

SECTION

MA

MAINTENANCE

A

B

C

CONTENTS

E

SERVICE INFORMATION	2	Periodic Maintenance (For Europe)	3	F
MODIFICATION NOTICE	2	Periodic Maintenance (For Australia)	8	
Major Modification Item	2	RECOMMENDED FLUIDS AND LUBRI-		G
PERIODIC MAINTENANCE	3	CANTS	12	
		Fluids and Lubricants	12	H

I

J

K

MODIFICATION NOTICE

< SERVICE INFORMATION >

SERVICE INFORMATION

MODIFICATION NOTICE

Major Modification Item

INFOID:000000003809577

- The maintenance schedules for Europe and Australia have been revised according to the introduction of YD25DDTi engine with common rail.
- The specifications of recommended fluids and lubricants for engine oil have been revised.

PERIODIC MAINTENANCE

< SERVICE INFORMATION >

PERIODIC MAINTENANCE

Periodic Maintenance (For Europe)

INFOID:000000003809533

The following tables show the normal maintenance schedule. Depending upon weather and atmospheric conditions, varying road surfaces, individual driving habits and vehicle usage, additional or more frequent maintenance may be required.

Periodic maintenance beyond the last period shown on the tables requires similar maintenance.

ENGINE AND EMISSION CONTROL MAINTENANCE (YD25DDTi DIESEL ENGINE)

(Annual Mileage < 30,000 km/year)

Abbreviations: I = Inspect and correct or replace as necessary, R = Replace, D = Check filter and drain water

MAINTENANCE OPERATION		MAINTENANCE INTERVAL				Reference page
Perform at a kilometer (mile) or month interval, whichever comes first.	km x 1,000 (Miles x 1,000) Months	30 (18) 24	60 (36) 48	90 (54) 72	120 (72) 96	
Engine compartment and under vehicle						
Intake & exhaust valve clearance	See NOTE (1)					EM section*
Drive belts	See NOTE (2)	I	I	I	I	MA section*
Engine oil (Use recommended oil.)★	See NOTE (3)	Replace every 30,000 km (18,000 miles)/12 months				MA section*
Engine oil filter (Use genuine NISSAN engine oil filter or equivalent)★		Replace every 30,000 km (18,000 miles)/12 months				MA section*
Engine coolant (Use Genuine NISSAN Engine Coolant or equivalent in its quality.)	See NOTE (4)	I	I			MA section*
Cooling system		I	I	I	I	MA section*
Fuel lines		I	I	I	I	MA section*
Air cleaner filter (Dry paper type) ★			R		R	MA section*
Fuel filter★		D	R	D	R	MA section*
Fuel injector	See NOTE (5)					EC section*

NOTE:

- Maintenance items with “★” should be performed more frequently according to “Maintenance Under Severe Driving Conditions”.
- (1) Periodic maintenance is not required. However, if valve noise increases, check valve clearance.
- (2) Replace the drive belts if found damaged.
- (3) Never use API CG-4 grade oil.
- (4) Use Genuine NISSAN Engine Coolant or equivalent in its quality, in order to avoid possible aluminum corrosion within the engine cooling system caused by the use of non-genuine engine coolant. First replace at 90,000 km (54,000 miles)/60 months, then every 60,000 km (36,000 miles)/48 months. Perform “I” (checking the mixture ratio and correcting the mixture ratio if necessary) at the middle of replacement interval.
- (5) If engine power decreases, black exhaust smoke is emitted or engine noise increases, perform this maintenance item.
- *: Refer to SM1E-D22CE0E.

CHASSIS AND BODY MAINTENANCE (YD25DDTi DIESEL ENGINE)

(Annual Mileage < 30,000 km/year)

PERIODIC MAINTENANCE

< SERVICE INFORMATION >

Abbreviations: I = Inspect and correct or replace as necessary, R = Replace, L = Lubricate, T = Tighten

MAINTENANCE OPERATION		MAINTENANCE INTERVAL								Reference page
Perform at a kilometer (mile) or month interval, whichever comes first.	km x 1,000	15	30	45	60	75	90	105	120	
	(Miles x 1,000)	(9)	(18)	(27)	(36)	(45)	(54)	(63)	(72)	
	Months	12	24	36	48	60	72	84	96	
Underhood and under vehicle										
Headlamp aiming			I		I		I		I	EL section* ³
Brake & clutch, systems and fluids (For level & leaks)			I		I		I		I	MA section* ³
Brake fluid★			R		R		R		R	MA section* ³
Brake booster vacuum hoses, connections & check valve			I		I		I		I	MA section* ³
Power steering fluid & lines (For level & leaks)			I		I		I		I	MA section* ³
Manual transmission gear oil (For level & leaks or replace)			I		I		[R]		I	MA section* ³
Transfer fluid (For level & leaks)		I	I	I	I	I	I	I	I	MA section* ³
Differential gear oil (For level & leaks or replace)★		I	I	I	R	I	I	I	R	MA section* ³
Limited-slip differential (LSD) gear oil (For level and leaks)★		I	I	I	I	I	I	I	I	MA section* ³
Limited-slip differential (LSD) gear oil (For replace)★					R* ¹				R* ²	MA section* ³
Steering gear & linkage, axle & suspension parts, propeller shaft, drive shafts & exhaust system★		I	I	I	I	I	I	I	I	MA section* ³
Wheel alignment (If necessary, rotate & balance wheels)			I		I		I		I	MA section* ³ FA section* ³
Brake pads, rotors & other brake components★			I		I		I		I	MA section* ³
Brake linings, drums & other brake components★			I		I		I		I	MA section* ³
Foot brake, parking brake & clutch (For free play, stroke & operation)			I		I		I		I	BR section* ³ CL section* ³
Greasing point of steering linkage, propeller shaft & suspension (4WD models)★	See NOTE (1)	L	L	L	L	L	L	L	L	MA section* ³
Front wheel bearing grease (2WD models)			I		I		I		I	FA section* ³
Front wheel bearing grease (4WD models)★		I	R	I	R	I	R	I	R	FA section* ³
Free-running hub grease★		I	I	I	I	I	I	I	I	FA section* ³
Body mountings	See NOTE (2)		T		T		T		T	BT section* ³
Body corrosion	See NOTE (3)									MA section* ³

*1: Replace at 60,000 km (36,000 miles) or 24 months, whichever comes first.

*2: Replace at 120,000 km (72,000 miles) or 48 months, whichever comes first.

*3: Refer to SM8E-0D22E0E

NOTE:

- (1) The propeller shaft should be re-greased after being immersed in water.
- (2) It is applicable, when the vehicle is in commercial use.

PERIODIC MAINTENANCE

< SERVICE INFORMATION >

- (3) Inspect once per year.
- Maintenance items with “★” should be performed more frequently according to “Maintenance Under Severe Driving Conditions”.

MAINTENANCE UNDER SEVERE DRIVING CONDITIONS

(Annual Mileage < 30,000 km/year)

The maintenance intervals shown on the preceding pages are for normal operating conditions. If the vehicle is mainly operated under severe driving conditions as shown below, more frequent maintenance must be performed on the following items as shown in the table.

Severe driving conditions

A — Driving in dusty conditions

B — Driving repeatedly short distances

C — Towing a trailer or caravan

D — Extensive idling

E — Driving in extremely adverse weather conditions or in areas where ambient temperatures are either extremely low or extremely high

F — Driving in high humidity or mountainous areas

G — Driving in areas using salt or other corrosive materials

H — Driving on rough and/or muddy roads or in the desert

I — Driving with frequent use of braking or in mountainous areas

J — Frequent off road use or driving in water

Maintenance operation: Inspect = Inspect and correct or replace as necessary.

Driving condition										Maintenance item	Maintenance operation	Maintenance interval	Reference page
A	.	.	.	.	.	.	.	.	.	Air cleaner filter	Replace	Every 30,000 km (18,000 miles) or 24 months	MA section*1
A	B	C	D	.	.	.	.	.	.	Engine oil & engine oil filter	Replace	Every 15,000 km (9,000 miles) or 12 months	MA section*1
A	.	.	.	E	.	.	.	.	.	Fuel filter	Replace	Every 30,000 km (18,000 miles) or 24 months	MA section*1
.	.	.	.	.	F	.	.	.	.	Brake fluid	Replace	Every 15,000 km (9,000 miles) or 12 months	MA section*2
.	.	C	.	.	.	.	H	.	.	Differential gear oil	Replace	Every 30,000 km (18,000 miles) or 24 months	MA section*2
.	.	C	.	.	.	.	H	.	.	Limited-slip differential (LSD) gear oil	Replace	Every 30,000 km (18,000 miles) or 12 months	MA section*2
.	.	.	.	.	.	G	H	.	.	Steering gear & linkage, axle & suspension parts, propeller shaft, drive shafts, & exhaust system	Inspect	Every 7,500 km (4,500 miles) or 6 months	MA section*2
A	.	C	.	.	.	G	H	I	.	Brake pads, rotors & other brake components	Inspect	Every 15,000 km (9,000 miles) or 12 months	MA section*2
A	.	C	.	.	.	G	H	I	.	Brake linings, drums & other brake components	Inspect	Every 15,000 km (9,000 miles) or 12 months	MA section*2
.	.	.	.	.	.	G	H	.	J	Greasing point of steering linkage, propeller shaft & suspension (4WD models)	Lubricate	Every 7,500 km (4,500 miles) or 6 months	MA section*2
.	.	.	.	.	.	.	.	.	J	Front wheel bearing grease (4WD models)	Inspect	Every 7,500 km (4,500 miles) or 6 months	FA section*2
.	.	.	.	.	.	.	.	.	J	Free-running hub grease	Inspect	Every 7,500 km (4,500 miles) or 6 months	FA section*2

• *1: Refer to SM1E-D22CE0E.

• *2: Refer to SM8E-0D22E0E.

PERIODIC MAINTENANCE

< SERVICE INFORMATION >

Maintenance for off-road driving (4X4 only)

Whenever you drive off-road through sand, mud or water as deep as the wheel hub, more frequent maintenance may be required of the following items:

- Brake pads and rotors
- Brake lining and drums
- Brake lines and hoses
- wheel bearing grease
- Free-running hub grease
- Differential gear oil, transfer fluid and manual transmission gear oil
- Propeller shaft and drive shafts
- Steering linkage
- Air cleaner filter
- Clutch housing (check water entry)

ENGINE AND EMISSION CONTROL MAINTENANCE (YD25DDTi DIESEL ENGINE)

(Annual Mileage > 30,000 km/year)

Abbreviations: I = Inspect and correct or replace as necessary, R = Replace, D = Check filter and drain water

MAINTENANCE OPERATION		MAINTENANCE INTERVAL				Reference page
Perform at a kilometer (mile) interval only.	km x 1,000 (Miles x 1,000)	30 (18)	60 (36)	90 (54)	120 (72)	
Engine compartment and under vehicle						
Intake & exhaust valve clearance	See NOTE (1)					EM section*
Drive belts	See NOTE (2)	I	I	I	I	MA section*
Engine oil (Use recommended oil.)★	See NOTE (3)	R	R	R	R	MA section*
Engine oil filter (Use Genuine NISSAN engine oil filter or equivalent)★		R	R	R	R	MA section*
Engine coolant (Use Genuine NISSAN Engine Coolant or equivalent in its quality.)	See NOTE (4)	I	I	R	I	MA section*
Cooling system		I	I	I	I	MA section*
Fuel lines			I		I	MA section*
Air cleaner filter (Dry paper type) ★			R		R	MA section*
Fuel filter★		D	R	D	R	MA section*
Fuel injector	See NOTE (5)					EC section*

NOTE:

- Maintenance items with “★” should be performed more frequently according to “Maintenance Under Severe Driving Conditions”.
- (1) Periodic maintenance is not required. However, if valve noise increases, check valve clearance.
- (2) Replace the drive belts if found damaged.
- (3) Never use API CG-4 grade oil.
- (4) Use Genuine NISSAN Engine Coolant or equivalent in its quality, in order to avoid possible aluminum corrosion within the engine cooling system caused by the use of non-genuine engine coolant. First replace at 90,000 km (54,000 miles), then every 60,000 km (36,000 miles). After first replacement, perform “I” (checking the mixture ratio and correcting the mixture ratio if necessary) at the middle of replacement interval.
- (5) If engine power decreases, black exhaust smoke is emitted or engine noise increases, perform this maintenance item.
- *: Refer to SM1E-D22CE0E.

CHASSIS AND BODY MAINTENANCE (YD25DDTi DIESEL ENGINE)

(Annual Mileage > 30,000 km/year)

PERIODIC MAINTENANCE

< SERVICE INFORMATION >

Abbreviations: I = Inspect and correct or replace as necessary, R = Replace, L = Lubricate, T = Tighten

MAINTENANCE OPERATION		MAINTENANCE INTERVAL				Reference page
Perform at a kilometer (mile) interval only.	km x 1,000 (Miles x 1,000)	30 (18)	60 (36)	90 (54)	120 (72)	
Underhood and under vehicle						
Headlamp aiming		I	I	I	I	EL section*
Brake & clutch, systems and fluids (For level & leaks)		I	I	I	I	MA section*
Brake fluid★			R		R	MA section*
Brake booster vacuum hoses, connections & check valve			I		I	MA section*
Power steering fluid & lines (For level & leaks)		I	I	I	I	MA section*
Manual transmission gear oil (For level & leaks or replace)		I	I	R	I	MA section*
Transfer fluid (For level & leaks)		I	I	I	I	MA section*
Differential gear oil (For level & leaks or replace)★		I	R	I	R	MA section*
Limited-slip differential (LSD) gear oil (for level and leaks or replace)★		I	R	I	R	MA section*
Steering gear & linkage, axle & suspension parts, propeller shaft, drive shafts, & exhaust system★		I	I	I	I	MA section*
Wheel alignment (If necessary, rotate & balance wheels)		I	I	I	I	MA section* FA section*
Brake pads, rotors & other brake components★		I	I	I	I	MA section*
Brake linings, drums & other brake components★		I	I	I	I	MA section*
Foot brake, parking brake & clutch (For free play, stroke & operation)		I	I	I	I	BR section* CL section*
Greasing point of steering linkage, propeller shaft & suspension (4WD models)★	See NOTE (1)	L	L	L	L	MA section*
Front wheel bearing grease (2WD models)			I		I	FA section*
Front wheel bearing grease (4WD models)★		I	R	I	R	FA section*
Free-running hub grease★		I	I	I	I	FA section*
Body mountings	See NOTE (2)	T	T	T	T	BT section*
Body corrosion	See NOTE (3)					MA section*

NOTE:

- (1) The propeller shaft should be re-greased after being immersed in water.
- (2) It is applicable, when the vehicle is in commercial use.
- (3) Inspect once per year.
- Maintenance items with “★” should be performed more frequently according to “Maintenance Under Severe Driving Conditions”.
- *: Refer to SM8E-0D22E0E.

MAINTENANCE UNDER SEVERE DRIVING CONDITIONS

(Annual Mileage > 30,000 km/year)

The maintenance intervals shown on the preceding pages are for normal operating conditions. If the vehicle is mainly operated under severe driving conditions as shown below, more frequent maintenance must be performed on the following items as shown in the table.

Severe driving conditions

- A — Driving in dusty conditions
- B — Driving repeatedly short distances
- C — Towing a trailer or caravan

PERIODIC MAINTENANCE

< SERVICE INFORMATION >

D — Extensive idling

E — Driving in extremely adverse weather conditions or in areas where ambient temperatures are either extremely low or extremely high

F — Driving in high humidity or mountainous areas

G — Driving in areas using salt or other corrosive materials

H — Driving on rough and/or muddy roads or in the desert

I — Driving with frequent use of braking or in mountainous areas

J — Frequent off road use or driving in water

Maintenance operation: Inspect = Inspect and correct or replace as necessary.

Driving condition										Maintenance item	Maintenance operation	Maintenance interval	Reference page
A	.	.	.	.	.	.	.	.	.	Air cleaner filter	Replace	Every 30,000 km (18,000 miles)	MA section*1
A	B	C	D	.	.	.	.	.	.	Engine oil & engine oil filter	Replace	Every 15,000 km (9,000 miles)	MA section*1
A	.	.	.	E	.	.	.	.	.	Fuel filter	Replace	Every 30,000 km (18,000 miles)	MA section*1
.	.	.	.	.	F	.	.	.	.	Brake fluid	Replace	Every 30,000 km (18,000 miles)	MA section*2
.	.	C	.	.	.	.	H	.	.	Differential gear oil	Replace	Every 30,000 km (18,000 miles)	MA section*2
.	.	C	.	.	.	.	H	.	.	Limited-slip differential (LSD) gear oil	Replace	Every 30,000 km (18,000 miles)	MA section*2
.	.	.	.	.	.	G	H	.	.	Steering gear & linkage, axle & suspension parts, propeller shaft, drive shafts, & exhaust system	Inspect	Every 15,000 km (9,000 miles)	MA section*2
A	.	C	.	.	.	G	H	I	.	Brake pads, rotors & other brake components	Inspect	Every 15,000 km (9,000 miles)	MA section*2
A	.	C	.	.	.	G	H	I	.	Brake linings, drums & other brake components	Inspect	Every 15,000 km (9,000 miles)	MA section*2
.	.	.	.	.	.	G	H	.	J	Greasing point of steering linkage, propeller shaft & suspension (4WD models)	Lubricate	Every 15,000 km (9,000 miles)	MA section*2
.	.	.	.	.	.	.	.	.	J	Front wheel bearing grease (4WD models)	Inspect	Every 15,000 km (9,000 miles)	FA section*2
.	.	.	.	.	.	.	.	.	J	Free-running hub grease	Inspect	Every 15,000 km (9,000 miles)	FA section*2

• *1: Refer to SM1E-D22CE0E.

• *2: Refer to SM8E-0D22E0E.

Maintenance for off-road driving (4X4 only)

Whenever you drive off-road through sand, mud or water as deep as the wheel hub, more frequent maintenance may be required of the following items:

- Brake pads and rotors
- Brake lining and drums
- Brake lines and hoses
- Wheel bearing grease
- Free-running hub grease
- Differential gear oil, transfer fluid and manual transmission gear oil
- Propeller shaft and front drive shafts
- Steering linkage
- Air cleaner filter
- Clutch housing (check water entry)

Periodic Maintenance (For Australia)

INFOID:000000003809578

The following tables show the normal maintenance schedule. Depending upon weather and atmospheric conditions, varying road surfaces, individual driving habits and vehicle usage, additional or more frequent maintenance may be required.

Periodic maintenance beyond the last period shown on the tables requires similar maintenance.

PERIODIC MAINTENANCE

< SERVICE INFORMATION >

ENGINE AND EMISSION CONTROL MAINTENANCE (YD25DDTi DIESEL ENGINE)

Abbreviations: I = Inspect and correct or replace as necessary, R = Replace, D = Check filter and drain water, E = Check and correct the engine coolant mixture ratio.

MAINTENANCE OPERATION		MAINTENANCE INTERVAL								Reference page
Perform at a kilometer (mile) or month interval, whichever comes first.	km x 1,000 (Miles x 1,000) Months	10 (6) 6	20 (12) 12	30 (18) 18	40 (24) 24	50 (30) 30	60 (36) 36	70 (42) 42	80 (48) 48	
Engine compartment and under vehicle										
Intake & exhaust valve clearance	See NOTE (1)									EM section*
Drive belts	See NOTE (2)		I		I		I		I	MA section*
Engine oil (For 2WD) (Use recommended oil.)★	See NOTE (3)		R		R		R		R	MA section*
Engine oil (For 4WD) (Use recommended oil.)★	See NOTE (3)	Replace every 15,000Km (9,000 miles) or 12 months								MA section*
Engine oil filter (For 2WD) (Use genuine NIS-SAN engine oil filter or equivalent)★			R		R		R		R	MA section*
Engine oil filter (For 4WD) (Use genuine NIS-SAN engine oil filter or equivalent)★		Replace every 15,000Km (9,000 miles) or 12 months								MA section*
Engine coolant (Use Genuine NISSAN Engine Coolant or equivalent in its quality)	See NOTE (4)				E				R	MA section*
Cooling system			I		I		I		I	MA section*
Fuel lines					I				I	MA section*
Air cleaner filter (Dry paper type)		Clean air cleaner filter every 5,000km (3,000 miles)								MA section*
					R				R	MA section*
Fuel filter★		D	D	D	R	D	D	D	R	MA section*
Fuel injector	See NOTE (5)									EC section*

NOTE:

- Maintenance items with “★” should be performed more frequently according to “Maintenance Under Severe Driving Conditions”.
- (1) Periodic maintenance is not required. However, if valve noise increases, check valve clearance.
- (2) Replace the drive belts if found damaged.
- (3) Never use API CG-4 grade oil.
- (4) Use Genuine NISSAN Engine Coolant or equivalent in its quality, in order to avoid possible aluminum corrosion within the engine cooling system caused by the use of non-genuine engine coolant. After first replacement, replace every 40,000 km (24,000 miles) or 24 months.
- (5) If engine power decreases, black exhaust smoke is emitted or engine noise increases, perform this maintenance item.
- *: Refer to SM1E-D22FG1.

CHASSIS AND BODY MAINTENANCE

Abbreviations: I = Inspect and correct or replace as necessary, R = Replace, L = Lubricate, T = Tighten.

MAINTENANCE OPERATION		MAINTENANCE INTERVAL								Reference page
Perform at a kilometer (mile) or month inter- val, whichever comes first.	km x 1,000	10	20	30	40	50	60	70	80	
	(Miles x 1,000)	(6)	(12)	(18)	(24)	(30)	(36)	(42)	(48)	
	Months	6	12	18	24	30	36	42	48	
Underhood and under vehicle										
Brake & clutch fluid (For level & leaks)		I	I	I	I	I	I	I	I	MA section*
Brake fluid★					R				R	MA section*
Brake booster vacuum hoses, connections & check valve					I				I	MA section*

PERIODIC MAINTENANCE

< SERVICE INFORMATION >

MAINTENANCE OPERATION		MAINTENANCE INTERVAL								Reference page
Perform at a kilometer (mile) or month interval, whichever comes first.	km x 1,000 (Miles x 1,000) Months	10 (6) 6	20 (12) 12	30 (18) 18	40 (24) 24	50 (30) 30	60 (36) 36	70 (42) 42	80 (48) 48	
Power steering fluid & lines (For level & leaks)			I		I		I		I	MA section*
Brake, clutch & exhaust system		I	I	I	I	I	I	I	I	MA section*
Manual transmission gear oil (For level & leaks)			I		I		I		I	MA section*
Manual transmission gear oil		Replace every 100,000 km (60,000 miles)								MA section*
Transfer fluid (For level & leaks)		I	I	I	I	I	I	I	I	MA section*
Differential gear oil (For level & leaks or replace)		I	I	I	R	I	I	I	R	MA section*
Limited-slip differential (LSD) gear oil (For level & leaks or replace)		I	I	I	R	I	I	I	R	MA section*
Steering gear & linkage, axle & suspension parts, propeller shaft, & drive shafts ★		I	I	I	I	I	I	I	I	MA section*
Propeller shaft grease (4WD models)★	See NOTE (1)		L		L		L		L	PD section*
Body mountings	See NOTE (2)		T		T		T		T	BT section*
Outside and inside										
Wheel alignment (If necessary, rotate & balance wheels)			I		I		I		I	MA section* FA section*
Brake pads, rotors & other brake components★		I	I	I	I	I	I	I	I	MA section*
Brake linings, drums & other brake components★			I		I		I		I	MA section*
Front wheel bearing grease (2WD models)					I				I	FA section*
Front wheel bearing grease (4WD models)★			I★		R		I★		R	FA section*
Free-running hub grease★			I		I		I		I	FA section*
Locks, hinges & hood latch★			L		L		L		L	MA section*
Seat belts, buckles, retractors, anchors & adjusters			I		I		I		I	MA section*
Foot brake, parking brake & clutch (For free play, stroke & operation)			I		I		I		I	BR section* CL section*

NOTE:

- Maintenance items with “★” should be performed more frequently according to “Maintenance Under Severe Driving Conditions”.
- (1) The propeller shaft should be re-greased after being immersed in water.
- (2) It is applicable, when the vehicle is in commercial use.
- *: Refer to SM7E-0D22G1

MAINTENANCE UNDER SEVERE DRIVING CONDITIONS

The maintenance intervals shown on the preceding pages are for normal operating conditions. If the vehicle is mainly operated under severe driving conditions as shown below, more frequent maintenance must be performed on the following items as shown in the table.

Severe driving conditions

- A — Driving in dusty conditions
- B — Driving repeatedly driving short distances
- C — Towing a trailer or caravan
- D — Extensive idling

PERIODIC MAINTENANCE

< SERVICE INFORMATION >

- E — Driving in extremely adverse weather conditions or in areas where ambient temperatures are either extremely low or extremely high
 F — Driving in high humidity or mountainous areas
 G — Driving in areas using salt or other corrosive materials
 H — Driving on rough and/or muddy roads or in the desert
 I — Driving with frequent use of braking or in mountainous areas
 J — Frequent driving in water

Maintenance operation: Inspect = Inspect and correct or replace as necessary.

Driving condition										Maintenance item	Maintenance operation	Maintenance interval	Reference page
A	B	C	D	.	.	.	.	.	.	Engine oil & engine oil filter (2WD models)	Replace	Every 10,000 km (6,000 miles) or 6 months	MA section*1
A	B	C	D	.	.	.	.	.	.	Engine oil & engine oil filter (4WD models)	Replace	Every 7,500 km (4,500 miles) or 6 months	MA section*1
A	.	.	.	E	.	.	.	.	.	Fuel filter	Replace	Every 20,000 km (12,000 miles) or 12 months	MA section*1
.	.	.	.	.	F	.	.	.	.	Brake fluid	Replace	Every 20,000 km (12,000 miles) or 12 months	MA section*2
.	.	.	.	.	.	G	H	.	.	Steering gear & linkage, axle & suspension parts, propeller shaft, & drive shafts	Inspect	Every 5,000 km (3,000 miles) or 3 months	MA section*2
.	.	.	.	.	.	G	H	.	J	Propeller shaft grease (4WD models)	Lubricate	Every 10,000 km (6,000 miles) or 6 months	PD section*2
A	.	C	.	.	.	G	H	I	.	Brake pads, rotors & other brake components	Inspect	Every 5,000 km (3,000 miles) or 3 months	MA section*2
A	.	C	.	.	.	G	H	I	.	Brake linings, drums & other brake components	Inspect	Every 10,000 km (6,000 miles) or 6 months	MA section*2
.	.	.	.	.	.	.	.	.	J	Front wheel bearing grease (4WD models)	Inspect	Every 5,000 km (3,000 miles) or 3 months	FA section*2
.	.	.	.	.	.	.	.	.	J	Free-running hub grease	Inspect	Every 5,000 km (3,000 miles) or 3 months	FA section*2
.	.	.	.	.	.	G	.	.	.	Locks, hinges & hood latch	Lubricate	Every 10,000 km (6,000 miles) or 6 months	MA section*2

• *1: Refer to SM1E-D22FG1.

• *2: Refer to SM7E-0D22G1.

Maintenance for off-road driving (4X4 only)

Whenever you drive off-road through sand, mud or water as deep as the wheel hub, more frequent maintenance may be required of the following items:

- Brake pads and rotors
- Brake lining and drums
- Brake lines and hoses
- Wheel bearing grease
- Free-running hub grease
- Differential gear oil, transfer fluid and manual transmission gear oil
- Steering linkage
- Propeller shaft and front drive shafts
- Air cleaner filter
- Clutch housing (Check water entry)

RECOMMENDED FLUIDS AND LUBRICANTS

< SERVICE INFORMATION >

RECOMMENDED FLUIDS AND LUBRICANTS

Fluids and Lubricants

INFOID:000000003809534

				Capacity (Approximate)		Recommended Fluids/Lubricants
				Liter	Imp measure	
Engine oil (Refill)	KA24DE	2WD	With oil filter	3.6	3-1/8 qt	• For Europe Genuine NISSAN engine oil* ¹ API grade SL or SM* ¹ ILSAC grade GF-3 or GF-4* ¹ ACEA A1/B1, A3/B3, A4/B4, A5/B5, C2 or C3* ¹ • Except for Europe Genuine NISSAN engine oil* ¹ API grade SE, SF, SG, SH, SJ, SL or SM* ¹ ILSAC grade GF-1, GF-2, GF-3, GF-4 or SG+* ¹
			Without oil filter	3.3	2-7/8 qt	
		4WD	With oil filter	4.1	3-5/8 qt	
			Without oil filter	3.8	3-3/8 qt	
	YD25DDTi	2WD	With oil filter	5.6	4-7/8 qt	• For Europe YD without common rail: Genuine NISSAN engine oil* ¹ API CF-4* ¹ , * ² ACEA B1* ¹ Global DHD-1* ¹ YD with common rail: Genuine NISSAN engine oil* ¹ API CF-4* ¹ , * ² ACEA B1, B3, B4 or B5* ¹ • Except for Europe TD, QD and YD without common rail: Genuine NISSAN engine oil* ¹ API CD, CE, CF or CF-4* ¹ , * ² JASO DH-1* ¹ Global DHD-1* ¹ ZD: Genuine NISSAN engine oil* ¹ API CE, CF or CF-4* ¹ , * ² JASO DH-1* ¹ Global DHD-1* ¹ YD with common rail: Genuine NISSAN engine oil* ¹ API CF-4* ¹ , * ² JASO DH-1* ¹ ACEA B1, B3, B4 or B5* ¹
			Without oil filter	5.3	4-5/8 qt	
		4WD	With oil filter	4.3	3-3/4 qt	
			Without oil filter	4.0	3-1/2 qt	
	ZD30DDT	With oil filter		6.7	5-7/8 qt	
		Without oil filter		6.2	5-1/2 qt	
	TD27	With oil filter		6.0	5-1/4 qt	
		Without oil filter		5.3	4-5/8 qt	
	QD32	2WD	With oil filter	7.2	6-3/8 qt	
			Without oil filter	6.5	5-3/4 qt	
		4WD	With oil filter	6.9	6-1/8 qt	
			Without oil filter	6.2	5-1/2 qt	
Cooling system (With res- ervoir)	KA24DE			7.7	6-3/4 qt	Genuine NISSAN Engine Coolant or equivalent in its quality* ³
	TD27	With heater		10.3	9-1/8 qt	
		Without heater		10.2	9 qt	
		With A/C		11.0	9-5/8 qt	
	YD25DDTi			9.4	8-1/4 qt	
	ZD30DDT			11.8	10-3/8 qt	
	QD32			11.1	9-3/4 qt	
Manual transmis- sion gear oil	FS5R30A	2WD		3.04	5-3/8 pt	Genuine NISSAN Manual Transmission Fluid (MTF) HQ Multi 75W-85 or API GL-4, Viscosity SAE 75W-85
		4WD		5.1	9 pt	

*1: For further details, see "SAE Viscosity Number".

*2: Never use API CG-4.

RECOMMENDED FLUIDS AND LUBRICANTS

< SERVICE INFORMATION >

*3: Use Genuine NISSAN Engine Coolant or equivalent in its quality, in order to avoid possible aluminum corrosion within the engine cooling system caused by the use of non-genuine engine coolant.

Note that any repairs for the incidents within the engine cooling system while using non-genuine engine coolant may not be covered by the warranty even if such incidents occurred during the warranty period.

- A
- B
- C
- D
- E
- F
- G
- H
- I
- J
- K
- MA
- M
- N
- O
- P