
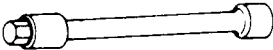

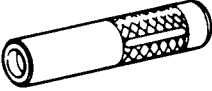


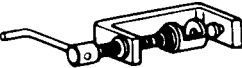
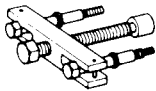
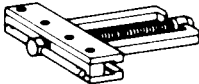
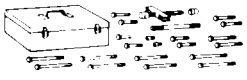
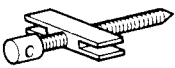


SST AND SSM

	Page
SST (SPECIAL SERVICE TOOLS)	C-2
SSM (SPECIAL SERVICE MATERIALS)	C-18

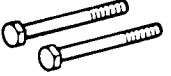







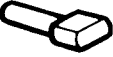



SST (SPECIAL SERVICE TOOLS)

Section																		
Part Name																		
Part No.	EM	TC	FI	CO	LU	ST	CH	CL	MT	AT	PR	FA	RA	BR	SR	AB	BE	BO
Illustration																		
	09032-00100				●					●								
	09043-38100	●																
	09082-00700															●		
	09201-41020	●				* 1												
	09201-60011								●	●								
	09201-70010	●																
	09202-70010	●																
	09213-31021	●							●						●	●		
	09213-36020								●			●						
	09213-60017	●																
	(09213-00020)	●																
	(09213-00030)	●																

Remarks:

- *1 Armature front bearing
- *2 Speedometer driven gear oil seal
- *3 No. 5 gear spline piece (R154 only)
- *4 USA/Steering wheel
- *5 Steering wheel
- *6 Counter rear bearing and 5th gear (W58 only)
- *7 Axle hub


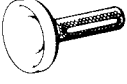
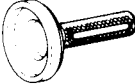
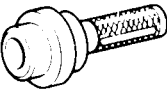




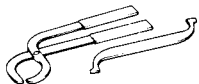

SST (SPECIAL SERVICE TOOLS) (Cont'd)

Section			EM	TC	FI	CO	LU	ST	CH	CL	MT	AT	PR	FA	RA	BR	SR	AB	BE	BO	
Part Name																					
Part No.																					
Illustration																					
	(09213-00050)	(Bolt Set)	●																		
	09213-70010	Crankshaft Pulley Holding Tool	●																		
	09214-41010	Crankshaft Damper & Gear Replacer	*1																		
	09214-60010	Crankshaft Pulley & Gear Replacer	*2																		
	09215-00100	Camshaft Bearing Remover & Replacer Set "A"	●																		
	(09215-00120)	(Gate "A")	●																		
	(09215-00130)	(Bolt)	●																		
	(09215-00140)	(Nut)	●																		
	(09215-00160)	(Pin)	●																		
	(09215-00210)	(Remover & Replacer)	●																		
	(09215-00220)	(Remover & Replacer)	●																		
	09218-56020	Cylinder Liner Remover & Replacer													*3						

Remarks:

- *1 Oil pump drive shaft oil seal
- *2 Crankshaft front oil seal
- *3 Axle carrier dust cover

SST (SPECIAL SERVICE TOOLS) (Cont'd)

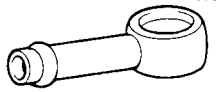



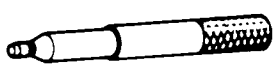
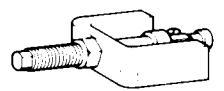


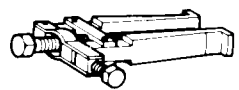
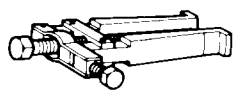
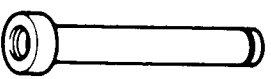

Section	Part Name	Part No.	Illustration	EM	TC	FI	CO	LU	ST	CH	CL	MT	AT	PR	FA	RA	BR	SR	AB	BE	BO	
					●																	
		09222-30010	Connecting Rod Bushing Remover & Replacer		●																	
																	●					
		09223-15010	Crankshaft Rear Oil Seal Replacer														●					
					●																	
		09223-41020	Crankshaft Rear Oil Seal Replacer		●																	
					●																	
		09223-50010	Crankshaft Front Oil Seal Replacer		●																	
									●													
		09228-07500	Oil Filter Wrench					●														
									●													
		09230-00010	Radiator Service Tool Set					●														
																						
		09238-47012	Water Pump Bearing Remover & Replacer																			
																						
		09240-00020	Wire Gauge Set																			
					●																	
		09248-55010	Valve Clearance Adjust Tool Set		●																	
																						
		09268-41045	Injection Measuring Tool Set																			
		(09268-41080)	(No. 6 Union)																			
		(09268-52010)	(Injection Measuring Attachment)																			

Remarks:

*1 Axle carrier oil seal (Inside)

*2 No. 3 clutch hub shifting key retainer (W58 only)

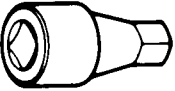
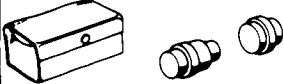






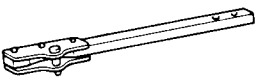

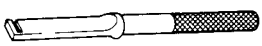
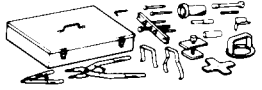
SST (SPECIAL SERVICE TOOLS) (Cont'd)

Section														EM	TC	FI	CO	LU	ST	CH	CL	MT	AT	PR	FA	RA	BR	SR	AB	BE	BO					
Part Name																																				
Part No.																																				
Illustration																																				
	(90405-09015)	(No. 1 Union)																																		
	09268-45012	EFI Fuel Pressure Gauge																																		
	09278-54012	Drive Shaft Holding Tool	*1																																	
	09286-46011	Injection Pump Spline Shaft Puller									*3	*4																								
	09301-20020	Clutch Guide Tool																																		
	09303-35011	Input Shaft Front Bearing Puller																																		
	09304-30012	Input Shaft Front Bearing Replacer																																		
	09308-00010	Oil Seal Puller																																		
	09308-10010	Oil Seal Puller																																		
	09308-55010	Oil Seal Puller																																		
	09309-35010	Transmission Rear Bearing Replacer																																		
	09312-20011	Transmission Gear Remover & Replacer																																		

Remarks:

- *1 Camshaft timing pulley
- *2 PS pump pulley
- *3 Armature bearing
- *4 Rectifier end frame
- *5 W58 only
- *6 R154 only


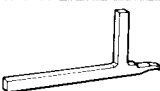


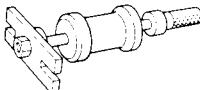

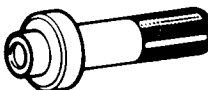
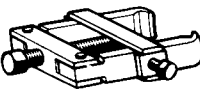
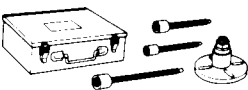
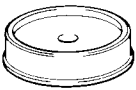

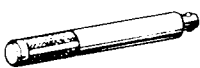
SST (SPECIAL SERVICE TOOLS) (Cont'd)

Section	Part Name	Part No.	Illustration	EM	TC	FI	CO	LU	ST	CH	CL	MT	AT	PR	FA	RA	BR	SR	AB	BE	BO
		09313-30021	 Detent Ball Plug Socket									● *1						● *2			
		09315-00010	 Clutch Release Bearing Remover & Replacer								● *3										
		09316-60010	 Transmission & Transfer Bearing Replacer									●				●					
		(09316-00010)	 (Replacer Pipe)									● *1				● *4					
		(09316-00030)	 (Replacer "B")									● *5									
		(09316-00070)	 (Replacer "F")									● *1									
		09325-20010	 Transmission Oil Plug									● *1	● *1								
		09325-40010	 Transmission Oil Plug									● *5	● *6								
		09330-00021	 Companion Flange Holding Tool	● *7										●		●					
		09332-25010	 Universal Joint Bearing Remover & Replacer											●							
		09333-00013	 Clutch Diaphragm Spring Aligner								●										
		09350-30020	 TOYOTA Automatic Transmission Tool Set										●								

Remarks:





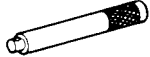



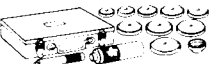
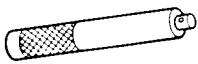


- *1 W58 only
- *2 Pressure control valve (w/ PPS)
- *3 7M-GE only
- *4 Differential carrier side bearing
- *5 R154 only
- *6 A/T and R154 M/T
- *7 Crankshaft oil seal

SST (SPECIAL SERVICE TOOLS) (Cont'd)

Section																		
Part Name																		
Part No.	EM	TC	FI	CO	LU	ST	CH	CL	MT	AT	PR	FA	RA	BR	SR	AB	BE	BO
Illustration																		
 (09351-32140) (Oil Seal Replacer)										●								
 09504-22011 Differential Side Washer Remover & Replacer													●					
 09506-30012 Differential Drive Pinion Bearing Cone Replacer									●	*			●					
 09506-35010 Differential Drive Pinion Rear Bearing Replacer	●								●	*								
 09520-24010 Differential Side Gear Shaft Puller													●					
 09527-20011 Rear Axle Shaft Bearing Remover													●	*				
 09554-30011 Differential Oil Seal Replacer													●					
 09556-22010 Drive Pinion Front Bearing Remover													●					
 09557-22022 Companion Flange Remover & Replacer											●		●					
 09608-10010 Steering Knuckle Oil Seal Replacer													●	*				
 09608-12010 Front Hub & Drive Pinion Bearing Replacer Set									●									
 (09608-00020) Remover & Replacer Handle									●	*								

- Remarks:
- *1 Output shaft center bearing (W58 only)
 - *2 Crankshaft front oil seal
 - *3 Input shaft bearing (W58, R154)
No. 2 hub sleeve assembly (R154 only)
 - *4 Lower control arm bushing
 - *5 Differential side gear shaft oil seal
 - *6 Output shaft rear bearing outer race (W58)
Counter rear bearing (R154)




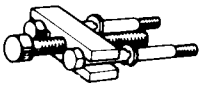
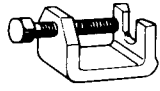

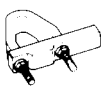
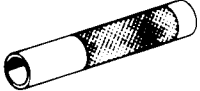
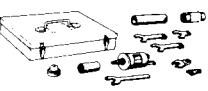

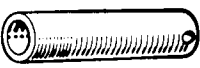
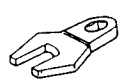
SST (SPECIAL SERVICE TOOLS) (Cont'd)

Section	Part Name	Part No.	Illustration	EM	TC	FI	CO	LU	ST	CH	CL	MT	AT	PR	FA	RA	BR	SR	AB	BE	BO
		(09608-00050)										*1									
		09608-20012								●		●									
		(09608-00030)								*2											
		(09608-00080)										*3									
		(09608-03020)										*3									
		09608-30012															●				
		(09608-04060)															*4				
		09608-32010													*5		●				
		09608-35014										●				●	●				
		(09608-06020)										*6			●	*7					
		(09608-06090)										*6									
		(09608-06100)										*8			●	●					

Remarks:

- | | |
|--|--|
| *1 Output shaft rear bearing outer race (W58)
Counter rear bearing (R154) | *5 Hub bearing |
| *2 Rotor front bearing | *6 Front bearing retainer oil seal (R154 only) |
| *3 Front bearing retainer oil seal (W58 only) | *7 Differential side gear shaft oil seal |
| *4 Differential carrier side bearing | *8 Counter gear center bearing outer race and
output shaft rear bearing outer race (W58 only) |



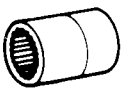
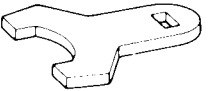
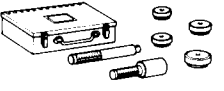




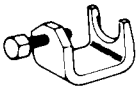
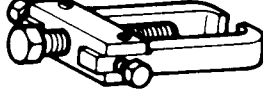

SST (SPECIAL SERVICE TOOLS) (Cont'd)

Section	Part Name	Part No.	EM	TC	FI	CO	LU	ST	CH	CL	MT	AT	PR	FA	RA	BR	SR	AB	BE	BO
	(09608-06110)	Front Hub Inner & Drive Pinion Front Bearing Cup Replacer													●					
	(09608-06120)	Front Hub Outer Bearing Cup Replacer												●						
	(09608-06180)	Drive Pinion Rear Bearing Cup Replacer													●					
	09609-20011	Steering Wheel Puller															●			
	09611-12010	Tie Rod End Puller															●			
	09611-22012	Tie Rod End Puller													●					
	09612-00012	Rack & Pinion Steering Rack Housing Stand															●			
	09612-22011	Tilt Handle Bearing Replacer															●			
	09612-24014	Steering Gear Housing Overhaul Tool Set															●			
	(09612-10022)	(Hexagon Wrench)															●			
	(09612-10061)	(Steering Pinion Bearing Replacer)															●			
	(09617-24011)	(Steering Rack Wrench)															●			

Remarks:

- *1 Canada
- *2 No. 1 lower suspension arm
- *3 Cylinder end stopper (w/o PPS)









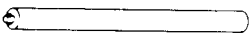



SST (SPECIAL SERVICE TOOLS) (Cont'd)

Section	Part Name	Part No.	Illustration	EM	TC	FI	CO	LU	ST	CH	CL	MT	AT	PR	FA	RA	BR	SR	AB	BE	BO
		(09617-24020)																●			
		09612-30012																●	*1		
		09616-00010																●			
		09617-14010																●			
		09620-30010																●			
		(09624-30010)																●	*2		
		(09626-30010)																●	*3		
		(09627-30010)																●	*4		
		(09631-00020)																●	*5		
		09628-10011														●					
		09628-62011														●					
		09630-24013																●			

Remarks:

- *1 Rack housing bearing and oil seal (w/ PPS)
- *2 Rack housing oil seal (w/ PPS)
- *3 Rack housing bearing (w/ PPS)
- *4 Cylinder end stopper (w/ PPS)
- *5 w/ PPS

SST (SPECIAL SERVICE TOOLS) (Cont'd)

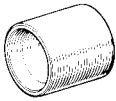
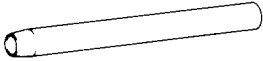




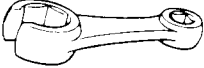

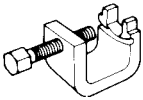
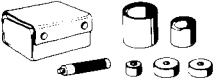


Section	Part Name	Part No.	Illustration	EM	TC	FI	CO	LU	ST	CH	CL	MT	AT	PR	FA	RA	BR	SR	AB	BE	BO
		(09620-24010)	 (Valve Cup Oil Seal) Remover															●			
		(09620-24020)	 (Valve Cup Oil Seal) Replacer															●			
		(09620-24030)	 (Valve Cup Bearing) Replacer															●			
		(09620-24040)	 (Seal Ring Guide)															*1 ●			
		(09620-24050)	 (Seal Ring Tool)															*1 ●			
		(09631-24020)	 (Piston Ring Guide)															*1 ●			
		(09631-24030)	 (Piston Ring Tool)															*1 ●			
		(09631-24070)	 (Oil Seal Replacer)															*1 ●			
		09631-12020	 Handle															●			
		09631-12070	 Steering Rack Oil Seal Test Tool															●			
		09631-20031	 Oil Seal "B" Remover															●			
		09631-20070	 Seal Ring Guide															*2 ●			

Remarks:

*1 w/o PPS

*2 w/ PPS








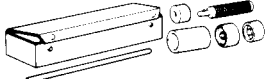




SST (SPECIAL SERVICE TOOLS) (Cont'd)

Section	Part Name	Part No.	Illustration	EM	TC	FI	CO	LU	ST	CH	CL	MT	AT	PR	FA	RA	BR	SR	AB	BE	BO
		09631-20081																● *1			
		09631-20102																●			
		09631-22020				● *2												●			
		09631-22070																● *3			
		09631-32010																● *1			
		90631-32020																● *1			
		09633-00020																●			
		09636-20010													● *4						
		09650-17011													●	●					
		09710-14012															●				
		(09710-00030)														● *5					
		(09710-00050)														● *5					

Remarks:










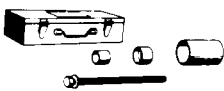
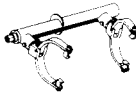
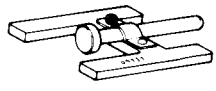
- *1 w/ PPS
- *2 Fuel line flare nut
- *3 w/o PPS
- *4 Axle hub
- *5 Lower control arm bushing

SST (SPECIAL SERVICE TOOLS) (Cont'd)

Section	Part Name	Part No.	Illustration	EM	TC	FI	CO	LU	ST	CH	CL	MT	AT	PR	FA	RA	BR	SR	AB	BE	BO
		09710-22020														●					
		(09710-01020)														*1					
		(09710-01030)														*1					
		(09710-01040)														*1					
		(09710-01050)														*1					
		(09710-01060)														*1					
		(09710-01070)														*1					
		09710-22041															●				
		(09710-02020)															●				
		(09710-02040)															●				
		(09710-02050)															●				
		09710-30020														●	●				

Remark:
*1 Shock absorber

SST (SPECIAL SERVICE TOOLS) (Cont'd)




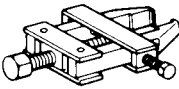




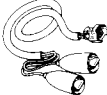

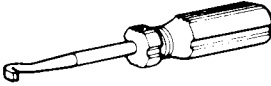
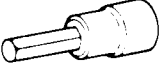
Section	Part Name	Part No.	Illustration	EM	TC	FI	CO	LU	ST	CH	CL	MT	AT	PR	FA	RA	BR	SR	AB	BE	BO
		(09710-03020)	(Handle) 													●					
		(09710-03040)	(Front Suspension Upper Arm Bushing Removing Base) 														*1				
		(09710-03050)	(Front Suspension Upper Arm Bushing Replacer) 													●					
		(09710-03070)	(Front Suspension Lower Arm Bushing Remover) 														*1				
		(09710-03080)	(Front Suspension Lower Arm Bushing Removing Spacer) 													●					
		(09710-03100)	(Front Suspension Lower Arm Bushing Replacer) 														*1				
		(09710-03130)	(Lateral Rod Bushing Remover) 													●					
		09717-20010	Brake Shoe Return Spring Remover 															●			
		09718-20010	Brake Shoe Return Spring Replacer 															●			
		09726-35010	Front Lower Arm Bushing Remover & Replacer 														*2				
		09727-30020	Coil Spring Compressor 													●	●				
		09737-00010	Brake Booster Push Rod Gauge 															●			

Remarks:

*1 Lower ball bushing

*2 No. 1 lower arm bushing

SST (SPECIAL SERVICE TOOLS) (Cont'd)

Section	Part Name	Part No.	Illustration	EM	TC	FI	CO	LU	ST	CH	CL	MT	AT	PR	FA	RA	BR	SR	AB	BE	BO
	Brake Tube Union Nut 10 x 12 mm Wrench	09751-36011									●						●				
	Windshield Moulding Remover	09806-30010																			●
	Door Hinge Set Bolt Wrench	09812-00010																			●
	Alternator Rear Bearing Puller	09820-00021								●											
	Alternator Rear Bearing Replacer	09820-00030								●											
	Alternator Pulley Set Nut Wrench Set	09820-63010								●											
	Wiring "A" EFI Inspection	09842-30050				●															
	Wiring "E" EFI Inspection	09842-30060				*1															
	Wiring "F" EFI Inspection	09842-30070				*2															
	Diagnosis Check Wiring	09843-18020											●						●		
	Spring Tension Tool	09921-00010										●	●								
	Hexagon 14 mm Wrench	09923-00010		●																	

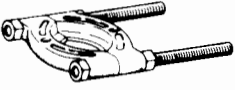

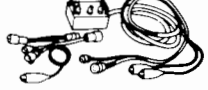
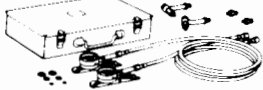

Remarks:

*1 7M-GTE only

*2 7M-GE only

*3 Speedometer driven gear oil seal

SST (SPECIAL SERVICE TOOLS) (Cont'd)

Section																		
Part Name	EM	TC	FI	CO	LU	ST	CH	CL	MT	AT	PR	FA	RA	BR	SR	AB	BE	BO
Part No.																		
Illustration																		
 09950-00020 Bearing Remover									●				● ^{*1}					
 09950-20017 Universal Puller	●								●				●					
 09990-00150 A.B.S. Actuator Checker and Sub-harness														●				
 09992-00094 Oil Pressure Gauge Set										●								
 09992-00241 Turbocharger Pressure Gauge		● ^{*2}																● ^{*2}

Remarks:

*1 Upper suspension arm

*2 7M-GTE only

NOTE: For reference to SSTs for the Air Conditioning System see page AC-14.

SSM (SPECIAL SERVICE MATERIALS)

Part Name	Part No.	Sec.	Use etc.
Seal packing or equivalent	08826-00080	EM	Over the space between the timing belt case and cylinder block Cylinder head x No. 1 and No. 2 cylinder head cover Cylinder head x No. 1 camshaft bearing cap
		LU	Engine oil pan
Seal packing 1281, Three bond 1281 or equivalent	08826-00090	MT	Transmission case (R154) Front bearing retainer (R154) Extension housing (R154)
		AT	Transmission case x Oil pan
Adhesive 1324, Three bond 1324 or equivalent	08833-00070	EM	Timing belt case mounting bolt (14 mm head bolt)
		CO	Engine drain cock
Adhesive 1344, Three bond 1344, Loctite 242 or equivalent	08833-00080	MT	Straight screw plug for reverse restrict pin Straight screw plug for shift fork shaft locking ball Front bearing retainer set bolt
		SR	(w/o PPS) Control valve housing bolt Bearing guide nut Bearing guide lock nut Rack guide spring cap Rack guide spring cap lock nut (w/ PPS) Rack housing cap Rack guide spring cap Rack guide spring cap lock nut
Dupont paste No. 4817	—	BE	Rear window defogger
Windshield glass adhesive set No. 15	08850-00070	BO	Windshield glass (0 – 15°C or 32 – 59°F) Back door window glass
Windshield glass adhesive set No. 35	08850-00080	BO	Windshield glass (15 – 35°C or 59 – 95°F) Back door window glass
Windshield glass adhesive set No. 45	08850-00090	BO	Windshield glass (35 – 45°C or 95 – 113°F) Back door window glass
Dam kit	04562-30040	BO	Windshield glass Back door window glass
Butyl tape set	08850-00065	BO	Quarter window glass
Three cement black	08833-00030	BO	Windshield glass

NOTE: For reference to SSMs for the Air Conditioning System see page AC-14.