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# NISSAN NAVARA H60A - D23

## 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 (M9T DIESEL ENGINE)

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

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 (54) 96
Perform at kilometers (miles) intervals or months interval, whichever comes first.									
Intake & exhaust valve clearance	See NOTE (1)								
Drive belts★	See NOTE (2)		I		I		I		I
Timing chain	See NOTE (3)								
Engine oil (Use recommended oil.)	See NOTE (4)	R	R	R	R	R	R	R	R
Engine oil filter (Use Genuine NISSAN engine oil filter or equivalent.)	See NOTE (4)	R	R	R	R	R	R	R	R
Engine coolant	See NOTE (5)		E		E		E		E
Cooling system		I	I	I	I	I	I	I	I
Fuel lines			I		I		I		I
Air cleaner filter (Dry paper type)★		Clean every 5,000 km (3,000 miles)							
			R		R		R		R
Fuel filter★	See NOTE (6)	D	D	D	D	D	D	D	D
				R			R		

**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 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 oil replacement, reset the display.
  - (5) Use Genuine NISSAN Engine Coolant (Blue) or equivalent in its quality, in order to avoid possible aluminium corrosion within the engine cooling system caused by the use of non-genuine engine coolant. Check and correct the engine coolant mixture ratio every 30,000 km (18,000 miles) or 24 months. First replacement interval is 150,000 km (90,000 miles) or 96 months. After first replacement, replace every 75,000 km (45,000 miles) or 48 months.
  - (6) Drain water when water level sensor lamp lights on in combimeter.



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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.**

## CHASSIS AND BODY MAINTENANCE

Abbreviations: I = Inspect and correct or replace as necessary, R = Replace, L = Lubricate, T = Tighten, [ ] = Perform maintenance based on mileage only

MAINTENANCE OPERATION		MAINTENANCE INTERVAL							
Perform at kilometers (miles) intervals or months interval, whichever comes first.	km x 1,000 (mile x 1,000)	15 (9)	30 (18)	45 (27)	60 (36)	75 (45)	90 (54)	105 (63)	120 (72)
	Months	12	24	36	48	60	72	84	96
Brake & clutch fluid (For level & leaks)		I	I	I	I	I	I	I	I
Brake fluid★			R		R		R		R
Power steering fluid & lines (For level & leaks)		I	I	I	I	I	I	I	I
Brake & clutch system		I	I	I	I	I	I	I	I
Exhaust system			I		I		I		I
Automatic transmission fluid (For level & leaks)★		I	I	I	I	I	I	I	I
Manual transmission gear oil (For leaks)		I	I	I	I	I	I	I	I
Transfer fluid (For level & leaks)		I	I	I	I	I	I	R	I
Differential gear oil (For level & leaks)★		I	I	I	I	I	I	I	R
Steering gear & linkage, axle & suspension parts, propeller shaft & drive shafts★		I	I	I	I	I	I	I	I
Body mountings	See NOTE (1)	T	T	T	T	T	T	T	T
Brake pads, rotors & other brake components★		I	I	I	I	I	I	I	I
Brake linings, drums & other brake components★		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
Air conditioner filter★		R	R	R	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 used as a commercial vehicle.



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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 operated under severe driving conditions.

**Periodic maintenance beyond the last period shown 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 mountains
- 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 120,000 km (72,000 miles) or 60 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 24 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, propeller shaft, & drive shafts	Replace	Every 7,500 km (4,500 miles) or 6 months
A	.	C	.	.	.	G	H	I	.	.	.	.	Brake pads, rotors & other brake components	Replace	Every 7,500 km (4,500 miles) or 6 months
A	.	C	.	.	.	G	H	I	.	.	.	.	Brake linings, drums & other brake components	Replace	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