



**MODIFICATION NOTICE:**

**Electrical system**

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## PRECAUTIONS

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Observe the following precautions to ensure safe and proper servicing. These precautions are not described in each individual section.



### Supplemental Restraint System (SRS) “AIR BAG” and “SEAT BELT PRE-TENSIONER”

The Supplemental Restraint System such as “AIR BAG” and “SEAT BELT PRE-TENSIONER” used along with a seat belt, helps to reduce the risk or severity of injury to the driver and front passenger in a frontal collision. The SRS system composition which is available to NISSAN MODEL D22 is as follows (The composition varies according to the destination and optional equipment.):

Driver air bag module (located in the center of the steering wheel), front passenger air bag module (located on the instrument panel on passenger side), seat belt pre-tensioner, a diagnosis sensor unit, warning lamp, wiring harness and spiral cable. Information necessary to service the system safely is included in the **RS section** of this Service Manual.

#### WARNING:

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, all maintenance must be performed by an authorized NISSAN dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the RS section.
- Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. Spiral Cable and wiring harnesses (except “SEAT BELT PRE-TENSIONER”) covered with yellow insulation either just before the harness connectors or for the complete harness are related to the SRS.

# HOW TO READ WIRING DIAGRAMS

## Wiring Diagram Codes (Cell Codes)

Use the chart below to find out what each wiring diagram code stands for.

Refer to the wiring diagram code in the alphabetical index to find the location (page number) of each wiring diagram.

Code	Section	Wiring Diagram Name
AAC/V	EC	IACV-AAC Valve
ABS	BR	Anti-lock Brake System
A/C	HA	Air Conditioner
AUDIO	EL	Audio
BACK/L	EL	Back-up Lamp
BUZZER	EL	Warning Buzzer
CHARGE	EL	Charging System
CHOKE	EC	Automatic Choke
CMPS	EC	Camshaft Position Sensor
COOL/F	LC	Cooling Fan Control
DEF	EL	Rear Window Defogger
D/LOCK	EL	Power Door Lock
ECTS	EC	Engine Coolant Temperature Sensor
PGC/V	EC	Canister Purge Control Solenoid Valve
FCUT	EC	Fuel Cut Solenoid Valve
FICD	EC	IACV-FICD Solenoid Valve
FIPO	EC	ISC-FI Pot
FPCM	EC	Fuel Pump Control Module
F/PUMP	EC	Fuel Pump
F/RTN	EC	Fuel Return Control Solenoid Valve
GLOW	EC	Quick-glow System
H/LAMP	EL	Headlamp
HEAT	HA	Heater
HO2S	EC	Heated Oxygen Sensor
HORN	EL	Horn, Cigarette Lighter, Clock
IATS	EC	Intake Air Temperature Sensor
IDLE	EC	IACV-Idle Up Control
IGN	EC	Ignition System
IGN/SG	EC	Ignition Signal

Code	Section	Wiring Diagram Name
ILL	EL	Illumination
INJECT	EC	Injector
INT/L	EL	Interior and Spot Lamps
MAFS	EC	Mass Air Flow Sensor
MAIN	EC	Main Power Supply and Ground Circuit
METER	EL	Speedometer, Tachometer, Temp. and Fuel Gauges
MIL/DL	EC	MIL and Data Link Connector For CONSULT
MIRROR	EL	Power Door Mirror
P/ANT	EL	Power Antenna
PLA	EC	Partial Load Advance Control
PNP/SW	EC	Park/Neutral Position Switch
POWER	EL	Power Supply Routing
PST/SW	EC	Power Steering Oil Pressure Switch
SRS	RS	Supplemental Restraint System
S/SIG	EC	Start Signal
START	EL	Starting System
STOP/L	EL	Stop Lamp
SWL/V	EC	Swirl Control Valve Control Solenoid Valve
TAIL/L	EL	Parking, License and Tail Lamps
TPS	EC	Throttle Position Sensor
TURN	EL	Turn Signal and Hazard Warning Lamps
VSS	EC	Vehicle Speed Sensor
WARN	EL	Warning Lamps
WINDOW	EL	Power Window
WIPER	EL	Front Wiper and Washer

# IDENTIFICATION INFORMATION

## Model Variation

### PICKUP (2WD)

Destination	Class			Model		Engine	Transmission	Differential carrier
	Wheelbase	Cab	Grade	LH drive	RH drive			
Europe	Long	Single Cab	STD	AVNGLCF-NQL	AVNGRCF-NQL	TD25	FS5W71C	C200
				AVNGLDF-NQL	AVNGRDF-NQL			
		King Cab	DX	BVNGLDF-NQN	BVNGRDF-NQN	KA24E	FS5W71C	C200
				BBFGLDF-EQN	—			
Double Cab	—	CVNGLDF-NQN	—	TD25	FS5W71C	C200		

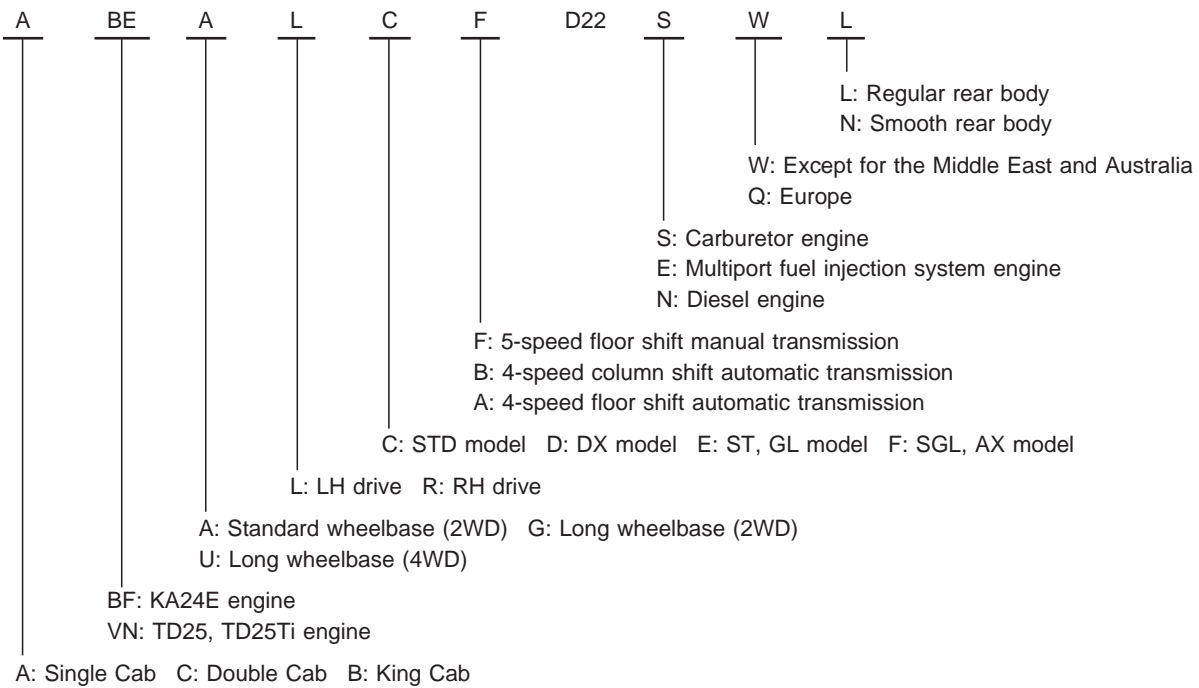
### PICKUP (4WD)

Destination	Class			Model		Engine	Transmission	Differential carrier		
	Wheelbase	Cab	Grade	LH drive	RH drive			Front	Rear	Transfer
Europe	Long	Single Cab	STD	AVNULCF-UQL	AVNURCF-UQL	TD25Ti	FS5R30A	R180A	H233B	TX10A
				AVNULDF-UQL	AVNURDF-UQL					
				BVNULEF-UQL	—					
		King Cab	DX	BVNULDF-UQL	BVNURDF-UQN	KA24E	FS5W71C	FS5R30A	H233B	C200
				BBFULDF-EQN	—					
				CVNULEF-UQN	—					
		Double Cab	DX	CVNULDF-UQN	CVNURDF-UQN	KA24E	FS5W71C	FS5R30A	H233B	C200
				CBFULDF-EQN	—					

# IDENTIFICATION INFORMATION

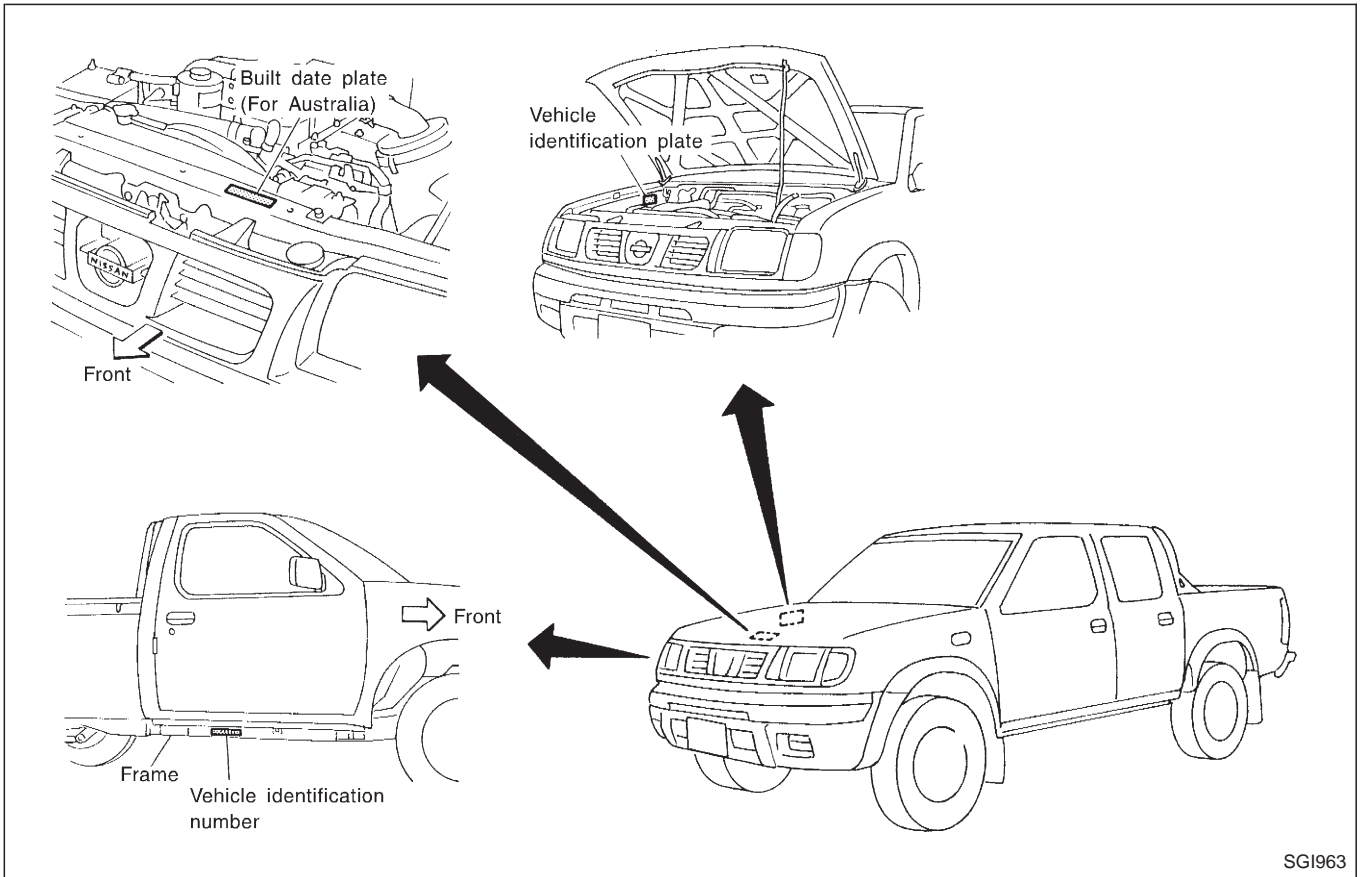
## Model Variation (Cont'd)

### Prefix and suffix designations (Pickup)



# IDENTIFICATION INFORMATION

## Identification Number

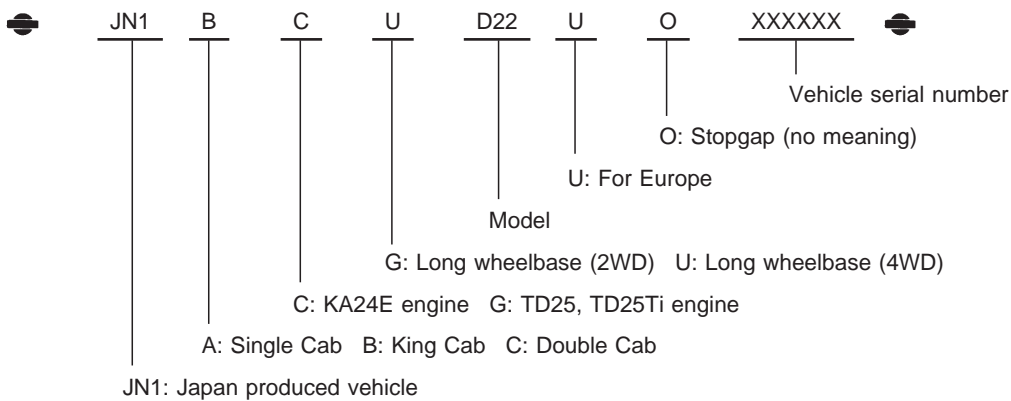


SGI963

## VEHICLE IDENTIFICATION NUMBER (Chassis number)

### Prefix and suffix designations

#### For Europe



# IDENTIFICATION INFORMATION

## Dimensions

Destination		Europe					
Vehicle type		2-wheel drive model			4-wheel drive model		
Wheelbase		Long			Long		
Cab or bed type		Single Cab	King Cab	Double Cab	Single Cab	King Cab	Double Cab
Overall length*1	mm (in)	4,975 (195.9)	4,975 (195.9)	4,885 (192.3)	4,975 (195.9)	4,975 (195.9)	4,885 (192.3)
Overall width	mm (in)	1,690 (66.5)	1,690 (66.5)	1,690 (66.5)	1,820 (71.7)	1,820 (71.7)	1,820 (71.7)
Overall height	mm (in)	1,600 (63.0) 1,610 (63.4)*2	1,600 (63.0) 1,610 (63.4)*2	1,620 (63.8) 1,630 (64.2)*2	1,700 (66.9)	1,700 (66.9) 1,690 (66.5)*2	1,720 (67.7) 1,710 (67.3)*2
Wheelbase	mm (in)	2,950 (116.1)	2,950 (116.1)	2,950 (116.1)	2,950 (116.1)	2,950 (116.1)	2,950 (116.1)
Tread	Front	mm (in)	1,395 (54.9)	1,395 (54.9)	1,395 (54.9)	1,525 (60.0)	1,525 (60.0)
	Rear	mm (in)	1,390 (54.7)	1,390 (54.7)	1,390 (54.7)	1,505 (59.3)	1,505 (59.3)
Ground clearance	mm (in)	190 (7.5) 200 (7.9)*2	190 (7.5)	190 (7.5) 200 (7.9)*2	215 (8.5)	215 (8.5) 230 (9.1)*3 210 (8.3)*2	215 (8.5) 230 (9.1)*3 210 (8.3)*2

\*1: On step bumper equipped models, the bumper adds 155 mm (6.1 in) to the overall length above.

\*2: With option tires

\*3: With KA24E engine

## Wheels and Tires

### PICKUP (2WD)

Tire	Wheel	Model		
		Europe		
		Single Cab	King Cab	Double Cab
6.00/6.50-14-6/8PR*1	5J-14	—	—	—
6.50-14-8/8PR	5J-14	—	—	—
185R14-8PR	5J-14	X	X	X
195R14-8PR	5J-14	X*2	X*2	X*2
195R15-8PR	6JJ-15	—	—	—

X: Applicable

—: Not applicable

\*1: 6.00-14-6 for front/6.50-14-8 for rear  
6-ply rating for front/8-ply rating for rear

\*2: Option

### PICKUP (4WD)

Tire	Wheel	Model
		Europe
6.50-15-6/8PR*1	5J-1/2K-15	—
215R15-8PR	5J-1/2K-15	—
205R16-8PR	6J-16	X
255/70R15	7JJ-15	X*2

X: Applicable

—: Not applicable

\*1: 6-ply rating for front/8-ply rating for rear

\*2: Option