



**Innovation
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NISSAN X-TRAIL 1.6ℓ 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 shows on the tables requires similar maintenance.

ENGINE AND EMISSION CONTROL MAINTENANCE

Abbreviations: I = Inspect and correct or replace as necessary, R= Replace, D = Drain

MAINTENANCE OPERATION		MAINTENANCE INTERVAL									
Perform at kilometres (miles) or months intervals, whichever comes first.	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)
		12	24	36	48	60	72	84	96	108	120
Intake & exhaust valve clearance	See NOTE (1)										
Timing chain	See NOTE (2)										
Drive belts ★	See NOTE (3)	I	I	I	I	I	I	I	I	I	I
Crankshaft pulley ★	See NOTE (4)	I	I	I	I	I	I	I	I	I	I
Engine oil (Use recommended oil)	See NOTE (5)	R	R	R	R	R	R	R	R	R	R
Engine oil filter (Use Eco filter or equivalent) ★	See NOTE (5)	R	R	R	R	R	R	R	R	R	R
Engine coolant	See NOTE (6)										
Cooling system		I	I	I	I	I	I	I	I	I	I
Fuel lines	See NOTE (7)										
Air cleaner filter (Viscous paper type) ★		D	D	D	D	D	D	D	D	D	D
Fuel filter ★	See NOTE (8)		R		R		R		R		R

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

NOTE:

(1) Intake and exhaust valve clearance is maintenance-free item.

(2) For MT model: Replace every 300 000km (180 000 miles) / 120 months. For CVT model: Replace every 160 000km (96 000 miles) / 240 months.

(3) Replace every 160 000km (96 000 miles) / 72 months.

(4) Replace every 300 000km (180 000 miles)

(5) 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.

(6) 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 150 000 km (90 000 miles) or 96 months. After first replacement, replace every 75 000km (45 000 miles) or 48 months.

(7) Fuel lines are maintenance-free.

(8) Drain water when water level sensor lamp lights on in combimetre.



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

CHASSIS AND BODY MAINTENANCE

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

MAINTENANCE OPERATION				MAINTENANCE INTERVAL							
Perform at kilometres (miles) or month intervals, whichever comes first.	km x 1 000 (mile 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
Brake & clutch 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
Brake, clutch & exhaust system		I	I	I	I	I	I	I	I	I	I
Manual transaxle gear oil (For leaks)		I	I	I	I	I	I	I	I	I	I
Transfer oil (For level & leaks)		I	I	I	I	I	I	I	I	I	I
Differential gear oil (For level & leaks) ★		I	I	I	I	I	I	I	I	I	I
Steering gear & linkage, axle & suspension parts, propeller shaft & drive shafts ★		I	I	I	I	I	I	I	I	I	I
Wheel alignment (if necessary, rotate & balance wheels)		I	I	I	I	I	I	I	I	I	I
Brake pads, rotors & other brake components ★		I	I	I	I	I	I	I	I	I	I
Locks, hinges & hood latch ★		L	L	L	L	L	L	L	L	L	L
Seat belts, buckles, retractors, anchors & adjusters		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 ★	See NOTE (1)		R		R		R		R		R

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

NOTE:
(1) Even if it is before the replacement interval, if the amount of air conditioner or heater coming out of the vent is drastically low, or if the windows fog up easily, please replace the air-conditioner filter.



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MAINTENANCE UNDER SEVERE DRIVING CONDITIONS

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 shows on the tables requires similar maintenance.

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 mountain 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

Maintenance operation: Inspect = Inspect and correct or replace as necessary

Driving condition										Maintenance item	Maintenance operation	Maintenance interval
A	B	C	D	.	.	.	.	.	.	Air cleaner filter	Replace	More frequently
A	B	C	D	.	.	.	.	.	.	Drive belt	Replace	Every 80 000km (48 000 miles) or 36 months
A	B	C	D	.	.	.	.	.	.	Crankshaft pulley	Replace	Every 150 000km (90 000 miles)
A	B	C	D	.	.	.	.	.	.	Engine oil & engine oil filter	Replace	Every 7 500km (4 500 miles) or 6 months
A	.	C	.	.	.	.	.	H	.	Fuel filter	Replace	Every 15 000km (9 000 miles) or 12 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 7 500km (4 500 miles) or 6 months
A	.	C	.	.	.	G	H	I	.	Brake pads, rotors & other brake components	Inspect	Every 7 500km (4 500 miles) or 6 months
.	.	.	.	.	.	G	.	.	.	Lock, hinges & hood latch	Lubricate	Every 7 500km (4 500 miles) or 6 months
A	.	.	.	.	.	.	.	.	.	Air-conditioner filter	Replace	More frequently

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