

## 2014 D22T NAVARA

### ENGINE AND EMISSION CONTROL MAINTENANCE (YD25DDTi DIESEL ENGINE)

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

MAINTENANCE OPERATION		MAINTENANCE INTERVAL							
Perform at a kilometer (mile) or month inter- val, whichever comes first.	km x 1,000 (Miles x 1,000) Months	10 (6) 6	20 (12) 12	30 (18) 18	40 (24) 24	50 (30) 30	60 (36) 36	70 (42) 42	80 (48) 48
<b>UNDER THE HOOD AND UNDER THE VEHICLE</b>									
Intake & exhaust valve clearance	See NOTE (1)								
Drive belts	See NOTE (2)		I		I		I		I
Engine oil (Use recommended oil.)	See NOTE (3)	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
Engine coolant (Use Genuine NISSAN Engine Coolant or equivalent in its quality)	See NOTE (4)				I				I
Cooling system			I		I		I		I
Fuel lines					I				I
Air cleaner filter (Dry paper type)		Clean air cleaner filter every 5,000km (3,000 miles)							
					R				R
Fuel filter		D	D	D	R	D	D	D	R
Fuel injector	See NOTE (5)								

#### 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 the drive belts if found damaged.
- (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 40,000km or 24months. First replacement interval is 160,000 km or 96 months.

After first replacement, replace every 80,000km or 48months.

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

<b>BODY &amp; CHASSIS</b>									
<b>MAINTENANCE OPERATION</b>		<b>MAINTENANCE INTERVAL</b>							
Perform at a kilometer (mile) or month inter- val, whichever comes first.	km x 1,000 (Miles x 1,000) Months	10 (6) 6	20 (12) 12	30 (18) 18	40 (24) 24	50 (30) 30	60 (36) 36	70 (42) 42	80 (48) 48
Brake & clutch fluid (For level & leaks)		I	I	I	I	I	I	I	I
Brake fluid					R				R
Brake booster vacuum hoses, connections & check valve					I				I
<b>MAINTENANCE OPERATION</b>		<b>MAINTENANCE INTERVAL</b>							
Perform at a kilometer (mile) or month inter- val, whichever comes first.	km x 1,000 (Miles x 1,000) Months	10 (6) 6	20 (12) 12	30 (18) 18	40 (24) 24	50 (30) 30	60 (36) 36	70 (42) 42	80 (48) 48
Power steering fluid & lines (For level & leaks)			I		I		I		I
Brake, clutch & exhaust system		I	I	I	I	I	I	I	I
Manual transmission gear oil (For level & leaks)			I		I		I		I
Manual transmission gear oil		Replace every 100,000 km (60,000 miles)							
Transfer fluid (For level & leaks)		I	I	I	I	I	I	I	I
Differential gear oil (For level & leaks or re- place)		I	I	I	R	I	I	I	R
Limited-slip differential (LSD) gear oil (For level & leaks or replace)		I	I	I	R	I	I	I	R
Steering gear & linkage, axle & suspension parts, propeller shaft, & drive shafts		I	I	I	I	I	I	I	I

Propeller shaft grease (4WD models)	See NOTE (1)		L		L		L		L
Body mountings	See NOTE (2)		T		T		T		T
<b>Outside and inside</b>									
Wheel alignment (If necessary, rotate & balance wheels)			I		I		I		I
Brake pads, rotors & other brake components		I	I	I	I	I	I	I	I
Brake linings, drums & other brake components			I		I		I		I
Front wheel bearing grease (2WD models)					I				I
Front wheel bearing grease (4WD models)			I		R		I		R
Free-running hub grease			I		I		I		I
Locks, 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

**NOTE:**

- Maintenance items with “ ” should be performed more frequently according to “Maintenance Under Severe Driving Conditions”.
- **(1) The propeller shaft should be re-greased after being immersed in water.**
- **(2) It is applicable, when the vehicle is in commercial use.**

**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 in dusty conditions

B – Driving 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 or 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 driving in water

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

**Maintenance for off-road driving (4X4 only)**

Whenever you drive off-road through sand, mud or water as deep as the wheel hub, more frequent maintenance may be required of the following items:

- Brake pads and rotors
- Brake lining and drums
- Brake lines and hoses
- Wheel bearing grease
- Free-running hub grease
- Differential gear oil, transfer fluid and manual transmission gear oil
- Steering linkage
- Propeller shaft and front drive shafts
- Air cleaner filter
- Clutch housing (Check water entry)

Driving condition										Maintenance item	Maintenance operation	Maintenance interval
A	B	C	D	.	.	.	.	.	.	Engine oil & engine oil filter (2WD models)	Replace	Every 10,000 km (6,000 miles) or 6 months
A	B	C	D	.	.	.	.	.	.	Engine oil & engine oil filter (4WD models)	Replace	Every 7,500 km (4,500 miles) or 6 months
A	.	.	.	E	.	.	.	.	.	Fuel filter	Replace	Every 20,000 km (12,000 miles) or 12 months

.	.	.	.	.	F	.	.	.	.	Brake fluid	Replace	Every 20,000 km (12,000 miles) or 12 months
.	.	.	.	.	.	G	H	.	.	Steering gear & linkage, axle & suspension parts, propeller shaft, & drive shafts	Inspect	Every 5,000 km (3,000 miles) or 3 months
.	.	.	.	.	.	G	H	.	J	Propeller shaft grease (4WD models)	Lubricate	Every 10,000 km (6,000 miles) or 6 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
.	.	.	.	.	.	.	.	.	J	Front wheel bearing grease (4WD models)	Inspect	Every 5,000 km (3,000 miles) or 3 months
.	.	.	.	.	.	G	.	.	.	Locks, hinges & hood latch	Lubricate	Every 10,000 km (6,000 miles) or 6 months