

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

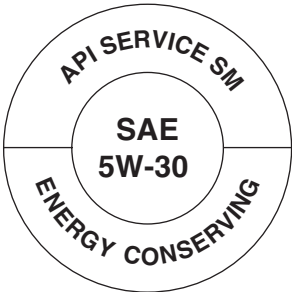

Always use gasoline of the same or higher octane value than specified in the owner's manual. Ignoring the specifications below will result in damage or poor performance of engine and fuel injection system. To gain proper performance, always use specified gasoline.

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. LUBRICANT

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

Lubricant	Recommended materials	
	API standard	ILSAC standard
Engine oil Choose oil suitable for the standard from the right.	SM "Energy conserving"  RM-00049	GF-4  RM-00002
Manual transmission oil	GL-5	—
AT front differential gear oil	GL-5	—
Rear differential gear oil	GL-5	—

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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
<div style="text-align: center; margin-top: 50px;">(1)</div> <div style="text-align: center; margin-top: 50px;">(2)</div> <div style="text-align: right; margin-top: 50px;">RM-00067</div>								
(1) 10W-30, 10W-40 (2) 5W-30, 5W-40 Recommended								
Manual transmission oil, front differential gear oil and rear differential gear oil								
(°C)	-30	-20	-10	0	10	20	30	40
(°F)	-22	-4	14	32	50	68	86	104
<div style="text-align: center; margin-top: 50px;">90</div> <div style="text-align: center; margin-top: 50px;">85W</div> <div style="text-align: center; margin-top: 50px;">80W</div> <div style="text-align: center; margin-top: 50px;">75W-90</div> <div style="text-align: right; margin-top: 50px;">RM-00058</div>								

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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	Alternative	Remarks
Automatic transmission fluid	SUBARU ATF	IDEMITSU: ATF HP	—
Power steering fluid	SUBARU ATF HP	DEXRON III	—
Brake fluid	FMVSS No. 116 DOT3	FMVSS No. 116 DOT4	—
Clutch fluid	FMVSS No. 116 DOT3	FMVSS No. 116 DOT4	—

5. COOLANT

Use the coolants specified in the table below to protect the engine.

Coolant	Recommended materials	Item number	Alternative
Coolant	SUBARU SUPER COOLANT (Concentrated type)	—	—
	SUBARU SUPER COOLANT (Diluted type)	K0670Y0001	
Cooling system protective agent	Cooling system conditioner	SOA345001	—

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 materials	Item number	Alternative
Refrigerant	HFC134a	—	None
Compressor oil	DH-PR	—	None

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7. GREASE

Use grease and supplementary lubricants shown in the table below.

Grease	Application point	Recommended materials	Item number	Alternative
Supplementary lubricants	Oxygen sensor	Spray type lubricant	004301003	—
Grease	<ul style="list-style-type: none"> • MT main shaft (spline parts) • MT main shaft (oil seal lip) • Clutch release lever 	NICHIMOLY N-130	—	—
	Clutch master cylinder push rod	SILICONE GREASE G-40M	—	—
	<ul style="list-style-type: none"> • Gear shift lever • Clutch operating cylinder • Clutch pedal • Brake pedal • Release bearing • Select lever (except shift lock) 	NIGHTIGHT LYW No. 2 grease	—	—
	Select lever (shift lock)	Suncall	—	—
	Steering gearbox	VALIANT GREASE M-2	003608001	ONE LUBER SG
	<ul style="list-style-type: none"> • Disc brake (lock pin, guide pin, piston boot) • Drum brake wheel cylinder 	Brake grease (NIGLUBE RX-2)	000041000	—
	Between brake pad and shim	Molykote AS-880N	K0777YA010	—
	<ul style="list-style-type: none"> • Brake pad clip • Brake shoe of drum brake 	Molykote M7439	K0770YA000	—
	Front axle AAR	ONE LUBER C	—	—
	Rear axle EBJ	NKG106	—	—
	Rear axle DOJ	NKG205	—	—
	<ul style="list-style-type: none"> • Door latch • Door striker 	SILICONE GREASE G-30M	—	—

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 equivalent Glass primer: U-401 and U-402 Painted surface primer: U-413	—	—
	Rearview mirror base	REPAIR KIT IN MR	65029FC000	—

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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"> • Torque converter clutch case • Transmission case 	THREE BOND 1215	004403007	DOW CORNING No. 7038
	Transmission oil pan (AT model)	THREE BOND 1217B	K0877YA020	—
	<ul style="list-style-type: none"> • Rear differential (companion flange, hypoid driven gear mounting bolt thread area) • Oil pressure switch (Engine) 	THREE BOND 1324	004403042	—
	<ul style="list-style-type: none"> • Rear differential (filler plug, drain plug) • Service hole plug 	THREE BOND 1105	004403010	DOW CORNING No. 7038
	Rear differential (side retainer bolt)	THREE BOND 1,110B	K0879Y0020	—
	<ul style="list-style-type: none"> • PCV valve • Steering adjusting screw 	THREE BOND 1141G	004403006	—
	<ul style="list-style-type: none"> • Front door sealing cover • Rear door sealing cover 	3M Butyl Rubber 8626	—	—
	<ul style="list-style-type: none"> • Engine oil pan • Separator cover • Camshaft cap • Cylinder block • Oil pump • DOHC rocker cover 	THREE BOND 1217G	K0877Y0100	—

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