

# PERIODIC MAINTENANCE

## ENGINE AND EMISSION CONTROL MAINTENANCE (R9M DIESEL ENGINE for NEW ZEALAND)

Abbreviations: I = Inspect: correct or replace if necessary, R = Replace, [ ] = At the specified mileage only

MAINTENANCE OPERATION		MAINTENANCE INTERVAL							
		10	20	30	40	50	60	70	80
Perform at a kilometer (mile) or month interval, whichever comes first.	km x 1,000 (Miles x 1,000)	(6)	(12)	(18)	(24)	(30)	(36)	(42)	(48)
	Months	6	12	18	24	30	36	42	48
<b>Engine compartment and under vehicle</b>									
Timing chain	See NOTE (1)								
Drive belt ★	See NOTE (2)		I		I		I		I
Crankshaft pulley ★	See NOTE (3)		I		I		I		I
Engine oil (Use recommended oil) ★	See NOTE (4)		R		R		R		R
Engine oil filter (Use recommended oil filter) ★	See NOTE (4)		R		R		R		R
Cooling system			I		I		I		I
Engine coolant (Use genuine NISSAN Engine Coolant or equivalent in its quality)	See NOTE (5)								
Air cleaner filter ★					R				R
Intake & exhaust valve clearance	See NOTE (6)								
Fuel lines					I				I
Fuel filter ★	See NOTE (7)	D	D	D	D	D	D	D	D
			[R]		[R]		[R]		[R]
Maintenance items with “★” should be performed more frequently according to “Maintenance Under Severe Driving Conditions”.									
<b>NOTE:</b>									
· (1) Every replace at 300,000 km (180,000 miles)/120 months.									
· (2) Replace every 160,000 km (96,000 miles)/72 months									
· (3) Replace every 160,000 km (96,000miles) / 240 months									
· (4) If the oil replacement indicator is displayed, change the engine oil and filter as soon as possible. After replacing the engine oil, reset the display.									
· (5) 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 40,000km (24,000miles) or 24 months. First replacement interval is 160,000 km (96,000 miles) or 96 months. After first replacement, replace every 80,000 km (48,000miles) or 48 months.									
· (6) If valve noise increases, check valve clearance.									
· (7) Drain water when water level sensor lamp turns on in combination meter.									

## CHASSIS AND BODY MAINTENANCE (R9M DIESEL ENGINE for GOM)

Abbreviations: I = Inspect: correct or replace if necessary, R = Replace, [ ] = At the specified mileage only

MAINTENANCE OPERATION		MAINTENANCE INTERVAL							
		10	20	30	40	50	60	70	80
Perform at kilometers (miles) interval or months interval, whichever comes first.		(6)	(12)	(18)	(24)	(30)	(36)	(42)	(48)
km x 1,000 (Miles x 1,000) Months		6	12	18	24	30	36	42	48
<b>Underhood and under vehicle</b>									
Brake & clutch, systems and fluids (For level & leaks)		I	I	I	I	I	I	I	I
Brake & clutch, exhaust systems		I	I	I	I	I	I	I	I
Brake fluid ★					R				R
Brake booster vacuum hoses, connections & check valve					I				I
CVT fluid (For level & leaks)	See NOTE (1)		I		I		I		I
Steering gear & linkage, axle & suspension parts, propeller shaft & drive shafts ★			I		I		I		I
Wheel alignment (If necessary, rotate & balance wheels)			I		I		I		I
Brake pads, rotors & other brake components ★		I	I	I	I	I	I	I	I
Lock, hinges & hood latch ★		L	L	L	L	L	L	L	L
Seat belts, buckles, retractors, anchors & adjuster			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
<b>Maintenance items with "★" should be performed more frequently according to "Maintenance Under Severe Driving Conditions".</b>									
<b>NOTE:</b>									
<p>(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 dealers 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. Refer to owner's manual for more information regarding correct fluids.</p>									

## MAINTENANCE UNDER SEVERE DRIVING CONDITIONS (R9M DIESEL ENGINE for NEW ZEALAND)

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 under dusty conditions
- B - Repeatedly driving 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 areas or in 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
- K - Sustained high speed driving
- L - Repeated short journeys, cold engine at low temperature
- M - Low speed driving (Average speed < 30 km/h)

**Operation : Inspect = Inspect and correct or replace as necessary.**

Driving Condition	Maintenance item	Maintenance operation	Maintenance interval
A . . . . . D . . . . . M	Air cleaner filter	Replace	More frequently
A   B   C   D   . . . . .	Engine oil & engine oil filter	Replace	Every 10,000 km (6,000 miles) or 6 months
. . . . . C   D   . . . . . M	Drive belt	Replace	Every 80,000 km (48,000 miles) or 36 months
. . . . . C   D   . . . . . M	Crankshaft pulley	Replace	Every 80,000 km (48,000 miles) or 120 months
A . . . . . C   D   . . . . . M	Fuel filter	Replace	Every 10,000 km (6,000 miles) or 12 months
. . . . . F   . . . . .	Brake fluid	Replace	Every 20,000 km (12,000 miles) or 12 months
. . . . . G   H   . . . . .	Steering gear & linkage, axle & suspension parts, propeller shaft & drive shafts	Inspect	Every 10,000 km (6,000 miles) or 6 months
A   . . . . . C   . . . . . G   H   . . . . .	Brake pads, rotors & other brake components	Inspect	Every 5,000 km (3,000 miles) or 3 months
. . . . . G   . . . . .	Lock, hinges & hood latch	Lubricate	Every 5,000 km (3,000 miles) or 3 months
A   . . . . .	Air conditioner filter	Replace	More frequently