

SECTION **MA**

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RECOMMENDED FLUIDS AND LUBRICANTS

Fluids and Lubricants

			Capacity (Approximate)			Recommended Fuel/Lubricants
			US measure	Imp measure	Liter	
Engine oil (Refill)						
VG30E	Truck (2WD)	With oil filter	4-1/4 qt	3-1/2 qt	4.0	Energy Conserving Oils*2 of API SG or SH
		Without oil filter	3-7/8 qt	3-1/8 qt	3.6	
VG30E	Truck (4WD) & Pathfinder	With oil filter	3-5/8 qt	3 qt	3.4	
		Without oil filter	3-1/8 qt	2-5/8 qt	3.0	
KA24E	2WD	With oil filter	4-1/8 qt	3-3/8 qt	3.9	
		Without oil filter	3-3/4 qt	3-1/8 qt	3.5	
KA24E	4WD	With oil filter	4-3/8 qt	3-5/8 qt	4.1	
		Without oil filter	4 qt	3-3/8 qt	3.8	
Cooling system (With reservoir)						
	VG30E	2WD	11-3/8 qt	9-3/8 qt	10.7	
		4WD	12-3/8 qt	10-1/4 qt	11.7	
	KA24E	2WD	8-5/8 qt	7-1/8 qt	8.1	
		4WD	9-1/2 qt	7-7/8 qt	9.0	
Manual transmission gear oil	FS5W71C	2WD	4-1/4 pt	3-1/2 pt	2.0	API GL-4*1
		4WD	8-1/2 pt	7 pt	4.0	
	FS5R30A	2WD	5-1/8 pt	4-1/4 pt	2.4	
		4WD	7-5/8 pt	6-3/8 pt	3.6	
Transfer gear oil			2-3/8 qt	2 qt	2.2	Genuine Nissan ATF or equivalent*3
Manual steering gear oil			3/4 pt	5/8 pt	0.33	API GL-4*1
Differential carrier gear oil						
Rear:	H190A		3-1/8 pt	2-5/8 pt	1.5	Standard differential gear: API GL-5*1 Limited-slip differential (LSD) gear: Use only LSD gear oil API GL-5 and SAE 80W-90*4 approved for Nissan LSD*5.
	C200		2-3/4 pt	2-1/4 pt	1.3	
	H233B		5-7/8 pt	4-7/8 pt	2.8	
Front (4WD):	R180A		2-3/4 pt	2-1/4 pt	1.3	
	R200A		3-1/8 pt	2-5/8 pt	1.5	
Automatic transmission fluid	2WD		8-3/8 qt	7 qt	7.9	Genuine Nissan ATF or equivalent*3
	4WD		9 qt	7-1/2 qt	8.5	
Power steering fluid			2-1/8 pt	1-3/4 pt	1.0	Type DEXRON™ II or equivalent
Brake and clutch fluid			—	—	—	Genuine Nissan Brake Fluid*3 or equivalent DOT 3 (US FMVSS No. 116)
Multi-purpose grease			—	—	—	NLGI No. 2 (Lithium soap base)
Free-running hub grease (Auto-lock)			—	—	—	Genuine Nissan grease or equivalent

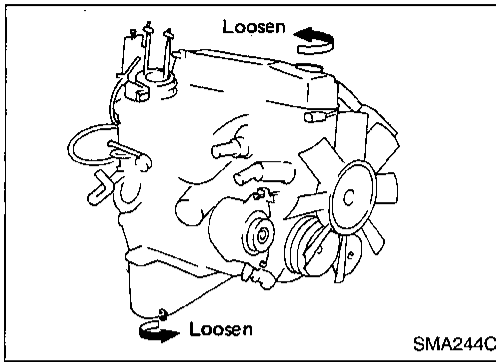
*1: For further details, see the recommended SAE viscosity number chart.

*2: These oils can be identified by such labels as EC-I, EC-II, energy conserving, energy saving, improved fuel economy, etc.

*3: For more information regarding suitable fluids, contact a Nissan dealer.

*4: SAE 90 is acceptable in ambient temperatures above -18°C (0°F).

*5: Contact a Nissan dealer for a list of approved oils.



Changing Engine Oil

WARNING:

- Be careful not to burn yourself, as the engine oil is hot.
- Prolonged and repeated contact with used engine oil may cause skin cancer; try to avoid direct skin contact with used oil. If skin contact is made, wash thoroughly with soap or hand cleaner as soon as possible.

1. Warm up engine, and check for oil leakage from engine components.
2. Remove drain plug and oil filler cap.
3. Drain oil and refill with new engine oil.

Oil grade: API SG or SH

Viscosity:

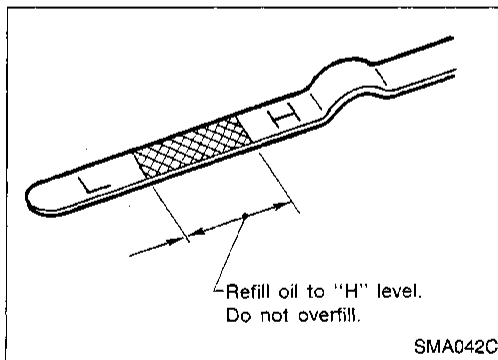
See **RECOMMENDED FLUIDS AND LUBRICANTS, MA-2** in this Supplement.

Refill oil capacity (Approximately):

	Unit: ℓ (US qt, Imp qt)	
	2WD	4WD
With oil filter change	3.9 (4-1/8, 3-3/8)	4.1 (4-3/8, 3-5/8)
Without oil filter change	3.5 (3-3/4, 3-1/8)	3.8 (4, 3-3/8)

CAUTION:

- Be sure to clean drain plug and install with new washer.
Drain plug:
: 29 - 39 N·m
 (3.0 - 4.0 kg-m, 22 - 29 ft-lb)
- The refill capacity changes depending on the oil temperature and drain time, use these values as a reference and be certain to check with the dipstick when changing the oil.



4. Check oil level.
5. Start engine and check area around drain plug and oil filter for oil leakage.
6. Run engine for a few minutes, then turn it off. After several minutes, check oil level.

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