
PREPARATION

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REFER TO FOLLOWING REPAIR MANUALS:

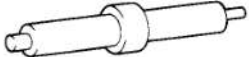
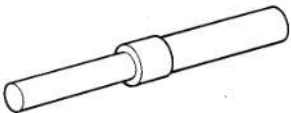
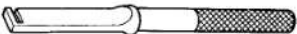
Manual Name	Pub. No.
AVENSIS/CORONA Chassis and Body Repair Manual	RM599E
AVENSIS/CORONA Chassis and Body Repair Manual Supplement (Aug., 1999)	RM698E

NOTE: The above pages contain only the points which differ from the above listed manuals.

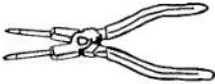
CLUTCH

SST (Special Service Tools)

PP119-02

	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	Clutch accumulator

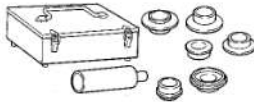
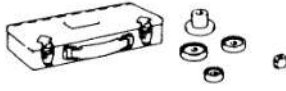
RECOMMENDED TOOLS

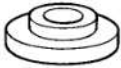
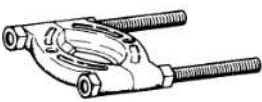
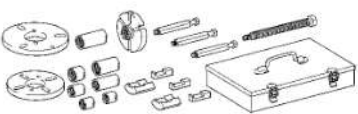
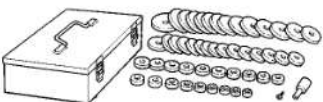
	09031-00030 Pin Punch .	Reservoir tank
	09905-00013 Snap Ring Pliers .	

MANUAL TRANSAXLE (C50, C250)

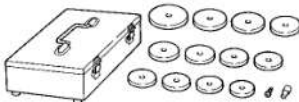
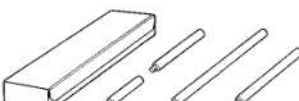
SST (Special Service Tools)

PP11B-02

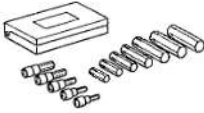
	09308-00010 Oil Seal Puller	Output shaft front bearing
	09309-12020 5th Driven Gear Replacer	
	09316-60011 Transmission & Transfer Bearing Replacer	Output shaft rear ball bearing
	(09316-00021) Replacer "A"	
	09350-32014 TOYOTA Automatic Transmission Tool Set	
	(09351-32111) Side Bearing Race Replacer	Differential case oil seal
	(09351-32130) Handle	
	(09351-32150) Oil Seal Replacer	Differential case oil seal
	09550-10013 Replacer Set "B"	Differential side bearing
	(09252-10010) No. 1 Replacer Handle	
	(09556-10011) Differential Drive Pinion Front Bearing Remover	
	09564-32011 Differential Preload Adaptor	

	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
	09950-30011 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

PREPARATION — MANUAL TRANSAXLE (C50, C250)

	(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 .	
	09040-00011 Hexagon Wrench Set .	
	09042-00010 Torx Socket T30 .	
	09905-00012 Snap Ring No.1 Expander .	

EQUIPMENT

Dial indicator with magnetic base	
Feeler gauge	
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

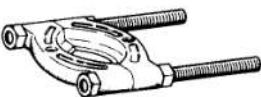
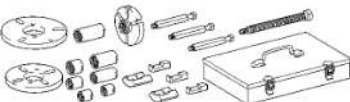
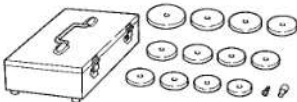
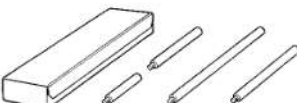
MANUAL TRANSAXLE (E351)

SST (Special Service Tools)

PP303-01

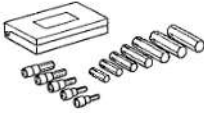
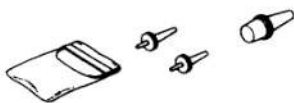
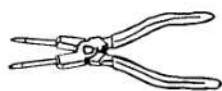
	09223-15020 Oil Seal & Bearing Replacer	Differential case oil seal
	09308-00010 Oil Seal Puller	Output shaft front bearing outer race
	09316-20011 Transfer Bearing Replacer	Differential case tapered roller bearing
	09316-60011 Transmission & Transfer Bearing Replacer	
	(09316-00011) Replacer Pipe	
	(09316-00021) Replacer "A"	
	(09316-00041) Replacer "C"	1st gear No.1 hub sleeve Differential case tapered roller bearing outer race
	(09316-00071) Replacer "F"	Output shaft front bearing
	09506-30012 Differential Drive Pinion Rear Bearing Cone Replacer	Output shaft rear bearing
	09506-35010 Differential Drive Pinion Rear Bearing Replacer	No.2 hub sleeve 3rd gear Input shaft rear bearing 1st gear bearing inner race
	09564-32011 Differential Preload Adaptor	Differential case tapered roller bearing preload
	09608-00081 Differential Side Bearing Cone Replacer	Input shaft oil seal

PREPARATION – MANUAL TRANSAXLE (E351)

	09612-65014	Steering Worm Bearing Puller	Input shaft bearing Differential case tapered roller bearing outer race
	09950-00020	Bearing Remover	
	09950-00030	Bearing Remover Attachment	Output shaft front bearing
	09950-30011	Puller A Set	5th driven gear No.3 clutch hub
	09950-40011	Puller B Set	Differential case tapered roller bearing
	(09957-04010)	Attachment	Differential case tapered roller bearing inner race
	09950-60010	Replacer Set	
	(09951-00530)	Replacer 53	Differential case tapered roller bearing inner race
	(09951-00580)	Replacer 58	Input shaft bearing
	(09951-00450)	Replacer 45	Differential case tapered roller bearing inner race
	09950-60020	Replacer Set No.2	
	(09951-00890)	Replacer 89	Differential case tapered roller bearing outer race
	09950-70010	Handle Set	

 (09951-07150) Handle 150	
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RECOMMENDED TOOLS

	09025-00010 Torque Wrench (30 kgf-cm)	Differential preload
	09031-00030 Pin Punch .	
	09040-00011 Hexagon Wrench Set .	
	09042-00040 Torx Socket T50 .	
	09042-00050 Torx Socket T45 .	
	09082-00040 TOYOTA Electrical Tester.	
	09258-00030 Hose Plug Set .	
	09905-00012 Snap Ring No.1 Expander .	
	09905-00013 Snap Ring Pliers .	

EQUIPMENT

Dial indicator with magnetic base	
Feeler gauge	
Magnetic finger	
Micrometer	
Plastigage	
Precision straight edge	
Torque wrench	
Vise	

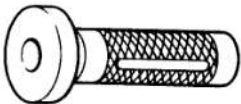
LUBRICANT

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

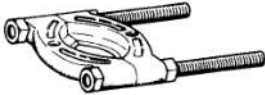
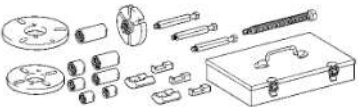
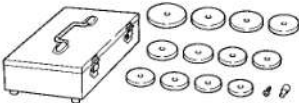
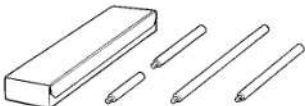
MANUAL TRANSAXLE (S54, S55)

SST (Special Service Tools)

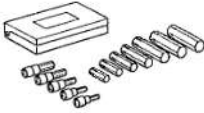
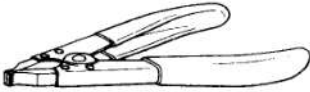
PP012-07

	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

PREPARATION — MANUAL TRANSAXLE (S54, S55)

	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	
	09950-30011	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 .	
	09040-00011 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

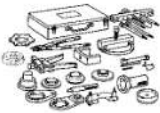
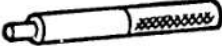
SSM (Special Service Materials)

08826-00090	Seal Packing 1281, THREE BOND 1281 or equivalent (FIPG)	Transmission case x Transaxle case Transmission case x Case cover
08833-00070	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 (A246E)

SST (Special Service Tools)

PP2J6-02

	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	
	(09351-32130) Handle	
	(09351-32150) Oil Seal Replacer	
	09992-00095 Automatic Transmission Oil Pressure Gauge Set	
	(09992-00231) Adaptor C	
	(09992-00271) Gauge Assy	

RECOMMENDED TOOLS

	09082-00040 TOYOTA Electrical Tester.	
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EQUIPMENT

Vernier calipers	Torque converter
Dial indicator or dial indicator with magnetic base	Drive plate
Straight edge	Torque converter
Torque wrench	

LUBRICANT

Item	Capacity	Classification
Automatic transmission 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)	

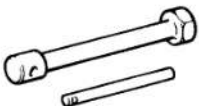
SSM (Special Service Materials)

08833-00080	Adhesive 1344 THREE BOND 1344 LOCTITE 242 or equivalent	
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AUTOMATIC TRANSAXLE (U240E)

SST (Special Service Tools)

PP2J6-03

	09223-00010	Cover & Seal Replacer	
	09308-00010	Oil Seal Puller	
	09350-32014	TOYOTA Automatic Transmission Tool Set	
	(09351-32010)	One-way Clutch Test Tool	
	(09351-32020)	Stator Stopper	
	(09351-32130)	Handle	
	(09351-32150)	Oil Seal Replacer	
	09992-00095	Automatic Transmission Oil Pressure Gauge Set	
	(09992-00231)	Adaptor C	
	(09992-00271)	Gauge Assy	

RECOMMENDED TOOLS

	09082-00040 TOYOTA Electrical Tester.	
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EQUIPMENT

Vernier calipers	Torque converter
Dial indicator or dial indicator with magnetic base	Drive plate
Straight edge	Torque converter
Torque wrench	

LUBRICANT

Item	Capacity	Classification
Automatic transmission fluid		
Dry fill	7.4 liters (7.8 US qts, 6.5 Imp. qts)	ATF Type T-IV
Drain and refill	4.1 liters (4.3 US qts, 3.6 Imp. qts)	

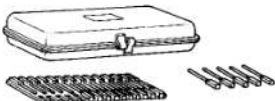
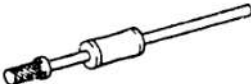
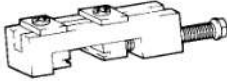
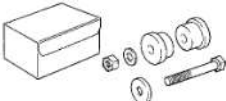
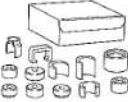
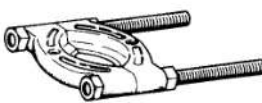
SSM (Special Service Materials)

08833-00080	Adhesive 1344 THREE BOND 1344 LOCTITE 242 or equivalent	
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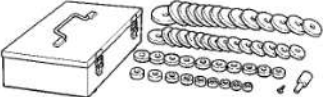
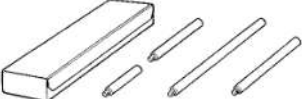
SUSPENSION AND AXLE

SST (Special Service Tools)

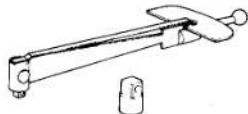
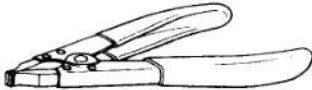
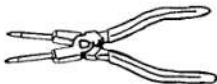
PP3CN-01

	09240-00020 Wire Gauge Set	Front drive shaft
	09506-35010 Differential Drive Pinion Rear Bearing Replacer	Front drive shaft
	09520-01010 Drive Shaft Remover Attachment	Front drive shaft
	09520-24010 Differential Side Gear Shaft Puller	Front drive shaft
	(09520-32040) Shocker Set	
	09521-24010 Drive Shaft Boot Clamping Tool	Front drive shaft
	09608-16042 Front Hub Bearing Adjusting Tool	Front drive shaft
	(09608-02021) Bolt & Nut	
	(09608-02041) Retainer	
	09710-30021 Suspension Bushing Tool Set	Front drive shaft
	(09710-03141) Bushing Remover Base	
	09950-00020 Bearing Remover	Front axle Front drive shaft

PREPARATION – SUSPENSION AND AXLE

	09950-60010 Replacer Set	
	(09951-00640) Replacer 64	Front axle Front drive shaft
	09950-70010 Handle Set	
	(09951-07150) Handle 150	Front axle Front drive shaft

RECOMMENDED TOOLS

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

EQUIPMENT

Dial indicator	
Torque wrench	

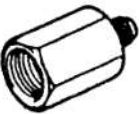
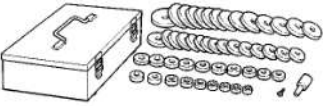
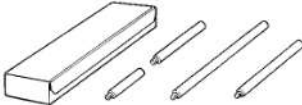
LUBRICANT

Item		Capacity	Application
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.)	

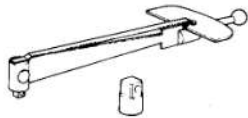
STEERING

SST (Special Service Tools)

PP2JE-03

	09023-12700	Union Nut Wrench 17mm	PS vane pump (1ZZ-FE, 3ZZ-FE)
	09249-63010	Torque Wrench Adaptor	PS vane pump (1AZ-FSE)
	09640-10010	Power Steering Pressure Gauge Set	Power steering fluid
	(09641-01010)	Gauge Assy	
	(09641-01030)	Attachment B	
	(09641-01060)	Attachment E	
	09950-60010	Replacer Set	
	(09951-00280)	Replacer 28	PS vane pump (1ZZ-FE, 3ZZ-FE) PS vane pump (1AZ-FSE)
	09950-70010	Handle Set	
	(09951-07100)	Handle 100	PS vane pump (1ZZ-FE, 3ZZ-FE) PS vane pump (1AZ-FSE)

RECOMMENDED TOOLS

	09025-00010 Torque Wrench (30 kgf-cm)	PS vane pump
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EQUIPMENT

Caliper gauge	PS vane pump
Vernier Calipers	PS vane pump
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

BODY ELECTRICAL RECOMMENDED TOOLS

PP090-04



09082-00050 TOYOTA Electrical Tester Set.

EQUIPMENT

Voltmeter	
Ammeter	
Ohmmeter	
Test lead	

BODY EQUIPMENT

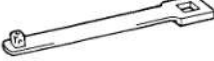
PPOM7-02

Clip remover	
Torque wrench	

AIR CONDITIONING

SST (Special Service Tools)

PP3D0-01

	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)
	07116-38360 Gas Leak Detector Assembly	
	09249-63010 Torque Wrench Adaptor	Drive belt (1AZ-FSE)
	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.	
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EQUIPMENT

Voltmeter	
Ammeter	
Ohmmeter	
Test lead	
Torque wrench	

LUBRICANT

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

