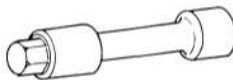
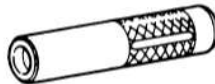
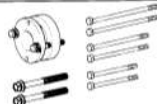


SST AND SSM

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SST (SPECIAL SERVICE TOOLS)	C-2
SSM (SPECIAL SERVICE MATERIALS)	C-17

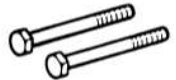
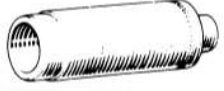
SST (SPECIAL SERVICE TOOLS)

Section			EM	TC	FI	LU	IG	ST	CH	CL	MT		AT	SA		BR	SR	AB	BE	BO
Part Name											E153	S54		Front	Rear					
Part No.																				
Illustration																				
	09011-38121	12 mm Socket Wrench for 12 Pointed Head	*1																	
	09032-00100	Oil Pan Seal Cutter				●														
	09043-38100	Hexagon 10 mm Wrench	*2																	
	09043-88010	Hexagon 8 mm Wrench													*3					
	09082-00700	SRS Airbag Deployment Tool																●		
	09201-41020	Valve Stem Oil Seal Replacer	●					*4												
	09201-60011	Valve Guide Bushing Remover & Replacer									●	●								
	09201-70010	Valve Guide Bushing Remover & Replacer	●																	
	09202-70010	Valve Spring Compressor	●																	
	09213-31021	Crankshaft Pulley Puller	*3															*5	*5	
	09213-54015	Crankshaft Pulley Holding Tool	●																	
	(09214-00030)	(Bolt)	*6																	

Remarks:

- *1 Cylinder head bolt and connecting rod nut (5S-FE only)
- *2 Cylinder head bolt (3S-GTE only)
- *3 3S-GTE only
- *4 Starter bearing for 1.4 kW (conventional) type and 1.6 kW
- *5 Steering wheel (USA)
- *6 5S-FE only

SST (SPECIAL SERVICE TOOLS) (Cont'd)

Section	Part Name	Part No.	Illustration	EM	TC	FI	LU	IG	ST	CH	CL	MT		AT	SA		BR	SR	AB	BE	BO
												E153	S54		Front	Rear					
	(90119-08216)	(Bolt)		*1																	
	09213-60017	Crankshaft Pulley & Gear Puller Set																			
	(09213-00020)	(Body with Bolt)		*2																	
	(09213-00030)	(Handle)		*2																	
	(09213-00050)	(Bolt Set)		*2																	
	09222-30010	Connecting Rod Bushing Remover & Replacer																			
	09223-15010	Crankshaft Rear Oil Seal Replacer																			
	09223-46011	Crankshaft Front Oil Seal Replacer		*3																	
	09223-50010	Crankshaft Front Oil Seal Replacer		*4																	
	09223-63010	Crankshaft Rear Oil Seal Replacer																			
	09226-10010	Crankshaft Front & Rear Bearing Replacer																			
	09228-06500	Oil Filter Wrench																			

Remarks:

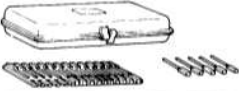
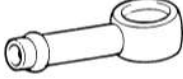
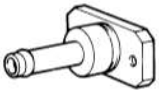
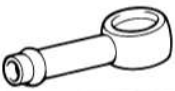
*1 3S-GTE only

*2 5S-FE only

*3 Camshaft oil seal (5S-FE only)

*4 Camshaft oil seal (3S-GTE only)

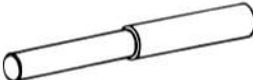
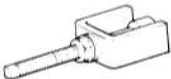
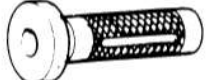
SST (SPECIAL SERVICE TOOLS) (Cont'd)

Section	Part Name	Part No.	Illustration	EM	TC	FI	LU	IG	ST	CH	CL	MT		AT	SA		BR	SR	AB	BE	BO
												E153	S54		Front	Rear					
	09240-00020	Wire Gauge Set						●						●							
	09248-55010	Valve Clearance Adjust Tool Set		●																	
	09249-63010	Torque Wrench Adaptor		*1	●																
	09268-41045	Injection Measuring Tool Set				●															
	(09268-41080)	(No. 6 Union)				●															
	(09268-41090)	(No. 7 Union)				*2	●														
	(90405-09015)	(No. 1 Union)				●															
	09268-45012	EFI Fuel Pressure Gauge				●															
	09268-74010	Injector Remover				*3	●														
	09278-54012	Drive Shaft Holding Tool		*4	●																
	09285-76010	Injection Pump Camshaft Bearing Cone Replacer							*5	*6											
	09286-46011	Injection Pump Spline Shaft Puller							*7	*8											

Remarks:

- *1 Camshaft timing pulley
- *2 5S-FE only
- *3 3S-GTE only
- *4 Camshaft timing pulley (5S-FE only)
- *5 Starter bearing for 1.0 kW type
- *6 Alternator rear bearing
- *7 Starter bearing
- *8 Rectifier end frame

SST (SPECIAL SERVICE TOOLS) (Cont'd)

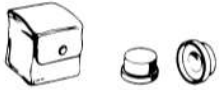
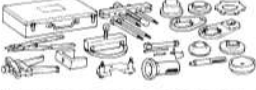
Section			EM	TC	FI	LU	IG	ST	CH	CL	MT		AT	SA		BR	SR	AB	BE	BO
Part Name											E153	S54		Front	Rear					
Part No.																				
Illustration																				
	09301-17010	Clutch Guide Tool								●	●									
	09301-32010	Clutch Guide Tool								●		●								
	09308-00010	Oil Seal Puller									●	●	●		● ^{*1}					
	09309-32050	5th Driven Gear Replacer										●								
	09310-17010	Transaxle Gear Remover & Replacer									●									
	(09310-07010)	(Plate)									●									
	(09310-07020)	(Center Bolt)									●									
	(09310-07030)	(Set Bolt)									●									
	(09310-07040)	(Claw)									●									
	(09310-07050)	(Adaptor)									●									
	09310-35010	Countershaft Bearing Replacer										●			● ^{*2}					
	09313-30021	Detent Ball Plug Socket									●	●								

Remarks:

*1 3S-GTE (LH)

*2 Rear axle hub

SST (SPECIAL SERVICE TOOLS) (Cont'd)

Section			EM	TC	FI	LU	IG	ST	CH	CL	MT		AT	SA		BR	SR	AB	BE	BO
Part Name											E153	S54		Front	Rear					
Part No.																				
Illustration																				
	09315-00021	Clutch Release Bearing Remover & Replacer													*1					
	09316-60010	Transmission & Transfer Bearing Replacer									●	●			●					
	(09316-00010)	(Replacer Pipe)									●	●			*2					
	(09316-00020)	(Replacer "A")									●									
	(09316-00030)	(Replacer "B")										●								
	(09316-00040)	(Replacer "C")									●				*2					
	(09316-00050)	(Replacer "D")									●									
	(09316-00070)	(Replacer "F")									●	●								
	09330-00021	Companion Flange Holding Tool	*3	●									●							
	09333-00013	Clutch Diaphragm Spring Aligner								●										
	09350-32014	TOYOTA Automatic Transmission Tool Set										●	●		●					
	(09351-32010)	(One-way Clutch) Test Tool											●							

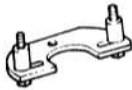
Remarks:

*1 Rear axle hub

*2 5S-FE (M/T) and 3S-GTE (RH)

*3 Crankshaft pulley

SST (SPECIAL SERVICE TOOLS) (Cont'd)

Section			EM	TC	FI	LU	IG	ST	CH	CL	MT		AT	SA		BR	SR	AB	BE	BO
Part Name											E153	S54		Front	Rear					
Part No.																				
Illustration																				
	(09351-32020)	(Stator Stopper)											●							
	(09351-32032)	(Counter Driven Gear Holding Tool)											●							
	(09351-32040)	(No. 1 Piston Spring Compressor)											●							
	(09351-32050)	(Snap Ring Expander)											●							
	(09351-32061)	(Oil Pump Puller)											●							
	(09351-32070)	(No. 2 Piston Spring Compressor)											●							
	(09351-32090)	(Oil Seal Remover & Replacer)										●	●							
	(09351-32100)	(Drive Pinion Bearing Replacer)											●							
	(09351-32111)	(Side Bearing Race Replacer)											●		● ^{*1}					
	(09351-32120)	(Overdrive Bearing Replacer)										●	●							
	(09351-32130)	(Handle)										●	●		● ^{*2}					
	(09351-32140)	(Oil Seal Replacer)											●							

Remarks:

*1 5S-FE (A/T LH)

*2 5S-FE (A/T RH)

SST (SPECIAL SERVICE TOOLS) (Cont'd)

Section			EM	TC	FI	LU	IG	ST	CH	CL	MT		AT	SA		BR	SR	AB	BE	BO
Part Name											E153	S54		Front	Rear					
Part No.																				
Illustration																				
	(09351-32150)	(Oil Seal Replacer)										●	●		● ^{*1}					
	(09351-32170)	(Lock Nut Wrench)											●							
	(09351-32180)	(Bearing Replacer)											●							
	(09351-32190)	(Measure Terminal)											●							
	09502-10012	Differential Side Bearing Puller										●	●							
	09506-30012	Differential Drive Pinion Rear Bearing Cone Replacer									●									
	09515-10010	Rear Axle Bearing Replacer										●								
	09517-36010	Rear Axle Shaft Oil Seal Replacer									●									
	09520-00031	Rear Axle Shaft Puller												●	●					
	09527-17010	Rear Axle Shaft Bearing Remover													●					
	09555-55010	Differential Drive Pinion Bearing Replacer											●							
	09564-32011	Differential Preload Adaptor										●	●							

Remark:

*1 5S-FE (A/T)

SST (SPECIAL SERVICE TOOLS) (Cont'd)

Section			EM	TC	FI	LU	IG	ST	CH	CL	MT		AT	SA		BR	SR	AB	BE	BO
Part Name											E153	S54		Front	Rear					
Part No.																				
Illustration																				
	09570-22011	Differential Mounting Cushion Remover & Replacer													*1					
	09608-12010	Front Hub & Drive Pinion Bearing Replacer Set									●									
	(09608-00020)	(Remover & Replacer) Handle									●									
	(09608-00060)	(Drive Pinion Front Bearing Cup Replacer)									●									
	(09608-00080)	(Differential Side Bearing Cone Replacer)									●									
	09608-16041	Front Hub Bearing Adjusting Tool													●					
	(09608-02010)	(Cover)													*1					
	(09608-02020)	(Bolt & Nut)													*2					
	(09608-02040)	(Retainer)													*2					
	09608-20012	Front Hub & Drive Pinion Bearing Tool Set							●		●				●					
	(09608-00030)	(Replacer)							*3		●									
	(09608-00040)	(Replacer)													●					

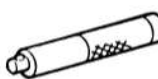
Remarks:

*1 3S-GTE only

*2 5S-FE only

*3 Alternator front bearing

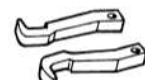
SST (SPECIAL SERVICE TOOLS) (Cont'd)

Section			EM	TC	FI	LU	IG	ST	CH	CL	MT		AT	SA		BR	SR	AB	BE	BO
Part Name											E153	S54		Front	Rear					
Part No.																				
Illustration																				
	(09608-00080)	(Replacer)										●								
	(09608-03020)	(Handle)										●			●					
	(09608-03060)	(Replacer)										●								
	09608-30012	Front Hub & Drive Pinion Bearing Tool Set													●					
	(09608-04020)	(Handle)													●					
	09609-20011	Steering Wheel Puller																●		
	09610-20012	Pitman Arm Puller													●					
	09612-00012	Rack & Pinion Steering Rack Housing Stand																●		
	09612-10093	Steering Gear Housing Overhaul Tool Set																●		
	(09617-10010)	(Steering Pinion Bearing Adjusting Screw Lock Nut Wrench)																●		
	(09628-10020)	(Ball Joint Lock Nut Wrench)																●		
	09612-10131	Hexagon Wrench																●		

Remarks:

- *1 Canada only
- *2 Manual steering gear housing
- *3 Power steering gear housing

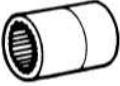
SST (SPECIAL SERVICE TOOLS) (Cont'd)

Section			EM	TC	FI	LU	IG	ST	CH	CL	MT		AT	SA		BR	SR	AB	BE	BO
Part Name											E153	S54		Front	Rear					
Part No.																				
Illustration																				
	09612-22011	Tilt Handle Bearing Replacer										●					●*1			
	09612-24014	Steering Gear Housing Overhaul Tool Set															●			
	(09612-10022)	(Hexagon Wrench)															●*2			
	(09612-10061)	(Steering Pinion Bearing Replacer)															●*2			
	(09613-22011)	(Steering Rack Shaft Bushing Puller)															●*3			
	(09616-10010)	(Steering Pinion Bearing Adjusting Socket)															●*2			
	(09616-10020)	(Steering Pinion Bearing Adjusting Screw Wrench)															●*2			
	(09617-22030)	(Steering Rack End Wrench)															●*3			
	(09617-24011)	(Steering Rack Wrench)															●*2			
	09612-65014	Steering Worm Bearing Puller										●								
	(09612-01020)	(Claw "B")										●								
	(09612-01060)	(Claw "E")										●								

Remarks:

- *1 Control valve housing oil seal (PS)
- *2 Manual steering gear housing
- *3 Power steering gear housing

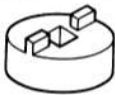
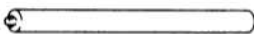
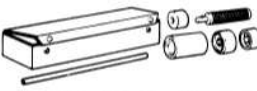
SST (SPECIAL SERVICE TOOLS) (Cont'd)

Section	Part Name	Part No.	Illustration	EM	TC	FI	LU	IG	ST	CH	CL	MT		AT	SA		BR	SR	AB	BE	BO
												E153	S54		Front	Rear					
	09616-00010	Steering Worm Bearing Adjusting Socket																*1			
	09616-30011	Steering Worm Bearing Adjusting Screw Wrench		*2																	
	09617-10020	Steering Rack End Wrench																*1			
	09620-30010	Steering Gear Box Replacer Set					●											●			
	(09627-30010)	(Steering Sector Shaft) Bushing Replacer					*3														
	(09631-00020)	(Handle)					*3											●			
	09628-10011	Ball Joint Puller													●	●					
	09628-62011	Ball Joint Puller														●		●			
	09630-24013	Steering Rack Oil Seal Tool Set																●			
	(09620-24010)	(Valve Cup Oil Seal) Remover																●			
	(09620-24020)	(Valve Cup Oil Seal) Replacer																●			
	(09620-24030)	(Valve Cup Bearing) Replacer																●			

Remarks:

- *1 Power steering gear housing
- *2 Oil pump pulley
- *3 Oil pump oil seal

SST (SPECIAL SERVICE TOOLS) (Cont'd)

Section			EM	TC	FI	LU	IG	ST	CH	CL	MT		AT	SA		BR	SR	AB	BE	BO
Part Name											E153	S54		Front	Rear					
Part No.																				
Illustration																				
	09631-10021	Rack Stopper Wrench															*1			
	09631-10040	Steering Rack Cover "D"															*1			
	09631-12020	Handle															*1			
	09631-12071	Steering Rack Oil Seal Test Tool															*1			
	09631-20031	Oil Seal "B" Remover															*1			
	09631-20070	Seal Ring Guide															*1			
	09631-20081	Seal Ring Tool															*1			
	09631-22020	Power Steering Hose Nut 14 x 17 mm Wrench Set			*2															
	09633-00020	Power Steering Hose Nut Wrench																		
	09649-17010	Steering Knuckle Tool													•					
	09709-29017	LSPV Gauge Set															•			
	09710-22041	Rear Suspension Bushing Tool Set														•				

Remarks:

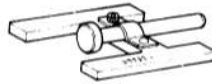
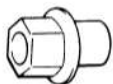
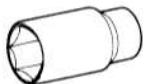
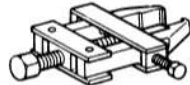
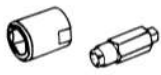
*1 Power steering gear housing

*2 Fuel line flare nut

SST (SPECIAL SERVICE TOOLS) (Cont'd)

Section			EM	TC	FI	LU	IG	ST	CH	CL	MT		AT	SA		BR	SR	AB	BE	BO
Part Name											E153	S54		Front	Rear					
Part No.																				
Illustration																				
	(09710-02050)	(Base)													●					
	09710-30030	Rear Suspension Bushing Tool Set											●							
	(09710-03160)	(Remover)											●							
	09719-14020	Rear Disc Brake Tool Set														●				
	(09719-00020)	(Piston Driver)														●				
	09720-00012	Shock Absorber Overhaul Tool Set												●						
	(09721-00071)	(Front Shock Absorber) Ring Nut Wrench												●						
	09726-10010	Lower Suspension Arm Bushing Remover & Replacer													●					
	(09726-00030)	(Spacer)													●					
	09727-00045	Arm Set "B"												●						
	09727-30020	Coil Spring Compressor												●	●					
	09729-22031	Front Spring Upper Seat Holder												●						

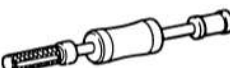
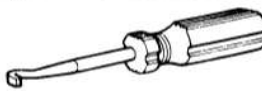
SST (SPECIAL SERVICE TOOLS) (Cont'd)

Section			EM	TC	FI	LU	IG	ST	CH	CL	MT		AT	SA		BR	SR	AB	BE	BO
Part Name											E153	S54		Front	Rear					
Part No.																				
Illustration																				
	09737-00010	Brake Booster Push Rod Gauge															●			
	09751-36011	Brake Tube Union Nut 10 x 12 mm Wrench								●							●			
	09756-00010	Adjusting Bolt Guide Nut															●			
	09812-00010	Door Hinge Set Bolt Wrench																		●
	09816-30010	Oil Pressure Switch Socket	*1	●																
	09817-16011	Back-up Light Switch Tool									●									
	09820-00021	Alternator Rear Bearing Puller							*2	●										
	09820-00030	Alternator Rear Bearing Replacer						*3	●											
	09820-63010	Alternator Pulley Set Nut Wrench Set								●										
	09842-30050	Wire "A" EFI Inspection			●															
	09842-30060	Wire "E" EFI Inspection			*4	●														
	09842-30070	Wire "F" EFI Inspection			*5	●														

Remarks:

- *1 Knock sensor (3S-GTE only)
- *2 Alternator rear bearing
- *3 Starter bearing for 1.4 kW (compact) type
- *4 3S-GTE only
- *5 5S-FE only

SST (SPECIAL SERVICE TOOLS) (Cont'd)

Section			EM	TC	EC	FI	LU	IG	ST	CH	CL	MT		AT	SA		BR	AB	BE	BO	EC
Part Name	Part No.	Illustration										E153	S54		Front	Rear					
	09843-18020	Diagnosis Check Wire	●		●	●		●						●			●	●	●		
	09910-00015	Puller Set																	●		
	(09911-00011)	(Puller Clamp)																	●		
	(09912-00010)	(Puller Slide Hammer)																	●		
	09921-00010	Spring Tension Tool											●	●							
	09950-00020	Bearing Remover											●	●	●	●					
	09950-20017	Universal Puller											●	●		●	●	●			
	09990-00150	ABS (Anti-lock Brake System) Actuator Checker and Sub-harness																●			
	09992-00094	Automatic Transmission Oil Pressure Gauge Set													●						
	09992-00241	Turbocharger Pressure Gauge		●																	●

Remark:

*1 3S-GTE only

NOTE: For reference to SSTs for the Air Conditioning System see page AC-7.

SSM (SPECIAL SERVICE MATERIALS)

Part Name	Part No.	Sec.	Use etc.
Seal packing or equivalent	08826-00080	EM	Cylinder head semi-circular plug Cylinder head Camshaft bearing cap
		LU	Oil pan
Seal packing 1281, Three bond 1281 or equivalent	08826-00090	MT	(S54) Transmission case Transmission case cover (E153) Transmission case Transaxle case cover
Seal packing 1121, Three bond 1121 or equivalent	08826-00801	SA	Inboard joint cover
Adhesive 1324, Three bond 1324 or equivalent	08833-00070	EM	Flywheel mount bolt for M/T (3S-GTE) Flywheel or drive plate mount bolt (5S-FE)
		EC	EVAP BVS
		MT	Rear bearing retainer set bolts
		AT	Torque converter set bolts Oil gallery cover set bolts
Adhesive 1344, Three bond 1344, Loctite 242 or equivalent	08833-00080	EM	No.1 idler pulley pivot bolt (3S-GTE)
		LU	Oil pressure switch
		MT	(S54) Plug threads Idler gear shaft lock bolt Side bearing retainer set bolts Transmission case cover set bolts (E153) Plug threads Transaxle case cover set bolts Control shaft cover set bolts
		AT	Transaxle housing set bolts
		SR	(Manual steering gear housing) Pinion bearing adjusting screw Pinion bearing adjusting screw lock nut Rack guide spring cap Rack guide spring cap lock nut (Power steering gear housing) Rack housing cap Rack guide spring cap Rack guide spring cap lock nut
Adhesive 1131, Three bond 1131, Loctite 518 or equivalent	08833-00090	AT	Transaxle rear cover Transaxle housing

SSM (SPECIAL SERVICE MATERIALS) (Cont'd)

Part Name	Part No.	Sec.	Use etc.
Dupont paste No.4817	–	BE	Rear window defogger wire
Windshield glass adhesive set No.15	08850-00070	BO	Windshield (0 – 15°C or 32 – 59°F)
Windshield glass adhesive set No.35	08850-00080	BO	Windshield (15 – 35°C or 59 – 95°F)
Windshield glass adhesive set No.45	08850-00090	BO	Windshield (35 – 45°C or 95 – 113°F)
Dam kit	04562-12010	BO	Windshield
Butyl tape set	08850-00065	BO	Moulding Quarter window glass
Auto glass sealer	08833-00030	BO	Moulding Windshield Back window glass

NOTE: For reference to SSMs for the Air Conditioning System see page AC-7.