

# RECOMMENDED MATERIALS

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### 1. Recommended Materials

#### A: RECOMMENDED MATERIALS

##### 1. GENERAL

To insure the best performance, always use the specified oil, gasoline, adhesive, sealant, etc. or a substitute of equivalent quality.

##### 2. FUEL

Always use a gasoline of the same or higher octane value than specified in the owner's manual. Ignoring the specifications below will result in damage or poor operation of the engine and fuel injection system. Use the specified gasoline to correct performance.

- **Unleaded gasoline**

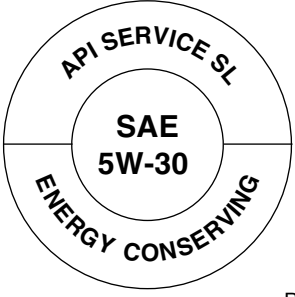

Use unleaded gasoline and not leaded gasoline on vehicles with catalytic converter installed to reduce air pollution. Using leaded gasoline will damage the catalytic converter.

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## 3. LUBRICANTS

Use either the lubricants in the table below or equivalent lubricants. See the table below to choose the correct SAE viscosity.

Lubricant	Recommended		Alternative
	API Spec.	ILSAC Spec.	API Spec.
Engine oil	SL Grade "Energy conserving"	GF-3	SJ
	 <p>RM-00001</p>  <p>RM-00002</p>		
Manual transmission oil	GL-5	—	—
AT front differential gear oil	GL-5	—	—
Rear differential gear oil	Except STi model	GL-5	—
	STi model		

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SAE viscosity No. and applicable temperature									
Engine oil									
(°C)	-30	-20	-10	0	10	20	30	40	
(°F)	-22	-4	14	32	50	68	86	104	
		<b>10W-30 or 10W-40</b>							
<b>5W-30 Recommend</b>									

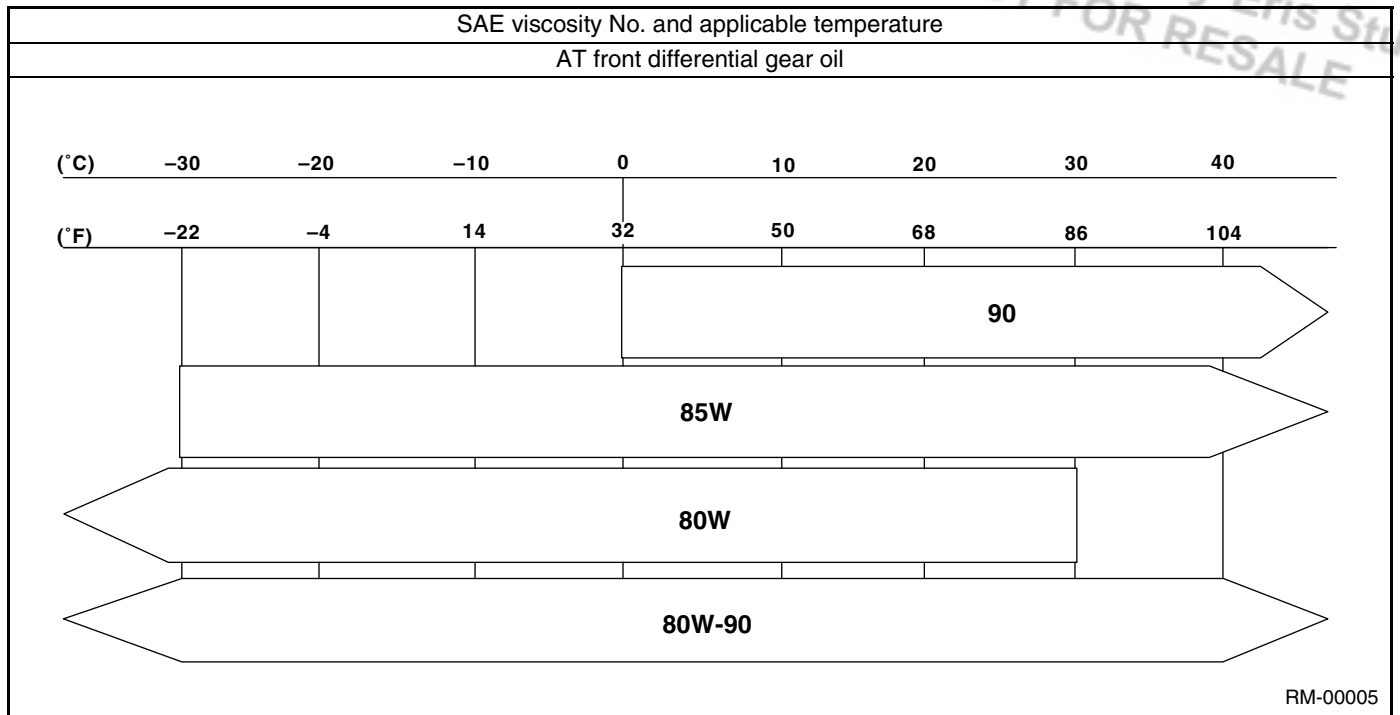
RM-00003

Manual transmission oil and rear differential gear oil									
(°F)	-30	-20	-10	0	10	20	30	40	
(°C)	-22	-4	14	32	50	68	86	104	
				<b>90</b>					
			<b>85W</b>						
<b>80W</b>									
<b>75W-90</b>									

RM-00004

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### 4. FLUID

Use the fluids specified in the table below. Do not mix two different kinds or makes of fluid.

Fluid	Recommended	Alternative	Remarks
Automatic transmission fluid	DEXRON III	—	—
Power steering fluid	DEXRON III	—	—
Brake fluid	FMVSS No. 116 DOT3	—	—
Clutch fluid	FMVSS No. 116 DOT3	FMVSS No. 116 DOT4	—

### 5. COOLANT

Use genuine coolant to protect the engine.

Coolant	Recommended	Item number	Alternative
Coolant	SUBARU coolant	000016218	None
Water for dilution	Distilled water	—	Tap water (Soft water)

### 6. REFRIGERANT

Standard air conditioners on Subaru vehicles use HFC134a refrigerant. Do not mix it with other refrigerants. Also, do not use any compressor oil except for DH-PR.

Air conditioner	Recommended	Item number	Alternative
Refrigerant	HFC134a	—	None
Compressor oil	DH-PR	—	None

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## 7. GREASE

Use the grease and supplementary lubricants shown in the table below.

Grease	Application point	Recommended	Item number	Alternative
Supplementary lubricants	<ul style="list-style-type: none"> <li>O<sub>2</sub> sensor</li> <li>Bolts, etc.</li> </ul>	SUBARU CRC	004301003	—
Grease	MT main shaft	FX2200 clutch grease	000040901	—
	Clutch master cylinder push rod	Silicolube G-40M	004404003	—
	<ul style="list-style-type: none"> <li>Gear shift lever</li> <li>Select lever</li> <li>Clutch operating cylinder</li> <li>Accelerator pedal</li> <li>Clutch pedal</li> <li>Brake pedal</li> <li>Clutch bearing</li> <li>Clutch release lever</li> <li>Steering shaft bearing</li> </ul>	SUNLIGHT2	003602010	—
	Steering gear box	Valiant grease M-2	003608001	—
	Disc brake	Niglube RX-2	K0779GA102	—
	Brake pad	Molykote AS-880N	K0777YA010	—
	Front axle SFJ	SSG-6003	28093TA000	—
	<ul style="list-style-type: none"> <li>Front axle EBJ</li> <li>Front axle BJ</li> <li>Rear axle EBJ</li> </ul>	NTG2218	28093AA000	—
	Rear axle BJ87	NTG2218-M	28395FE010	—
	Rear axle BJ	Molylex No. 2	003601001	—
	<ul style="list-style-type: none"> <li>Rear axle DOJ</li> <li>Front axle DOJ</li> </ul>	VU-3A702	23223GA050	—
	<ul style="list-style-type: none"> <li>Throttle cable end</li> <li>Door latch</li> <li>Door striker</li> </ul>	Silicolube G-30M	004404002	—

## 8. ADHESIVES

Use the adhesives shown in the table below, or equivalent.

Adhesive	Application point	Recommended	Item number	Alternative
Adhesive	Windshield, rear window glass, rear quarter glass, rear gate and body	Dow Automotive's Adhesive: ESSEX U-400HV or equivalent Glass primer: U-401 and U-402 Paint surface primer: U-413	—	—
	Inner rearview mirror base	REPAIR KIT IN MR	65029FC000	—
	Soft vinyl	Cemedine 540	—	3M's EC-776, EC-847 or EC-1022 (Spray type)
	Momentary sealant	Cemedine 3000	—	Armstrong's Eastman 910

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### 9. SEAL MATERIAL

Use seal material shown in the table below, or equivalent.

Seal material	Application point	Recommended	Item number	Alternative
Seal material	<ul style="list-style-type: none"><li>• Cylinder block</li><li>• Torque converter clutch case</li><li>• Transmission oil pan (6MT model)</li></ul>	Three Bond 1215	004403007	Dow Corning's No. 7038
	Transmission oil pan (AT model)	Three Bond 1217B	K0877YA020	—
	Rear differential	Three Bond 1324	004403042	—
	Rear differential	Three Bond 1105	004403010	Dow Corning's No. 7038
	Steering adjusting screw	Three Bond 1141	004403006	—
	Camshaft cap	Three Bond 1280B	K0877YA018	—
	<ul style="list-style-type: none"><li>• Front sealing cover</li><li>• Rear sealing cover</li></ul>	3M Butyl Rubber 8626	—	—