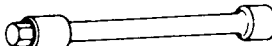
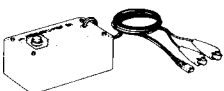
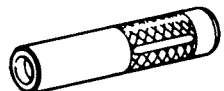
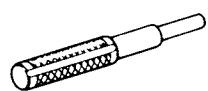
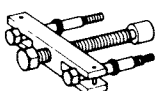
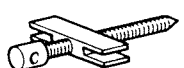


SST AND SSM

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

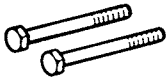
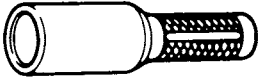
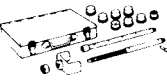
SST (SPECIAL SERVICE TOOLS)

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Part Name																				
Part No.																				
Illustration																				
	09032-00100	Oil Pan Seal Cutter					●					●								
	09043-38100	Hexagon 10 mm Wrench	●																	
	09082-00700	SRS Airbag Deployment Tool																●		
	09201-41020	Valve Stem Oil Seal Replacer	●				*1	●												
	09201-60011	Valve Guide Bushing Remover & Replacer									●	●								
	09201-70010	Valve Guide Bushing Remover & Replacer	●																	
	09202-70010	Valve Spring Compressor	●																	
	09213-31021	Crankshaft Pulley Puller	●								●						●	●		
	09213-36020	Timing Gear Remover									●			●						
	09213-60017	Crankshaft Pulley & Gear Puller Set	●																	
	(09213-00020)	(Body with Bolt)	●																	
	(09213-00030)	(Handle)	●																	

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																	
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	

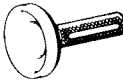
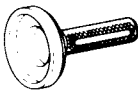
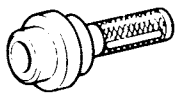
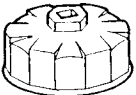
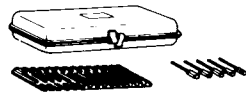
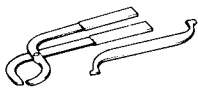
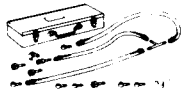
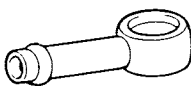
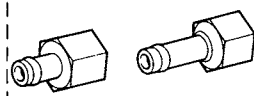
Remarks:

*1 Oil pump drive shaft oil seal

*2 Crankshaft front oil seal

*3 Axle carrier dust cover

SST (SPECIAL SERVICE TOOLS) (Cont'd)

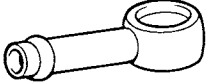
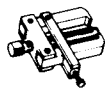
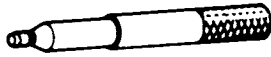
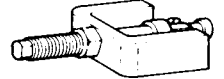
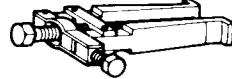
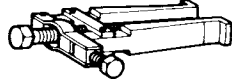
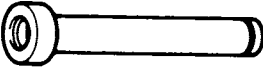
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Part Name																				
Part No.																				
Illustration																				
	09222-30010	Connecting Rod Bushing Remover & Replacer	●																	
	09223-15010	Crankshaft Rear Oil Seal Replacer													*1 ●					
	09223-41020	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									*2 ●									
	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																
Part Name																
Part No.																
Illustration																
	(90405-09015)	(No. 1 Union)														
	09268-45012	EFI Fuel Pressure Gauge														
	09278-54012	Drive Shaft Holding Tool	*1												*2	
	09286-46011	Injection Pump Spline Shaft Puller														
	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

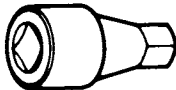
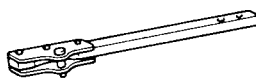
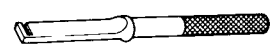
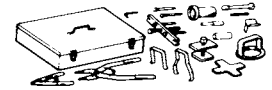
*3 Armature bearing

*4 Rectifier end frame

*5 W58 only

*6 R154 only

SST (SPECIAL SERVICE TOOLS) (Cont'd)

Section			EM	TC	FI	CO	LU	ST	CH	CL	MT	AT	PR	FA	RA	BR	SR	AB	BE	BO
Part Name																				
Part No.																				
Illustration																				
	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																		

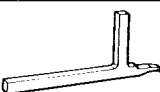
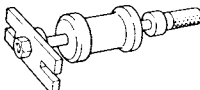
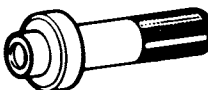
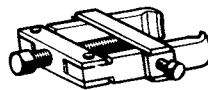
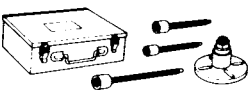
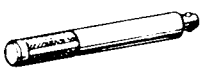
Remarks:

- *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			EM	TC	FI	CO	LU	ST	CH	CL	MT	AT	PR	FA	RA	BR	SR	AB	BE	BO
Part Name																				
Part No.																				
Illustration																				
	(09350-06120)	(No. 2 Measure Terminal)										●								
	(09350-07020)	(Oil Pump Puller)										●								
	(09350-07030)	(No. 1 Piston Spring Compressor)										●								
	(09350-07040)	(No. 2 Piston Spring Compressor)										●								
	(09350-07050)	(No. 3 Piston Spring Compressor)										●								
	(09350-07060)	(No. 1 Snap Ring Expander)										●								
	(09350-07070)	(No. 2 Snap Ring Expander)										●								
	(09350-07080)	(Brake Reaction Sleeve Puller)										●								
	(09350-07090)	(Brake No. 1 Piston Puller)										●								
	(09350-07110)	(Oil Seal Replacer)										●								
	(09351-32010)	(One-way Clutch Test Tool)										●								
	(09351-32020)	(Stator Stopper)										●								

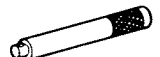
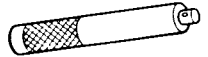
SST (SPECIAL SERVICE TOOLS) (Cont'd)

Section																	
Part Name																	
Part No.																	
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)

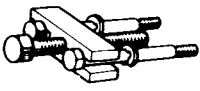
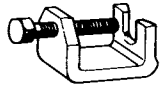
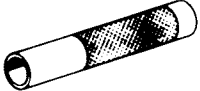
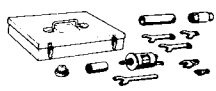
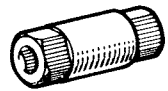
Section	Part Name	Part No.	Illustration	EM	TC	FI	CO	LU	ST	CH	CL	MT	AT	PR	FA	RA	BR	SR	AB	BE	BO
		(09608-00050)	Drive Pinion Front Bearing Cup Replacer									*1									
		09608-20012	Front Hub & Drive Pinion Bearing Tool Set							●		●									
		(09608-00030)	(Replacer)							*2											
		(09608-00080)	(Replacer)									*3									
		(09608-03020)	(Handle)									*3									
		09608-30012	Front Hub & Drive Pinion Bearing Tool Set													●					
		(09608-04060)	(Front Hub Outer Bearing Cup Replacer)													*4					
		09608-32010	Steering Knuckle Oil Seal Replacer												*5	●					
		09608-35014	Axle Hub & Drive Pinion Bearing Tool Set									●			●	●					
		(09608-06020)	(Handle)									*6			●	*7					
		(09608-06090)	(Front Hub Outer & Steering Worm Bearing Replacer)									*6									
		(09608-06100)	(Front Hub Outer Replacer)									*8			●	●					

Remarks:

- *1 Output shaft rear bearing outer race (W58)
Counter rear bearing (R154)
- *2 Rotor front bearing
- *3 Front bearing retainer oil seal (W58 only)
- *4 Differential carrier side bearing

- *5 Hub bearing
- *6 Front bearing retainer oil seal (R154 only)
- *7 Differential side gear shaft oil seal
- *8 Counter gear center bearing outer race and
output shaft rear bearing outer race (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																				
	(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															*1			
	09611-12010	Tie Rod End Puller															●			
	09611-22012	Tie Rod End Puller													*2					
	09612-00012	Rack & Pinion Steering Rack Housing Stand															●			
	09612-22011	Tilt Handle Bearing Replacer															*3			
	09612-24014	Steering Gear Housing Overhaul Tool Set															●			
	(09612-10022)	(Hexagon Wrench)															●			
	(09612-10061)	(Steering Pinion Bearing Replacer)															*3			
	(09617-24011)	(Steering Rack Wrench)															●			

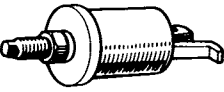
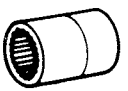
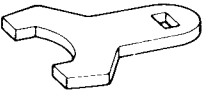
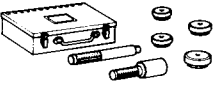
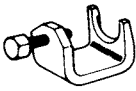
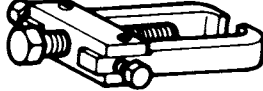
Remarks:

*1 Canada

*2 No. 1 lower suspension arm

*3 Cylinder end stopper (w/o PPS)

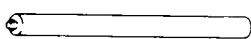
SST (SPECIAL SERVICE TOOLS) (Cont'd)

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)	Steering Pinion Bearing Adjusting Screw Lock Nut Wrench															●			
		09612-30012	Steering Worm Bearing Puller															*1			
		09616-00010	Steering Worm Bearing Adjusting Socket															●			
		09617-14010	Steering Rack End Wrench															●			
		09620-30010	Steering Gear Box Replacer Set															●			
		(09624-30010)	Steering Sector Shaft Oil Seal Replacer															*2			
		(09626-30010)	Steering Worm Front Bearing Replacer															*3			
		(09627-30010)	Steering Sector Shaft Bushing Replacer															*4			
		(09631-00020)	(Handle)															*5			
		09628-10011	Ball Joint Puller												●						
		09628-62011	Ball Joint Puller												●						
		09630-24013	Steering Rack Oil Seal Tool Set															●			

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)

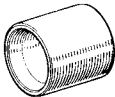
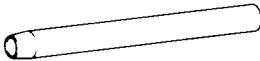
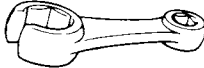
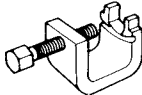
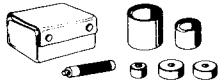
Section			EM	TC	FI	CO	LU	ST	CH	CL	MT	AT	PR	FA	RA	BR	SR	AB	BE	BO
Part Name																				
Part No.																				
Illustration																				
	(09620-24010)	(Valve Cup Oil Seal) Remover															●			
	(09620-24020)	(Valve Cup Oil Seal) Replacer															●			
	(09620-24030)	(Valve 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

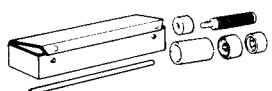
SST (SPECIAL SERVICE TOOLS) (Cont'd)

Section			EM	TC	FI	CO	LU	ST	CH	CL	MT	AT	PR	FA	RA	BR	SR	AB	BE	BO
Part Name																				
Part No.																				
Illustration																				
	09631-20081	Seal Ring Tool															*1			
	09631-20102	Steering Rack "H" Cover																		
	09631-22020	Power Steering Hose Nut 14 x 17 mm Wrench Set			*2															
	09631-22070	Oil Seal Replacer															*3			
	09631-32010	Oil Seal Replacer															*1			
	90631-32020	Seal Ring Tool															*1			
	09633-00020	Power Steering Hose Nut Wrench																		
	09636-20010	Upper Ball Joint Dust Cover Replacer												*4						
	09650-17011	Hub Bolt Remover																		
	09710-14012	Rear Suspension Bushing Tool Set																		
	(09710-00030)	(Replacer)														*5				
	(09710-00050)	(Handle)														*5				

Remarks:

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

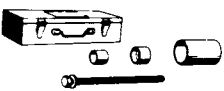
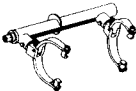
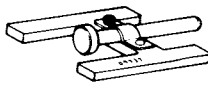
SST (SPECIAL SERVICE TOOLS) (Cont'd)

Section			EM	TC	FI	CO	LU	ST	CH	CL	MT	AT	PR	FA	RA	BR	SR	AB	BE	BO
Part Name																				
Part No.																				
Illustration																				
	09710-22020	Front Suspension Bushing Tool Set													●					
	(09710-01020)	(Handle)													*1					
	(09710-01030)	(Upper Arm Bushing Replacer)													*1					
	(09710-01040)	(Upper Arm Bushing Sleeve)													*1					
	(09710-01050)	(Lower Arm Bushing Remover)													*1					
	(09710-01060)	(Lower Arm Bushing Spacer)													*1					
	(09710-01070)	(Lower Arm Bushing Removing Sleeve)													*1					
	09710-22041	Rear Suspension Bushing Tool Set													●					
	(09710-02020)	(Handle)													●					
	(09710-02040)	(Remover)													●					
	(09710-02050)	(Base)													●					
	09710-30020	Suspension Bushing Tool Set												●	●					

Remark:

*1 Shock absorber

SST (SPECIAL SERVICE TOOLS) (Cont'd)

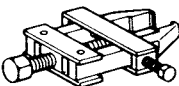
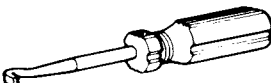
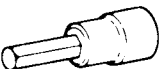
Section	Part Name	Part No.	Illustration	EM	TC	FI	CO	LU	ST	CH	CL	MT	AT	PR	FA	RA	BR	SR	AB	BE	BO
																●					
		(09710-03020)	(Handle)																		
																	*1				
		(09710-03040)	(Front Suspension Upper Arm Bushing Removing Base)																		
																●					
		(09710-03050)	(Front Suspension Upper Arm Bushing Replacer)																		
																	*1				
		(09710-03070)	(Front Suspension Lower Arm Bushing Remover)																		
																●					
		(09710-03080)	(Front Suspension Lower Arm Bushing Removing Spacer)																		
																	*1				
		(09710-03100)	(Front Suspension Lower Arm Bushing Replacer)																		
																●					
		(09710-03130)	(Lateral Rod Bushing Remover)																		
																		●			
		09717-20010	Brake Shoe Return Spring Remover																		
																		●			
		09718-20010	Brake Shoe Return Spring Replacer																		
																	*2				
		09726-35010	Front Lower Arm Bushing Remover & Replacer																		
																●	●				
		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			EM	TC	FI	CO	LU	ST	CH	CL	MT	AT	PR	FA	RA	BR	SR	AB	BE	BO
Part Name																				
Part No.																				
Illustration																				
	09751-36011	Brake Tube Union Nut 10 x 12 mm Wrench								●						●				
	09806-30010	Windshield Moulding Remover																		●
	09812-00010	Door Hinge Set Bolt Wrench																		●
	09820-00021	Alternator Rear Bearing Puller							●											
	09820-00030	Alternator Rear Bearing Replacer							●											
	09820-63010	Alternator Pulley Set Nut Wrench Set							●											
	09842-30050	Wiring "A" EFI Inspection			●															
	09842-30060	Wiring "E" EFI Inspection			*1															
	09842-30070	Wiring "F" EFI Inspection			*2															
	09843-18020	Diagnosis Check Wiring										●						●		
	09921-00010	Spring Tension Tool									*3	*3								
	09923-00010	Hexagon 14 mm Wrench	●																	

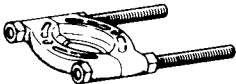
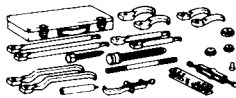
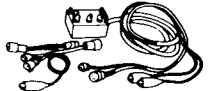
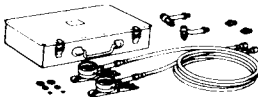
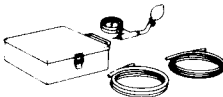
Remarks:

*1 7M-GTE only

*2 7M-GE only

*3 Speedometer driven gear 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
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.