

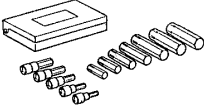
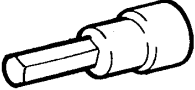

EQUIPMENT

Voltmeter	
Ammeter	
Ohmmeter	
Test lead	
Thermometer	Sernsor
Torque wrench	
Dial indicator	Magnetic clutch
Plastic hammer	Magnetic clutch

LUBRICANT

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

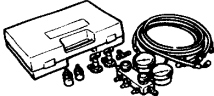
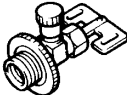





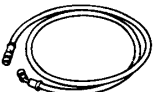

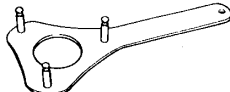
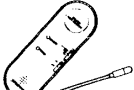
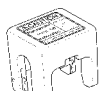
RECOMMENDED TOOLS




	09040-0001 1 Hexagon Wrench Set .	Expansion valve
	(09043-20050) Socket Hexagon Wrench 5.	5.0 mm (0.20 in.)
	09082-00040 TOYOTA Electrical Tester.	

AIR CONDITIONING

SST (Special Service Tools)

PP1AE-03

	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)
	07112-66040	Magnetic Clutch Remover	
	07112-76060	Magnetic Clutch Stopper	
	07116-38360	Gas Leak Detector Assembly	
	09870-00015	A/C Quick Joint Puller No.1	Suction tube

	<p>09870-00025 A/C Quick Joint Puller No.2</p>	<p>Liquid tube</p>
	<p>95994-10010 Snap Ring Pliers (DENSO Part No.)</p>	
	<p>95994-10020 Snap Ring Pliers (DENSO Part No.)</p>	

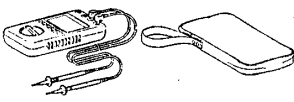
EQUIPMENT

OBD II scan tool	
Torque wrench	
Calipers	Torque converter clutch
Straight edge	Torque converter clutch
Dial indicator	Drive plate runout

LUBRICANT

Item	Capacity	Classification
Automatic transmission fluid		
Dry fill	10.6 liters (11.2 US qts, 9.3 Imp qts)	ATF WS
Drain and refill	3.0 liters (3.2 US qts, 2.6 Imp qts)	

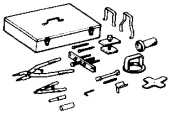
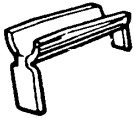
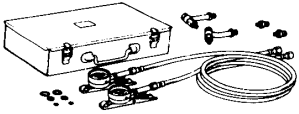
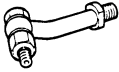

RECOMMENDED TOOLS

	09082-00040 TOYOTA Electrical Tester.	
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AUTOMATIC TRANSMISSION

SST (Special Service Tools)

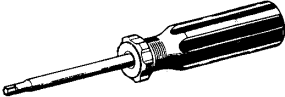
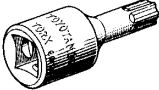

PP3XT-01

	<p>09350-30020 TOYOTA Automatic Transmission Tool Set</p>	
	<p>(09351-32020) Stator Stopper</p>	
	<p>09992-00095 Automatic Transmission Oil Pressure Gauge Set</p>	
	<p>(09992-00231) Adaptor C</p>	
	<p>(09992-00271) Gauge Assy</p>	

EQUIPMENT

Voltmeter	
Ammeter	
Ohmmeter	
Test lead	
Heat light	Seat heater
Hexagon wrench (6 mm)	Power seat
Torque wrench	
Masking tape	Rear window defogger wire
Tin foil	Rear window defogger wire


RECOMMENDED TOOLS

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

BODY ELECTRICAL

SST (Special Service Tools)

PP00-18

	09843-18020 Diagnosis Check Wire	
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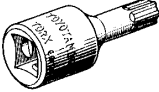

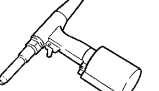



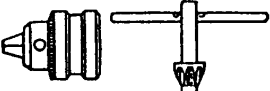



EQUIPMENT

Clip remover	
Torque wrench	
Hexagon wrench (6 mm)	
Torx driver	
Hog ring pliers	
Hand riveter	
Tape	To avoid surface damage
Adhesive tape	To avoid surface damage
Double-stick tape	
Adhesive	
Cleaner	
Shop rag	
Knife	
Sealer gun	
Brush	
Putty spatula	
Glass plate or similar object	
Wooden block or similar object	
Heat light	
Piano wire	
Plastic sheet	To avoid surface damage
Tacker	BANZAI 303XT
Tack pin	BANZAI UX-7
Rope (no projections, difficult to break)	Seat belt pretensioner
Tire with disk wheel Width: 185 mm (7.28 in.) Inner diam: 360 mm (14.17 in.)	Seat belt pretensioner
Vinyl bag	Seat belt pretensioner

LUBRICANT

Item	Capacity	Classification
MP grease	-	-

RECOMMENDED TOOLS

	<p>09042-00010 Torx Socket T30 .</p>	
	<p>09042-00020 Torx Socket T40 .</p>	
	<p>09050-20010 Air Riveter.</p>	
	<p>(09050-02010) Dust Cap.</p>	
	<p>09050-02050 Nose Piece No.4.</p>	
	<p>09050-00032 Air Drill</p>	
	<p>(09050-00210) Chuck Set</p>	
	<p>(09050-00220) Handle</p>	
	<p>09060-60350 Revet Cutter.</p>	
	<p>09070-20010 Moulding Remover .</p>	

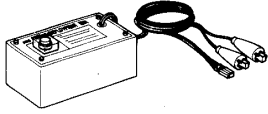
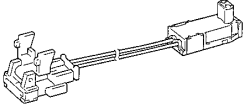

SSM (Special Service Materials)

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

BODY

PP0SG-01

SST (Special Service Tools)

	<p>09082-00700 SRS Airbag Deployment Tool</p>	
	<p>09082-00740 Airbag Deployment Wire Sub-harness No.2</p>	
	<p>09812-00010 Door Hinge Set Bolt Wrench</p>	

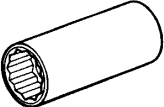

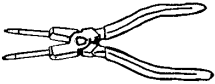
EQUIPMENT

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

LUBRICANT




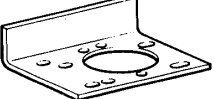

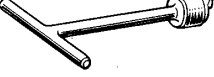


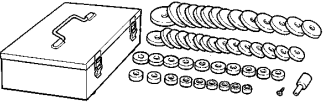


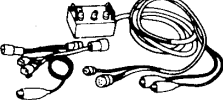
Item	Capacity	Classification
Brake fluid	-	SAE J1703 or FMVSS No. 116 DOT3

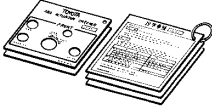
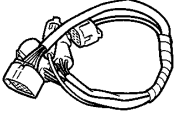
RECOMMENDED TOOLS

	<p>09017-12301 Deep Socket Wrench 30 mm .</p>	
	<p>09082-00040 TOYOTA Electrical Tester.</p>	
	<p>09905-00013 Snap Ring Pliers .</p>	

BRAKE**SST (Special Service Tools)**

PP2AA-02


	09023-00100	Union Nut Wrench 10 mm	
	09318-12010	Transfer Bearing Adjusting Nut Wrench	
	09630-00014	Power Steering Gear Housing Overhaul Tool Set	
	(09631-00142)	Overhaul Stand	
	09709-29018	LSPV Gauge Set	
	09717-20010	Brake Shoe Return Spring Remover	
	09718-20010	Brake Shoe Return Spring Replacer	
	09843-18020	Diagnosis Check Wire	
	09950-60010	Replacer Set	
	(09951-00180)	Replacer 18	
	(09951-00190)	Replacer 19	
	09990-00150	ABS Actuator Checker and Sub-harness	

	09990-00240 ABS Actuator Checker Sheet "G"	
	09990-00480 ABS Actuator Checker Sub-harness "S"	

EQUIPMENT

Ammeter(A)	
Torque wrench	
Vernier calipers	Rotor (Slip ring)


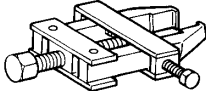

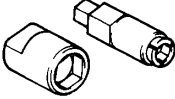

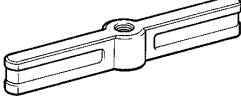
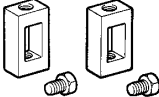
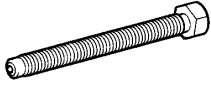
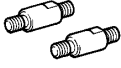
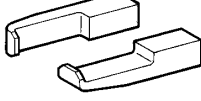

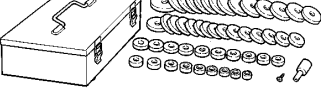
RECOMMENDED TOOLS

	09082-00040 TOYOTA Electrical Tester.	
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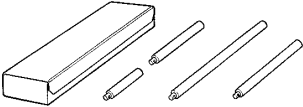

CHARGING

SST (Special Service Tools)

PP3Y4-01

	<p>09285-76010 Injection Pump Camshaft Bearing Cone Replacer</p>	
	<p>09820-00021 Alternator Rear Bearing Puller</p>	
	<p>09820-00031 Alternator Rear Bearing Replacer</p>	
	<p>09820-6301 1 Alternator Pulley Set Nut Wrench Set</p>	
	<p>09950-4001 1 Puller B Set</p>	
	<p>(09951-04020) Hanger 200</p>	
	<p>(09952-04010) Slide Arm</p>	
	<p>(09953-04020) Center Bolt 150</p>	
	<p>(09954-04010) Arm 25</p>	
	<p>(09955-04071) Claw No.7</p>	
	<p>(09958-0401 1) Holder</p>	
	<p>09950-60010 Replacer Set</p>	

PREPARATION - CHARGING

	<p>(09951-00250) Replacer 25</p>	
	<p>(09951-00470) Replacer 47</p>	
	<p>09950-70010 Handle Set</p>	
	<p>(09951-07100) Handle 100</p>	

COOLANT

Item	Capacity	Classification
Engine coolant w/ Front heater	14.8 liters (15.6 US qts, 13.0 Imp. qts)	TOYOTA LONG LIFE Antifreeze Coolant or equivalent
w/ Front heater and rear heater	15.3 liters (16.2 US qts, 13.4 Imp qts)	

COOLING EQUIPMENT

PP1AQ-01

Heater	Thermostat
Radiator cap tester	
Thermometer	Thermostat
Torque wrench	

SSM (Special Service Materials)

	08826-00100 Seal Packing 1282B, THREE BOND 1282B or equivalent (FIPG)	Water pump Water inlet housing
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EMISSION CONTROL EQUIPMENT

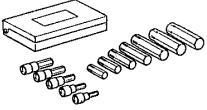

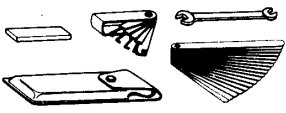


PP1AK-05

Torque wrench	
MITYVAC (Hand-held vacuum pump)	
Vacuum Gauge	
Hose Clipper	

EQUIPMENT

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

RECOMMENDED TOOLS

	09040-0001 1 Hexagon Wrench Set .	
	09090-04020 Engine Sling Device	For suspension engine
	09200-00010 Engine Adjust Kit .	
	09258-00030 Hose Plug Set .	Plug for vacuum hose, fuel hose etc.
	09904-00010 Expander Set .	

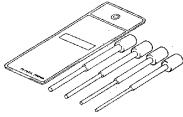
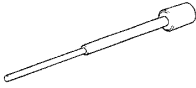
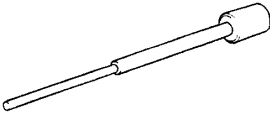
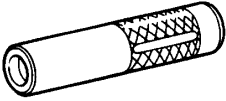
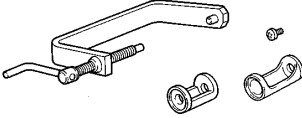
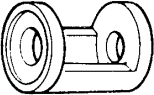


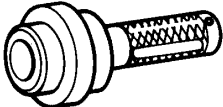
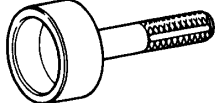
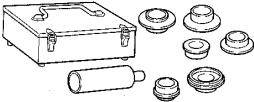
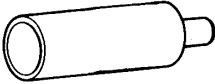
SSM (Special Service Materials)

08826-00080	Seal Packing Black or equivalent (FIPG)	Camshaft bearing cap Cylinder head semi-circular plug Cylinder head cover Rear oil seal retainer
08826-00080	Seal Packing Black or equivalent (FIPG)	Camshaft housing plug
08826-00100	Seal Packing 1282B, THREE BOND 1282B or equivalent (FIPG)	Coolant drain union
08833-00070	Adhesive 1324, THREE BOND 1324 or equivalent	Drive plate bolt Torque converter clutch bolt
08833-00080	Adhesive 1344 THREE BOND 1344 LOCTITE 242 or equivalent	No.1 idler pulley bolt



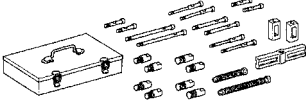
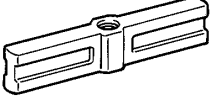
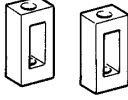

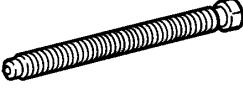
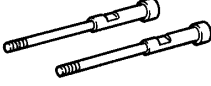
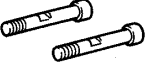
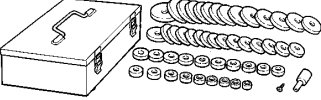


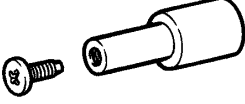
ENGINE MECHANICAL

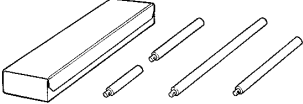

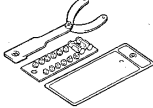

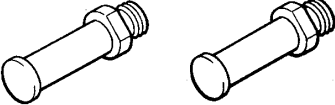

SST (Special Service Tools)

PP3X6-01

	09201-10000	Valve Guide Bushing Remover & Replacer Set	
	(09201-01060)	Valve Guide Bushing Remover & Replacer 6	
	09201-01055	Valve Guide Bushing Remover & Replacer 5.5	
	09201-41020	Valve Stem Oil Seal Replacer	
	09202-70020	Valve Spring Compressor	
	(09202-00010)	Attachment	
	09213-7001 1	Crankshaft Pulley Holding Tool	
	09222-30010	Connecting Rod Bushing Remover & Replacer	
	09223-4601 1	Crankshaft Front Oil Seal Replacer	Crankshaft pulley Crankshaft timing pulley
	09223-56010	Crankshaft Rear Oil Seal Replacer	
	09316-6001 1	Transmission & Transfer Bearing Replacer	
	(09316-0001 1)	Replacer Pipe	Crankshaft front oil seal

PREPARATION - ENGINE MECHANICAL

	<p>09330-00021 Companion Flange Holding Tool</p>	<p>Crankshaft pulley</p>
	<p>09843-18020 Diagnosis Check Wire</p>	
	<p>09950-50013 Puller C Set</p>	
	<p>(09951-05010) Hanger 150</p>	<p>Crankshaft pulley Crankshaft timing pulley</p>
	<p>(09952-05010) Slide Arm</p>	<p>Crankshaft pulley Crankshaft timing pulley</p>
	<p>(09953-05010) Center Bolt 100</p>	<p>Crankshaft pulley Crankshaft timing pulley</p>
	<p>(09953-05020) Center Bolt 150</p>	<p>Crankshaft pulley Crankshaft timing pulley</p>
	<p>(09954-0501 1) Claw No.1</p>	<p>Crankshaft timing pulley</p>
	<p>(09954-05021) Claw No.2</p>	<p>Crankshaft pulley</p>
	<p>09950-60010 Replacer Set</p>	
	<p>(09951-00240) Replacer 24</p>	
	<p>(09951-00440) Replacer 44</p>	
	<p>(09952-06010) Adapter</p>	

	<p>09950-70010 Handle Set</p>	
	<p>(09951-07100) Handle 100</p>	<p>Spark plug tube Valve guide bushing</p>
	<p>09960-10010 Variable Pin Wrench Set</p>	
	<p>(09962-01000) Variable Pin Wrench Arm Assy</p>	<p>Camshaft sub-gear</p>
	<p>(09963-01000) Pin 10</p>	<p>Camshaft sub-gear</p>
	<p>(09963-00500) Pin 5</p>	<p>Camshaft sub-gear</p>

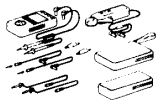
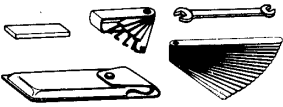
EQUIPMENT

Megger (Insulation resistance meter)	Spark plug
Spark plug cleaner	
Torque wrench	

IGNITION

RECOMMENDED TOOLS

PP1AL-01

	09082-00050 TOYOTA Electrical Tester Set.	
	09200-00010 Engine Adjust Kit .	

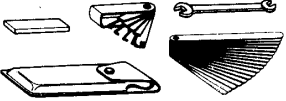
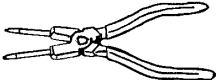
EQUIPMENT

Oil pressure gauge	
Precision straight edge	
Torque wrench	

LUBRICANT

Item	Capacity	Classification
Engine oil Dry fill Drain and refill w/ Oil filter change w/o Oil filter change	8.0 liters (8.5 US qts, 7.0 Imp. qts) 6.8 liters (7.2 US qts, 6.0 Imp. qts) 6.4 liters (6.8 US qts, 5.6 Imp qts)	API grade SL Energy-Conserving or ILSAC multigrade engine oil.

RECOMMENDED TOOLS

	09200-00010 Engine Adjust Kit .	
	09905-00013 Snap Ring Pliers .	


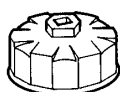
SSM (Special Service Materials)

08826-00080	Seal Packing Black or equivalent (FIPG)	Oil pump No.1 oil pan No.2 oil pan
08833-00080	Adhesive 1344 THREE BOND 1344 LOCTITE 242 or equivalent	Oil pressure switch

LUBRICATION

SST (Special Service Tools)

PP1AT-02

	09032-00100 Oil Pan Seal Cutter	
	09228-07501 Oil Filter Wrench	

MAINTENANCE EQUIPMENT

PP1AY-01

Mirror	Brake hose
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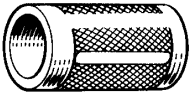
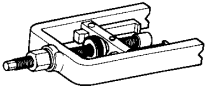
EQUIPMENT

Torque wrench	
Dial indicator	

PROPELLER SHAFT

SST (Special Service Tools)

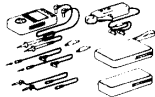
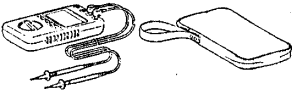

PP19L-02

	<p>09636-20010 Upper Ball Joint Dust Cover Replacer</p>	
	<p>09332-25010 Universal Joint Bearing Remover & Replacer</p>	

EQUIPMENT

Torque wrench	
Bolt: Length: 35 mm (1.387 in.) Pitch: 1.0 mm (0.039 in.) Diam.: 6.0 mm (0.236 in.)	Airbag disposal
Tire Width: 185 mm (7.28 in.) Inner diam.: 360 mm (14.17 in.)	Airbag disposal
Tire with disc wheel Width: 185 mm (7.28 in.) Inner diam.: 360 mm (14.17 in.)	Airbag disposal
Plastic bag	Airbag disposal

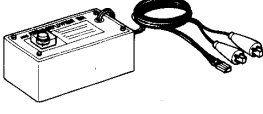
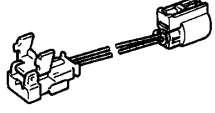
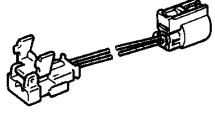
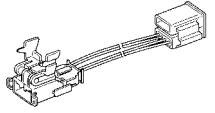

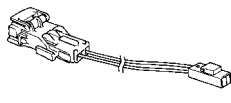


RECOMMENDED TOOLS

	09082-00050 TOYOTA Electrical Tester Set.	
	09082-00040 TOYOTA Electrical Tester.	
	(09083-00150) Test Lead Set	Seat belt pretensioner connector

SUPPLEMENTAL RESTRAINT SYSTEM

SST (Special Service Tools)

PP3X7-01

	09082-00700	SRS Airbag Deployment Tool	
	09082-00750	Airbag Deployment Wire Sub-harness No.3	
	09082-00760	Airbag Deployment Wire Sub-harness No.4	
	09082-00780	Airbag Deployment Wire Sub-Harness No.6	
	09082-00802	Airbag Deployment Wire Sub-Harness No.8	
	(09082-10801)	Wire A	
	(09082-30801)	Wire C	
	09843-18040	Diagnosis Check Wire No.2	

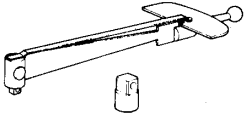
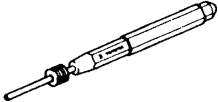
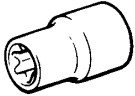
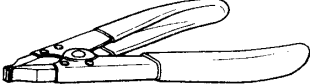
EQUIPMENT

Dial indicator with magnetic base	
Drill	
Micrometer	
Torque wrench	
Vernier calipers	

LUBRICANT

FRONT DRIVE SHAFT		
Item	Capacity	Classification
Outboard joint grease	368 - 378 g (13.0 - 13.3 oz.)	
Inboard joint grease	293 - 303 g (10.3 - 10.7 oz.)	
FRONT DIFFERENTIAL		
Item	Capacity	Classification
Hypoid gear oil	1.70 liters (1.80 US qts, 1.50 Imp.qts)	Hypoid gear oil API GL-5 Above -18 °C (0°F) SAE 90 Below -18 °C (0°F) SAE 80W-90 or 80W
REAR DIFFERENTIAL		
Item	Capacity	Classification
Hypoid gear oil	Normal	Hypoid gear oil API GL-5 Above -18 °C (0°F) SAE 90 Below -18 °C (0°F) SAE 80W-90 or 80W
	w/ Diff. lock	
Hypoid gear oil LSD	w/ LSD	Hypoid gear oil LSD API GL-5 Above -18 °C (0°F) SAE 90 Below -18 °C (0°F) SAE 80W-90 or 80W

RECOMMENDED TOOLS

	09025-00010 Torque Wrench (30 kgf-cm)	
	09031-00030 Pin Punch .	
	09044-00020 Torx Socket E10 .	
	09905-00012 Snap Ring No.1 Expander .	




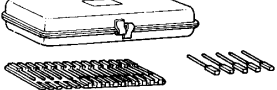

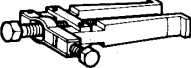
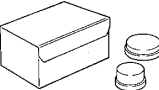

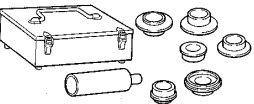
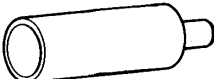


SSM (Special Service Materials)

08826-00090	Seal Packing 1281, THREE BOND 1281 or equivalent (FIPG)	
08833-00070	Adhesive 1324, THREE BOND 1324 or equivalent	
08833-00100	THREE BOND 1360K or equivalent	


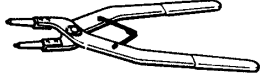

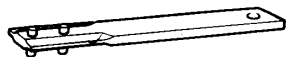
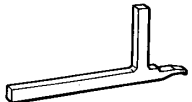


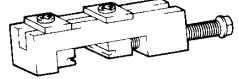


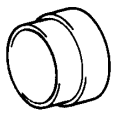


SUSPENSION AND AXLE

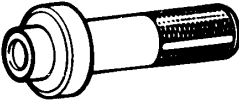
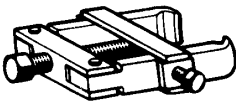
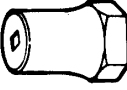
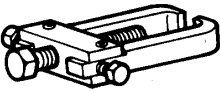

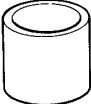
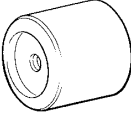
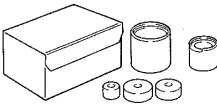

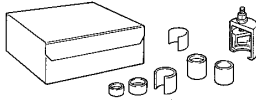

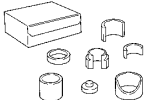

SST (Special Service Tools)

PP1VL-03


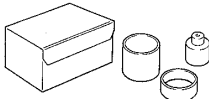

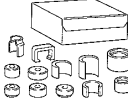


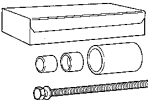
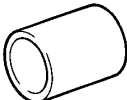


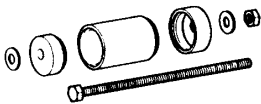
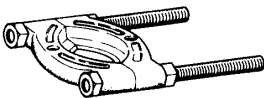
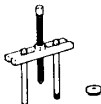
	09023-00100	Union Nut Wrench 10 mm	Rear axle Rear differential
	09214-7601 1	Crankshaft Pulley Replacer	Rear differential
	09223-00010	Cover & Seal Replacer	Front differential
	09240-00020	Wire Gauge Set	Front drive shaft
	09308-00010	Oil Seal Puller	Front differential Rear axle Rear differential
	09308-10010	Oil Seal Puller	Front differential Rear differential
	09315-00022	Clutch Release Bearing Remover & Replacer	Front differential
	09316-2001 1	Transfer Bearing Replacer	Front drive shaft Front suspension
	09316-6001 1	Transmission & Transfer Bearing Replacer	Front differential Rear differential
	(09316-0001 1)	Replacer Pipe	
	(09316-00021)	Replacer "A"	
	09330-00021	Companion Flange Holding Tool	Front differential Rear differential

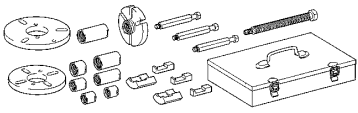
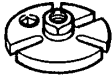


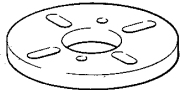
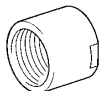
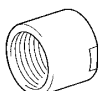

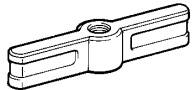
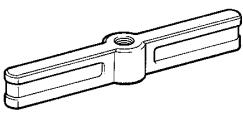
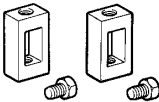
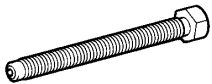
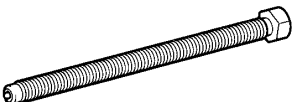
PREPARATION - SUSPENSION AND AXLE

	09350-30020	TOYOTA Automatic Transmission Tool Set	Front differential
	(09350-07060)	No.1 Snap Ring Expander	
	09502-12010	Differential Bearing Replacer	Front differential
	09504-0001 1	Differential Side Bearing Adjusting Nut Wrench	Rear differential
	09504-22012	Differential Side Bearing Replacer	Front differential Rear differential (w/ Diff. lock)
	09506-30012	Differential Drive Pinion Rear Bearing Cone Replacer	Front differential
	09506-35010	Differential Drive Pinion Rear Bearing Replacer	Front differential Rear differential
	09521-24010	Drive Shaft Boot Clamping Tool	Front drive shaft
	09521-2501 1	Rear Axle Shaft Puller	Rear axle
	09521-25021	Rear Axle Shaft Puller Attachment	Rear axle
	09527-1701 1	Rear Axle Shaft Bearing Remover	Front suspension
	09550-00032	Replacer	Front differential
	09550-60010	Differential Side Bearing Replacer	Rear differential (w/ Diff. lock)

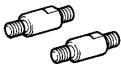
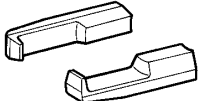

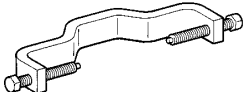
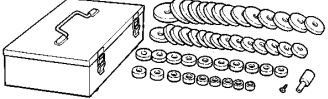





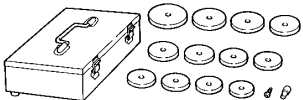
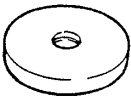
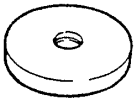
	09554-3001 1	Differential Oil Seal Replacer	Front differential
	09556-22010	Drive Pinion Front Bearing Remover	Front differential Rear differential
	09607-60020	Front Wheel Adjusting Nut Wrench	Front axle
	09628-6201 1	Ball Joint Puller	Front axle Front drive shaft Front suspension
	09631-12090	Seal Ring Tool	Rear axle
	09631-32020	Seal Ring Tool	Front suspension
	09649-17010	Steering Knuckle Tool	Rear differential (w/ LSD)
	09710-14013	Rear Suspension Bushing Tool Set	Rear suspension
	(09710-00061)	Replacer	
	09710-22021	Front Suspension Bushing Tool Set	Front suspension
	(09710-01071)	Lower Arm Bushing Remover	
	09710-28012	Front Suspension Bushing Tool Set	Front suspension Rear suspension
	(09710-07031)	Bushing Replacer	

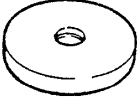




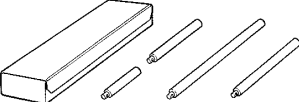


PREPARATION - SUSPENSION AND AXLE

	(09710-07062) Bushing Replacer	
	09710-28021 Front Suspension Bushing Tool Set	Front suspension
	(09710-08031) Base	
	09710-30021 Suspension Bushing Tool Set	Front suspension
	(09710-03101) Bushing Replacer	
	09710-30050 Suspension Arm Bushing Replacer	Rear differential
	09726-3501 1 Front Lower Arm Bushing Remover & Replacer	Front suspension
	(09726-05021) Gate	
	09726-36010 Lower Control Arm Bushing Replacer	Front suspension
	09726-40010 Lower Control Shaft Bearing Replacer	Rear differential
	09830-36010 Front Mounting Cushion Remover & Replacer	Front suspension
	09950-00020 Bearing Remover	Front drive shaft Front differential Front suspension Rear differential
	09950-00030 Bearing Remover Attachment	Front suspension Rear differential

	<p>09950-30012 Puller A Set</p>	<p>Front differential Rear differential</p>
	<p>(09951-03010) Upper Plate</p>	
	<p>(09953-03010) Center Bolt</p>	
	<p>(09954-03010) Arm</p>	
	<p>(09955-03030) Lower Plate 130</p>	
	<p>(09956-03020) Adapter 18</p>	
	<p>(09956-03040) Adapter 22</p>	
	<p>09950-4001 1 Puller B Set</p>	<p>Front suspension Front differential Rear differential</p>
	<p>(09951-04010) Hanger 150</p>	
	<p>(09951-04020) Hanger 200</p>	
	<p>(09952-04010) Slide Arm</p>	
	<p>(09953-04020) Center Bolt 150</p>	
	<p>(09953-04030) Center Bolt 200</p>	

PREPARATION - SUSPENSION AND AXLE



	<p>(09954-04010) Arm 25</p>	
	<p>(09955-04061) Claw No.6</p>	
	<p>(09957-04010) Attachment</p>	
	<p>(09958-0401 1) Holder</p>	
	<p>09950-60010 Replacer Set</p>	<p>Front axle Rear differential</p>
	<p>(09951-00400) Replacer 40</p>	
	<p>(09951-00410) Replacer 41</p>	
	<p>(09951-00480) Replacer 48</p>	
	<p>(09951-00540) Replacer 54</p>	
	<p>(09951-00580) Replacer 58</p>	
	<p>09950-60020 Replacer Set No.2</p>	<p>Front axle Front differential Rear axle Rear differential</p>
	<p>(09951-00710) Replacer 71</p>	
	<p>(09951-00730) Replacer 73</p>	

	<p>(09951-00780) Replacer 78</p>	
	<p>(09951-00810) Replacer 81</p>	
	<p>(09951-00890) Replacer 89</p>	
	<p>(09951-00910) Replacer 91</p>	
	<p>(09951-01030) Replacer 103</p>	
	<p>09950-70010 Handle Set</p>	<p>Front axle Front and rear differential Front and rear suspension Rear axle</p>
	<p>(09951-07100) Handle 100</p>	
	<p>(09951-07150) Handle 150</p>	

EQUIPMENT

Graduated cylinder	Injector
OBD II scan tool	
Sound scope	Injector
Torque wrench	
Vacuum gauge	


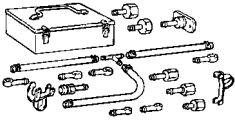
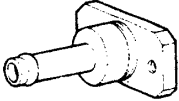
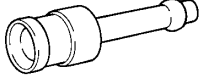

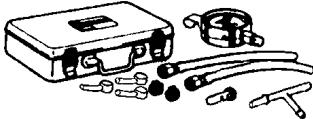
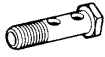

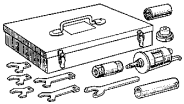
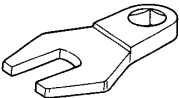


RECOMMENDED TOOLS

	<p>09082-00040 TOYOTA Electrical Tester.</p>	
	<p>09258-00030 Hose Plug Set .</p>	<p>Plug for vacuum hose, fuel hose etc.</p>

SFI

SST (Special Service Tools)

PP0U3-05

	09023-12700	Union Nut Wrench 17mm	Fuel line flare nut
	09268-41047	Injection Measuring Tool Set	
	(09268-41091)	NO.7 Union	
	(09268-41 110)	Adaptor	
	(09268-41300)	Clamp	
	09268-45014	EFI Fuel Pressure Gauge	
	(09268-41 190)	Adaptor	
	(90405-06167)	I Union	
	09612-24014	Steering Gear Housing Overhaul Tool Set	
	(09617-2401 1)	Steering Rack Wrench	Fuel pressure pulsation damper
	09816-30010	Oil Pressure Switch Socket	Knock sensor
	09842-30070	Wiring "F" EFI Inspection	

EQUIPMENT

Caliper gauge	PS vane pump
Vernier Calipers	PS vane pump
Dial indicator	PS gear
Feeler gauge	PS vane pump
Micrometer	PS vane pump
Torque wrench	

LUBRICANT

Item	Capacity	Classification
Power steering fluid Total	0.8 liters (0.9 US qts, 0.7 Imp.qts)	ATF DEXRON® II or III

RECOMMENDED TOOLS


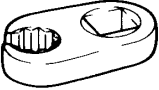
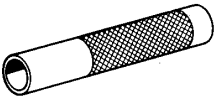
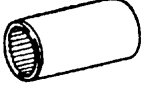

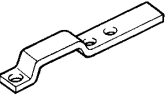
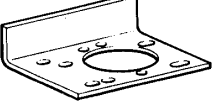
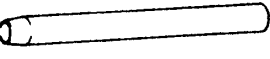
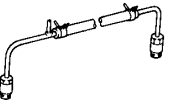
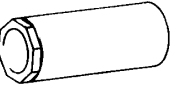
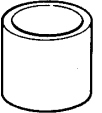
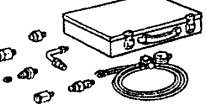
	<p>09025-00010 Torque Wrench (30 kgf-cm)</p>	<p>PS vane pump PS gear</p>
	<p>09042-00010 Torx Socket T30 .</p>	<p>Tilt steering column Power tilt and power telescopic steering column</p>
	<p>09904-00010 Expander Set .</p>	
	<p>(09904-00050) No. 4 Claw</p>	
	<p>09905-00012 Snap Ring No.1 Expander .</p>	

SSM (Special Service Materials)

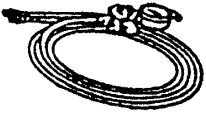

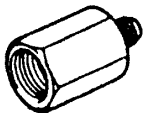
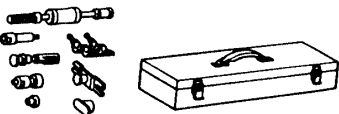

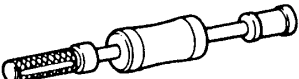
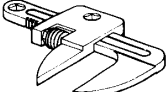

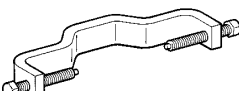
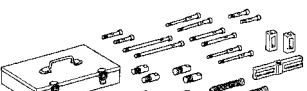
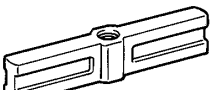
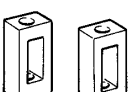
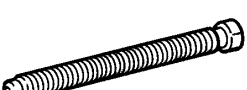
08833-00080 Adhesive 1344 THREE BOND 1344 LOCTITE 242 or equivalent	PS gear
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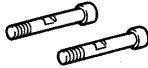
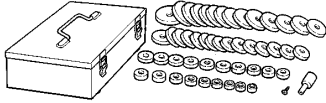






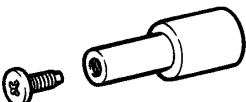
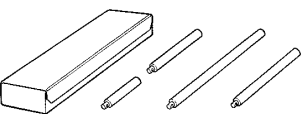

STEERING**SST (Special Service Tools)**

PP3X9-01



	09023-38200	Union Nut Wrench 12mm	POWER STEERING GEAR
	09023-38400	Union Nut Wrench 14mm	POWER STEERING GEAR
	09612-2201 1	Tilt Handle Bearing Replacer	TILT STEERING COLUMN
	09616-0001 1	Steering Worm Bearing Adjusting Socket	POWER STEERING GEAR
	09630-00014	Power Steering Gear Housing Overhaul Tool Set	POWER STEERING GEAR POWER STEERING VANE PUMP
	(09631-00132)	Vane Pump Bracket	POWER STEERING VANE PUMP
	(09631-00142)	Overhaul Stand	POWER STEERING GEAR
	09631-00350	Steering Rack Cover 35	POWER STEERING GEAR
	09631-12071	Steering Rack Oil Seal Test Tool	POWER STEERING GEAR
	09631-20060	Bearing Guide Nut Wrench	POWER STEERING GEAR
	09631-20081	Seal Ring Tool	POWER STEERING GEAR
	09640-10010	Power Steering Pressure Gauge Set	POWER STEERING FLUID

PREPARATION - STEERING

	(09641-01010) Gauge Assy	POWER STEERING FLUID
	(09641-01030) Attachment B	POWER STEERING FLUID
	(09641-01060) Attachment E	POWER STEERING FLUID
	09910-00015 Puller Set	POWER TILT AND POWER TELESCOPIC STEERING COLUMN
	(09911-0001 1) Puller Clamp	POWER TILT AND POWER TELESCOPIC STEERING COLUMN
	(09912-00010) Puller Slide Hammer	POWER TILT AND POWER TELESCOPIC STEERING COLUMN
	09922-10010 Variable Open Wrench	POWER STEERING GEAR
	09950-4001 1 Puller B Set	POWER TILT AND POWER TELESCOPIC STEERING COLUMN TILT STEERING COLUMN
	(09958-0401 1) Holder	POWER TILT AND POWER TELESCOPIC STEERING COLUMN TILT STEERING COLUMN
	09950-50013 Puller C Set	TILT STEERING COLUMN
	(09951-05010) Hanger 150	TILT STEERING COLUMN
	(09952-05010) Slide Arm	TILT STEERING COLUMN
	(09953-05020) Center Bolt 150	TILT STEERING COLUMN

	(09954-05021) Claw No.2	TILT STEERING COLUMN
	09950-60010 Replacer Set	POWER STEERING GEAR POWER STEERING VANE PUMP
	(09951-00180) Replacer 18	POWER STEERING GEAR
	(09951-00260) Replacer 26	POWER STEERING GEAR
	(09951-00280) Replacer 28	POWER STEERING GEAR POWER STEERING VANE PUMP
	(09951-00320) Replacer 32	POWER STEERING GEAR
	(09951-00330) Replacer 33	POWER STEERING GEAR
	(09951-00360) Replacer 36	POWER STEERING GEAR
	(09952-06010) Adapter	POWER STEERING GEAR
	09950-70010 Handle Set	POWER STEERING GEAR POWER STEERING VANE PUMP
	(09951-07100) Handle 100	POWER STEERING GEAR POWER STEERING VANE PUMP


PREPARATION - STEERING

	(09951-07150) Handle 150	POWER STEERING GEAR
	(09951-07200) Handle 200	POWER STEERING GEAR

EQUIPMENT

Dial indicator	Commutator
Magnetic finger	Steel ball
Pull scale	Brush spring
Sandpaper	Commutator
Torque wrench	
V-block	Commutator
Vernier calipers	Commutator, Brush

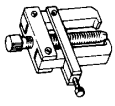
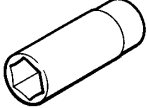

RECOMMENDED TOOLS

	09082-00040 TOYOTA Electrical Tester.	
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STARTING

SST (Special Service Tools)

PP1AZ-06

	<p>09286-4601 1 Injection Pump Spline Shaft Puller</p>	<p>Armature front bearing</p>
	<p>09810-38140 Starter Magnet Switch Nut Wrench 14</p>	
	<p>09820-00031 Alternator Rear Bearing Replacer</p>	<p>Armature bearing</p>

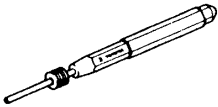
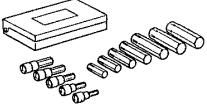
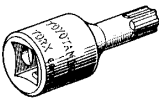
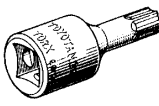
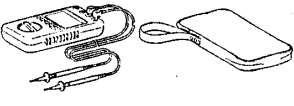
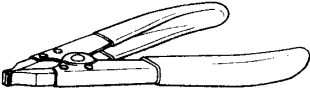
EQUIPMENT

Dial indicator	Cylinder gauge
Straight edge	
Torque wrench	
Magnetic finger	
Feeler gauge	
Vernier calipers	
Micrometer	

LUBRICANT

Item	Capacity	Classification
Transfer oil	1.3 liters (1.4 US qts, 1.1 Imp. qts)	API GL-4 or GL-5 SAE 75W-90

RECOMMENDED TOOLS

	<p>09031-00030 Pin Punch .</p>	
	<p>09040-0001 1 Hexagon Wrench Set .</p>	
	<p>09042-00010 Torx Socket T30 .</p>	
	<p>09042-00020 Torx Socket T40 .</p>	
	<p>09082-00040 TOYOTA Electrical Tester.</p>	
	<p>09905-00012 Snap Ring No.1 Expander .</p>	

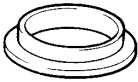
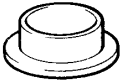
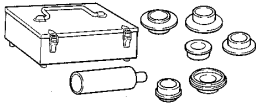
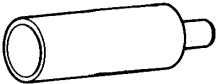


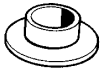



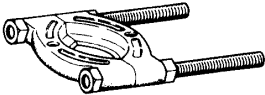
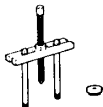
SSM (Special Service Materials)

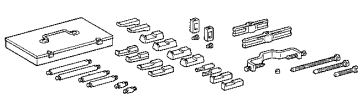
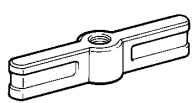
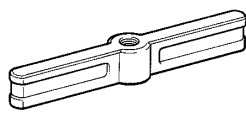
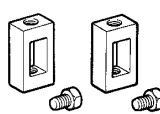
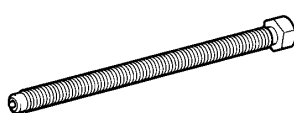
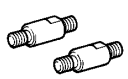
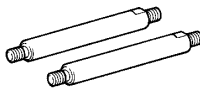
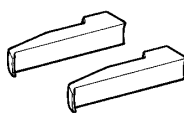
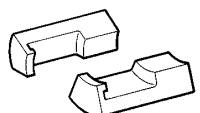
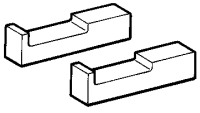
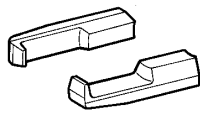

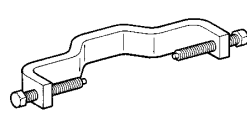
08826-00090	Seal Packing 1281, THREE BOND 1281 or equivalent (FIPG)	Front case x Rear case Rear case x Case cover Case x Extension housing Motor actuator x Front case
08833-00080	Adhesive 1344 THREE BOND 1344 LOCTITE 242 or equivalent	Straight Screw plug Case cover set bolt Rear case set bolt

TRANSFER

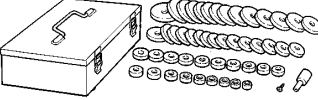




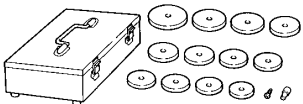


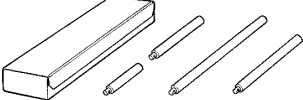

SST (Special Service Tools)

PP1YS-02

	09316-12010	Transfer Bearing Replacer	Center differential
	09316-2001 1	Transfer Bearing Replacer	Front extension housing, Rear extension housing
	09316-6001 1	Transmission & Transfer Bearing Replacer	
	(09316-0001 1)	Replacer Pipe	Front extension housing, Rear extension housing, Idler gear, Transfer assembly, Center differential, Input shaft
	(09316-00021)	Replacer "A"	Rear extension housing
	(09316-00031)	Replacer "B"	Front extension housing, Rear extension housing, Idler gear, Transfer assembly, Input shaft
	(09316-00041)	Replacer "C"	Front extension housing, Rear extension housing
	(09316-00061)	Replacer "E"	Front extension housing
	(09316-00071)	Replacer "F"	Idler gear, Front extension housing
	09325-12010	Transmission Oil Plug	Rear extension housing
	09950-00020	Bearing Remover	Idler gear, Center differential
	09950-00030	Bearing Remover Attachment	Center differential

	<p>09950-4001 1 Puller B Set</p>	
	<p>(09951-04010) Hanger 150</p>	<p>Idler gear</p>
	<p>(09951-04020) Hanger 200</p>	<p>Input shaft, Front extension housing, Transfer assembly</p>
	<p>(09952-04010) Slide Arm</p>	<p>Input shaft, Idler gear, Front extension housing, Transfer assembly</p>
	<p>(09953-04030) Center Bolt 200</p>	<p>Input shaft, Idler gear, Front extension housing, Transfer assembly</p>
	<p>(09954-04010) Arm 25</p>	<p>Input shaft, Front extension housing, Transfer assembly, Idler gear</p>
	<p>(09954-04020) Arm 100</p>	<p>Front extension housing</p>
	<p>(09955-0401 1) Claw No.1</p>	<p>Input shaft</p>
	<p>(09955-04021) Claw No.2</p>	<p>Front extension housing</p>
	<p>(09955-04051) Claw No.5</p>	<p>Front extension housing</p>
	<p>(09955-04061) Claw No.6</p>	<p>Idler gear, Transfer assembly</p>
	<p>(09957-04010) Attachment</p>	<p>Input shaft, Idler gear, Front extension housing, Transfer assembly</p>
	<p>(09958-0401 1) Holder</p>	<p>Input shaft, Idler gear, Front extension housing</p>

PREPARATION - TRANSFER

	09950-60010 Replacer Set	
	(09951-00270) Replacer 27	Transfer assembly
	(09951-00320) Replacer 32	Transfer assembly, Center differential
	(09951-00330) Replacer 33	Idler gear
	(09951-00400) Replacer 40	Input shaft
	09950-60020 Replacer Set No.2	
	(09951-00790) Replacer 79	Transfer assembly
	(09951-00890) Replacer 89	Transfer assembly
	09950-70010 Handle Set	Transfer assembly, Center differential
	(09951-07150) Handle 150	Transfer assembly