

## GENERAL MAINTENANCE

< ON-VEHICLE MAINTENANCE >

### ON-VEHICLE MAINTENANCE

#### GENERAL MAINTENANCE

##### General Maintenance

INFOID:000000004321841

General maintenance includes those items which should be checked during the normal day-to-day operation of the vehicle. They are essential if the vehicle is to continue operating properly. The owners can perform the checks and inspections themselves or they can have their NISSAN dealers do them for a nominal charge.

##### OUTSIDE THE VEHICLE

The maintenance items listed here should be performed from time to time, unless otherwise specified.

Item		Reference page
<b>Tires</b>	Check the pressure with a gauge often and always prior to long distance trips. Adjust the pressure in all tires, including the spare, to the pressure specified. Check carefully for damage, cuts or excessive wear.	<a href="#">WT-5</a>
<b>Windshield wiper blades</b>	Check for cracks or wear if not functioning correctly.	—
<b>Doors and engine hood</b>	Check that all doors and the engine hood operate smoothly as well as the back door, trunk lid and glass hatch. Also make sure that all latches lock securely. Lubricate if necessary. Make sure that the secondary latch keeps the hood from opening when the primary latch is released. When driving in areas using road salt or other corrosive materials, check for lubrication frequently.	<a href="#">MA-31</a>
<b>Tire rotation</b>	Tires should be rotated every 5,000 km (3,000 miles).	<a href="#">MA-24</a>

##### INSIDE THE VEHICLE

The maintenance items listed here should be checked on a regular basis, such as when performing periodic maintenance, cleaning the vehicle, etc.

Item		Reference page
<b>Lamps</b>	Make sure that the headlamps, stop lamps, tail lamps, turn signal lamps, and other lamps are all operating properly and installed securely. Also check headlamp aim.	—
<b>Warning lamps and chimes</b>	Make sure that all warning lamps and chimes are operating properly.	—
<b>Steering wheel</b>	Check that it has the specified play. Check for changes in the steering conditions, such as excessive free play, hard steering or strange noises. <b>Free play: Less than 35 mm (1.38 in)</b>	—
<b>Seat belts</b>	Check that all parts of the seat belt system (e.g. buckles, anchors, adjusters and retractors) operate properly and smoothly, and are installed securely. Check the belt webbing for cuts, fraying, wear or damage.	<a href="#">MA-31</a>

##### UNDER THE HOOD AND VEHICLE

The maintenance items listed here should be checked periodically e.g. each time you check the engine oil or refuel.

Item		Reference page
<b>Windshield washer fluid</b>	Check that there is adequate fluid in the tank.	—
<b>Engine coolant level</b>	Check the coolant level when the engine is cold.	<a href="#">MA-10</a>
<b>Engine oil level</b>	Check the level after parking the vehicle (on a level ground) and turning off the engine.	<a href="#">LU-7</a>
<b>Brake fluid level</b>	Make sure that the brake fluid level is between the "MAX" and "MIN" lines on the reservoir.	<a href="#">MA-26</a>
<b>Battery</b>	Check the fluid level in each cell. It should be between the "MAX" and "MIN" lines.	—

# PERIODIC MAINTENANCE

< ON-VEHICLE MAINTENANCE >

## PERIODIC MAINTENANCE

### Periodic Maintenance

INFOID:000000004321845

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

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

MAINTENANCE OPERATION		MAINTENANCE INTERVAL								Reference page
Perform either at number of kilometers (miles) or months, 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	
<b>Underhood and under vehicle</b>										
Intake & exhaust valve clearance	See NOTE (1)									<a href="#">EM-18</a>
Drive belt	See NOTE (2)				I				I	<a href="#">MA-10</a>
Engine oil (Use recommended oil.)★		R	R	R	R	R	R	R	R	<a href="#">MA-15</a>
Engine oil filter (Use genuine NISSAN engine oil filter or equivalent.)★		R	R	R	R	R	R	R	R	<a href="#">MA-16</a>
Engine coolant (Use Genuine NISSAN Engine Coolant or equivalent in its quality.)	See NOTE (3)					E			R	<a href="#">MA-11</a>
Cooling system			I		I		I		I	<a href="#">MA-10</a> , <a href="#">MA-14</a> , <a href="#">MA-14</a>
Fuel lines					I				I	<a href="#">MA-15</a>
Air cleaner filter (Viscous paper type)★					R				R	<a href="#">MA-15</a>
Air cleaner filter (Dry paper type)		Clean every 5,000 km (3,000 miles)								<a href="#">MA-15</a>
					R				R	
Positive crankcase ventilation (PCV) system					I				I	<a href="#">MA-18</a>
Fuel filter (In-tank type)	See NOTE (4)									—
Spark plugs (Iridium-tipped type)	See NOTE (5)	Replace every 100,000 km (60,000 miles)								<a href="#">MA-17</a>
EVAP vapor lines (With carbon canister)					I				I	<a href="#">MA-19</a>

**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 belt if found damaged or if the auto belt tensioner reading reaches the maximum limit.
- (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. After first replacement, replace every 40,000 km (24,000 miles) or 24 months.
- (4) Maintenance-free item. For service procedures, refer to FL section.
- (5) Replace spark plug when the spark plug gap exceeds 1.4 mm (0.055 in) even if within specified periodic replacement mileage.

### CHASSIS AND BODY MAINTENANCE

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

## PERIODIC MAINTENANCE

### < ON-VEHICLE MAINTENANCE >

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

MAINTENANCE OPERATION		MAINTENANCE INTERVAL								Reference page
		km x 1,000 (Miles x 1,000) Months	10 (6)	20 (12)	30 (18)	40 (24)	50 (30)	60 (36)	70 (42)	
<b>Underhood and under vehicle</b>										
Brake fluid (For level & leaks)		I	I	I	I	I	I	I	I	<a href="#">MA-26</a>
Brake fluid★					R				R	<a href="#">MA-27</a>
Brake booster vacuum hoses, connections & check valve					I				I	<a href="#">BR-13,</a> <a href="#">BR-55</a>
Power steering fluid & lines (For level & leaks)		I	I	I	I	I	I	I	I	<a href="#">MA-29</a>
Brake & exhaust system		I	I	I	I	I	I	I	I	<a href="#">MA-26,</a> <a href="#">MA-20</a>
CVT fluid (For level & leaks)	See NOTE (1)		I		I		I		I	<a href="#">MA-20</a>
Transfer oil (For level & leaks)		I	I	I	I	I	I	I	I	<a href="#">MA-22</a>
Differential gear oil (For level & leaks)★		I	I	I	I	I	I	I	I	<a href="#">MA-23</a>
Steering gear & linkage, axle & suspension parts, propeller shaft, & drive shafts★			I		I		I		I	<a href="#">MA-29,</a> <a href="#">MA-30,</a> <a href="#">MA-23,</a> <a href="#">MA-30</a>
<b>Outside and inside</b>										
Wheel alignment (If necessary, rotate & balance wheels)			I		I		I		I	<a href="#">MA-24,</a> <a href="#">FSU-7,</a> <a href="#">RSU-5</a>
Brake pads, rotors & other brake components★		I	I	I	I	I	I	I	I	<a href="#">MA-27,</a> <a href="#">BR-14,</a> <a href="#">BR-16,</a> <a href="#">BR-56,</a> <a href="#">BR-58</a>
Locks, hinges & hood latch★		L*	L	L*	L	L*	L	L*	L	<a href="#">MA-31</a>
Seat belts, buckles, retractors, anchors & adjusters			I		I		I		I	<a href="#">MA-31</a>
Foot brake & parking brake (For free play, stroke & operation)		I*	I	I*	I	I*	I	I*	I	<a href="#">BR-7,</a> <a href="#">BR-49,</a> <a href="#">PB-2</a>
Air conditioner filter★			R		R		R		R	<a href="#">VTL-9</a>

#### NOTE:

- Maintenance items with “★” should be performed more frequently according to “Maintenance Under Severe Driving Conditions”.
- (1) If towing a trailer, using a camper or a car-top carrier, or driving on rough or muddy roads, inspect CVT fluid deterioration with CONSULT-III every 100,000 km (60,000 miles), then change CVT fluid NS-2 if necessary. (Refer to [TM-41, "CONSULT-III Function \(TRANSMISSION\)"](#).) And if CONSULT-III is not available, change (not just inspect) CVT fluid NS-2 every 100,000 km (60,000 miles). **Using transmission fluid other than Genuine NISSAN CVT Fluid NS-2 will damage the CVT, which is not covered by the warranty.**

\*: Except for Australia

#### 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

## PERIODIC MAINTENANCE

### < ON-VEHICLE MAINTENANCE >

- 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 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

Driving condition										Maintenance item		Maintenance operation	Maintenance interval	Reference page
A	.	.	.	.	.	.	.	.	.	Air cleaner filter	Viscous paper type	Replace	More frequently	<a href="#">MA-15</a>
A	B	C	D	.	.	.	.	.	.	Engine oil & engine oil filter		Replace	Every 5,000 km (3,000 miles) or 3 months	<a href="#">MA-15</a> , <a href="#">MA-16</a>
.	.	.	.	.	F	.	.	.	.	Brake fluid		Replace	Every 20,000 km (12,000 miles) or 12 months	<a href="#">MA-27</a>
.	.	C	.	.	.	.	H	.	.	Differential gear oil		Replace	Every 40,000 km (24,000 miles) or 24 months	<a href="#">MA-23</a>
.	.	.	.	.	.	G	H	.	.	Steering gear & linkage, axle & suspension parts, propeller shaft, & drive shafts		Inspect	Every 10,000 km (6,000 miles) or 6 months	<a href="#">MA-29</a> , <a href="#">MA-30</a> , <a href="#">MA-23</a> , <a href="#">MA-30</a>
A	.	C	.	.	.	G	H	I	.	Brake pads, rotors & other brake components		Inspect	Every 5,000 km (3,000 miles) or 3 months	<a href="#">MA-27</a> , <a href="#">BR-14</a> , <a href="#">BR-16</a> , <a href="#">BR-56</a> , <a href="#">BR-58</a>
.	.	.	.	.	.	G	.	.	.	Locks, hinges & hood latch		Lubricate	Every 5,000 km (3,000 miles) or 3 months except for Australia	<a href="#">MA-31</a>
													Every 10,000 km (6,000 miles) or 6 months for Australia	
A	.	.	.	.	.	.	.	.	.	Air conditioner filter		Replace	More frequently	<a href="#">VTL-9</a>

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

MA