DATSUN 280Z

SERVICE MANUAL

MODEL 130 SERIES

NISSAN

NISSAN MOTOR CO., LTD.
TOKYO, JAPAN

QUICK REFERENCE INDEX

GENERAL INFORMATION ..... GI
ENGINE TUNE-UP ..... ET
ENGINE MECHANICAL ..... EM
ENGINE LUBRICATION SYSTEM ..... EL
COOLING SYSTEM ..... CO
ENGINE FUEL ..... EF
MISSION CONTROL SYSTEM ..... EC
ENGINE ELECTRICAL SYSTEM ..... EE
ENGINE REMOVAL & INSTALLS! ..... ER
CLUTCH CL
TRANSMISSION ..... TM
AUTOMATIC TRANSMISSION ..... AT
PROPELLER SHAFT I DIFFERENTIAL CARRIER ..... PD
FIONT AXLE I FRONT-SUSPENSION'. ..... FA
REAR AXLE & REAR SUSPENSION ..... RA
BRAKE SYSTEM ..... BR
WHEEL AND TIRE ..... WT
STEERING SYSTEM ..... ST
ENGINE CONTROL, FUEL & EXHAUST SYSTEMSFE
BODY ..... BF
BODY ELECTRICAL SYSTEM ..... BE
AIR CONDITIONING ..... AC
SERVICE EQUIPMENT ..... SE

FOREWORD

This service manual has been prepared for the purpose of assisting service personnel of authorized NISSAN/DATSUN dealers in providing effective service and maintenance of the 1975 Datsun280Z.

Since proper maintenance and service are absolutely essential in satisfying the Datsun owners, this manual should be kept in a handy place for ready reference and should be carefully studied.

This manual includes procedures for maintenance adjustments, minor service operations, removal and installation, and for disassembly and assembly of components.

Some of these service operations require the use of Special Tools especially designed for effective performance of service operations.

The special tools are presented in the "SE" section.

As you read through the maintenance procedures in this service manual, you will occasionally come across paragraphs headed NOTE or CAUTION. A NOTE is supplemental information that is important to a particular procedure. CAUTION warns of steps that must be followed to prevent personal injury and/or damage to some part of your DATSUN.

The Quick Reference Index on the first page enables the user to quickly locate the desired section. At the beginning of each individual section is a table of contents, which gives the page number on which each major subject begins. An index is placed at the beginning of each major subject within the section.

All information, illustrations and specifications contained in this manual are based on the latest product information available at the time of publication approval.

Rights for alteration at any time of specifications and methods are reserved.

Liability for any personal injury or property damage occasioned by the use of this t service manual in effecting maintenance or repair of your Datsun is in no way assumed b] Nissan Motor Co., Ltd.

Accordingly, anyone using a service procedure or tool which is not specificall recommended by Nissan must first completely satisfy himself that neither his safety no the car's safety will be jeopardized by the service method selected.

NISSAN MOTOR CO., LTD
TOKYO, JAPAN

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r^IODEL S30 SERIES

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SECTION GI

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GENERAL INFORMATION

MODEL VARIATION ..... GI- 2

IDENTIFICATION NUMBERS ..... GI- 3

APPROXIMATE REFILL CAPACITIES .....

RECOMMENDED PETROL (FUEL) .....

RECOMMENDED LUBRICANTS ..... GI- 4

LIFTING POINTS AND TOWING .....

MODEL VARIATION

Destination		Class	Model	Engine	Transmission model	Tire size	Differential gear carrier	
							Model	Gear ratio
U.S.A.	All areas except California	2-seater	HLS30U	L28	F4W71B	175HR-14 195/70HR 14*	R200	3.545
			HLS30AU		3N71B			
		2 + 2-seater	GHLS30U		F4W71B			
			GHLS30AU		3N71B			
	California	2-seater	HLS30UV		F4W71B			
			HLS30AUV		3N71B			
		2 + 2-seater	GHLS30UV		F4W71B			
			GHLS30AUV		3N71B			
Canada		2-seater	HLS30UN		F4W71B			
			HLS30AUN		3N71B			
		2 + 2-seater	GHLS30UN		F4W71B			
			GHLS30AUN		3N71B			

Items with an asterisk "*": Optional equipment

G H L S 3 0 A U N V C

- Air conditioner
- For California only
- For Canada only
- For U.S.A. and Canada
- Automatic transmission model
- Left hand drive
- L28 engine
- 2 + 2 seater model

IDENTIFICATION NUMBERS

The unit and car numbers are stamped and registered at the factory.

The engine and car identification numbers are used on legal documents.

These numbers are used for factory communication such as Technical Report, Warranty Claim, Service Journal and other information.

CAR IDENTIFICATION PLATE

The car identification plate is located on the left hoodledge panel at the back of strut housing.

The plate contains the car type, engine capacity, maximum horsepower, wheelbase and engine and car serial numbers.

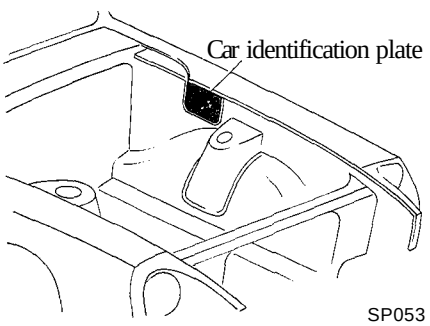
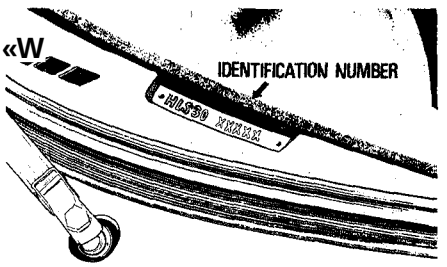


Fig. GI-1 Car identification plate location

CAR SERIAL NUMBER

The car serial number is stamped on the instrument panel and can be seen from outside. The car number consists of the car model and the serial number.

(HLS30-XXXXX)



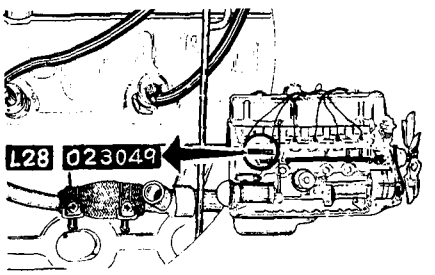
GI198

Fig. GI-2 Car serial number location

ENGINE SERIAL NUMBER

The engine serial number is stamped on the right side of the cylinder block.

The number is broken down as shown in the following Figure GI-3.

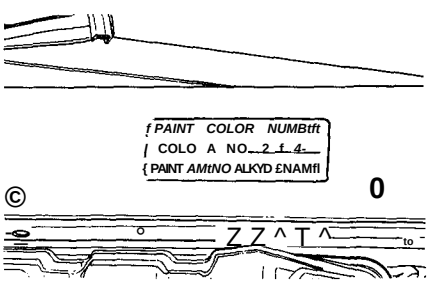


GI199

Fig. GI-3 Engine serial number location

COLOR CODE NUMBER LABEL

The body color number plate is attached on the top face of radiator core support.



GI200

Fig. GI-4 Body color number location

BODY AND UPHOLSTERY COLORS

Body color number		Body color	Upholstery color
1.	110*	Red	Black, Beige
2.	214	Brown Metallic	Black, Coffee Brown
3.	301	Bronze Metallic	Black, Coffee Brown
4.	302	Leaf Green Metallic	Black, Beige, Coffee Brown
5.	303	Green Metallic	Black, Beige, Coffee Brown
6.	304	Gold Metallic	Black, Beige, Coffee Brown
7.	305	Light Blue Metallic	Black, Beige
8.	306	Silver Metallic	Black
9.	307	Blue Metallic	Black, Beige
10.	904*	White	Black

Notes: a. Paint finish consists of two coats and one bake except for those marked with an asterisk, which indicates one coat and one bake.

b. The black-cloth upholstery color is optionally available for all body colors on Canada models.

APPROXIMATE REFILL CAPACITIES

		Liters	U.S. measure	Imper. measure
Fuel tank		65	17 X gal.	14 *Yi* gal.
Engine cooling system (with heater)		8.6 (9.4)	9 X qt. (10 qt.)	7 %qt. (8 y_K qt.)
Engine crankcase	*2	4.7	5 qt.	4>£qt.
Transmission case	Manual	1.5	3 Kpt.	2 Kpt.
	Automatic	5.5	5 Kqt.	4Kqt.
Differential case		1.3	2 y_K pt.	2 Kpt.

*1 Includes 0.8 liter @4 U.S.gal., H Imper. gal.) required for heater.
*2 Includes 0.7 liter (1 % U.S.pt., 1 ^lA Imper. pt.) required for oil filter replacement.

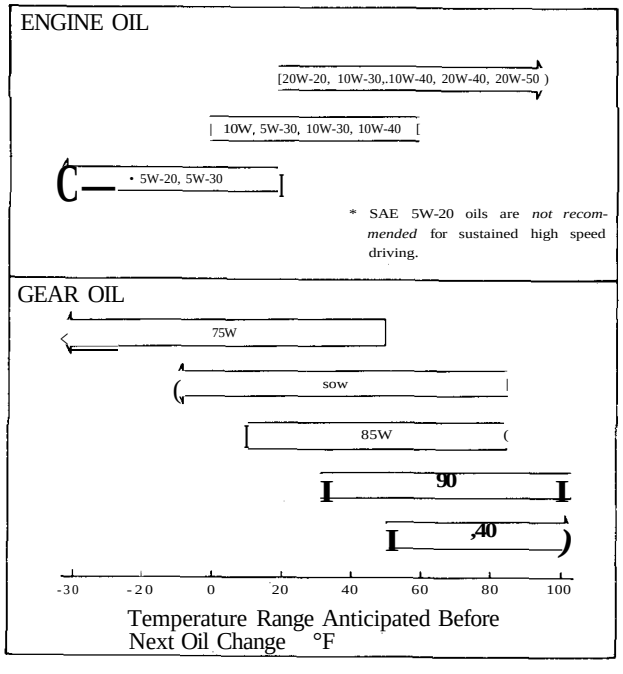
RECOMMENDED PETROL (Fuel)

Use an unleaded or low-lead gasoline with a minimum octane rating of 91 RON (Research Octane Number).

For cars which meet the California regulations (California Models), use only unleaded gasoline to protect the catalytic converter from contamination.

RECOMMENDED LUBRICANTS

RECOMMENDED SAE VISCOSITY NUMBER



LUBRICANT SPECIFICATION

(For U.S.A. and Canada) from June 1, 1972.

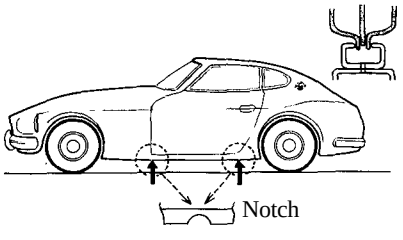
Item		Specifications	Remarks
Gasoline engine oil		SAE Classification SD or SE	Furthermore refer to SAE recommended viscosity table. See Page 4.
Gear oil	Transmission and steering	API GL-4	———
	Differential	API GL-5	———
Automatic T/M fluid		Type DEXRON	———
Multipurpose grease		NLGI2	Lithium soap base
Brake and clutch fluid		DOT 3	———
Antifreeze		———	Permanent anti-freeze (Ethylene glycol base)

LIFTING POINTS AND TOWING

JACK UP

PANTOGRAPH JACK

Place a jack under the position where sill flange is cut for identification. Do not jack up other positions.



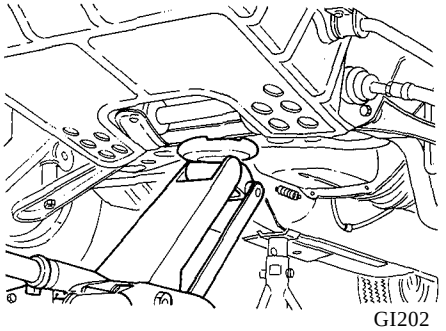
GI201

Fig. GI-5 Jacking point

GARAGE JACK

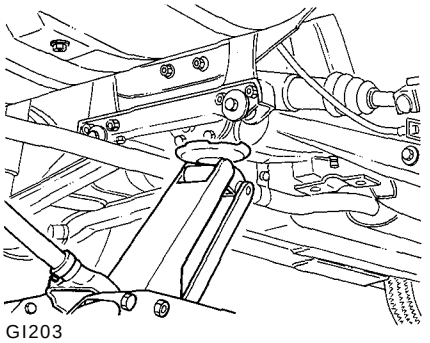
The front jacking point is center of front suspension member and rear is differential gear carrier.

Do not place a jack on the center portion of front suspension transverse link.



GI202

Fig. GI-6 Front jacking point

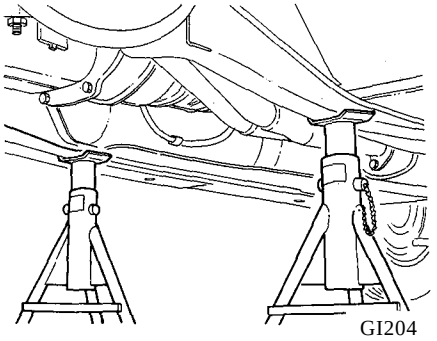


GI203

Fig. GI-7 Rear jacking point

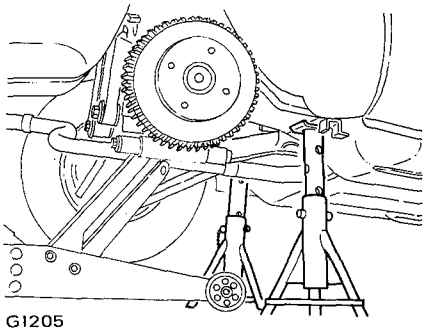
SUPPORTABLE POINT

Front supportable points for stand are both front side members. Rear supportable points are on both sides of front differential mounting cross-member.



GI204

Fig. GI-8 Front supportable point



GI205

Fig. GI-9 Rear supportable point

TOWING

WARNING

Only front hooks may be used for towing purposes. When front hooks are used for towing, remove front apron and front fender front to prevent possible interference with towing rope.

Do not use rear hooks for towing, as these have been designed as tie-down hooks and are not strong enough to stand up to towing.

Be sure to remove rear hooks before delivery of car. If rear hooks are not removed, they may cause interference with rear safety bumper and spoil its rear end collision safety performance.

MANUAL TRANSMISSION MODEL

When car is to be towed forward, connect a rope securely to hook attached to front side member.

Before towing, make sure parking brake is released and transmission is in Neutral. See Figure GI-10.

Caution: Always pull the rope in a straight direction with respect to hook.

Do not apply force to hook in side directions.

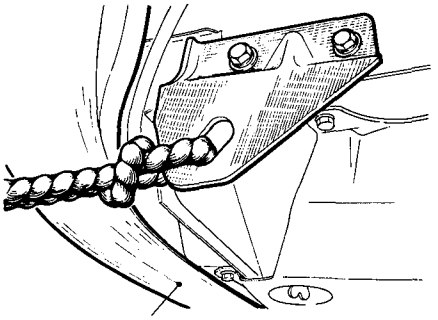


Fig. GI-10 Front towing point

AUTOMATIC TRANSMISSION MODEL

Car may be towed safely on its rear wheels on the ground with select lever in "N" (Neutral) position of at speeds of less than 20 MPH (32 km/h). However, propeller shaft must be disconnected or car must be towed on its front wheels on the ground under the following conditions:

1. Tow speed of more than 20 MPH (32 km/h).
2. Car must be towed for a long distance (over 6 miles or 10 km).
3. Transmission is not operating properly.

If car is towed on its front wheels on the ground, steering wheel should be secured to maintain a straight ahead position.

TIE-DOWN HOOK

There are four tie-down hooks. Two of them are located on front side members, and the other two on rear panel.

Front tie-down hook attached to either side member is also used as a towing hook.

Note: When fastening chains to rear transverse link, wrap them around link to avoid interfering with any adjacent parts.

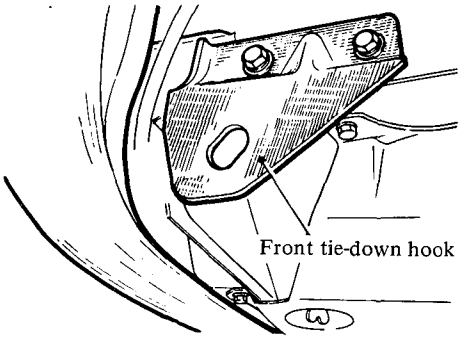


Fig. GI-11 Front tie-down hook

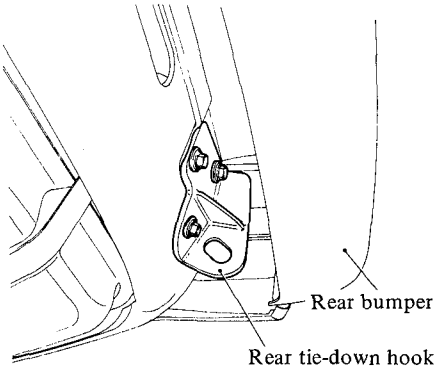


Fig. GI-12 Rear tie-down hook