

Recommended Materials

RECOMMENDED MATERIALS

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

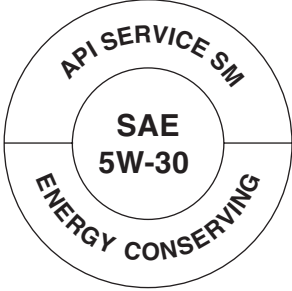

- Use unleaded gasoline to reduce air pollution, because using leaded gasoline will damage the catalytic converter.
- Do not use the low quality gasoline, or improper fuel such as diesel fuel, fuel alcohol, or gasoline additive because they will adversely affect on engine components.
- Always use gasoline that is equivalent to that prescribed in the instruction manual or that of high octane value. There is the possibility of damaging or improper operation of the engine and fuel injection system if the specifications are not observed. Use the prescribed gasoline type to maintain proper vehicle performance.



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3. LUBRICANTS

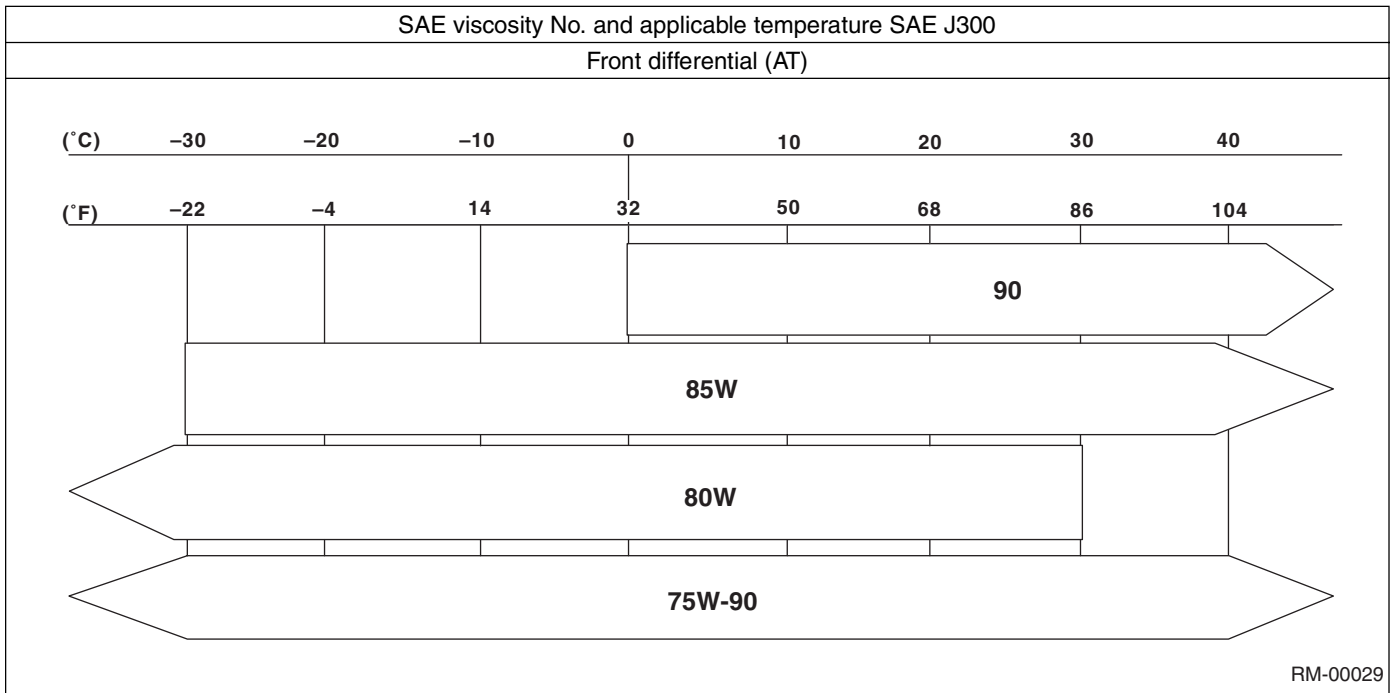
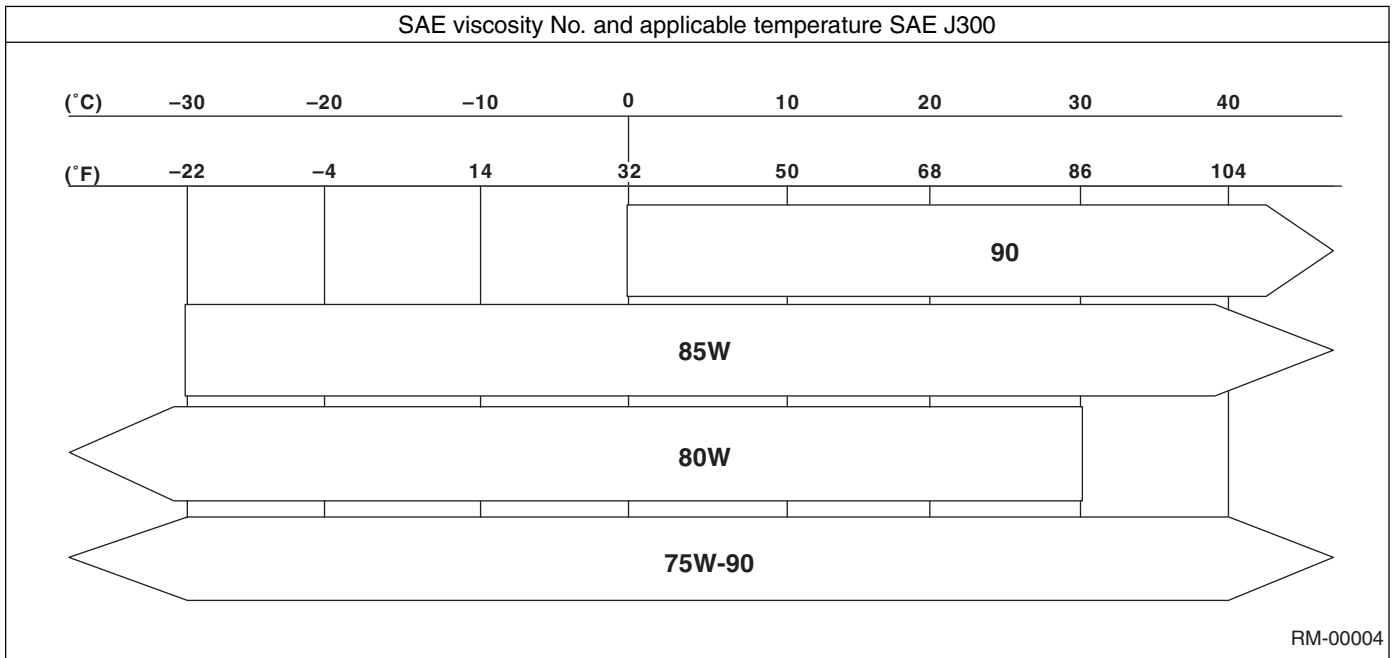
Use the lubricants shown in the table below, or equivalent. See the table below to choose the correct SAE viscosity.

Lubricants	Recommended materials	
	API spec.	ILSAC spec.
Engine oil	SM grade "Energy conservation"  RM-00049	GF-4  RM-00002
Manual transmission oil	GL-5	—
Front differential oil	GL-5	—
Rear differential oil	GL-5	—

SAE viscosity No. and applicable temperature SAE J300								
Engine oil								
(°C)	-30	-20	-10	0	10	20	30	40
(°F)	-22	-4	14	32	50	68	86	104
								
								
RM-00059								
Manual transmission oil and rear differential oil								

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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 materials	Item number	Alternative
Automatic transmission fluid	SUBARU ATF HP	—	Idemitsu: ATF HP Castrol: Transmax J Pennzoil Quakerstate: Pennzoil ATF-J
Power steering fluid	DEXRON III	—	—
Brake fluid	FMVSS No. 116 DOT3	—	FMVSS No. 116 DOT4
Clutch fluid	FMVSS No. 116 DOT3	—	FMVSS No. 116 DOT4

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5. ENGINE COOLANT

Use genuine engine coolant to protect the engine.

Engine coolant	Recommended materials	Item number	Alternative
Coolant	SUBARU coolant	000016218	Phosphoric acid (non-amine) type
Water for dilution	Distilled water	—	Soft water or tap water
Cooling system protecting agent	Cooling system conditioner	SOA345001	None

6. REFRIGERANT

Standard air conditioners on Subaru vehicles use HFC134a refrigerant. Do not mix it with other refrigerants. Also, do not use any air compressor oil other than ZXL200PG.

Air conditioner	Recommended materials	Item number	Alternative
Refrigerant	HFC134a	—	None
Compressor oil	ZXL200PG	—	None

7. GREASE

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

Grease	Application point	Recommended materials	Item number	Alternative
Supplementary lubricants	<ul style="list-style-type: none"> • Oxygen sensor • Bolts etc. 	Spray type lubricant	—	—
Grease	MT main shaft	NICHIMOLY N-130	—	—
	Clutch master cylinder push rod	Silicone grease G-40M	004404003	—
	<ul style="list-style-type: none"> • Gear shift lever • Select lever • Clutch activating cylinder • Accelerator pedal • Clutch pedal • Brake pedal • Hill holder • Clutch bearing • Clutch release lever • Steering shaft bearing 	KOPR-KOTE	003603001	—
	Selector lever lock plate unit	Suncall GLO-244	0029408040	—
	Steering gearbox	Variant grease M-2	003608001	One luber MO or One luber SG
	<ul style="list-style-type: none"> • Disc brake • Drum brake wheel cylinder 	Niglube RX-2	K0779GA102	—
	<ul style="list-style-type: none"> • Drum brake • Brake shoe 	Molykote No. 7439	003602001	—
	Brake pad	Molykote AS-880N	K0777YA010	—
	Front axle AARi	One luber C	28395SA000	—
	Front axle AC	Olistamol	28395SA020	—
	Rear axle BJ, EBJ	NTG2218-M	28395AG010	—
	Rear axle DOJ	NGK205	28495AG000	—
<ul style="list-style-type: none"> • Water pump • Door latch • Door striker 	Silicone grease G-30M	004404002	—	

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8. ADHESIVES

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

Adhesive	Application point	Recommended materials	Item number	Alternative
Adhesive	Windshield, rear window glass, rear quarter glass, rear gate and body	Dow Automotive's Adhesive: ESSEX U-400 HV or equivalent Glass primer: U-401 and No. U-402 Paint surface primer: U-413	—	—
	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

9. SEAL MATERIAL

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

Seal material	Application point	Recommended materials	Item number	Alternative
Seal material	MT transmission case	THREE BOND 1215B	—	Dow corning's No. 7038
	<ul style="list-style-type: none"> • Cylinder block • DOHC cam cap (Turbo model) • Torque converter clutch case • Oil pump 	THREE BOND 1215	004403007	
	Engine oil pan	THREE BOND 1207C	004403012	—
	ATF oil pan	THREE BOND 1217B	K0877YA020	—
	<ul style="list-style-type: none"> • Rear differential • Engine oil pressure switch • Cylinder head (Nipple) 	THREE BOND 1324	004403042	—
	<ul style="list-style-type: none"> • Rear differential • Service hole plug 	THREE BOND 1105	004403010	Dow corning's No. 7038
	Weather strip	Star caulking B-33A	000018901	Butyl rubber sealant
	<ul style="list-style-type: none"> • Steering adjusting screw • PCV Valve 	THREE BOND 1141	004403006	—
	<ul style="list-style-type: none"> • SOHC cam cap • DOHC rocker cover • Separator cover • DOHC semicircular plug 	THREE BOND 1280B	K0877YA018	THREE BOND 1217G
	<ul style="list-style-type: none"> • Front sealing cover • Rear sealing cover 	3M Butyl Rubber 8626	—	—