th driven gear
	09310-35010 Countershaft Bearing Replacer	Input shaft front bearing Output shaft front bearing
	09316-60011 Transmission & Transfer Bearing Replacer	
	(09316-00011) Replacer Pipe	3rd driven gear Differential side bearing
	(09316-00041) Replacer "C"	Output shaft thrust washer
	09350-32014 TOYOTA Automatic Transmission Tool Set	
	(09351-32120) Overdrive Bearing Replacer	Differential side bearing
	(09351-32130) Handle	Differential side bearing retainer oil seal Differential case oil seal (Transaxle case side)
	(09351-32150) Oil Seal Replacer	Differential side bearing retainer oil seal Differential case oil seal (Transaxle case side)
	09564-32011 Differential Preload Adaptor	
	09608-00071 Drive Pinion Rear Bearing Cone Replacer	Input shaft rear bearing

	09608-00081	Differential Side Bearing Cone Replacer	Input shaft front oil seal
	09612-22011	Tilt Handle Bearing Replacer	Output shaft rear bearing No.3 clutch hub
	09950-00020	Bearing Remover	
	09950-00030	Bearing Remover Attachment	
	09950-30010	Puller A Set	No.3 clutch hub
	09950-40011	Puller B Set	5th driven gear
	09950-60020	Replacer Set No.2	Differential side bearing retainer oil seal Differential side bearing outer race
	(09951-00680)	Replacer 68	
	09950-70010	Handle Set	
	(09951-07150)	Handle 150	

RECOMMENDED TOOLS

	09025-00010 Torque Wrench (30 kgf-cm)	Differential preload
	09031-00030 Pin Punch .	
	09040-00010 Hexagon Wrench Set .	
	09905-00012 Snap Ring No.1 Expander .	

EQUIPMENT

Dial indicator	
Torque wrench	
Feeler gauge	
Magnetic finger	
Micrometer	

LUBRICANT

Item	Capacity	Classification
Manual transaxle oil (w/ Differential oil)	2.2 liters (2.3 US qts, 1.9 Imp. qts)	API GL-4 or GL-5 SAE 75W-90

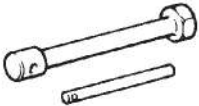
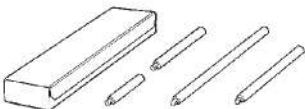
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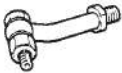
08826-00090	Seal Packing 1281, THREE BOND 1281 or equivalent (FIPG)	Transmission case x Transaxle case Transmission case x Case cover
08833-00070	Adhesive 1324, THREE BOND 1324 or equivalent	Rear bearing retainer set bolt
08833-00080	Adhesive 1344 THREE BOND 1344 LOCTITE 242 or equivalent	Straight screw plug Control shaft cover bolt Lock ball assembly

AUTOMATIC TRANSAXLE (A241E)

SST (Special Service Tools)

PP124-01

	09308-00010 Oil Seal Puller	Side gear shaft oil seal
	09350-32014 TOYOTA Automatic Transmission Tool Set	
	(09351-32010) One-way Clutch Test Tool	
	(09351-32020) Stator Stopper	
	(09351-32111) Side Bearing Race Replacer	
	(09351-32150) Oil Seal Replacer	
	09843-18020 Diagnosis Check Wire	
	09843-18030 Tacho-pulse Pickup Wire No.2	
	09843-18040 Diagnosis Check Wire No.2	
	09950-70010 Handle Set	
	(09951-07100) Handle 100	
	09992-00095 Automatic Transmission Oil Pressure Gauge Set	Line pressure

	(09992-00231) Adaptor C	
	(09992-00271) Gauge Assy	

RECOMMENDED TOOLS

	09082-00040 TOYOTA Electrical Tester.
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EQUIPMENT

Straightedge	Torque converter
Scale	Torque converter
Dial indicator or dial indicator with magnetic base	Drive plate
Torque wrench	

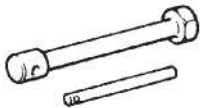
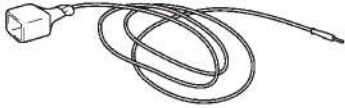
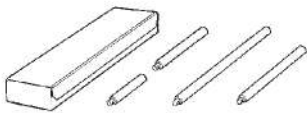
LUBRICANT

Item	Capacity	Classification
Automatic transaxle fluid		
Dry fill	8.0 liters (8.5 US qts, 7.0 Imp. qts)	ATF D-II or DEXRON III (DEXRON II)
Drain and refill	3.3 liters (3.5 US qts, 2.9 Imp. qts)	

AUTOMATIC TRANSAXLE (A245E, A246E)

SST (Special Service Tools)

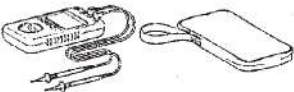
PP113-01

	09308-00010 Oil Seal Puller	
	09350-32014 TOYOTA Automatic Transmission Tool Set	
	(09351-32010) One-way Clutch Test Tool	
	(09351-32020) Stator Stopper	
	(09351-32111) Side Bearing Race Replacer	
	(09351-32150) Oil Seal Replacer	
	09843-18020 Diagnosis Check Wire	
	09843-18030 Tacho-pulse Pickup Wire No.2	
	09843-18040 Diagnosis Check Wire No.2	
	09950-70010 Handle Set	
	(09951-07100) Handle 100	
	09992-00095 Automatic Transmission Oil Pressure Gauge Set	

PREPARATION – AUTOMATIC TRANSAXLE (A245E, A246E)

	(09992-00231) Adaptor C	
	(09992-00271) Gauge Assy	

RECOMMENDED TOOLS

	09082-00040 TOYOTA Electrical Tester.	
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EQUIPMENT

Straightedge	Torque converter
Scale	Torque converter
Dial indicator or dial indicator with magnetic base	Drive plate
Torque wrench	

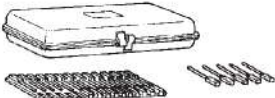
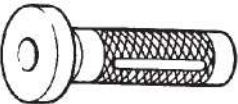
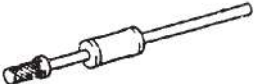
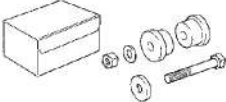
LUBRICANT

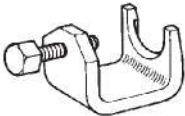
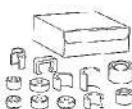
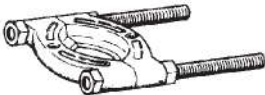
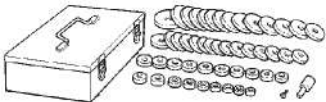
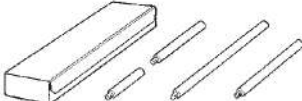
Item	Capacity	Classification
Automatic transaxle fluid		
Dry fill	7.6 liters (8.0 US qts, 6.7 Imp. qts)	ATF D-II or DEXRON®III (DEXRON®II)
Drain and refill	3.1 liters (3.3 US qts, 2.7 Imp. qts)	

SUSPENSION AND AXLE

SST (Special Service Tools)

PP11G-01

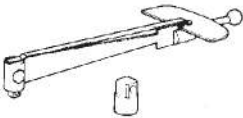
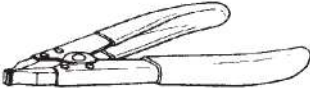
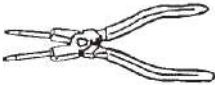
	09240-00020	Wire Gauge Set	Front drive shaft
	09310-35010	Countershaft Bearing Replacer	Front axle
	09506-35010	Differential Drive Pinion Rear Bearing Replacer	Front drive shaft
	09520-01010	Drive Shaft Remover Attachment	Front drive shaft
	09520-00031	Rear Axle Shaft Puller	Front axle
	09520-24010	Differential Side Gear Shaft Puller	Front drive shaft
	(09520-32040)	Shocker Set	
	09521-24010	Drive Shaft Boot Clamping Tool	Front drive shaft
	09527-17011	Rear Axle Shaft Bearing Remover	Front axle
	09608-16042	Front Hub Bearing Adjusting Tool	Front drive shaft
	(09608-02021)	Bolt & Nut	
	(09608-02041)	Retainer	

	09608-32010	Steering Knuckle Oil Seal Replacer	Front axle
	09628-10011	Ball Joint Puller	Front axle Rear axle
	09628-62011	Ball Joint Puller	Front axle Front suspension
	09710-30021	Suspension Bushing Tool Set	Front drive shaft
	(09710-03141)	Bushing Remover Base	
	09727-30021	Coil Spring Compressor	Front suspension Rear suspension
	09729-22031	Front Spring Upper Seat Holder	Front suspension
	09950-00020	Bearing Remover	Front axle Front drive shaft
	09950-60010	Replacer Set	
	(09951-00390)	Replacer 39	Front axle
	(09951-00640)	Replacer 64	Front axle Front drive shaft
	09950-70010	Handle Set	
	(09951-07100)	Handle 100	Front axle

PREPARATION – SUSPENSION AND AXLE

	(09951-07150) Handle 150	Front axle Front drive shaft
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RECOMMENDED TOOLS

	09025-00010 Torque Wrench (30 kgf-cm)	
	09042-00010 Torx Socket T30 .	
	09905-00012 Snap Ring No.1 Expander .	
	09905-00013 Snap Ring Pliers .	

EQUIPMENT

Dial indicator	
Torque wrench	
drill	

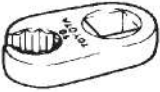
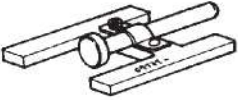
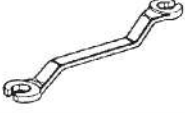
LUBRICANT

Item		Capacity	Application
2C-TE and 2C-T engine:			
Outboard joint grease	Color=Black	85 – 105 g (3.00 – 3.70 oz.)	
Inboard joint grease	Color=Yellow	120 – 130 g (4.23 – 4.59 oz.)	
Others:			
Outboard joint grease	Color=Black	85 – 105 g (3.00 – 3.70 oz.)	
Inboard joint grease	Color=Yellow	125.5 – 135.5 g (4.43 – 4.78 oz.)	

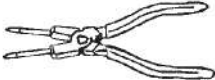
BRAKE

SST (Special Service Tools)

PP16B-01

	09023-00100 Union Nut Wrench 10 mm	
	09709-29018 LSPV Gauge Set	
	09737-00010 Brake Booster Push Rod Gauge	
	09751-36011 Brake Line Union Nut 10 x 12 mm Wrench	
	09843-18020 Diagnosis Check Wire	

RECOMMENDED TOOLS

	09042-00030 Torx Socket T20 .	
	09082-00040 TOYOTA Electrical Tester.	
	09905-00013 Snap Ring Pliers .	

EQUIPMENT

Torque wrench	
Micrometer	Brake disc
Dial indicator	Brake disc
Vernier calipers	Brake disc

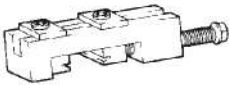
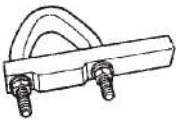
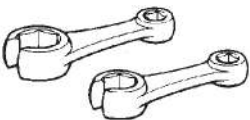
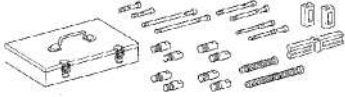
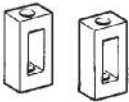
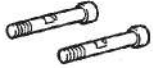
LUBRICANT

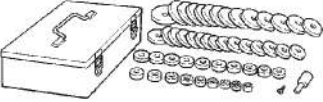
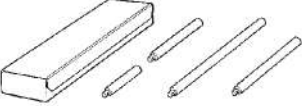
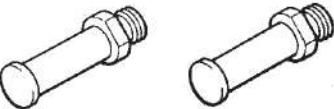
Item	Capacity	Classification
Brake fluid	–	SAE J1703 or FMVSS No.116 DOT3

STEERING

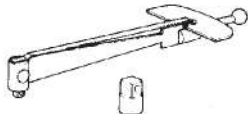
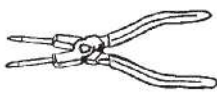
SST (Special Service Tools)

PP10A-01

	09521-24010	Drive Shaft Boot Clamping Tool	PS gear
	09612-00012	Rack & Pinion Steering Rack Housing Stand	PS gear
	09631-22020	Power Steering Hose Nut 14 x 17 mm Wrench Set	PS gear
	09640-10010	Power Steering Pressure Gauge Set	
	(09641-01010)	Gauge Assy	Power steering fluid
	(09641-01030)	Attachment B	Power steering fluid
	(09641-01060)	Attachment E	Power steering fluid
	09950-50010	Puller C Set	
	(09951-05010)	Hanger 150	Tilt steering column
	(09952-05010)	Slide Arm	Tilt steering column
	(09953-05020)	Center Bolt 150	Tilt steering column
	(09954-05020)	Claw No.2	Tilt steering column

	09950-60010 Replacer Set	
	(09951-00310) Replacer 31	PS vane pump (2C-T, 2C-TE)
	09950-70010 Handle Set	
	(09951-07100) Handle 100	PS vane pump (2C-T, 2C-TE)
	09960-10010 Variable Pin Wrench Set	
	(09962-01000) Variable Pin Wrench Arm Assy	PS vane pump (2C-T, 2C-TE)
	(09963-01000) Pin 10	PS vane pump (2C-T, 2C-TE)

RECOMMENDED TOOLS

	09025-00010 Torque Wrench (30 kgf-cm)	PS vane pump PS gear
	09042-00010 Torx Socket T30 .	Tilt steering column
	09216-00021 Belt Tension Gauge .	Drive belt
	09216-00030 Belt Tension Gauge Cable .	Drive belt
	09904-00010 Expander Set .	
	09905-00012 Snap Ring No.1 Expander .	
	09905-00013 Snap Ring Pliers .	

EQUIPMENT

Caliper gauge	PS vane pump (2C-T, 2C-TE)
Calipers	PS vane pump (2C-T, 2C-TE)
Feeler gauge	PS vane pump (2C-T, 2C-TE)
Micrometer	PS vane pump (2C-T, 2C-TE)
Torque wrench	

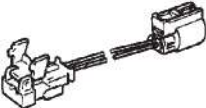
LUBRICANT

Item		Capacity	Classification
Power steering fluid	Total	0.8 liters (0.8 US qts, 0.7 Imp.qts)	ATF DEXRON® II or III

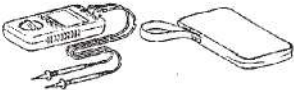
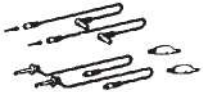
SUPPLEMENTAL RESTRAINT SYSTEM

SST (Special Service Tools)

PP0MQ-06

	09082-00700 SRS Airbag Deployment Tool	
	09082-00720 SRS Airbag Deployment Wire	for Driver's and Front Passenger Airbag Assembly
	09082-00750 Airbag Deployment Wire Sub-harness No.3	for Side Airbag Assembly
	09843-18020 Diagnosis Check Wire	

RECOMMENDED TOOLS

	09042-00020 Torx Socket T40 .	Airbag Sensor Assembly Seatback Assembly
	09082-00050 TOYOTA Electrical Tester Set.	
	09082-00040 TOYOTA Electrical Tester.	
	(09083-00150) Test Lead Set	for Driver's and Front Passenger Air- bag Assembly

EQUIPMENT

Torque wrench	
Bolt: Length: 35 mm (1.38 in.) Pitch: 1.0 mm (0.039 in.) Diam.: 6.0 mm (0.236 in.)	Airbag disposal
Tire Width: 185 mm (7.28 in.) Inner diam.: 360mm (14.17 in.)	Airbag disposal
Tire with disc wheel Width: 185 mm (7.28 in.) Inner diam.: 360 mm (14.17 in.)	Airbag disposal
Vinyl bag	Airbag disposal

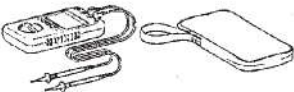
BODY ELECTRICAL

SST (Special Service Tools)

PP12H-01

	09843-18020 Diagnosis Check Wire
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RECOMMENDED TOOLS

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

EQUIPMENT

Voltmeter	
Ammeter	
Ohmmeter	
Test lead	
Syphon	Brake fluid level warning switch
Bulb (3.4 W)	Fuel sender gauge,
Bulb (21 W)	Turn signal flasher relay
Dry cell battery	Fuel sender gauge
Torque wrench	
Masking tape	Rear window defogger wire
Tin foil	Rear window defogger wire

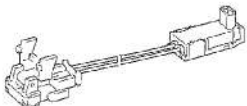
SSM (Special Service Materials)

08888-88888	DuPont Paste No. 4817 or equivalent	Rear window defogger
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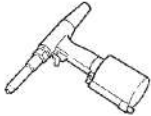
BODY

SST (Special Service Tools)

PP0EY-02

	09082-00700 SRS Airbag Deployment Tool	
	09082-00740 Airbag Deployment Wire Sub-harness No.2	
	09804-24010 Luggage Compartment Door Torsion Bar Tool	
	09806-30010 Windshield Moulding Remover	
	09812-00010 Door Hinge Set Bolt Wrench	

RECOMMENDED TOOLS

	09050-20010 Air Riveter.	
	(09050-02010) Dust Cap.	
	(09050-02040) Nose Piece No.3.	

EQUIPMENT

Clip remover	
Torque wrench	
Tape	To avoid surface damage
Adhesive tape	To avoid surface damage
Adhesive	
Cleaner	
Shop rag	
Knife	
Heat light	
Piano wire	
Rope (no projections, difficult to break)	Seat belt pretensioner
Tire Width: 185 mm (7.28 in.) Inner diam: 360 mm (14.17 in.)	Seat belt pretensioner
Tire with disk wheel Width: 185 mm (7.28 in.) Inner diam: 360 mm (14.17 in.)	Seat belt pretensioner
Vinyle bag	Seat belt pretensioner

LUBRICANT

PP061-01

Item	Capacity	Classification
MP grease	–	–

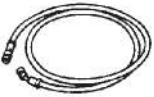
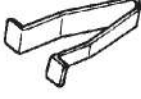
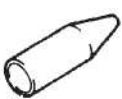
SSM (Special Service Materials)

08833-00070	Adhesive 1324, THREE BOND 1324 or equivalent	
08833-00030	Three cement black or equivalent	
08850-00801	Windshield Glass Adhesive Set or equivalent	

AIR CONDITIONING

SST (Special Service Tools)

PP14L-01

	07110-58060	Air Conditioner Service Tool Set	
	(07117-58060)	Refrigerant Drain Service Valve	
	(07117-58070)	T-Joint	
	(07117-58080)	Quick Disconnect Adapter	High pressure side
	(07117-58090)	Quick Disconnect Adapter	Low pressure side
	(07117-88060)	Refrigerant Charging Hose	High pressure side (Color: Red)
	(07117-88070)	Refrigerant Charging Hose	Low pressure side (Color: Blue)
	(07117-88080)	Refrigerant Charging Hose	Utility (Color: Green)
	07112-15020	Seal Plate Remover	
	07112-66040	Magnetic Clutch Remover	
	07112-76060	Magnetic Clutch Stopper	
	07112-85010	Lip Seal Protector	

PREPARATION – AIR CONDITIONING

	07112-85030 Lip Seal Remover	
	07114-84010 Snap Ring Pliers	
	07114-84020 Snap Ring Pliers	
	07116-38360 Gas Leak Detector Assembly	
	09870-00015 A/C Quick Joint Puller No.1	Suction Tube
	09870-00025 A/C Quick Joint Puller No.2	Liquid Tube

RECOMMENDED TOOLS

	09082-00040 TOYOTA Electrical Tester.	
	09216-00021 Belt Tension Gauge .	
	09216-00030 Belt Tension Gauge Cable .	

EQUIPMENT

Voltmeter	
Ammeter	
Ohmmeter	
Test lead	
Thermometer	Thermistor
Torque wrench	
Thickness gauge	Magnetic clutch
Plastic hammer	Magnetic clutch
Hexagon wrench	Expansion valve
Dry cell battery	Heater control assembly

LUBRICANT

Item	Capacity	Classification
Compressor oil	–	ND-OIL 8 or equivalent
When replacing receiver	20 cc (0.71 fl.oz.)	
When replacing condenser	40 cc (1.4 fl. oz.)	
When replacing evaporator	40 cc (1.4 fl. oz.)	