

## ENGINE AND EMISSION CONTROL MAINTENANCE

Abbreviations: I = Inspect and correct or replace as necessary, R = Replace, E = Check and correct the engine coolant maintenance based on mileage only.

MAINTENANCE OPERATION	km x 1,000 (Miles x 1,000) Months	MAINTENANCE INTERVAL							
		10 (6)	20 (12)	30 (18)	40 (24)	50 (30)	60 (36)	70 (42)	80 (48)
<b>Underhood and under vehicle</b>									
Intake & exhaust valve clearance	See NOTE (1)								
Drive belts (For HR16DE & MR16DDT engine)	See NOTE (2)				I				I
Engine oil (Use recommended oil.) ★		R	R	R	R	R	R	R	R
Engine oil filter (Use genuine NISSAN engine oil filter or equivalent) ★		R	R	R	R	R	R	R	R
Engine coolant	See NOTE (3)				E				E
Cooling system			I		I		I		I
Fuel lines					I				I
Air cleaner filter ★				R			R		
Fuel system (For MR16DDT engine)	See NOTE (5)								
Spark plugs (Iridium-tipped type) (For MR16DDT engine)	See NOTE (6)		[1]		[1]		[1]		[1]
		Replace every 100,000 km (60,000 miles)							
EVAP vapor lines (With carbon canister)					I				I

### 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 or if the auto belt tensioner reading reaches the maximum limit. (If auto belt tensioner is equipped)
- (3) Use Genuine NISSAN Engine Coolant (blue) 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. Check and correct the engine coolant mixture ratio every 40,000 km (24,000 miles) or 24 months. First replacement interval is 160,000 km (96,000 miles) or 96 months. After first replacement, replace every 80,000 km (48,000 miles) 48 months.
- (4) Maintenance-free item.
- (5) Maintain every 20,000 km (12,000 miles) with using Genuine NISSAN Fuel System Cleaner.
- (6) Confirm the history of spark plug diagnosis code with CONSULT at NISSAN dealer every 20,000 km (12,000 miles), then inspect or replace spark plugs if necessary. Refer to [DTC Index](#).

## CHASSIS AND BODY MAINTENANCE

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

MAINTENANCE OPERATION	MAINTENANCE INTERVAL								
	km x 1,000 (Miles x 1,000) Mcmts	10 (6)	20 (12)	30 (18)	40 (24)	50 (30)	60 (36)	70 (42)	80 (48)
<b>Underhood and under vehicle</b>									
Brake & clutch fluid (For level & leaks)		I	I	I	I	I	I	I	I
Brake fluid★			R		R		R		R
Brake booster vacuum hoses, connections & check valve			I		I		I		I
Brake, clutch & exhaust systems		I	I	I	I	I	I	I	I
CVT fluid (For leaks) (For level & leaks)	See NOTE (1)	I	I	I	I	I	I	I	I
CVT fluid (For fluid level gauge less model)	See NOTE (1)		I		I		I		I
Manual transaxle gear oil (For level and leaks)		I	I	I	I	I	I	I	I
Steering gear & linkage, axle & suspension parts, & front drive shafts★			I		I		I		I
<b>Outside and inside</b>									
Wheel alignment (If necessary, rotate & balance wheels)		I	I	I	I	I	I	I	I
Brake pads, rotors & other brake components★		I	I	I	I	I	I	I	I
Locks, hinges & hood latch★		L★	L	L★	L	L★	L	L★	L
Seat belts, buckles, retractors, anchors & adjusters			I		I		I		I
Foot brake, parking brake & clutch (For free play, stroke & operation)		I★	I	I★	I	I★	I	I★	I
Air conditioner filter★			R		R		R		R

### NOTE:

Maintenance items with "★" should be performed more frequently according to "Maintenance Under Severe Driving Conditions".

(1) Use only Genuine NISSAN CVT fluid. If towing a trailer, using a camper or a car-top carrier or driving on rough or muddy roads, inspect CVT fluid deterioration at NISSAN dealer every 100,000 km (60,000 miles), then change CVT fluid if necessary. And if the inspection is not performed, change (not just inspect) CVT fluid every 100,000 km (60,000 miles). Using transmission fluid other than Genuine NISSAN CVT Fluid will damage the CVT, which is not covered by the warranty.

## 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 items as shown in the table.

### Severe driving conditions

A — Driving under 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 areas

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

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

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

Driving condition	Maintenance item	Maintenance operation	Maintenance interval
A . . . . .	Air cleaner filter	Replace	More frequently
A B C D . . . . .	Engine oil (Except for MR16DDT engine for China)	Replace	Every 5,000 km (3,000 miles) or 3 months
. . . . .	Engine oil (For MR16DDT engine for China)	Replace	Every 3,500 km (2,100 miles) or 3 months
A B C D . . . . .	Engine oil filter (Except for MR16DDT engine for China)	Replace	Every 5,000 km (3,000 miles) or 3 months
. . . . .	Engine oil filter (For MR16DDT engine for China)	Replace	Every 3,500 km (2,100 miles) or 3 months
. . . . . F . . . . .	Brake fluid	Replace	Every 20,000 km (12,000 miles) or 12 months
. . . . . G H . . . . .	Steering gear & linkage, axle & suspension parts, front drive shafts	Inspect	Every 10,000 km (6,000 miles) or 6 months
A . C . . . G H I . . . . .	Brake pads, rotors & other brake components	Inspect	Every 5,000 km (3,000 miles) or 3 months
A . C . . . G H I . . . . .	Brake linings, drums & other brake components	Inspect	Every 10,000 km (6,000 miles) or 6 months
. . . . . G . . . . .	Locks, hinges & hood latch	Lubricate	Except for Australia: Every 5,000 km (3,000 miles) or 3 months For Australia: Every 10,000 km (6,000 miles) or 6 months
A . . . . .	Air conditioner filter	Replace	Every 10,000 km (6,000 miles) or 6 months