MAINTENANCE INFORMATION

1992 Infiniti G20

1991-96 MAINTENANCE Infiniti Maintenance Information

G20

* PLEASE READ THIS FIRST *

NOTE:

For scheduled maintenance intervals and the related fluid capacities, fluid specifications and labor times for major service intervals, see SCHEDULED SERVICES article in this section. Warranty information and specifications for fluid capacities, lubrication specifications, wheel and tire size, and battery type are covered in this article.

MODEL IDENTIFICATION

VIN LOCATION

The Vehicle Identification Number (VIN) is located on the left side of the dash panel at the base of the windshield. The VIN chart explains the code characters.

VIN CODE ID EXPLANATION

Numbers preceding the explanations in the legend below refer to the sequence of characters as listed on VIN identification label. See VIN example below.

(VIN)	J	N	K	С	Р	0	1	Р	4	М	Т	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

- 1 Manufacturing Country J * Japan
- 2 Manufacturer
 - N * Nissan Motor Co., Ltd
- 3 Vehicle Type
 - K * Passenger Car
- 4 Engine Type
 - C * 2.0L L4 (SR20DE)
- 5 Vehicle Line
 - P * G20
- 6 Model Identification Code
 - * 0 Through 9
- 7 Body Type
 - 1 * 4-Door Sedan
- 8 Restraint System
 - D * Driver & Passenger Air Bag & 3-point Seat Belt (1993.5-96)
 - Automatic Seat Belt
 - * Standard

```
9 - VIN Check Digit
```

* 0 Through 9 Or X

10 - Vehicle Model Year

M * 1991

1992

Ρ 1993

R 1994

1995

* 1996

11 - Assembly Plant T * Oppama, Japan

12-17 - Serial Number

* Sequential Production Number

MAINTENANCE SERVICE INFORMATION

SEVERE & NORMAL SERVICE DEFINITIONS

NOTE: Use the Severe Service schedule if the vehicle to be serviced is operated under ANY (one or more) of these conditions:

Service is recommended at mileage intervals based on vehicle operation. Service schedules are based on following primary operating conditions.

Normal Service

- Driven More Than 10 Miles Daily
- * No Operating Conditions From Severe Service Schedule

Severe Service (Unique Driving Conditions)

- * Frequent Short Trips Of 5 Miles Or Less
- * Frequent Short Trips (Less Than 10 Miles) In Freezing Temperature
- * Towing Or Commercial Use
- * Driving In Rough, Muddy, Salty Or Sandy Areas
- * Severe Dust Conditions
- Hot Weather, Stop-And-Go Driving
- Extensive Idling

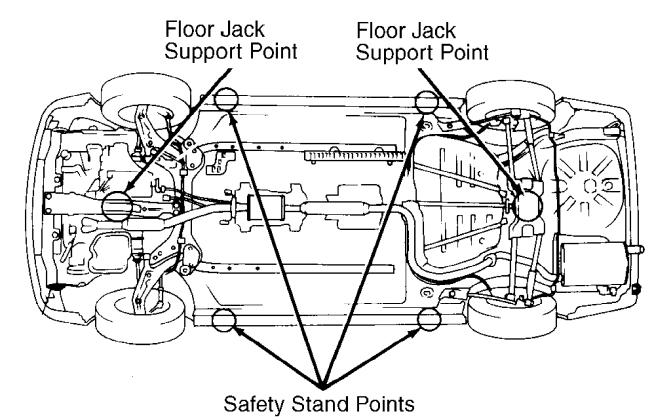
FUEL FILTER SERVICE

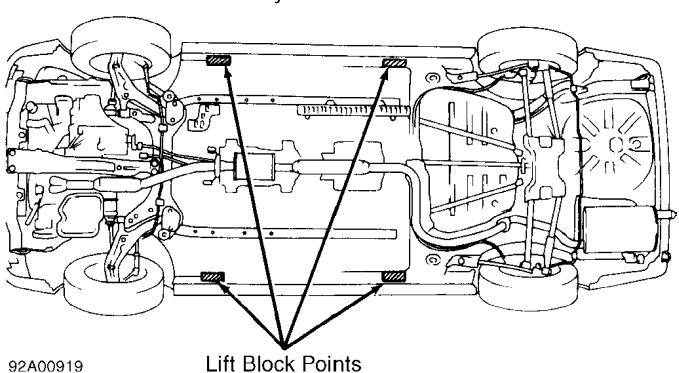
Under extremely adverse weather conditions or in area where ambient temperatures are extremely low or extremely high, the fuel filter may require more frequent inspection or replacement since it may get clogged.

AIR BAG INSPECTION

The air bag system needs to be inspected 10 years after the date of manufacture as noted on the certification label. Dual Air Bags are installed in all G-20 models built from 3/93 (1993.5-96).

SERVICE POINTS

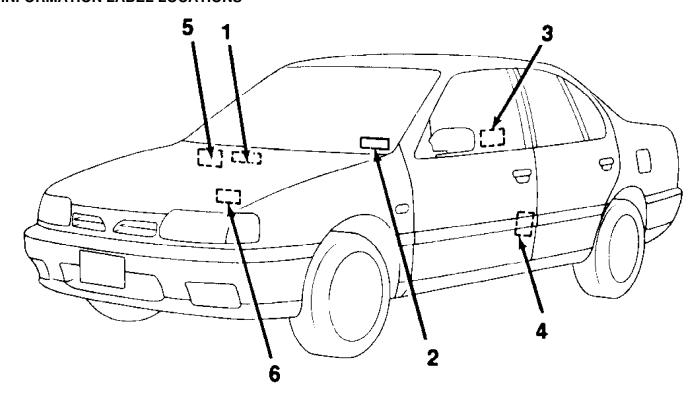




92A00919 Lift
Fig. 1: Lift Point Locations
Courtesy of Nissan Motor Co., U.S.A.

NOTE: For more information regarding jacking or hoisting the vehicle, refer to the JACKING & HOISTING article in the WHEEL ALIGNMENT section.

INFORMATION LABEL LOCATIONS



- 1. Chassis Number
- 2. Vehicle Identification Number Plate
- 3. Tire Placard (center console lid)
- 4. Federal Motor Vehicle Safety Standard (FMVSS)
 Certification Label
- 5. Vehicle Identification Plate
- 6. Emission Control Information Label (Hood)

Fig. 2: Information Label Locations Courtesy of Nissan Motor Co., U.S.A.

SERVICE LABOR TIMES

SERVICE LABOR TIMES TABLE (HOURS)

Application	0,000 e Ser	Mile	,000 vice
Automatic Transaxle Manual Transaxle			

LUBRICATION SPECIFICATIONS

Application	Fluid Specifications
Automatic Transaxle Brake Fluid	Nissan Brake Fluid Or Dot 3 . Ethylene-Glycol Antifreeze SAE 5W-30 API SG SAE 80W-90 API GL-4
(1) - SAE 10W-30 and 10W-40 may be u than 0°F (-18°C), but 5W-30 is temperatures.	sed in temperatures greater preferred for all ambient

FLUID CAPACITIES

FLUID CAPACITIES TABLE

Application Quantity
A/C System R-12 Refrigerant 1991-93
Automatic Transaxle
With Oil Filter 3.6 Qts. (3.4L) Without Oil Filter 3.4 Qts. (3.2L)
Transaxle Automatic
(1) - Use of R12 in a R134a system will result in SEVERE DAMAGE.

WHEEL & TIRE SPECIFICATIONS

CAUTION: DO NOT mix tires of different design such as radials with bias or bias-belted tires. Mixing tire types will adversely affect road handling and may lead to loss of vehicle control. DO NOT use tire chains on compact (T-type) spare tires.

TIRE & WHEEL SPECIFICATIONS TABLE

Wheel S	Size	Tire Size
	cd 6JJ (Aluminum) T125/70 D15 Or	

Tighten all wheel lug nuts to 72-87 ft. lbs. (98-118 N.m). Always tighten wheel lug nuts in a crisscross pattern.

BATTERY SPECIFICATIONS

CAUTION: When battery is disconnected, vehicles equipped with computers may lose memory data. When battery power is restored, driveability problems may exist on some vehicles. These vehicles may require a relearn procedure. See COMPUTER RELEARN PROCEDURES article in the GENERAL INFORMATION Section.

Battery is located in the engine compartment. Under normal conditions, battery delivered with vehicle is maintenance free and does not require additional water. However, under severe conditions it is advisable to check battery fluid periodically to ensure adequate fluid level. Electrolyte level should be between the MIN and MAX marks on the battery case. If it becomes necessary to add water to battery, use only distilled water. DO NOT overfill battery.

BATTERY REPLACEMENT SPECIFICATIONS TABLE

Application	BCI	Group	Number
California Models Non-California Models			

CAUTIONS & WARNINGS

SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)

NOTE: See the AIR BAGS article in the ACCESSORIES/SAFETY EQUIPMENT Section.

Modifications or improper maintenance, including incorrect removal and installation of the Supplemental Restraint System (SRS), can adversely affect system performance. DO NOT cover, obstruct or change the steering wheel horn pad in any way, as such action could cause improper function of the system. Use only plain water when cleaning the horn pad. Solvents or cleaners could adversely affect the air bag cover and cause improper deployment of the system.

WARNING: To avoid injury from accidental air bag deployment, read and carefully follow all warnings and service precautions. See appropriate AIR BAGS article in ACCESSORIES/SAFETY EQUIPMENT.

CAUTION: Disconnect negative battery cable before servicing any air bag system, steering column or passenger side dash component. After any repair, turn ignition key to the ON position from passenger's side of vehicle in case of accidental air bag inflation

AIR CONDITIONING SERVICING

CAUTION: Avoid breathing R-134a refrigerant and PAG lubricant vapors, exposure may irritate eyes, nose and throat. To remove R-134a from system use R-134a recycling equipment that meets SAE J2210 specifications. If accidental system discharge occurs, ventilate work area before resuming service.

WARNING: R-134a service equipment or vehicle A/C systems SHOULD NOT be pressure tested or leak tested with compressed air. Some mixtures of air/R134a have shown to be combustible at elevated pressures. These mixtures are dangerous and may cause fire and/or explosions. See AIR CONDITIONING SERVICE article in GENERAL INFORMATION section.

ANTI-LOCK BRAKE SYSTEM

The anti-lock brake system contains electronic equipment that can be susceptible to interference caused by improperly installed or high output radio transmitting equipment. Since this interference could cause the possible loss of the anti-lock braking capability, such equipment should be installed by qualified professionals.

On models equipped with anti-lock brake systems, ALWAYS observe the following cautions:

- * DO NOT attempt to bleed hydraulic system without first referring to the appropriate ANTI-LOCK BRAKE SYSTEM article in the BRAKES Section.
- * DO NOT mix tire sizes. As long as tires remain close to the original diameter, increasing the width is acceptable. Rolling diameter must be identical for all 4 tires. Some manufacturers recommend tires of the same brand, style and type. Failure to follow this precaution may cause inaccurate wheel speed readings.
- * Use ONLY recommended brake fluids. DO NOT use silicone brake fluids in an ABS-equipped vehicle.

BATTERY WARNING

WARNING: When battery is disconnected, vehicles equipped with computers may lose memory data. When battery power is restored, driveability problems may exist on some vehicles. These vehicles may require a relearn procedure. See COMPUTER RELEARN PROCEDURES article in GENERAL INFORMATION section.

REPLACING BLOWN FUSES

Before replacing a blown fuse, remove ignition key, turn off all lights and accessories to avoid damaging the electrical system. Be sure to use fuse with the correct indicated amperage rating. The use of an incorrect amperage rating fuse may result in a dangerous electrical system overload.

BRAKE PAD WEAR INDICATOR

Indicator will cause a squealing or scraping noise, warning that brake pads need replacement.

CATALYTIC CONVERTER

Continued operation of vehicle with a severe malfunction could cause converter to overheat, resulting in possible damage to converter and vehicle.

ELECTROSTATIC DISCHARGE SENSITIVE (ESD) PARTS

WARNING: Many solid state electrical components can be damaged by static electricity (ESD). Some will display a warning label,

but many will not. Discharge personal static electricity by touching a metal ground point on the vehicle prior to servicing any ESD sensitive component.

ENGINE OIL

CAUTION: Never use non-detergent or straight mineral oil.

FUEL SYSTEM SERVICE

WARNING: Relieve fuel system pressure prior to servicing any fuel system component (fuel injection models).

HALOGEN BULBS

Halogen bulbs contain pressurized gas which may explode if overheated. DO NOT touch glass portion of bulb with bare hands. Eye protection should be worn when handling or working around halogen bulbs.

RADIATOR CAP

CAUTION: Always disconnect the fan motor when working near the radiator fan. The fan is temperature controlled and could start at any time even when the ignition key is in the OFF position. DO NOT loosen or remove radiator cap when cooling system is hot.

WARNING: RADIATOR FAN

Keep hands away from radiator fan. Fan is controlled by a thermostatic switch which may come on or run for up to $15\ \text{minutes}$ even after engine is turned off.

WARRANTY INFORMATION

CAUTION: Always refer to customer's copy of warranty information for specific model application and/or coverage limitations.

BASIC NEW CAR LIMITED WARRANTY

Everything is covered for 48 months or 60,000 miles, whichever occurs first. Warranty begins on date vehicle is delivered or put in use, whichever occurs first. Covers cost to all parts and labor needed to repair or adjust any item on vehicle which have been proven defective in material or workmanship under normal use, except battery, which is replaced on a pro-rated basis. Tires are covered under a separate manufacturer warranty. Refer to customer copy of warranty information for specific details.

BATTERY LIMITED WARRANTY

Original battery installed on vehicle is covered for 48 months or 60,000 miles, whichever occurs first. Battery will be replaced free of charge if it is proven defective within the first 12 months. If it becomes unserviceable due to defects after 12 months, credit will be given towards the purchase of a new battery based on mileage and time in service. Manufacturer will pay labor costs. See copy of warranty for specific details.

POWERTRAIN WARRANTY

Covers any repairs needed to correct defects in material or workmanship in engine, transmission, clutch, drivetrain, suspension, steering, brakes, electrical control system, air bags and related control systems. Warranty period is 6 years or 70,000 miles, whichever occurs first.

PERFORATION WARRANTY

Covers any body-sheet metal panel that is perforated due to corrosion as a result of defects in workmanship or material. Warranty begins on date vehicle is delivered or first put in use, whichever occurs first, and lasts for 7 years regardless of mileage (6 years on 1991 models).

PARTS & ACCESSORIES LIMITED WARRANTY

Warrants all replacement parts and accessories supplied by Nissan for use on Infiniti vehicles to be free of defects in material or workmanship under normal use for 12 months or 12,000 miles, whichever occurs first. Warranty on replacement parts and accessories installed in vehicle while it is still under manufacturer warranty will not end before end of manufacturer warranty.

SEAT BELT LIMITED WARRANTY

Covers repair or replacement, at manufacturer's option, any factory-installed seat belt that fails to function properly during normal use for useful life of vehicle.

EMISSION CONTROL SYSTEM DEFECT WARRANTY (EXCEPT CALIFORNIA)

Manufacturer warrants its emission components in vehicle to be free of defects in material and workmanship and that vehicle is designed, built and equipped to conform to all applicable Federal standards for emission control system at time of sale. Warranty begins on date vehicle is delivered or first put in use and is effective for 5 years or 50,000 miles, whichever occurs first.

EMISSION SYSTEM PERFORMANCE WARRANTY (EXCEPT CALIFORNIA)

Covers all repairs, adjustments and replacements if vehicle fails to conform to applicable emission standards and such failure results in vehicle owner bearing a penalty or other sanction under local, state or federal law for 5 years or 50,000 miles, whichever comes first. If vehicle has been in use for more than 24 months or 24,000 miles, manufacturer will make necessary adjustments, repairs and replacements at no cost to owner only when noncompliance is caused by failure of components which have been installed in vehicle for sole or primary purpose of reducing vehicle emissions. See copy of warranty for specific components covered.

EMISSION SYSTEM PERFORMANCE WARRANTY (CALIFORNIA)

For 5 years or 50,000 miles, whichever occurs first, manufacturer will make all necessary repairs and adjustments to ensure vehicle passes a required Smog Check inspection.

EMISSION SYSTEM DEFECT WARRANTY (CALIFORNIA)

For 5 years or 50,000 miles, whichever occurs first, vehicle is free from defects in materials or workmanship which may cause it to

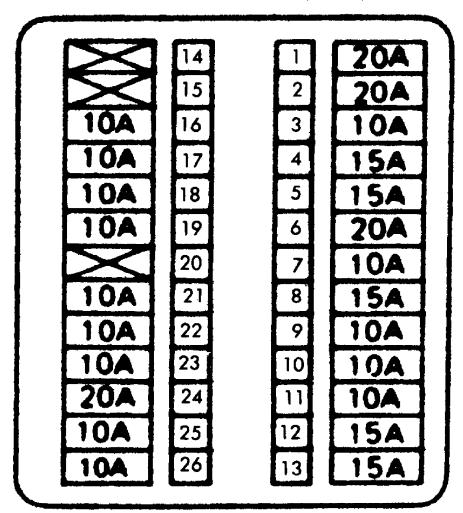
fail to conform with applicable California emission regulations. Certain emission-related parts are covered for repair or replacement for 7 years or 70,000 miles, whichever occurs first. See copy of warranty for specific components covered.

FUSES & CIRCUIT BREAKERS

FUSE & RELAY PANEL LOCATION

Electrical components are protected against shorts by fuses. Main fuse box is located under dashboard on driver's side. An underhood fuse and fusible link box is located next to battery. Relay boxes are located next to battery and on right side of engine compartment.

UNDERDASH FUSE PANEL IDENTIFICATION (1991-93)

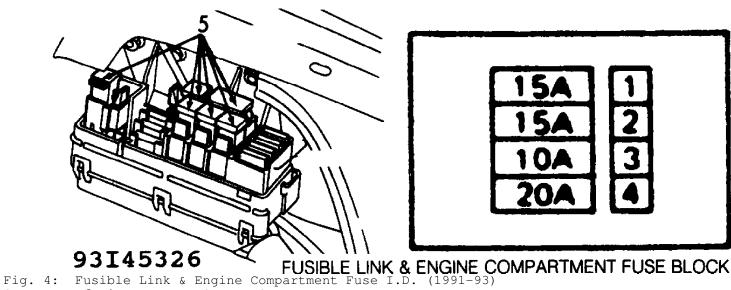


DASH PANEL FUSE BLOCK 93J45327

Fig. 3: Underdash Fuse Panel Identification (1991-93) Courtesy of Nissan Motor Co., U.S.A.

```
1 - 20 Amp
        Rear Window Defogger
 2 - 20 Amp
        Rear Window Defogger
 3 - 10 Amp
        Shift Lock System Time, Control Unit (A/T Only)
 4 - 15 Amp
        Blower Motor
 5 - 15 Amp
        Blower Motor
 6 - 20 Amp
        Wiper & Washer
 7 - 10 Amp
        Electronic Control Computer System (ECCS), Bulb Check Relay,
        Theft Warning System, Radiator Fan System
 8 - 15 Amp
        Fuel Pump
 9 - 10 Amp
        Audio, Clock Illumination
10 - 10 Amp
        Air Conditioner, Time Control Unit, Theft Warning System
11 - 10 \text{ Amp}
        Door Mirror
12 - 15 Amp
        Cigarette Lighter
13 - 15 Amp
        Front Foglight
14 - Blank
15 - Blank
16 - 10 Amp
        Starting System, Electronic Control Computer System (ECCS),
        Clutch Interlock Relay (M/T Only), Daytime Light Unit (Canada
        Only)
17 - 10 Amp
        Hazard Warning
18 - 10 Amp
        Horn, Theft Warning System
19 - 10 Amp
        Taillights, Clearance Lights, License Plate Light, Side
        Marker Lights, Illumination Lights, Clock, Warning Chime
20 - Blank
21 - 10 Amp
        Combination Meter, Shift Lock System, Check Connector, Rear
        Window Defogger Relay, Power Antenna Timer, Blower Relay,
        Back-Up Light
22 - 10 Amp
        Turn Signal
23 - 10 Amp
        Electronic Control Computer System (ECCS)
24 - 20 Amp
        Stoplights
25 - 10 \text{ Amp}
        Interior Lights, Spotlights, Trunk Room Lights, Time Control
        Unit, Theft Warning System, Power Antenna Timer, Two-Point
        Motorized Automatic Seat Belt System
26 - 10 Amp
        Anti-Lock Braking System, Time Control Unit, Two-Point
        Motorized Automatic Seat Belt System, Automatic Speed Control
        Device (ASCD), Daytime Light Unit (Canada Only)
```

FUSIBLE LINK & ENGINE COMPARTMENT FUSE I.D. (1991-93)



Courtesy of Nissan Motor Co., U.S.A.

Fuse & Circuit Breaker Identification

1 - 15 Amp

Headlights

2 - 15 Amp

Daytime Light Unit (Canada Only)

3 - 10 Amp

Electronic Control Computer System (ECCS)

4 - 20 Amp

Anti-Lock Brake System

5 - 30 AMP (Fusible Link) Ignition Switch

6 - 30 AMP (Fusible Link)

Main Harness

7 - 25 AMP (Fusible Link)

ECCS

8 - 75 AMP (Fusible Link)

Alternator

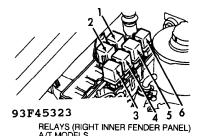
9 - 30 AMP (Fusible Link)

Radiator Fan System

10 - 30 AMP (Fusible Link)

ABS System Relay Box, ABS Control Unit

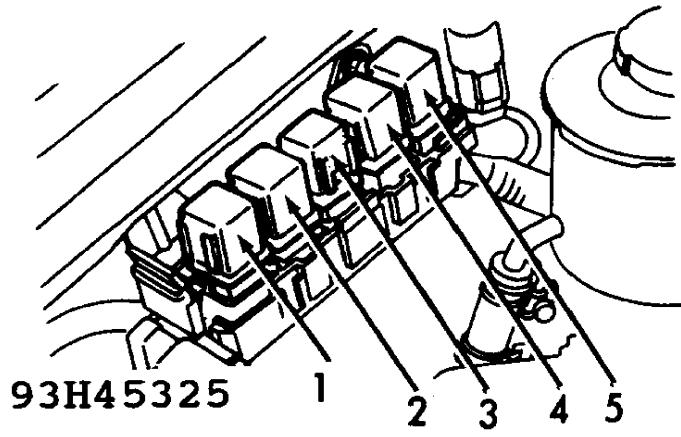
ENGINE COMPARTMENT RELAYS (RIGHT FENDERWELL - A/T MODELS)



Engine Compartment Relays (Right Fenderwell - A/T Models) Fig. 5: Courtesy of Nissan Motor Co., U.S.A.

Relay Identification

ENGINE COMPARTMENT RELAYS (RIGHT FENDERWELL - M/T MODELS)



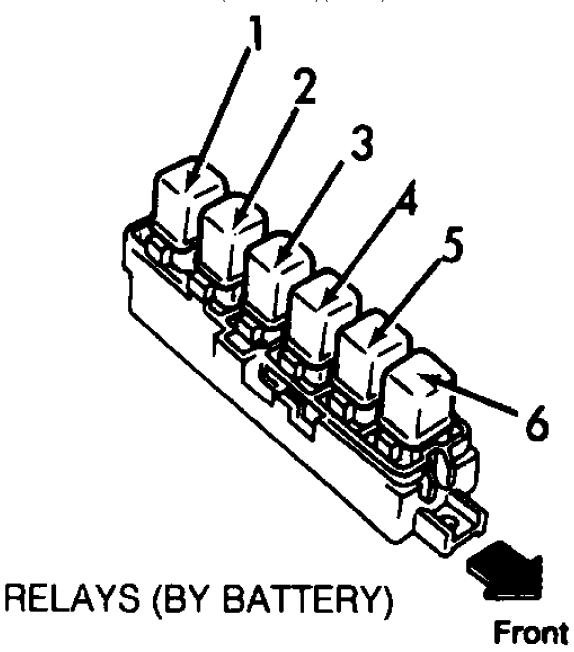
RELAYS (RIGHT INNER FENDER PANEL) M/T MODELS

Fig. 6: Engine Compartment Relays (Right Fenderwell - M/T Models) Courtesy of Nissan Motor Co., U.S.A.

Relay Identification

```
1 - Blue
         Air Conditioner Relay
2 - Blue
         Automatic Speed Control Device Hold Relay (ASCD)
3 - Gray
         Horn Relay
```

ENGINE COMPARTMENT RELAYS (BY BATTERY) (1991-93)

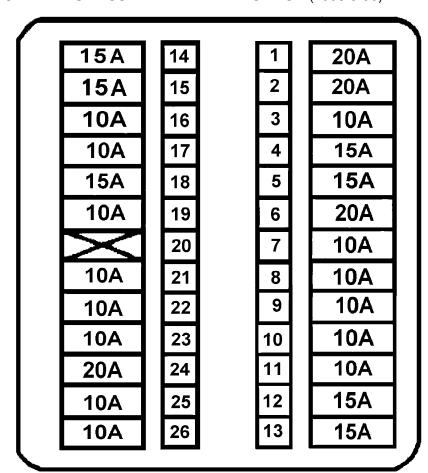


93G45324

Fig. 7: Engine Compartment Relays (By Battery) (1991-93) Courtesy of Nissan Motor Co., U.S.A.

```
1 - Green
      Fuel Pump Relay
2 - Blue (1991)
      Front Foglight Relay (M/T Models)
    Green (1992-93)
      ECCS Relay
3 - Brown (1991)
       Radiator Fan Relay - 2 (A/T Models)
    Brown (1992-93)
       Radiator Fan Relay - 2 (A/T Models)
    Blue (1992-93)
      Front Foglight Relay (M/T Models)
4 - Blue
       Radiator Fan Relay - 1
5 - Blue
       Clutch Interlock Relay (U.S. M/T Models)
    Blue
       Inhibitor Relay (A/T Models w/o ASCD)
    Gray
       Inhibitor Relay (A/T Models w/ASCD)
6 - Black
       Front Wiper Relay
```

UNDERDASH FUSE PANEL IDENTIFICATION (1993.5-96)



DASH PANEL FUSE BLOCK 50G11607

Fig. 8: Underdash Fuse Panel Identification (1993.5-96) Courtesy of Nissan Motor Co., U.S.A.

```
Fuse & Circuit Breaker Identification (1993.5-96)
 1 - 20 \text{ Amp}
        Rear Window Defogger
 2 - 20 Amp
        Rear Window Defogger
 3 - 10 \text{ Amp}
        Trunk & Fuel Filler Lid Opener, Multi-Remote Control System
 4 - 15 Amp
        Blower Motor
 5 - 15 Amp
        Blower Motor
 6 - 20 Amp
        Wiper & Washer
 7 - 10 Amp
        Electronic Control Computer System (ECCS), Bulb Check Relay,
        Theft Warning System, Radiator Fan System, Starting System,
        A/T Control System, A.S.C.D.
 8 - 10 Amp
        Air Bag System
 9 - 10 Amp
        Audio, Clock Illumination
10 - 10 Amp
        Air Conditioner, Time Control Unit, Theft Warning System
11 - 10 Amp
        Door Mirror
12 - 15 Amp
        Cigarette Lighter
13 - 15 Amp
        Front Foglight
14 - 15 \text{ Amp}
        Audio
15 - 15 Amp
        Fuel Pump
16 - 10 Amp
        Starting System, Electronic Control Computer System (ECCS),
        Clutch Interlock Relay (M/T Only), Daytime Light Unit (Canada
        Only), Theft Warning System
17 - 10 Amp
        Hazard Warning, Multi-Remote Control System
18 - 15 Amp
        Horn, A.S.C.D., Theft Warning System
19 - 10 Amp
        Taillights, Clearance Lights, License Plate Light, Side
        Marker Lights, Illumination Lights, Clock, Warning Chime
20 - Blank
21 - 10 Amp
        Combination Meter, Shift Lock System (A/T), Blower Relay,
        Data Link Connector (Check Connector), Back-Up Light,
        Rear Window Defogger Relay, Daytime Light Unit (Canada),
        A/T Control System, Power Antenna Timer, Seat Belt Relay,
        Heated Mirror Relay
22 - 10 Amp
        Turn Signal
23 - 10 Amp
        Electronic Control Computer System (ECCS)
24 - 20 Amp
        Stoplights, A.S.C.D, Shift Lock System, ABS System
```

Interior Lights, Spotlights, Trunk Room Lights, Time Control

Unit, Theft Warning System, Power Antenna Timer

26 - 10 Amp

Anti-Lock Braking System, Time Control Unit, Air Bag System, Automatic Speed Control Device (ASCD), Multi-Remote Control System, Daytime Light Unit (Canada Only)

FUSIBLE LINK & ENGINE COMPARTMENT FUSE I.D. (1993.5-96)

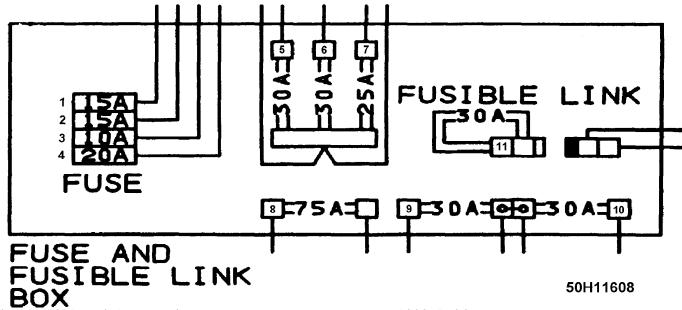
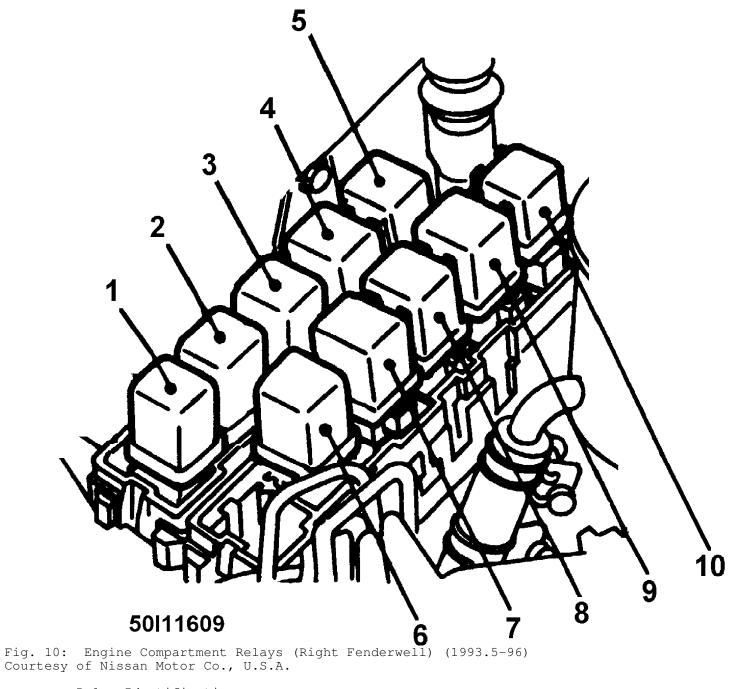


Fig. 9: Fusible Link & Engine Compartment Fuses I.D. (1993.5-96) Courtesy of Nissan Motor Co., U.S.A.

Fuse & Circuit Breaker Identification

- 7 25 AMP (Fusible Link) ECCS
- 8 75 AMP (Fusible Link)
- Alternator 9 30 AMP (Fusible Link)
- Radiator Fan System 10 - 30 AMP (Fusible Link)
- Radiator Fan System (Relay-3 A/T Models)
- 11 30 AMP (Fusible Link) ABS System Relay Box, ABS Control Unit

ENGINE COMPARTMENT RELAYS (RIGHT FENDERWELL) (1993.5-96)



Relay Identification

```
1 - Brown
      Radiator Ran Relay - 3
2 - Brown
      Horn Relay - 2
3 - Blue (M/T)
   Brown (A/T)
       Radiator Fan Relay
```

4 - Blue

Automatic Speed Control Device Hold Relay (ASCD)

5 - Blue

Front Foglight Relay 6 - Blue Air Conditioner Relay

7 - Blue

Daytime Light Relay (Canada)

8 - Blue

Heated Mirror Relay

9 - Brown

Theft Warning Relay - 1

10 - Gray

Horn Relay

ENGINE COMPARTMENT RELAYS (BY BATTERY) (1993.5-96)

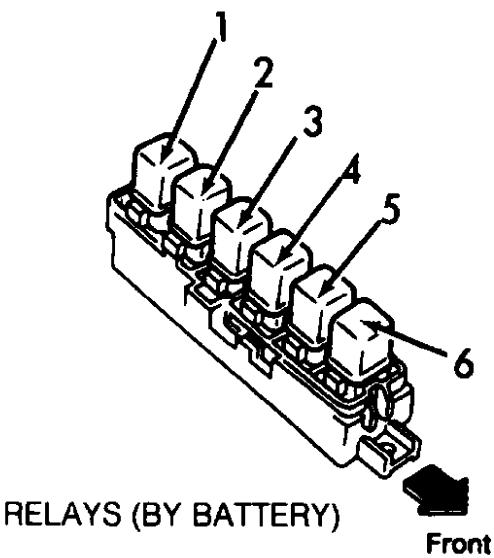


Fig. 11: Engine Compartment Relays (By Battery) (1993.5-96) Courtesy of Nissan Motor Co., U.S.A.