

## 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 an octane rating above the value specified in the instructions manual. If the following specifications are ignored, the engine and fuel injection system may become damaged, or its performance may be reduced. To gain proper performance, always use specified gasoline.



- **Unleaded gasoline**

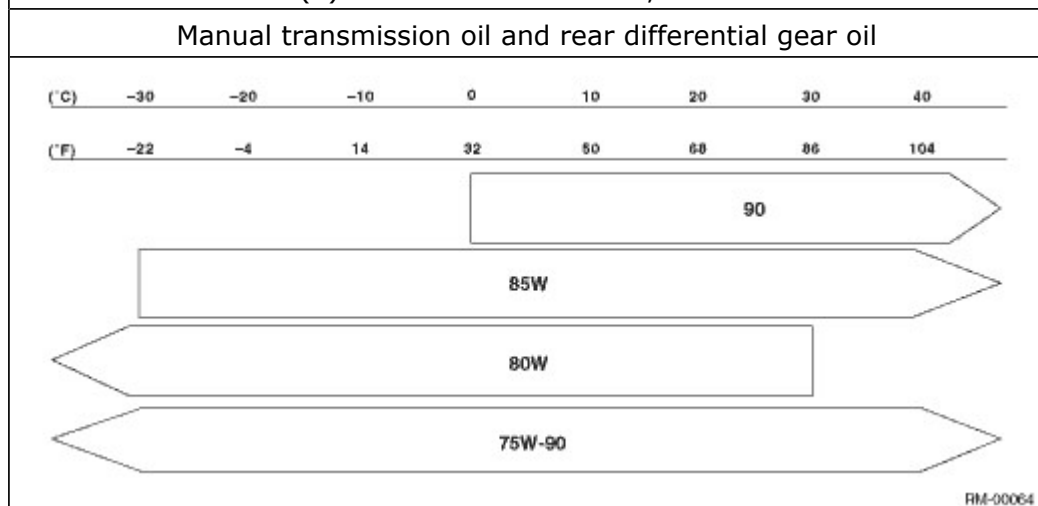
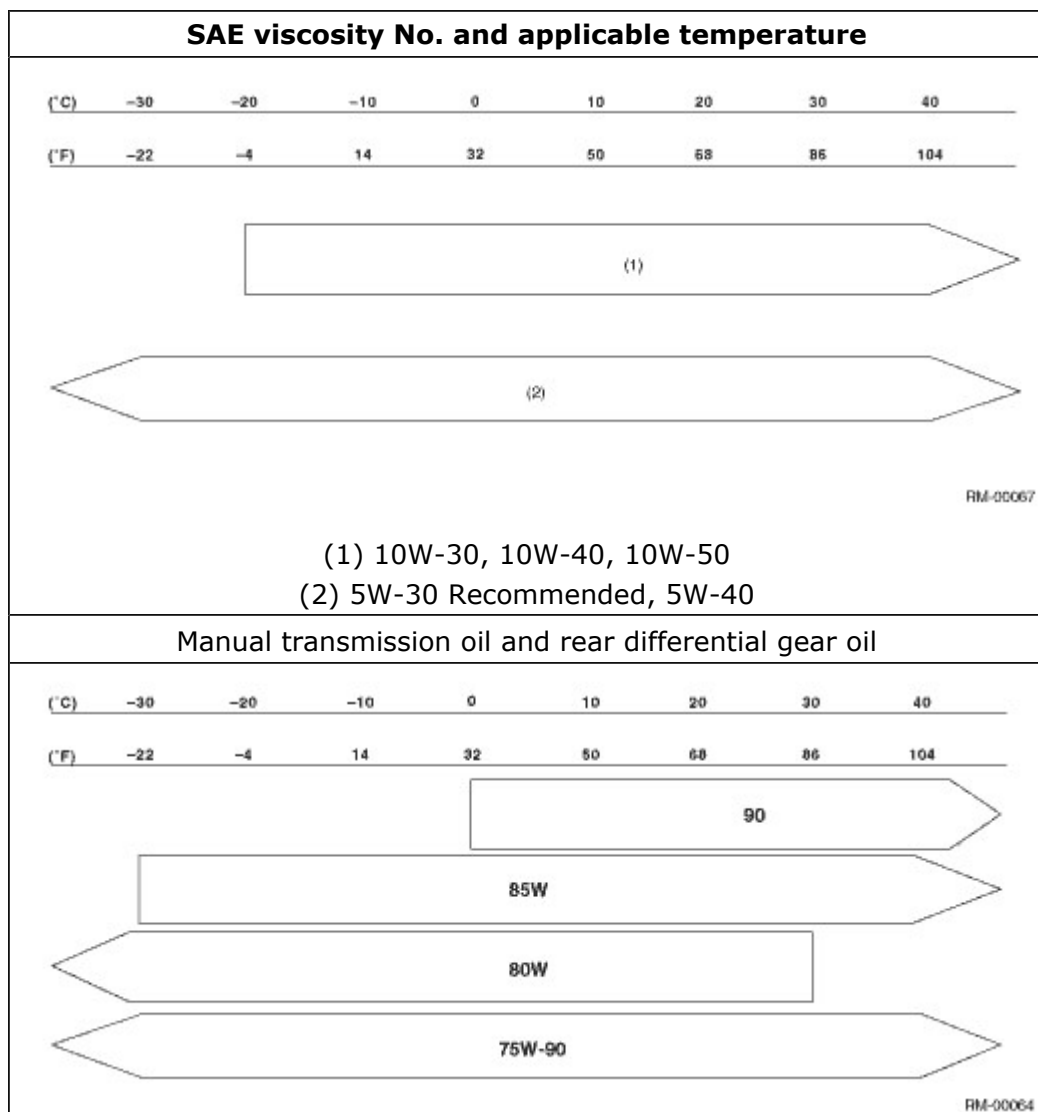
For vehicles equipped with a catalytic converter for reducing air pollution, use unleaded gasoline. If leaded gasoline is used, the catalytic converter may become damaged.

Model	Gasoline	Research octane rating
WRX STI	Unleaded	98 RON or higher

### 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		Alternative
	API standard or ILSAC standard	ACEA standard	API standard
Engine oil Choose oil suitable for the standard from the right.	SM   <small>RM-00049</small>  GF4 (Those with a mark)   <small>RM-00002</small>	A1, A3 or A5	SL
Manual transmission oil	GL-5	—	—
Rear differential gear oil	GL-5	—	—
<b>SAE viscosity No. and applicable temperature</b>			
Engine oil			



#### 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	Remarks
Power steering fluid	SUBARU PS fluid	K0515YA000	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 genuine coolant to protect the engine.

	Recommended materials	Item number	Alternative
Coolant	SUBARU SUPER COOLANT	K0670Y0001	Non-amine type *

\* When using alternative engine coolant, follow the instructions of the engine coolant for its diluting water, maintenance cycle, freezing concentration, etc.

#### 6. REFRIGERANT

Standard air conditioners on Subaru vehicles use HFC134a refrigerant. Do not mix it with other refrigerants. Also, never use air compressor oils other than DH-PR.

<b>Air conditioner</b>	<b>Recommended materials</b>	<b>Item number</b>	<b>Alternative</b>
Refrigerant	HFC134a	—	None
Compressor oil	DH-PR	—	None

## 7. GREASE

Use grease and supplementary lubricants shown in the table below.

<b>Grease</b>	<b>Application point</b>	<b>Recommended materials</b>	<b>Item number</b>	<b>Alternative</b>
Supplementary lubricants	Oxygen sensor	Spray type lubricant	004301003	—
Grease	<ul style="list-style-type: none"> <li>• MT main shaft (spline parts)</li> <li>• MT main shaft (oil seal lip)</li> <li>• Clutch release lever</li> </ul>	NICHIMOLY N-130	—	—
	Clutch master cylinder push rod	SILICONE GREASE G-40M	—	—
	<ul style="list-style-type: none"> <li>• Gear shift lever</li> <li>• Clutch operating cylinder</li> <li>• Clutch pedal</li> <li>• Brake pedal</li> <li>• Release bearing</li> </ul>	NIGHTIGHT LYW No. 2 grease	—	—
	Steering gearbox	VALIANT GREASE M-2	003608001	ONE LUBER SG
	Disc brake	NIGLUBE RX-2	000041000	—
	Brake pad end face	Molykote M7439	K0770YA000	—
	Between brake pad and shim	Molykote AS880N	—	—
	Parking brake	Brake grease	—	—
	Front axle AAR	ONE LUBER C	—	—
	Rear axle EDJ	NKG205	—	—
	Rear axle EBJ	NKG106	—	—

## 8. ADHESIVE

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

<b>Adhesive</b>	<b>Application point</b>	<b>Recommended materials</b>	<b>Item number</b>	<b>Alternative</b>
Adhesive	Windshield glass, rear quarter glass, rear gate glass, and body	Dow Automotive's adhesive: Gurit-ESSEX Betaseal 1502 or equivalent Glass primer: Betawipe VP 04604, Betaprime 5001	—	—

Adhesive	Application point	Recommended materials	Item number	Alternative
		Paint surface primer: Betaprime 5402		
	Rearview mirror base	REPAIR KIT IN MR	65029FC000	—

## 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"> <li>• Transmission case</li> <li>• Transmission oil pan</li> </ul>	THREE BOND 1215	004403007	DOW CORNING No. 7038
	<ul style="list-style-type: none"> <li>• Rear differential</li> <li>• Oil pressure switch (Engine)</li> </ul>	THREE BOND 1324	004403042	—
	Service hole plug	THREE BOND 1105	004403010	DOW CORNING No. 7038
	Rear differential (side retainer bolt)	THREE BOND 1110B	K0879Y0020	—
	<ul style="list-style-type: none"> <li>• Steering adjusting screw</li> <li>• PCV valve</li> </ul>	THREE BOND 1141G	004403006	—
	<ul style="list-style-type: none"> <li>• Cylinder block</li> <li>• Camshaft cap</li> <li>• Oil pump</li> <li>• Engine oil pan</li> <li>• DOHC rocker cover</li> <li>• Separator cover</li> </ul>	THREE BOND 1217G	K0877Y0100	—
	<ul style="list-style-type: none"> <li>• Front door sealing cover</li> <li>• Rear door sealing cover</li> </ul>	3M Butyl Rubber 8626	—	—