

## 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 or waterlogged roads.
- Operating on dusty roads. (Roads in areas where their pavement rate is low, or a cloud of dust often arises and the air is dry.)
- 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 of less than 8 km (5 miles) and outside temperatures remain below freezing. (Engine temperature will not reach to normal temperature.)
- Repeated short trips of 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, professional/private use like 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.	3.	4.	5.	6.				
•				•		•	•			Engine oil	Gasoline engine	For 2TR-FBE, 1NR-FBE, 2NR-FBE, 1ZR-FBE, or 2ZR-FBE engines only	
•				•	•		•				Others		
•			•	•	•		•				Diesel engine		
•				•	•		•				LPG & CNG engine		
•				•		•	•			Engine oil filter		For 2TR-FBE, 1NR-FBE, 2NR-FBE, 1ZR-FBE, or 2ZR-FBE engines only	
•				•	•		•				Others		
•										Air cleaner filter			
								•		HEV battery cooling intake filter			
								•		CNG tank			
•								•		Hydrogen supply system (For FC SYSTEM only)			
•								•		Hydrogen tank with valve (For FC SYSTEM only)			
•								•		Hydrogen tank band (For FC SYSTEM only)			
•	•			•			•			Brake linings and drums (Including parking brake linings and drums)			
•	•			•			•			Brake pads and discs			
•										Brake pipes and hoses (Except for EUROPE)			
•	•			•			•			Brake master cylinder, wheel cylinder cup and rubber parts			
•										Suspension ball joints and dust covers			
									•2	Clutch fluid			
•										Clutch fork grease			
•	•	•								Clutch switch			
•	•	•								Stop light switch			
•										Drive shaft boots			
•										Tighten bolts or nuts for drive shaft (flange-type)			
				•				•		Manual transmission oil			
					•			•	•	Automatic transmission fluid		For brand-new, model changed, or minor changed non-hybrid electric vehicles and non-battery electric vehicle, that have been produced since January 2015, and also for T24A-FTS(HEV) model	
					•			•			Others		
•*1	•*1			•				•		Transfer oil			
				•				•		Transaxle fluid (e-Transaxle fluid)			
					•			•		Front differential oil	Integrated with transmission	M/T model	
				•			•	•	A/T model			For brand-new, model changed, or minor changed non-hybrid electric vehicles and non-battery electric vehicle, that have been produced since January 2015, and also for T24A-FTS(HEV) model	
				•				•			Others		
				•				•			Separated from transmission		
				•				•		Rear differential oil			
•	•	•		•						Propeller shaft grease			
•	•	•		•						Tighten bolt for propeller shaft			
•*3	•*3	•*3		•*3						Propeller shaft boots			
•										Steering wheel, linkage and steering gear box			
•				•						Wheel bearing grease			
•										Steering knuckle, drag link, kingpin, center arm and steering linkage grease (Except for AUSTRALIA and GENERAL)			
•				•						Front and rear suspension			
•				•						Bolts and nuts on chassis and body			
•				•						Tires and inflation pressure (For Europe only)			
•										Air conditioner filter			

\*1: For FR base 4WD models.

\*2: For Land Cruiser 150 only.

\*3: For Land Cruiser 300, Land Cruiser Prado, GX550, GX550h, LX600, and LX500d only.