



NISSAN NAVARA

2.5ℓ Diesel Turbo

PERIODIC MAINTENANCE

ENGINE AND EMISSION CONTROL MAINTENANCE

Abbreviations: I = Inspect: correct or replace if necessary R = Replace E = Check and correct mixture D = Check filter and drain water

MAINTENANCE OPERATION		MAINTENANCE INTERVAL									
Perform either at number of kilometers (miles) or months whichever comes first.	km x 1,000	15	30	45	60	75	90	105	120	135	150
	(Miles x 1,000)	(9)	(18)	(27)	(36)	(45)	(54)	(63)	(72)	(81)	(90)
	Months	12	24	36	48	60	72	84	96	108	120
Engine compartment and under vehicle											
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) ★	See NOTE (3)	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 (4)		E		E		E		E		R
Cooling system			I		I		I		I		I
Fuel lines			I		I		I		I		I
Air cleaner filter ★		Clean every 5,000 km (3,000 miles)									
			R		R		R		R		R
Fuel filter ★	See NOTE (5)	D	R	D	R	D	R	D	R	D	R
Fuel injector	See NOTE (6)										

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) Never use API CG-4 grade oil.

(4) 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 (18,000miles) or 24 months.

First replacement interval is 150,000 km (90,000 miles) or 96 months. After first replacement, replace every 75,000 km (45,000miles) or 48 months.

(5) Drain water when water level sensor lamp lights on in combimeter

(6) If engine power decreases, black exhaust smoke is emitted or engine noise increases, perform this maintenance item.



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2.5ℓ Diesel Turbo

CHASSIS AND BODY MAINTENANCE

Abbreviations: I = Inspect: correct or replace if necessary R = Replace L = Lubricate T = Tighten

MAINTENANCE OPERATION		MAINTENANCE INTERVAL									
Perform either at number of kilometers (miles) or months whichever comes first.	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
Under hood and under vehicle											
Brake & clutch fluids (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 & exhaust system		I	I	I	I	I	I	I	I	I	I
Automatic transmission fluid (For level and leaks) ★		I	I	I	I	I	I	I	I	I	I
Manual transmission gear oil (For leaks)		I	I	I	I	I	R	I	I	I	I
Transfer fluid (For level & leaks)		I	I	I	R	I	I	I	R	I	I
Differential gear oil (For level & leaks) ★		I	I	I	R	I	I	I	R	I	I
Steering gear & linkage, axle & suspension parts, propeller shaft & drive shafts ★		I	I	I	I	I	I	I	I	I	I
Body mountings	See NOTE (1)	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
Air conditioner filter ★			R		R		R		R		R

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

NOTE:

(1) It is applicable, when the vehicle is in use of commercial vehicle.



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2.5ℓ Diesel Turbo

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.

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

Severe driving conditions

- A - Driving under dusty conditions
- B - Driving repeatedly short distances
- C - Towing a trailer or caravan
- D - Extensive idling or urban driving
- 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

Driving Condition													Maintenance item	Maintenance operation	Maintenance interval
A	B	C	D	.	.	.	.	.	.	.	.	.	Engine oil	Replace	Every 7,500 km (4,500 miles) or 6 months
A	B	C	D	.	.	.	.	.	.	.	.	.	Engine oil filter	Replace	Every 7,500 km (4,500 miles) or 6 months
A	.	.	.	.	.	.	.	.	.	.	.	.	Air cleaner filter	Replace	More frequently
A	.	.	.	E	.	.	.	.	.	.	.	.	Fuel filter	Replace	Every 15,000 km (9,000 miles) or 12 months
.	.	.	.	.	F	.	.	.	.	.	.	.	Brake fluid	Replace	Every 15,000 km (9,000 miles) or 12 months
.	.	C	.	.	.	H	.	.	.	.	.	.	Automatic transmission fluid	Replace	Every 30,000 km (18,000 miles) or 12 months
.	.	C	.	.	.	H	.	.	.	.	.	.	Differential gear oil	Replace	Every 30,000 km (18,000 miles) or 12 months
.	.	.	.	.	.	G	H	.	.	.	.	.	Steering gear & linkage, axle & suspension parts, propeller shaft, & drive shafts	Inspect	Every 7,500 km (4,500 miles) or 6 months
A	.	C	.	.	.	G	H	I	.	.	.	.	Brake pads, rotors & other brake components	Inspect	Every 7,500 km (4,500 miles) or 6 months
A	.	C	.	.	.	G	H	I	.	.	.	.	Brake linings, drums & other brake components	Inspect	Every 7,500 km (4,500 miles) or 6 months
A	.	.	.	.	.	.	.	.	.	.	.	.	Air conditioner filter	Replace	Every 15,000 km (9,000 miles) or 12 months

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



NISSAN NAVARA

2.5ℓ Petrol

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

MAINTENANCE OPERATION				MAINTENANCE INTERVAL									
			km x 1,000	15	30	45	60	75	90	105	120	135	150
Perform at a kilometer (mile) or month interval, whichever comes first.			(miles x 1,000)	(9)	(18)	(27)	(36)	(45)	(54)	(63)	(72)	(81)	(90)
			Months	12	24	36	48	60	72	84	96	108	120
Intake & exhaust valve clearance			See NOTE (1)										
Drive belt(s)			See NOTE(2)		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)		E		E		E		E		R
Cooling system					I		I		I		I		I
Fuel lines					I		I		I		I		I
EVAP vapor lines (With carbon canister)					I		I		I		I		I
Air cleaner filter (Dry paper type) ★				Clean every 5,000 km (3,000 miles)									
					R		R		R		R		R
Fuel filter (In-tank type)			See NOTE (4)										
Spark plugs (Iridium-tipped type)				Replace every 90,000 km (54,000 miles)									

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 (18,000miles) or 24 months.

First replacement interval is 150,000 km (90,000 miles) or 96 months. After first replacement, replace every 75,000 km (45,000miles) or 48 months.”

(4) Fuel filter is maintenance-free.



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2.5ℓ Petrol

CHASSIS AND BODY MAINTENANCE

Abbreviations: I = Inspect: correct or replace if necessary R = Replace L = Lubricate T = Tighten

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Perform either at number of kilometers (miles) or months whichever comes first.	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
Under hood and under vehicle											
Brake & clutch fluids (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 (For leaks)		I	I	I	I	I	R	I	I	I	I
Differential gear oil (For level & leaks) ★			I		R		I		R		I
Steering gear & linkage, axle & suspension parts ★			I		I		I		I		I
Body mountings	See NOTE (1)	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
Air conditioner filter ★			R		R		R		R		R

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

NOTE:

(1) It is applicable, when the vehicle is in use of commercial vehicle.



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

Severe driving conditions

- A - Driving under dusty conditions
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- I - Driving with frequent use of braking or in mountainous areas

Driving Condition												Maintenance item	Maintenance operation	Maintenance interval
A	B	C	D	.	.	.	.	.	.	.	.	Engine oil	Replace	Every 7,500 km (4,500 miles) or 6 months
A	B	C	D	.	.	.	.	.	.	.	.	Engine oil filter	Replace	Every 7,500 km (4,500 miles) or 6 months
A	.	.	.	.	.	.	.	.	.	.	.	Air cleaner filter	Replace	More frequently
.	.	.	.	.	F	.	.	.	.	.	.	Brake fluid	Replace	Every 15,000 km (9,000 miles) or 12 months
.	.	C	.	.	.	H	.	.	.	.	.	Differential gear oil	Replace	Every 30,000 km (18,000 miles) or 24 months
.	.	.	.	.	.	G	H	.	.	.	.	Steering gear & linkage, axle & suspension parts	Inspect	Every 15,000 km (9,000 miles) or 12 months
A	.	C	.	.	.	G	H	I	.	.	.	Brake pads, rotors & other brake components	Inspect	Every 7,500 km (4,500 miles) or 6 months
A	.	C	.	.	.	G	H	I	.	.	.	Brake linings, drums & other brake components	Inspect	Every 7,500 km (4,500 miles) or 6 months
A	.	.	.	.	.	.	.	.	.	.	.	Air conditioner filter	Replace	Every 15,000 km (9,000 miles) or 12 months

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