

NP300 Navara 2015~

ENGINE AND EMISSION CONTROL MAINTENANCE (M9T/YS23 DIESEL ENGINE)

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

| MAINTENANCE OPERATION | | MAINTENANCE INTERVAL | | | | | | | |
|--|----------------|----------------------|------|------|------|------|------|------|------|
| Perform at kilometer (mile) interval or month interval, whichever comes first. | km x 1,000 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 |
| | (mile x 1,000) | (6) | (12) | (18) | (24) | (30) | (36) | (42) | (48) |
| | Months | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 |
| Engine compartment and under vehicle | | | | | | | | | |
| Intake & exhaust valve clearance | See NOTE (1) | | | | | | | | |
| Drive belts ★ | See NOTE (2) | | | | I | | | | I |
| Timing chain | See NOTE (3) | | | | | | | | |
| Engine oil (Use recommended oil) | See NOTE (4) | | R | | R | | R | | R |
| Engine oil filter (Use Genuine NISSAN engine oil filter or equivalent) | See NOTE (4) | | R | | R | | R | | R |
| Engine coolant | See NOTE (5) | | | | E | | | | E |
| Cooling system | | | I | | I | | I | | I |
| Fuel lines | | | | | I | | | | I |
| Air cleaner filter ★ | | | | | R | | | | R |
| Fuel filter ★ | See NOTE (6) | | D | | D | | D | | D |
| | | | | | | | R | | |

NOTE:

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

(1) Periodic maintenance is not required. However, if valve noise increases, check valve clearance.

(2) Replace every 240,000 km (144,000 miles) or 120 months.

(3) Replace every 300,000 km (180,000 miles)

(4) If the oil replacement indicator is displayed, change the engine oil & filter as soon as possible. After replace the engine oil, reset the display.

(5) 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 40,000km (24,000miles) or 24 months. First replacement interval is 160,000 km (96,000 miles) or 96 months. After first replacement, replace every 80,000 km (48,000miles) or 48 months.

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

CHASSIS AND BODY MAINTENANCE

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

| MAINTENANCE OPERATION | | MAINTENANCE INTERVAL | | | | | | | |
|---|-----------------|----------------------|------|------|------|------|------|------|------|
| Perform at kilometer (mile) interval or month interval, whichever comes first. | km x 1,000 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 |
| | (miles x 1,000) | (6) | (12) | (18) | (24) | (30) | (36) | (42) | (48) |
| | Months | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 |
| Underhood and under vehicle | | | | | | | | | |
| Brake & clutch fluid (For level and leaks) | | | I | | I | | I | | I |
| Brake fluid ★ | | | | | R | | | | R |
| Brake booster vacuum hoses, connections & check valve | | | | | I | | | | I |
| Power steering fluid & lines (For level and leaks) | | | I | | I | | I | | I |
| Brake, clutch & exhaust system | | | I | | I | | I | | I |
| Automatic transmission fluid (For level and leaks) ★ | | | I | | I | | I | | I |
| Manual transmission gear oil (For leaks) | | | I | | I | | I | | I |
| Transfer fluid (For level & leaks) | | | I | | I | | I | | I |
| Differential gear oil (For level & leaks) ★ | | | I | | I | | I | | I |
| Steering gear & linkage, axle & suspension parts, propeller shaft, & drive shafts ★ | | | I | | I | | I | | I |
| Body mountings | See NOTE (1) | | T | | T | | T | | T |
| Outside and inside | | | | | | | | | |
| Wheel alignment (If necessary, rotate & balance wheels) | | | I | | I | | I | | I |
| Brake pads, rotors & other brake components ★ | | | I | | I | | I | | I |
| Brake linings, drums & other brake components ★ | | | I | | I | | I | | I |
| Lock, hinges & hood latch ★ | | | L | | L | | L | | L |
| Seat belts, buckles, retractors, anchors & adjusters | | | I | | I | | I | | I |
| Foot brake, parking brake & clutch (For free play, stroke & operation) | | | I | | I | | I | | I |
| Air conditioner filter ★ | | | R | | R | | R | | R |

NOTE:

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

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

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 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 |
| K | — | Sustained high speed driving |
| L | — | Repeated short journeys, cold engine at low temperature |
| M | — | Low speed driving (Average speed < 30 km/h) |

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

| Driving condition | | | | | | | | | | | | | Maintenance item | Maintenance operation | Maintenance interval |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------------|---|
| . | . | C | D | . | . | . | . | . | . | . | . | M | Drive belt | Replace | Every 120,000km (72,000miles) or 60 months |
| A | . | . | . | . | . | . | . | . | . | . | . | . | Air cleaner filter | Replace | More frequently |
| A | . | . | . | E | . | . | . | . | . | . | . | . | Fuel filter | Replace | Every 30,000 km (18,000 miles) or 18 months |
| . | . | . | . | . | F | . | . | . | . | . | . | . | Brake fluid | Replace | Every 20,000 km (12,000 miles) or 12 months |
| . | . | C | . | . | . | . | H | . | . | . | . | . | Automatic transmission fluid | Replace | Every 40,000 km (24,000 miles) or 24 months |
| . | . | C | . | . | . | . | H | . | . | . | . | . | Differential gear oil | Replace | Every 40,000 km (24,000 miles) or 24 months |
| . | . | . | . | . | . | G | H | . | . | . | . | . | Steering gear & linkage, axle & suspension parts, | Inspect | Every 5,000 km (3,000 miles) or 3 months |
| A | . | C | . | . | . | G | H | I | . | . | . | . | Brake pads, rotors & other brake components | Inspect | Every 5,000 km (3,000 miles) or 3 months |
| A | . | C | . | . | . | G | H | I | . | . | . | . | Brake linings, drums & other brake components | Inspect | Every 10,000 km (6,000 miles) or 6 months |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------------------------|-----------|--|
| . | . | . | . | . | . | G | . | . | . | . | . | . | Lock, hinges & hood latch | Lubricate | Every 5,000 km (3,000 miles) or 3 months |
| A | . | . | . | . | . | . | . | . | . | . | . | . | Air conditioner filter | Replace | More frequently |
