

2004



NISSAN

TERRANO II model R20 series supplement



SERVICE MANUAL

SECTION **GI**

CONTENTS

PRECAUTIONS	2	IDENTIFICATION INFORMATION	18
Precautions for E.F.I. or E.C.C.S. Engine	3	Model Variation	18
Precautions for Catalyst	4	Identification Number	20
Precautions for Turbocharger	4	Dimensions	22
Precautions for Fuel	4	Wheel and Tires	22
Engine Oils	5	LIFTING POINTS AND TOW TRUCK TOWING	23
HOW TO USE THIS MANUAL	7	Garage Jack and Safety Stand	23
HOW TO READ WIRING DIAGRAMS	9	Screw Jack	23
HOW TO FOLLOW FLOW CHART IN		4-pole Lift	24
TROUBLE DIAGNOSES	12	Tow Truck Towing	24
CONSULT CHECKING SYSTEM	16	TIGHTENING TORQUE OF STANDARD BOLTS	26
Lithium Battery Replacement	16		
Function and System Application	17		
Checking Equipment	17		
<SUPPLEMENT-I>			
MODIFICATIONS	1002	IDENTIFICATION INFORMATION	1005
PRECAUTIONS	1003	Model Variation	1005
Precautions for NATS V2.0	1003	Wheel and Tires	1007
CONSULT CHECKING SYSTEM	1004	SAE J1930 TERMINOLOGY LIST	1008
Function and System Application	1004		
Lithium Battery Replacement	1004		
Checking Equipment	1004		
<SUPPLEMENT-II>			
MODIFICATIONS	2002		
PRECAUTIONS	2003		
Supplemental Restraint System (SRS) "AIR			
BAG"	2003		
Precautions for NATS V2.0 (For Diesel)	2003		

CONTENTS (Cont'd)

<SUPPLEMENT-III>

MODIFICATIONS	3002
CONSULT CHECKING SYSTEM	3003
Function and System Application	3003
Checking Equipment.....	3003

IDENTIFICATION INFORMATION	3004
Model Variation	3004
Identification Number	3006
Dimensions	3008
Wheel and Tires.....	3008

<SUPPLEMENT-IV> (For Africa and Gulf Countries)

MODIFICATIONS	4002
IDENTIFICATION INFORMATION	4003
Model Variation	4003
Identification Number	4004

Dimensions	4005
Wheel and Tires.....	4005

<SUPPLEMENT-V> (For Australia)

MODIFICATIONS	5002
PRECAUTIONS	5003
Precautions for Fuel	5003

IDENTIFICATION INFORMATION	5004
Model Variation	5004
Identification Number	5005

<SUPPLEMENT-VI> (For Europe and Australia)

MODIFICATIONS	6002
PRECAUTIONS	6003
Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER" (Dual Air Bag System)	6003

IDENTIFICATION INFORMATION	6004
Model Variation	6004
Identification Number	6006

<SUPPLEMENT-VII> (For Europe)

MODIFICATIONS	7002
IDENTIFICATION INFORMATION	7003
Model Variation	7003

LIFTING POINTS AND TOW TRUCK TOWING	7006
Tow Truck Towing	7006

<SUPPLEMENT-VIII> (For Africa and Gulf Countries)

MODIFICATIONS	8002
IDENTIFICATION INFORMATION	8003
Model Variation	8003

Identification Number	8005
Dimensions	8006
Wheel and Tires.....	8006

<SUPPLEMENT-IX> (For Europe, Africa and Gulf Countries)

MODIFICATIONS	9002
CONSULT CHECKING SYSTEM	9003
General	9003
Function and System Application	9003
Nickel Metal Hydride Battery Replacement.....	9003
Checking Equipment.....	9004

IDENTIFICATION INFORMATION	9005
Model Variation	9005
Identification Number	9007
Dimensions	9009
Wheel and Tires.....	9009

<SUPPLEMENT-X> (For Gulf Countries)

MODIFICATIONS	10002
Checking Equipment.....	10003

IDENTIFICATION INFORMATION	10004
Model Variation	10004

CONTENTS (Cont'd)

<SUPPLEMENT-XI> (For Europe)

MODIFICATIONS	11002
IDENTIFICATION INFORMATION	11003
Model Variation	11003

<SUPPLEMENT-XII> (For Africa, Gulf Countries and Central & South America)

MODIFICATIONS	12002	Identification Number	12004
IDENTIFICATION INFORMATION	12003	Dimensions	12005
Model Variation	12003		

<SUPPLEMENT-XIII> (For Africa, Gulf Countries and Russia)

MODIFICATIONS	13002	Model Variation	13003
IDENTIFICATION INFORMATION	13003	Identification Number	13004

GENERAL INFORMATION

SECTION	GI
----------------	-----------

GI

CONTENTS

MODIFICATIONS	13002	Model Variation	13003
IDENTIFICATION INFORMATION	13003	Identification Number	13004

MODIFICATIONS

OUTLINE OF MODIFICATIONS

Applied from:

- For Africa and Russia: VSK★B★R20★0550000
 - For Gulf Countries: VSKBR4★C★★A550000
- ★: Any of the possibilities. See Vehicle Identification Number arrangement.

Electrical

- Wiring diagrams have been changed.

Seat belts

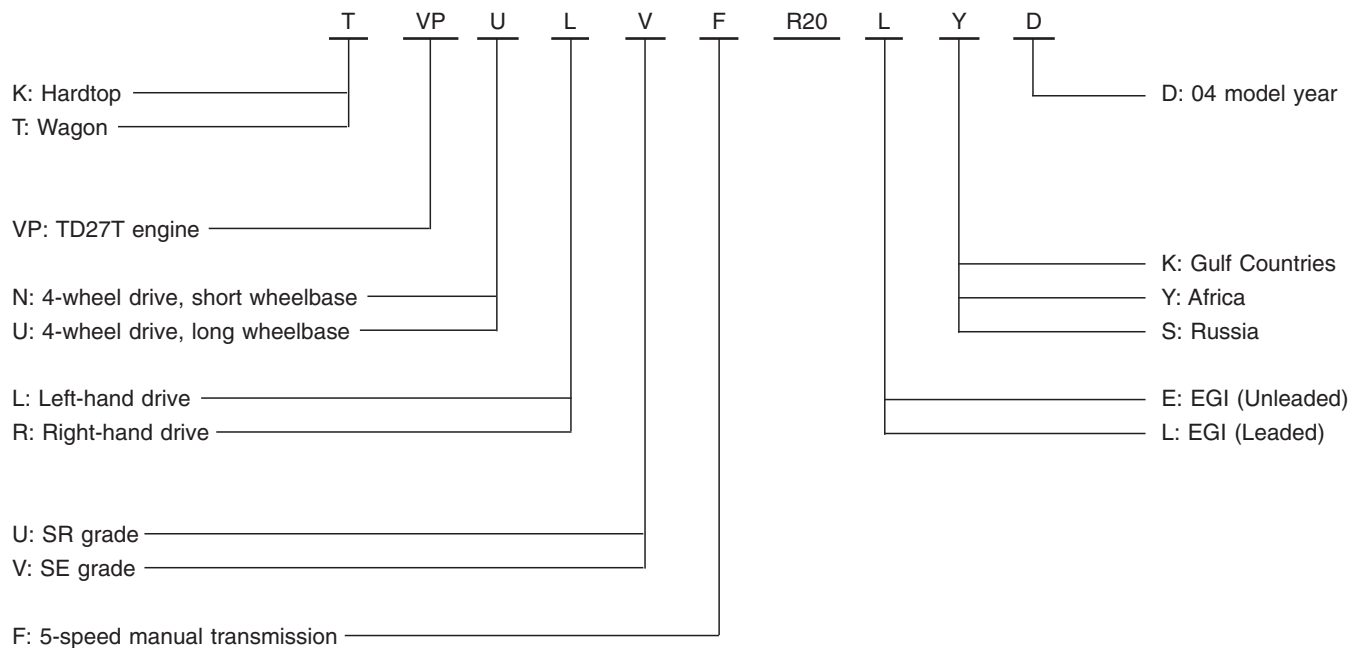
- The center seat belt on the 2nd seat has been changed from two-point type to three-point type.

IDENTIFICATION INFORMATION

Model Variation

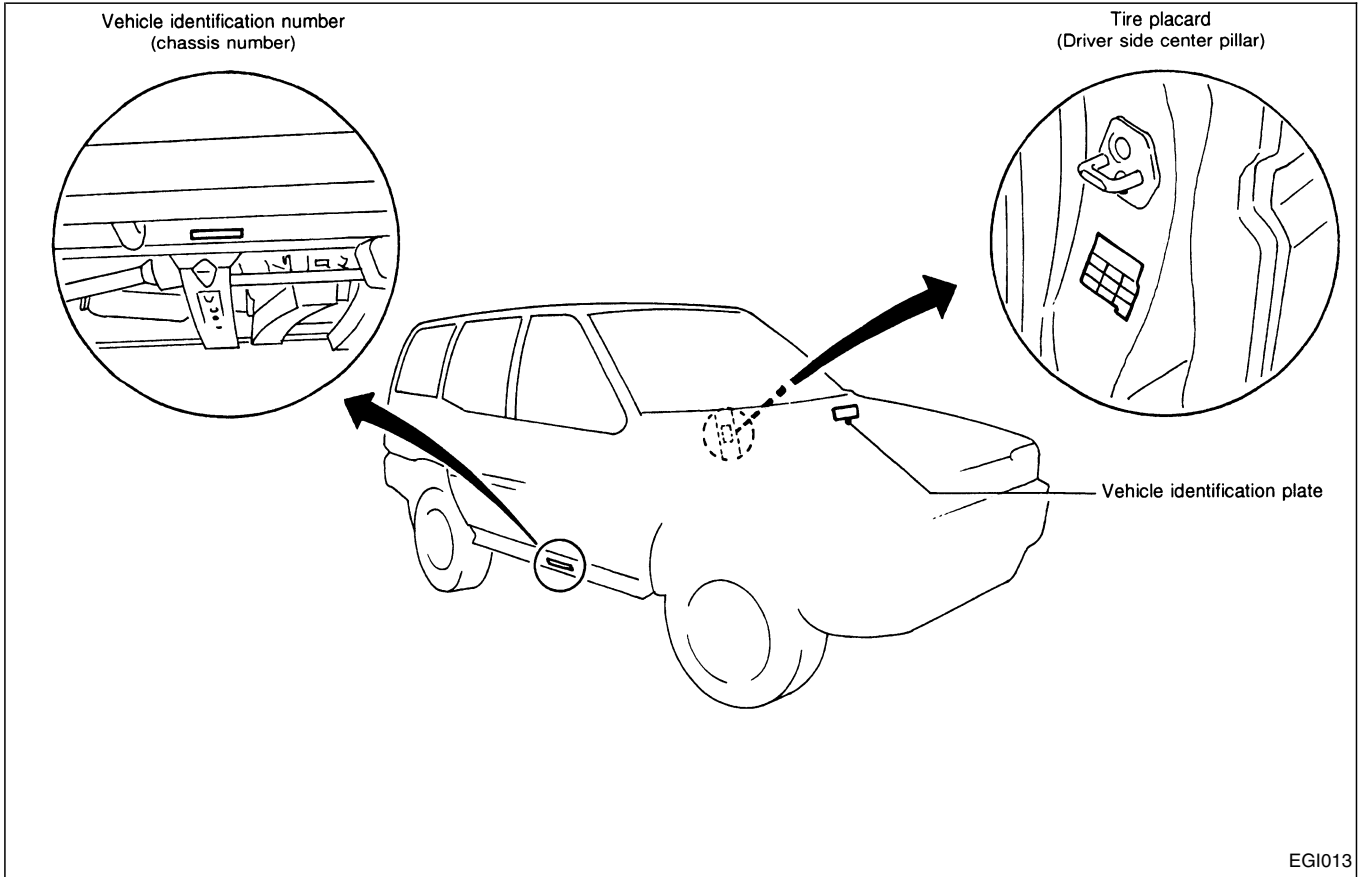
Body	Grade	Engine	Transmission	Africa (LHD)	Africa (RHD)	GCC	Russia
H/T	Luxury	KA24E	FS5W71C	—	—	KBFNLVF-EKD	—
	Sport	KA24E		—	—	KBFNLUF-EKD	—
Wagon	Luxury	KA24E	FS5W71C	TBFULVF-LYD	TBFURVF-LYD	TBFULVF-EKD	TBFULVF-ESD
	Sport	KA24E		TBFULUF-LYD	TBFURUF-LYD	TBFULUF-EKD	TBFULUF-ESD

Prefix and suffix designations:



IDENTIFICATION INFORMATION

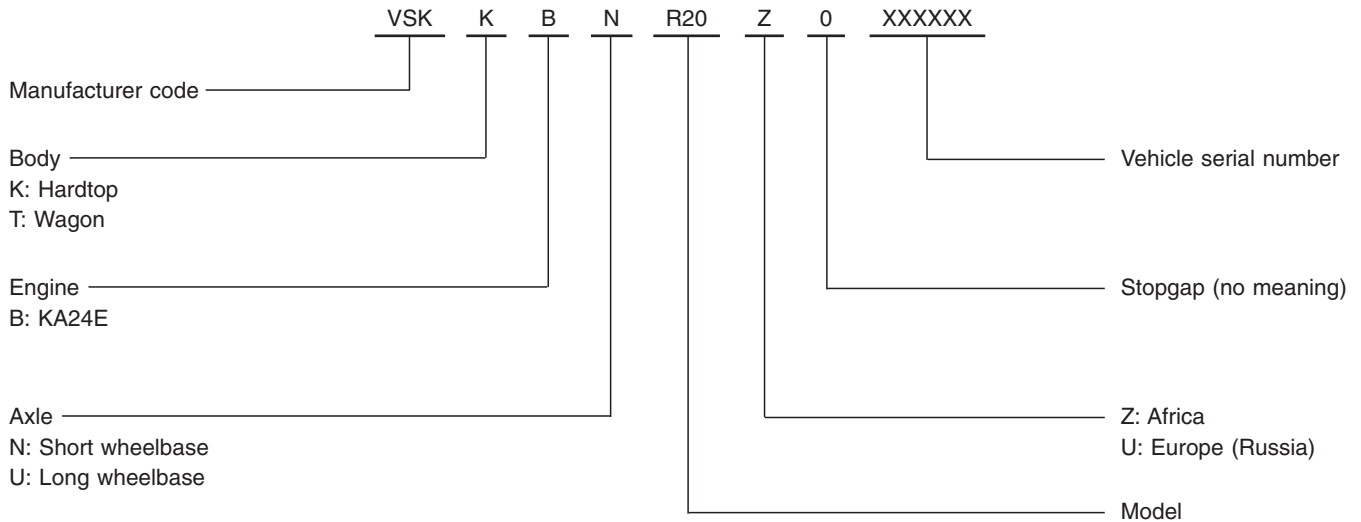
Identification Number



VEHICLE IDENTIFICATION NUMBER (Chassis number)

Prefix and suffix designations:

For Africa and Russia:

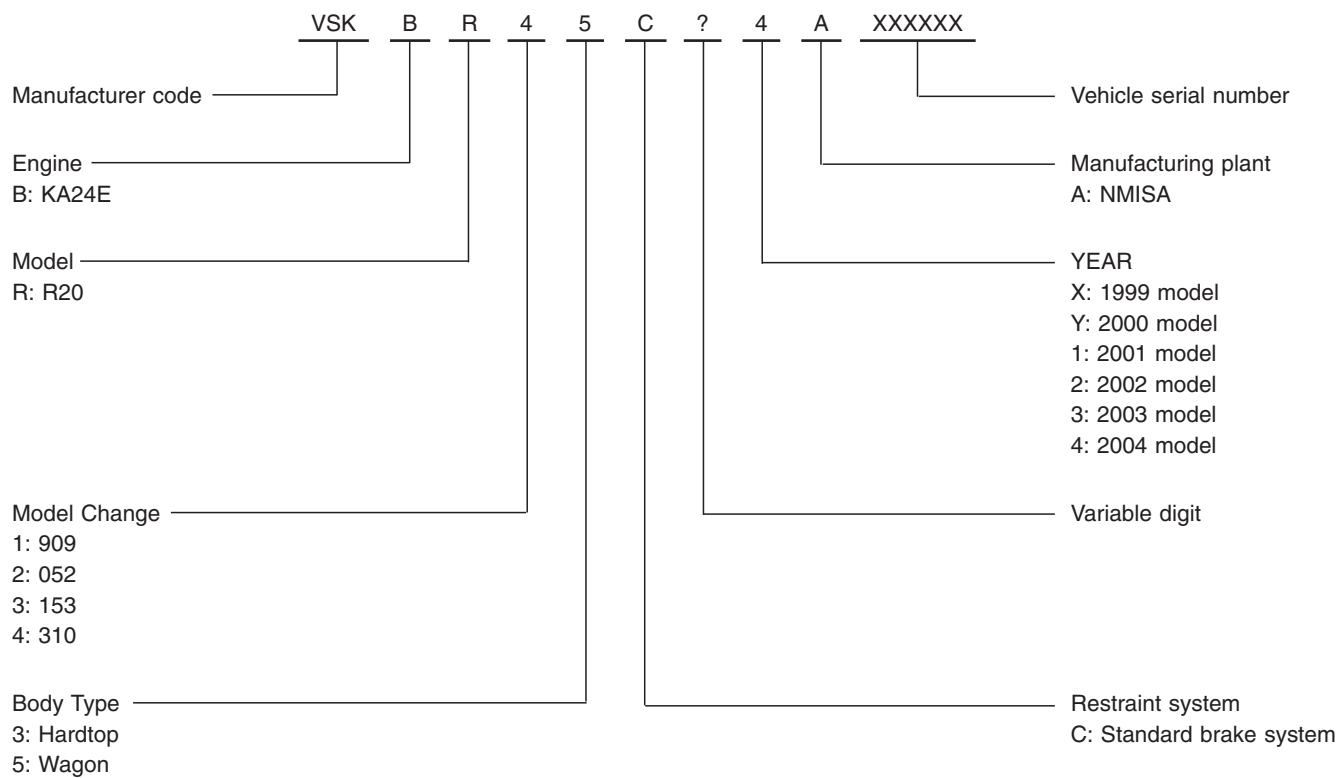


IDENTIFICATION INFORMATION

Identification Number (Cont'd)

Prefix and suffix designations:

For Gulf Countries:



CONTENTS

<COMBINED EDITION>

PRE-DELIVERY INSPECTION ITEMS	3	Checking and Replacing Fuel Filter and Draining Water.....	23
GENERAL MAINTENANCE	4	Replacing Air Cleaner Filter (Viscous paper type).....	24
PERIODIC MAINTENANCE	5	Checking Injection Nozzle.....	24
RECOMMENDED FLUIDS AND LUBRICANTS	8	Checking Idle Speed.....	25
Fluids and Lubricants.....	8	CHASSIS AND BODY MAINTENANCE	28
SAE Viscosity Number.....	9	Checking Exhaust System.....	28
ENGINE MAINTENANCE KA24E	10	Checking Clutch Operation.....	28
Checking Drive Belts.....	10	Checking Clutch Fluid Level and Leaks.....	28
Changing Engine Coolant.....	11	Checking Clutch System.....	28
Checking Cooling system.....	12	Checking M/T Oil.....	28
Checking Fuel Lines.....	13	Changing M/T Oil.....	29
Changing Fuel Filter.....	13	Checking Water Entry.....	29
Changing Air Cleaner Filter (Viscous paper type).....	13	Checking Transfer Oil.....	29
Changing Engine Oil.....	14	Changing Transfer Oil.....	30
Changing Oil Filter.....	15	Checking Propeller Shaft.....	30
Checking and Changing Spark Plugs.....	15	Checking Differential Gear Oil.....	30
Checking Ignition Wires.....	16	Changing Differential Gear Oil.....	31
Checking Positive Crankcase Ventilation (P.C.V.) System.....	16	Checking Front Wheel Bearing Grease.....	31
Changing Positive Crankcase Ventilation (P.C.V.) Filter.....	17	Repacking Front Wheel Bearing Grease.....	31
Checking Vacuum Hoses and Connections.....	17	Checking Free-running Hub Grease.....	32
Checking Vapor Lines.....	17	Checking Brake Fluid Level and Leaks.....	32
Checking Exhaust Gas Recirculation (E.G.R.) Control System.....	17	Checking Brake System.....	32
Checking Exhaust Gas Sensor.....	18	Checking Brake Booster, Vacuum Hoses, Connections and Check Valve.....	32
ENGINE MAINTENANCE TD27T	19	Checking Disc Brake.....	32
Retightening Manifold Bolts and Nuts.....	19	Checking Drum Brake.....	33
Adjusting Intake and Exhaust Valve Clearance.....	19	Checking Foot Brake Pedal Operation.....	34
Drive Belt Inspection.....	20	Checking Parking Brake.....	34
Changing Engine Oil.....	20	Changing Brake Fluid.....	34
Changing Oil Filter.....	21	Balancing Wheels.....	35
Changing Engine Coolant.....	21	Tire Rotation.....	35
Checking Cooling System.....	22	Checking Steering Gear and Linkage.....	35
		Checking Fluid Level and Leaks (Power steering).....	35

CONTENTS (Cont'd)

Greasing Steering Linkage	36
Body	37
Checking Body Corrosion	39

<SUPPLEMENT-I>

PERIODIC MAINTENANCE	1002
RECOMMENDED FLUIDS AND LUBRICANTS	1004
Fluids and Lubricants	1004
ENGINE MAINTENANCE TD27T	1005
Cleaning and Replacing Air Cleaner Filter (Dry paper type)	1005

<SUPPLEMENT-II>

PERIODIC MAINTENANCE	2002
-----------------------------------	------

<SUPPLEMENT-III>

PRE-DELIVERY INSPECTION ITEMS	3002
PERIODIC MAINTENANCE (For Europe)	3003
PERIODIC MAINTENANCE (Except for Europe)	3007
RECOMMENDED FLUIDS AND LUBRICANTS	3011
Fluids and Lubricants	3011
SAE Viscosity Number	3012
ENGINE MAINTENANCE TD27Ti	3013
Adjusting Intake and Exhaust Valve Clearance	3013
Changing Engine Oil	3013
Checking and Replacing Fuel Filter and Draining Water	3014

<SUPPLEMENT-IV> (For Africa and Gulf Countries)

PERIODIC MAINTENANCE	4002
RECOMMENDED FLUIDS AND LUBRICANTS	4006
Fluids and Lubricants	4006
SAE Viscosity Number	4007
ENGINE MAINTENANCE KA24E	4008
Cleaning and Replacing Air Cleaner Filter (Dry Paper Type)	4008
Checking and Changing Spark Plugs	4008

<SUPPLEMENT-V> (For Australia)

PERIODIC MAINTENANCE	5002
Engine and Emission Control Maintenance	5002
Chassis and Body Maintenance	5003
Maintenance Under Severe Driving Conditions	5004

SERVICE DATA AND SPECIFICATIONS (S.D.S.)	40
Engine Maintenance	40
Chassis and Body Maintenance	41

SERVICE DATA AND SPECIFICATIONS (SDS)	1006
Engine Maintenance	1006

Cleaning and Replacing Air Cleaner Filter (Dry paper type)	3015
Checking Injection Nozzle	3015
CHASSIS AND BODY MAINTENANCE	3016
Checking Clutch Operation	3016
Checking Fluid Level and Leaks (Power Steering)	3016

SERVICE DATA AND SPECIFICATIONS (SDS)	3018
Engine Maintenance	3018
Chassis and Body Maintenance	3019

ENGINE MAINTENANCE TD27T	4009
Cleaning and Replacing Air Cleaner Filter (Dry Paper Type)	4009
CHASSIS AND BODY MAINTENANCE	4010
Checking Clutch Operation	4010
SERVICE DATA AND SPECIFICATIONS (SDS)	4011
Engine Maintenance	4011
Chassis and Body Maintenance	4011

CONTENTS (Cont'd)

<SUPPLEMENT-VI> (For Europe and Australia)

GENERAL MAINTENANCE (for Europe)6002

PERIODIC MAINTENANCE (for Europe)6003

Maintenance Schedule for Petrol Engine

Models (annual mileage < 30,000 km/year).....6003

Maintenance Schedule for Petrol Engine

Models (annual mileage > 30,000 km/year).....6005

Maintenance Schedule for Diesel Engine

Models (annual mileage < 30,000 km/year).....6007

Maintenance Schedule for Diesel Engine

Models (annual mileage > 30,000 km/year).....6009

Maintenance Under Severe Driving Conditions

(annual mileage < 30,000 km/year).....6011

Maintenance Under Severe Driving Conditions

(annual mileage > 30,000 km/year).....6013

RECOMMENDED FLUIDS AND

LUBRICANTS6015

Fluids and Lubricants6015

SAE Viscosity Number.....6016

KA24E

ENGINE MAINTENANCE6017

Changing Engine Coolant.....6017

<SUPPLEMENT-VII> (For Europe)

GENERAL MAINTENANCE7002

PERIODIC MAINTENANCE7003

Maintenance Schedule for Petrol Engine

Models (annual mileage < 30,000 km/year).....7003

Maintenance Schedule for Petrol Engine

Models (annual mileage > 30,000 km/year).....7005

Maintenance Schedule for Diesel Engine

Models (annual mileage < 30,000 km/year).....7007

Maintenance Schedule for Diesel Engine

Models (annual mileage > 30,000 km/year).....7009

Maintenance Under Severe Driving Conditions

(annual mileage < 30,000 km/year).....7011

TD27Ti

ENGINE MAINTENANCE6019

Changing Engine Oil.....6019

Retightening Manifold Bolts and Nuts6019

Changing Engine Coolant.....6019

Cleaning and Replacing Air Cleaner Filter

(Dry paper type).....6020

Checking Injection Nozzle6021

CHASSIS AND BODY MAINTENANCE6022

Checking Differential Gear Oil6022

Changing Differential Gear Oil.....6022

Ventilation Air Filter.....6023

SERVICE DATA AND SPECIFICATIONS

(SDS).....6024

Engine Maintenance6024

Chassis and Body Maintenance.....6024

KA24E

ENGINE MAINTENANCE6017

Changing Engine Coolant.....6017

<SUPPLEMENT-VIII> (For Africa and Gulf Countries)

GENERAL MAINTENANCE7002

PERIODIC MAINTENANCE7003

Maintenance Schedule for Petrol Engine

Models (annual mileage < 30,000 km/year).....7003

Maintenance Schedule for Petrol Engine

Models (annual mileage > 30,000 km/year).....7005

Maintenance Schedule for Diesel Engine

Models (annual mileage < 30,000 km/year).....7007

Maintenance Schedule for Diesel Engine

Models (annual mileage > 30,000 km/year).....7009

Maintenance Under Severe Driving Conditions

(annual mileage < 30,000 km/year).....7011

Maintenance Under Severe Driving Conditions

(annual mileage > 30,000 km/year).....7013

RECOMMENDED FLUIDS AND

LUBRICANTS7015

Fluids and Lubricants7015

CHASSIS AND BODY MAINTENANCE7016

Checking A/T Fluid7016

Changing A/T Fluid7016

SERVICE DATA AND SPECIFICATIONS

(SDS).....7017

Engine Maintenance7017

<SUPPLEMENT-VIII> (For Africa and Gulf Countries)

RECOMMENDED FLUIDS AND

LUBRICANTS8002

Fluids and Lubricants8002

KA24E

ENGINE MAINTENANCE8003

Changing Engine Coolant.....8003

TD27T

ENGINE MAINTENANCE8005

Changing Engine Coolant.....8005

CHASSIS AND BODY MAINTENANCE8006

Checking Differential Gear Oil8006

Changing Differential Gear Oil.....8006

Ventilation Air Filter.....8006

CONTENTS (Cont'd)

<SUPPLEMENT-IX> (For Europe, Africa and Gulf Countries)

ENGINE MAINTENANCE	9002	CHASSIS AND BODY MAINTENANCE	9003
Changing Engine Oil.....	9002	Checking Drum Brake	9003

<SUPPLEMENT-X> (For Africa and Gulf Countries)

NO CHANGES

<SUPPLEMENT-XI> (For Europe)

NO CHANGES

<SUPPLEMENT-XII> (For Africa, Gulf Countries and Central & South America)

NO CHANGES

<SUPPLEMENT-XIII> (For Africa, Gulf Countries and Russia)

CHASSIS AND BODY MAINTENANCE	13002	Checking Foot Brake Pedal Operation.....	13002
Checking Clutch Operation.....	13002	Body.....	13003
Checking Transfer Oil	13002	SERVICE DATA AND SPECIFICATIONS (SDS)	13004
Changing Transfer Oil.....	13002	Chassis and Body Maintenance.....	13004

MAINTENANCE

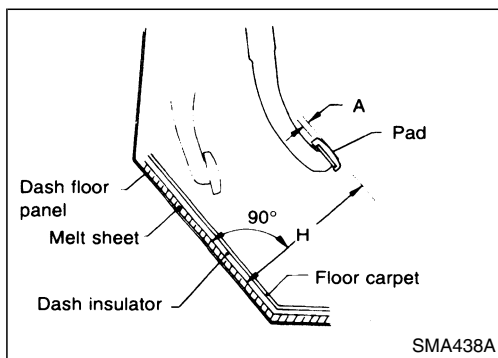
SECTION MA

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CONTENTS

CHASSIS AND BODY MAINTENANCE	13002	Checking Foot Brake Pedal Operation.....	13002
Checking Clutch Operation.....	13002	Body.....	13003
Checking Transfer Oil	13002	SERVICE DATA AND SPECIFICATIONS (SDS)	13004
Changing Transfer Oil.....	13002	Chassis and Body Maintenance.....	13004

CHASSIS AND BODY MAINTENANCE



Checking Clutch Operation

Check clutch pedal height, free play and smooth operation.

Pedal height "H":

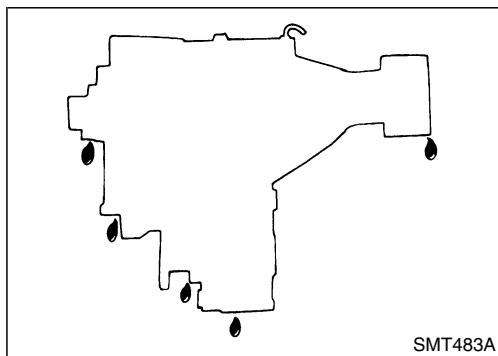
LHD: 217 - 227 mm (8.54 - 8.94 in)

RHD: 200 - 210 mm (7.87 - 8.27 in)

Pedal free play "A":

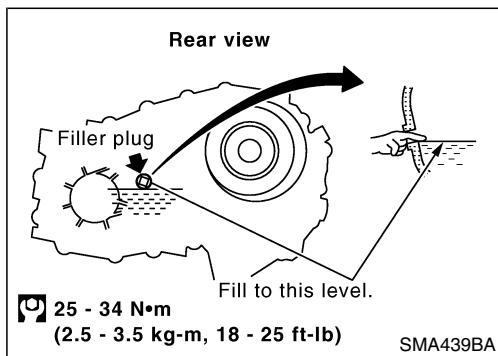
1 - 3 mm (0.039 - 0.118 in)

If necessary, adjust clutch pedal height and pedal free play. Refer to Section CL.



Checking Transfer Oil

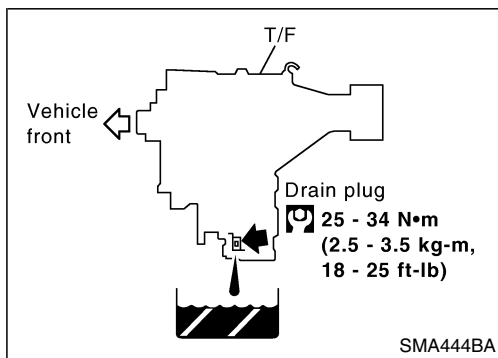
1. Check transfer for leakage.



2. Check oil level.

Never start engine while checking oil level.

"DEXRON™" type Automatic Transmission Fluid is used for the transfer in the factory. Never add gear oil (API GL-4) to Automatic Transmission Fluid.



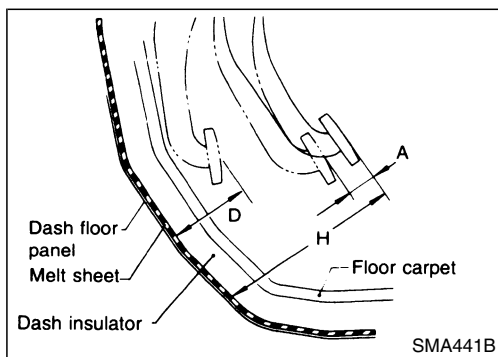
Changing Transfer Oil

Oil capacity:

2.3 liters (2 Imp qt)

When changing transfer oil completely, either "DEXRON™" type Automatic Transmission Fluid or gear oil (API GL-4) may be used.

Do not mix Automatic Transmission Fluid and gear oil.



Checking Foot Brake Pedal Operation

Check brake pedal free height, depressed height and for smooth operation.

H: Free height:

RHD: 196 - 206 mm (7.72 - 8.11 in)

LHD: 210 - 220 mm (8.27 - 8.66 in)

D: Depressed height:

Under force of 490 N (50 kg, 110 lb)

with engine running

RHD: 137.7 - 147.7 mm (5.42 - 5.81 in)

LHD: 142.5 - 152.5 mm (5.61 - 6.00 in)

A: Pedal free play

1.0 - 3.0 mm (0.039 - 0.118 in)

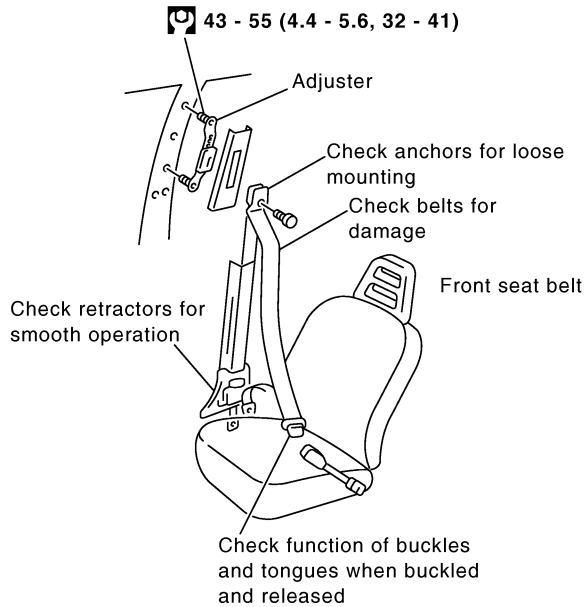
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<http://vnx.su/>

CHASSIS AND BODY MAINTENANCE

Body

CHECKING SEAT BELTS, BUCKLES, RETRACTORS, ANCHORS AND ADJUSTERS

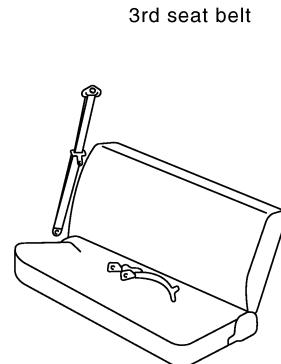
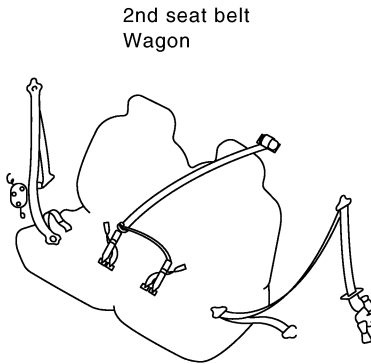
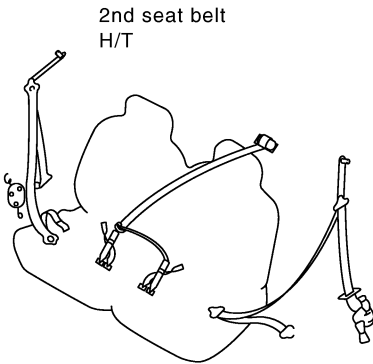


CAUTION:

- After any collision, inspect all seat belt assemblies, including retractors and other attached hardware (i.e. anchor bolt, guide rail set). Nissan recommends to replace all seat belt assemblies in use during a collision, unless not damaged and properly operating after minor collision. Replace the seat belt assembly if any damage or improper operation were found even if the belt had not been used during a collision. Also inspect seat belt assemblies not in use during a collision, and replace if damaged or improperly operating. Front seat belt pre-tensioner should be replaced even if the seat belt are not in use during a frontal collision where the driver and passenger air bags are deployed.
- If any component of seat belt assembly is questionable, do not repair. Replace as seat belt assembly.
- If webbing is cut, frayed, or damaged, replace belt assembly.
- Do not spill drinks, oil etc. on inner lap belt buckle. Never oil tongue and buckle.
- Use a NISSAN genuine seat belt assembly.


Anchor bolt

43.1 - 54.9 (4.4 - 5.6, 32 - 40)



CAUTION:

When removing the seat belt and seat belt pre-tensioner retractor, be sure to make the seat belt pre-tensioner inoperative. Refer to "SUPPLEMENTAL RESTRAINT SYSTEM (SRS)" -Removal and Installation- Seat belt pre-tensioner in section BF.

 : N•m (kg-m, ft-lb)

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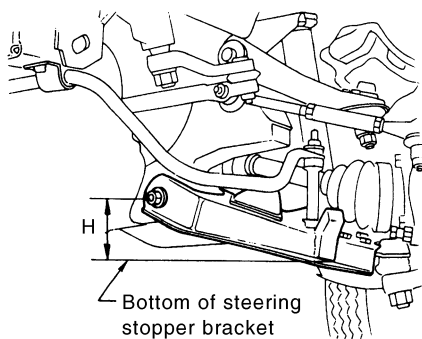
SERVICE DATA AND SPECIFICATIONS (SDS)

Chassis and Body Maintenance

INSPECTION AND ADJUSTMENT

Front axle and front suspension (Unladen)*1

Applied model		Hardtop	Wagon
Camber	degree	0°38'±30'	
Caster	degree	1°45'±30'	1°48'±30'
Kingpin inclination	degree	8°03'±30'	
Total toe-in			
Radial tire	mm (in)	3.8 - 5.8 (0.15 - 0.23)	
Front wheel turning angle			
Full turn			
inside		33° - 35°	
outside		31° - 33°	
Vehicle posture			
Lower arm pivot height (H)	mm (in)	49 (1.93)	



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- *1: Fuel, radiator coolant and engine oil full.
Spare tire, jack, hand tools and mats in designated positions.
*2: Wheel turning force (at circumference of steering wheel) of 98 to 147 N (10 to 15 kg, 22 to 33 lb) with engine idle.

TIGHTENING TORQUE

Unit	N·m	kg·m	ft·lb
Clutch			
Pedal stopper lock nut KA24E	12 - 15	1.3 - 1.5	9 - 11
Master cylinder push rod lock nut	8 - 11	0.8 - 1.1	5.8 - 8.0
Manual transmission			
Drain and filler plugs			
FS5W71C	25 - 34	2.5 - 3.5	18 - 25
FS5R30A	25 - 34	2.5 - 3.5	18 - 25
Front axle and front sus- pension			
Tie-rod lock nut	80 - 100	8.2 - 10.1	59 - 73
Brake system			
Air bleeder valve	7 - 9	0.7 - 0.9	5.1 - 6.5
Wheel and tire			
Wheel nut	118 - 147	12.0 - 15.0	87.0 - 108.4

CONTENTS

<COMBINED EDITION>

PRECAUTIONS	2
Parts Requiring Angular Tightening Liquid	2
Gasket Application Procedure	2
PREPARATION	3
KA24E	
OUTER COMPONENT PARTS	8
COMPRESSION PRESSURE	9
Measurement of Compression Pressure	9
OIL PAN	10
Removal	10
Installation	11
TIMING CHAIN	13
Removal	13
Inspection	15
Installation	15
CYLINDER HEAD	18
Removal	19
Disassembly	21
Inspection	21
Assembly	26
Installation	28
OIL SEAL REPLACEMENT	32
ENGINE REMOVAL	34
CYLINDER BLOCK	36
Disassembly	37
Inspection	37
Assembly	44

TD27T	
ENGINE COMPONENTS — Outer Parts	47
COMPRESSION PRESSURE	49
Measurement of Compression Pressure	49
CYLINDER HEAD	50
Removal	51
Disassembly	52
Inspection	53
Assembly	59
Installation	60
OIL SEAL REPLACEMENT	63
TURBOCHARGER	65
Removal and Installation	65
Inspection	65
ENGINE REMOVAL	67
ENGINE OVERHAUL	69
Disassembly	70
Inspection	72
Assembly	84

KA24E	
SERVICE DATA AND SPECIFICATIONS (S.D.S.)	89
General Specifications	89
Inspection and Adjustment	90

TD27T	
SERVICE DATA AND SPECIFICATIONS (S.D.S.)	98
General Specifications	98
Inspection and Adjustment	99

CONTENTS (Cont'd)

<SUPPLEMENT-I>

TD27T

ENGINE COMPONENTS — Outer Parts1002
ENGINE OVERHAUL1004

<SUPPLEMENT-II>

NO CHANGES

<SUPPLEMENT-III>

PRECAUTIONS3002
 Parts Requiring Angular Tightening Liquid3002
 Gasket Application Procedure3002
PREPARATION3003
 Special Service Tools3003
 Commercial Service Tools3006

TD27Ti

ENGINE COMPONENTS — Outer Parts3007
ENGINE COMPONENTS — Internal Parts3009
COMPRESSION PRESSURE3010
 Measurement of Compression Pressure3010
CYLINDER HEAD3011
 Removal3012
 Disassembly3013
 Inspection3014

Assembly3020
 Installation3021
OIL SEAL REPLACEMENT3024
TURBOCHARGER3026
 Removal and Installation3026
 Inspection3026
ENGINE REMOVAL3030
ENGINE OVERHAUL3032
 Disassembly3032
 Inspection3034
 Assembly3045
SERVICE DATA AND SPECIFICATIONS (SDS)3050
 General specifications3050
 Inspection and adjustment3051

<SUPPLEMENT-IV> (For Africa and Gulf Countries)

KA24E

OUTER COMPONENTS4002
CYLINDER HEAD4003
 Inspection4003

SERVICE DATA AND SPECIFICATIONS (SDS)4004

<SUPPLEMENT-V> (For Australia)

NO CHANGES

<SUPPLEMENT-VI> (For Europe and Australia)

PREPARATION6002
 Special Service Tools6002

CYLINDER HEAD6005
 Removal6005
TURBOCHARGER6007
 Inspection6007

TD27Ti

ENGINE COMPONENTS — Outer Parts6003

<SUPPLEMENT-VII> (For Europe)

TD27Ti

ENGINE COMPONENTS — Outer Parts7002