

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

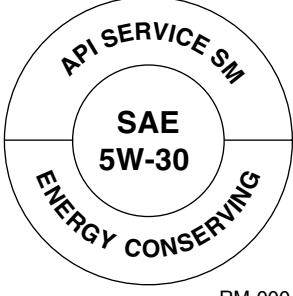
Always use gasoline of the same or higher octane value than specified in the owner's manual. Ignoring the specifications below will result in damage or poor performance of engine and fuel injection system. Use the specified gasoline to correct performance.

Unleaded gasoline

In order to reduce air pollution, use unleaded gasoline for the vehicle equipped with catalytic converter. Using leaded gasoline may damage the catalytic converter.

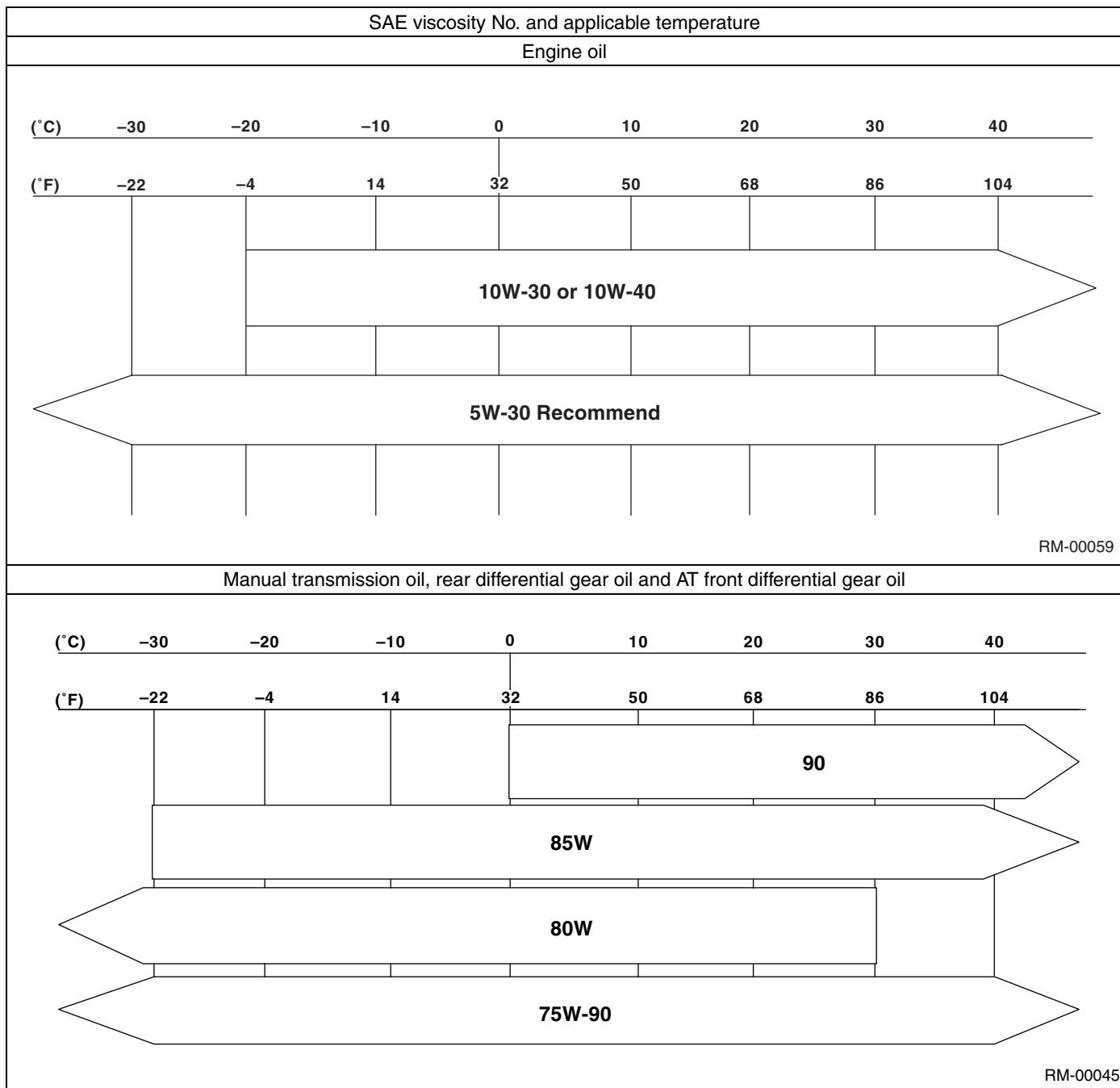
3. LUBRICANTS

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

Lubricants	Recommended materials	
	API standard	ILSAC standard
Engine oil	SM "Energy conserving" 	GF-4 
Manual Transmission Oil	GL-5	—
AT front differential gear oil	GL-5	—
Rear differential gear oil	GL-5	—

Recommended Materials

RECOMMENDED MATERIALS



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RECOMMENDED MATERIALS

4. FLUID

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

CAUTION:

Always use the recommended or equivalent ATF. Using material except recommended one or substitute would cause trouble.

Fluid	Recommended materials	Alternative	Remarks
Automatic transmission fluid	SUBARU ATF	IDEIMITSU: ATF HP Castrol: Transmax J	—
Power steering fluid	DEXRON III	—	—
Brake fluid	FMVSS No. 116 DOT3 or DOT4	—	—
Clutch fluid	FMVSS No. 116 DOT3	—	—

5. COOLANT

Use genuine coolant to protect the engine.

Coolant	Recommended materials	Item number	Alternative
Coolant	SUBARU coolant	000016218	Phosphoric acid (non-amine) type
Water for dilution	Distilled water	—	Tap water (Soft water)
Cooling system protective 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 compressor oil other than DENSO OIL 8.

Air conditioner	Recommended materials	Item number	Alternative
Refrigerant	HFC134a	—	None
Compressor oil	DENSO OIL 8	—	None

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RECOMMENDED MATERIALS

7. GREASE

Use 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 • Clutch activating cylinder • Clutch pedal • Brake pedal • Clutch bearing • Clutch release lever 	SUNLIGHT 2	003602010	—
	Select lever	Multemp AC-D Multemp SH-W (Shift lock part)	—	—
	<ul style="list-style-type: none"> • Door latch • Door striker 	SILICONE GREASE G-30M	004404002	—
	Steering gearbox	VALIANT GREASE M2	003608001	ONE LUBER SG or MO
	Disc brake (lock pin, guide pin, piston boot)	NIGLUBE RX-2	K0779GA102	—
	Between brake pad and shim	Molykote AS-880N	K0777YA010	—
	Brake pad clip	Molykote M7439	003602001	—
	Front axle PTJ	NKG302	28395AG02A	—
	Rear axle BJ	NTG2218-M	28395AG01A	—
	Rear axle EBJ	NGK106	28395AG040A	—
	Rear axle DOJ	NKG205	28495AG00A	—

8. ADHESIVE

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-400HV or the equivalent Glass primer: U-401 and U-402 Painted 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

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RECOMMENDED MATERIALS

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	<ul style="list-style-type: none"> • MT transmission case • Cylinder block • Converter case • DOHC camshaft cap (Turbo model) • Cylinder head plug (Turbo model) • Oil pump (Except for 3.0 L model) 	THREE BOND 1215	004403007	DOW CORNING No. 7038
	Transmission oil pan (AT model)	THREE BOND 1217B	K0877YA020	—
	<ul style="list-style-type: none"> • Engine oil pan (Except for 3.0 L model) • Separator cover (Except for 3.0 L model) 	THREE BOND 1207C	004403012	—
	<ul style="list-style-type: none"> • Rear differential • Engine oil pressure switch • Connector (Oil hose) (Turbo model) • Connector (Heater hose) (3.0 L model) • Cylinder head (Nipple) (3.0 L model) • Camshaft bowl-shape plug (3.0 L model) 	THREE BOND 1324	004403042	—
	<ul style="list-style-type: none"> • Rear differential • Service hole plug (Except for 3.0 L model) • PCV valve 	THREE BOND 1105	004403010	DOW CORNING No. 7038
Seal material	Steering adjusting screw	THREE BOND 1141	004403006	—
	<ul style="list-style-type: none"> • SOHC camshaft cap • Cam cap (3.0 L model) • Cylinder head plug (3.0 L model and turbo model) • Rocker cover (3.0 L model and turbo model) • Oil pan (Pan upper) (3.0 L model) • Block (Pan upper) (3.0 L model) • Back cover (Front cover, block head, pan upper) (3.0 L model) 	THREE BOND 1280B	K0877YA018	THREE BOND 1217G
	<ul style="list-style-type: none"> • Front sealing cover • Rear sealing cover 	3M Butyl Rubber 8626	—	—

PRE-DELIVERY INSPECTION

PI

	Page
1. Pre-delivery Inspection	2