



Innovation
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NISSAN PATROL PICKUP 3.0ℓ DIESEL

PERIODIC MAINTENANCE

The following tables show the normal maintenance schedule. Depending on 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, [] = At the specified mileage only

MAINTENANCE OPERATION		MAINTENANCE INTERVAL									
	km x 1 000 (mile x 1 000) Months	15 (9)	30 (18)	45 (27)	60 (36)	75 (45)	90 (54)	105 (63)	120 (72)	135 (81)	150 (90)
Perform at kilometers (miles) or months intervals, whichever comes first.											
Intake & exhaust valve clearance	See NOTE (1)										
Drive belts	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
Air cleaner filter (Viscous paper type)★			R		R		R		R		R
Fuel filter	See NOTE (4)	Check filter and drain water every 7 500km(4 500 miles)									
		[R]	[R]	[R]	[R]	[R]	[R]	[R]	[R]	[R]	[R]	[R]
Injection nozzles	See NOTE (5)										

Maintenance items with ★ 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 belt tensioner reading reaches the maximum limit.

(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 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 (45 000 miles) or 48 months.

(4) If the replacement indicator blinks, change both main fuel filter and pre-filter at the same time, as soon as possible.

(5) If engine power decreases, black exhaust smoke is emitted or engine noise increases, check injection nozzles and if necessary, replace injection nozzle assembly.



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Depending on 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.

CHASSIS AND BODY MAINTENANCE

Abbreviations: I = Inspect and Correct or replace if necessary, R = Replace, L = Lubricate, T =

MAINTENANCE OPERATION		MAINTENANCE INTERVAL									
Perform at kilometers (miles) or months intervals, whichever comes first.	km x 1 000	15	30	45	60	75	90	105	120	135	150
	(mile x 1 000)	(9)	(18)	(27)	(36)	(45)	(54)	(63)	(72)	(81)	(90)
	Months	12	24	36	48	60	72	84	96	108	120
Axle joint in knuckle flange			L		L		L		L		L
Brake, clutch & automatic transmission fluid (For level & leaks)		I	I	I	I	I	I	I	I	I	I
Brake fluid ★			R		R		R		R		R
Brake booster vacuum hoses, connections & check valve			I		I		I		I		I
Power steering fluid & lines (For level and leaks)		I	I	I	I	I	I	I	I	I	I
Brake & clutch system		I	I	I	I	I	I	I	I	I	I
Exhaust system			I		I		I		I		I
Manual transmission gear oil		I	I	I	I	I	R	I	I	I	I
Transfer fluid		I	I	I	R	I	I	I	R	I	I
Differential gear oil		I	R	I	R	I	R	I	R	I	R
Steering gear & linkage, axle & suspension parts, propeller shaft & front drive shafts ★			I		I		I		I		I
Propeller shaft grease ★	See Note (1)	L	L	L	L	L	L	L	L	L	L
Steering damper		I	I	I	I	I	I	I	I	I	I
Body mountings		T	T	T	T	T	T	T	T	T	T
Brake pads, rotors & other brake components ★		I	I	I	I	I	I	I	I	I	I
Brake linings, drums & 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
Front wheel bearing grease ★		I	R	I	R	I	R	I	R	I	R
Free running hub grease ★		I	I	I	I	I	I	I	I	I	I

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

NOTE:

(1) The propeller shaft should be re-greased after being immersed in water.



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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.

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

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	B	C	D	.	.	.	.	.	.	Engine oil & engine oil filter	Replace	Every 7 500km (4 500 miles) or 6 months
A	Air cleaner filter	Viscous paper type	Replace	More frequently
.	F	Brake fluid		Replace	Every 15 000km (9 000 miles) or 12 months
.	.	C	.	.	.	.	.	H	.	Automatic transaxle fluid	Replace	Every 30 000km (18 000 miles) or 24 months
.	.	.	.	.	.	G	H	.	.	Steering gear & linkage, axle & suspension parts, propeller shaft & front drive shafts	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	.	C	.	.	.	G	H	I	.	Brake linings, drums & other brake components	Inspect	Every 7 500km (4 500 miles) or 6 months	
.	.	.	.	.	.	G	H	.	J	Propeller shaft grease	Lubricate	Every 7 500km (4500 miles) or 6 months
.	.	.	.	.	.	.	.	.	J	Front wheel bearing grease	Inspect	Every 7 500km (4 500 miles) or 6 months
.	.	.	.	.	.	.	.	.	J	Free running hub grease	Inspect	Every 7 500km (4 500 miles) or 6 months

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