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NISSAN PATROL 5.6ℓ V8 PETROL ENGINE PERIODIC MAINTENANCE

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

MAINTENANCE OPERATION		MAINTENANCE INTERVAL									
	km x 1,000 (miles x 1,000) Months	15 (9) 12	30 (18) 24	45 (27) 36	60 (36) 48	75 (45) 60	90 (54) 72	105 (63) 84	120 (72) 96	135 (81) 108	150 (90) 120
Perform at kilometers (miles) or months intervals, whichever comes first											
Intake & exhaust valve clearance	See NOTE (1)										
Drive belt(s)	See NOTE (2)	I	I	I	I	I	I	I	I	I	I
Engine oil (use recommended oil) ★		R	R	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	R	R
Engine coolant	See NOTE (3)										
Cooling system			I		I		I		I		I
Fuel lines			I		I		I		I		I
EVAP vapor lines			I		I		I		I		I
Air cleaner filter (dry paper type) ★		Clean every 5,000km (3,000 miles)									
			R		R		R		R		R
Fuel filter (in-tank type)	See NOTE (4)										
Spark plugs (iridium-tipped type)	See NOTE (5)				[R]				[R]		

Maintenance items with a ★ should be performed more frequently according to 'Maintenance under severe driving conditions'

NOTE:

- (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 tensioner reading reaches the maximum limit.
- (3) Use Genuine NISSAN Engine Coolant (Blue) or equivalent in its quality, in order to avoid possible aluminium corrosion within the engine cooling system caused by the use of non-genuine engine coolant. Check and correct the engine coolant mixture ratio every 30,000km (18,000 miles) or 24 months. First replacement interval is 150,000km (90,000 miles) or 96 months. After first replacement, replace every 75,000km (54,000 miles) or 48months.
- (4) Fuel filter is maintenance-free. For service procedures, refer to FL section.
- (5) Replace spark plug when the plug gap exceeds 1.25mm (0.049in) even if within specified periodic replacement mileage.



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CHASSIS AND BODY MAINTENANCE

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.

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

MAINTENANCE OPERATION		MAINTENANCE INTERVAL									
	km x 1,000 (miles x 1,000) Months	15 (9) 12	30 (18) 24	45 (27) 36	60 (36) 48	75 (45) 60	90 (54) 72	105 (63) 84	120 (72) 96	105 (63) 84	120 (72) 96
Perform at kilometers (miles) or months intervals, whichever comes first											
Brake systems and fluids (for level & leaks)		I	I	I	I	I	I	I	I	I	I
Brake fluid ★			R		R		R		R		R
Power steering fluid & lines (for level & leaks)		I	I	I	I	I	I	I	I	I	I
Automatic transmission fluid	See NOTE (1)										
Greasing point of propeller shaft ★	See NOTE (2)	L	L	L	L	L	L	L	L	L	L
Transfer fluid	See NOTE (3)		I		I		I		I		I
Differential gear oil (for level & leaks) ★			I		I		I		I		I
Steering gear & linkage, axle & suspension parts, propeller shaft & drive shafts ★			I		I		I		I		I
Body mountings		T	T	T	T	T	T	T	T	T	T
Exhaust system ★			I		I		I		I		I
Brake pads, rotors & other brake components ★		I	I	I	I	I	I	I	I	I	I
Foot brake, parking brake & clutch (for free play, stroke & operation)		I	I	I	I	I	I	I	I	I	I
Air conditioner filter ★			R		R		R		R		R
Body corrosion	See NOTE (4)										

Maintenance items with a ★ should be performed more frequently according to 'Maintenance under severe driving conditions'

NOTE:

- (1) Automatic transmission fluid is maintenance free.
- (2) The propeller shaft should be re-greased after being immersed in water.
- (3) When changing the transfer fluid, the controller needs to be reset.
- (4) Inspect once per year.



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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 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 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

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 & engine oil filter	Replace	Every 7,500km (4,500 miles) or 6 months
.	.	.	.	.	F	.	.	.	.	Brake fluid	Replace	Every 15,000km (9,000 miles) or 12 months
.	.	C	.	.	.	.	H	.	.	Differential gear oil	Replace	Every 30,000km (18,000 miles) or 24 months
.	.	.	.	.	.	G	H	.	.	Steering gear & linkage, axle & suspension parts, propeller shaft & drive shafts	Inspect	Every 15,000km (9,000 miles) or 12 months
.	.	.	.	.	.	G	H	.	.	Exhaust system	Inspect	Every 15,000km (9,000 miles) or 12 months
A	.	C	.	.	.	G	H	I	.	Brake pads, rotors & other brake components	Inspect	Every 7,500km (4,500 miles) or 6 months
A	.	.	.	.	.	.	.	.	.	Air conditioner filter	Replace	Every 15,000 km (9,000 miles) or 12 months
.	.	.	.	.	.	G	H	.	J	Greasing point of propeller shaft	Lubricate	Every 7,500km (4,500 miles) or 6 months

More frequently = Less than half the interval of that for normal driving conditions