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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) |
| 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-fee 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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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 | 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 |
| 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



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NISSAN X-TRAIL 2.0ℓ - 2.5ℓ PETROL

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

| 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) | 30 (18) | 45 (27) | 60 (36) | 75 (45) | 90 (54) | 105 (63) | 120 (72) | 135 (81) | 150 (90) |
| 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) | | | | | | | | | | |
| Cooling system | | I | I | I | I | I | 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 for MR and Viscous type for QR) ★ | | | R | | R | | R | | R | | R |
| Fuel filter (In-tank type) | See NOTE (4) | | | | | | | | | | |
| Spark plugs (Iridium-tipped type) | | Replace every 90 000km (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 (18 000 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) Fuel filter is maintenance-free.



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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.

CHASSIS AND BODY MAINTENANCE

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

| MAINTENANCE OPERATION | | | MAINTENANCE INTERVAL | | | | | | | | |
|------------------------------------------------------------------------------------|----------------------------------------|-----------------|----------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|--------------------|--------------------|
| | 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 |
| Perform at kilometres (miles) intervals or months interval, whichever comes first. | | | | | | | | | | | |
| Brake & clutch fluid (For level & 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 |
| Brake fluid ★ | | | R | | R | | R | | R | | R |
| Brake booster vacuum hoses, connections & check valve | | | I | | I | | I | | I | | I |
| CVT fluid (For level & leaks) | See NOTE (1) | 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 |
| Steering gear & linkage, axle & suspension parts, propeller shaft & drive shafts ★ | | I | I | I | I | I | I | I | I | I | I |
| Transfer oil (For level and leaks) | | I | I | I | I | I | I | I | I | I | I |
| Differential gear oil (For level and leaks) ★ | | 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 (2) | | R | | R | | R | | R | | R |

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

NOTE:

(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 90 000km (54 000 miles), then change CVT fluid if necessary. And if the inspection is not performed, change (not just inspect) CVT fluid every 90 000km (54 000 miles). Using transmission fluid other than Genuine NISSAN CVT Fluid will damage the CVT, which is not covered by the warranty.

(2) 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 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 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

Operation: Inspect = Inspect and 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 |
| . | . | . | . | . | . | G | H | . | Steering gear & linkage, axle & suspension parts, propeller shaft, & drive shafts | Inspect | Every 7 500km (4 500 miles) or 6 months |
| . | . | C | . | . | . | . | H | . | Differential gear oil | Replace | Every 30 000km (18 000 miles) or 24 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