

RECOMMENDED MATERIALS

RM

	Page
1. Recommended Materials	2



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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

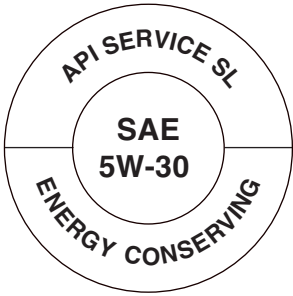
Always use gasoline of the same or higher octane value than specified in the owner's manual. Ignoring the specifications below will result in damage or poor operation of the engine and fuel injection system. Use the specified gasoline to correct performance.

• Unleaded gasoline

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

3. LUBRICANTS

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

Lubricant	Recommended		Alternative
	API Standard	ILSAC Standard	API Standard
Engine oil	SL Grade "Energy conserving"  RM-00001  RM-00002	GF-3	SJ
Manual transmission oil	GL-5	—	—
AT front differential gear oil	GL-5	—	—
Rear differential gear oil	GL-5	—	—

RECOMMENDED MATERIALS

RM-3

Recommended Materials

RECOMMENDED MATERIALS

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 for 5AT. Using the ATF other than recommended or equivalent would be a trouble cause.

Fluid		Recommended	Alternative	Remarks
Automatic transmission fluid	4AT	SUBARU ATF	IDEMITSU: Apolloil ATF HP Castrol: Transmax J DEXRON III	—
	5AT	SUBARU ATF	IDEMITSU: Apolloil ATF HP Castrol: Transmax J	—
Power steering fluid		DEXRON III	—	—
Brake fluid		FMVSS No. 116 DOT3	—	—
Clutch fluid		FMVSS No. 116 DOT3	—	—

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)
Cooling system conditioner	Cooling system conditioner	SOA635071	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	Item number	Alternative
Refrigerant	HFC134a	—	None
Compressor oil	DENSO OIL 8	—	None

Recommended Materials

RECOMMENDED MATERIALS

7. GREASE

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

Grease	Application point	Recommended	Item number	Alternative
Supplementary lubricants	- Oxygen sensor - Bolts, etc.	Spray type lubricant	—	—
Grease	MT main shaft	NICHIMOLY N-130	—	—
	Clutch master cylinder push rod	SILICONE GREASE G-40M	004404003	—
	- Gear shift lever - Select lever - Clutch operating cylinder - Clutch pedal - Brake pedal - Clutch bearing - Clutch release lever	KOPR-KOTE	003603001	—
	- Door latch - Door striker	SILICONE GREASE G-30M	004404002	—
	Steering gearbox	VALIANT GREASE M2	003608001	—
	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	—	—
	Front axle PTJ	NKG302	—	—
	- Front axle EBJ - Rear axle BJ - Rear axle EBJ	NTG2218-M	—	—
	Rear axle DOJ	NKG205	—	—

8. ADHESIVE

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, 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

Recommended Materials

RECOMMENDED MATERIALS

9. SEAL MATERIAL

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

Seal material	Application point	Recommended	Item number	Alternative
Seal material	• 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's No. 7038
	Transmission oil pan (AT model)	THREE BOND 1217B	K0877YA020	—
	Engine oil pan (Except for 3.0 L model)	THREE BOND 1207C	004403012	—
	• Rear differential • Engine oil pressure switch • Connector (Oil hose) (Turbo model) • Cylinder head (Nipple) (3.0 L model) • Camshaft bowl-shape plug (3.0 L model)	THREE BOND 1324	004403042	—
	• Rear differential • PCV valve	THREE BOND 1105	004403010	DOW CORNING's No. 7038
	Steering adjusting screw	THREE BOND 1141	004403006	—
	• SOHC camshaft cap • Cam cap (3.0 L model) • Cylinder head plug (3.0 L model) • Rocker cover (3.0 L 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
	• Front sealing cover • Rear sealing cover	3M Butyl Rubber 8626	—	—