

DEFINITIONS OF SEVERE CONDITIONS (Except for U.S.A. and CANADA)

1.Required maintenance under the following conditions

- For vehicles used under any of the following conditions, the maintenance items listed below should be performed in addition to the scheduled maintenance.

A: Road conditions

- Operating on rough or muddy roads, or roads with melted snow.
- Operating on dusty roads.
- Operating on road which has road salt applied.
- Operating frequently on 2,000 m (6,562 ft.) above sea. (Vehicle with high altitude compensator or EFI diesel engine.)
Operating frequently on 700 m (2,297 ft.) above sea. (Vehicle without high altitude compensator or EFI diesel engine.)

B: Driving conditions

- Heavily loaded vehicle. (Example : Towing a trailer, using a camper, using a car top carrier, etc.)
- Repeated short trips less than 8 km (5 miles) and outside temperatures remain below freezing. (Engine temperature will not reach to normal temperature.)
- Repeated short trips less than 15 km (9 miles). (Engine temperature will not reach to normal temperature.)
- Extensive idling and/or low speed driving for a long distance such as police, taxi or door-to-door delivery use.
- Continuous high speed driving (80 % or more of maximum vehicle speed) for over 2 hours.
- Daily (30 min. or more) off-road operation of the vehicles at high engine speed and low vehicle speed, such as heavy cargo transportation, off-roads trailer towing.

Conditions						Items								
A: Road conditions				B: Driving conditions										
1.	2.	3.	4.	1.	2.									
				1.	2.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Gasoline engine</td> <td>For 2TR-FBE, 1NR-FBE, 2NR-FBE, 2ZR-FBE, c</td> </tr> <tr> <td>Others</td> <td></td> </tr> <tr> <td colspan="2">Diesel engine</td> </tr> <tr> <td colspan="2">LPG & CNG engine</td> </tr> </table>	Gasoline engine	For 2TR-FBE, 1NR-FBE, 2NR-FBE, 2ZR-FBE, c	Others		Diesel engine		LPG & CNG engine	
Gasoline engine	For 2TR-FBE, 1NR-FBE, 2NR-FBE, 2ZR-FBE, c													
Others														
Diesel engine														
LPG & CNG engine														
				3.	4.	Engine oil filter								
				5.	6.	Engine oil filter								
						Air cleaner filter								
						CNG tank								
						Brake linings and drums (Include parking brake linings and drums)								
						Brake pads and discs								
						Brake pipes and hose (Except EUROPE)								
						Suspension ball joints and dust cover								
						•2 Clutch fluid								
						Drive shaft boots								
						Tighten bolts or nuts for drive shaft (flange-type)								
						Manual transmission oil								
						Automatic transmission fluid								
						Transfer oil								
						Front differential oil								
						Rear differential oil								
						Propeller shaft grease								
						Tighten bolt for propeller shaft								
						Steering wheel, linkage and steering gear box								
						Wheel bearing grease								
						Steering knuckle, drag link, kingpin, center arm and steering linkage grease (Except for AUSTRALIA, GENERAL)								
						Front and rear suspension								
						Bolts and nuts on chassis and body								
						Air conditioner filter								

*1: For FR base 4WD models.

*2: For Land Cruiser 150 and FJ Cruiser (1GR-FE engine models) only.