

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

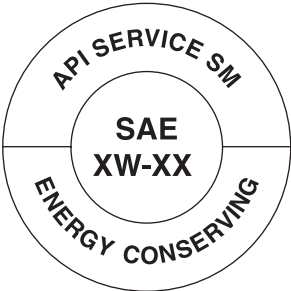

Always use gasoline of the same or higher octane value than specified in the owner's manual. Ignoring the specifications will result in damage or poor performance of engine and fuel injection system. To gain proper performance, always use specified gasoline.

Unleaded gasoline

For vehicles equipped with a catalytic converter for reducing air pollution, use unleaded gasoline. If leaded gasoline is used, the catalytic converter may become damaged.

3. LUBRICANTS

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.	SN or SM grade "Resource conserving" or "Energy conserving"  RM-00076 Those with the above API service labels	GF-5 or GF-4  RM-00002 Those with the above ILSAC certification mark (Starburst mark)
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="position: relative; width: 100%; height: 100%;"> <div style="position: absolute; top: 20%; left: 25%; width: 75%; height: 40px; border: 1px solid black; border-bottom: none; margin-bottom: 5px;"></div> <div style="position: absolute; top: 23%; left: 48%;">(2)</div> <div style="position: absolute; bottom: 20%; left: 0%; width: 90%; height: 40px; border: 1px solid black; border-top: none; margin-top: 5px;"></div> <div style="position: absolute; top: 23%; left: 48%;">(1)</div> </div>								
								RM-00078
(1) 5W-30 Recommended, 5W-40 (2) 10W-30, 10W-40								
Rear differential gear oil and AT front differential gear oil								
(°C)	-30	-20	-10	0	10	20	30	40
(°F)	-22	-4	14	32	50	68	86	104
<div style="position: relative; width: 100%; height: 100%;"> <div style="position: absolute; top: 10%; left: 45%; width: 50%; height: 40px; border: 1px solid black; border-bottom: none; margin-bottom: 5px;"></div> <div style="position: absolute; top: 13%; left: 67%;">90</div> <div style="position: absolute; top: 25%; left: 18%; width: 70%; height: 40px; border: 1px solid black; border-bottom: none; margin-bottom: 5px;"></div> <div style="position: absolute; top: 28%; left: 48%;">85W</div> <div style="position: absolute; top: 40%; left: 11%; width: 60%; height: 40px; border: 1px solid black; border-bottom: none; margin-bottom: 5px;"></div> <div style="position: absolute; top: 43%; left: 48%;">80W</div> <div style="position: absolute; top: 55%; left: 11%; width: 85%; height: 40px; border: 1px solid black; border-bottom: none; margin-bottom: 5px;"></div> <div style="position: absolute; top: 58%; left: 47%;">75W-90</div> </div>								
								RM-00058

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4. FLUID

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

CAUTION:

Be sure to 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	IDEMITSU: ATF HP	—
Power steering fluid	SUBARU ATF	DEXRON III	—
Brake fluid	FMVSS No. 116 DOT3	DOT4	—

5. COOLANT

Use genuine coolant to protect the engine.

Engine coolant	Recommended materials	Item number	Alternative
Coolant	SUBARU SUPER COOLANT (Concentrated type)	—	—
	SUBARU SUPER COOLANT (Diluted type)	K0670Y0001	
Water for dilution	Distilled water	—	Soft water or tap water
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 other than DENSO OIL 8.

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

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	—	—
Grease	Select lever	Multemp AC-D	—	—
		Multemp SH-W	—	—
		Permalube BAN-5	—	—
	Brake pedal	ESA MIC45-A EQUIB	—	—
	Steering gearbox	VALIANT GREASE M2	003608001	One-Luber SG
	Disc brake (lock pin, guide pin)	NIGLUBE RX-2	K0779GA102	—
	Between brake pad and shim	Molykote AS-880N	K0777YA010	—
	Brake pad clip	Molykote M7439	003602001	—
	Front axle PTJ	NKG302	—	—
	• Front axle EBJ • Rear axle EBJ	NTG2218-M	—	—
	Rear axle DOJ	NKG205	—	—

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8. ADHESIVE

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

Adhesive	Application point	Recommended materials	Item number	Alternative
Adhesive	Windshield, front quarter glass, 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	—	—

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	Converter case	THREE BOND 1215	004403007	DOW CORNING No. 7038
	Transmission oil pan	THREE BOND 1217B	K0877YA020	—
	<ul style="list-style-type: none"> • Engine oil pressure switch • Cylinder head (seal bolt) • Rear differential lock nut • PCV valve 	THREE BOND 1324	004403042	—
	Steering adjusting screw	THREE BOND 1102	004403006	THREE BOND 1215
	<ul style="list-style-type: none"> • Cylinder block • Cam cap • Engine oil pan • Engine strainer • Cylinder head gasket (Block, head) • Rocker cover • Oil pan upper • Chain cover (Block, head, cam cap, oil pan upper) 	THREE BOND 1217G	K0877Y0100	—
	<ul style="list-style-type: none"> • Door (Front sealing cover) • Door (Rear sealing cover) 	3M Butyl Rubber 8626	—	—

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