DATSUN 240Z

SERVICE MANUAL

MODEL S30 SERIES





NISSAN MOTOR CO., LTD.
TOKYO, JAPAN

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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 1973 DATSUN 240Z.

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

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

The Quick Reference Index on the first page enable the reader 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. A index is placed at the beginning of each major subject within the section.

Special Tools required for servicing are presented in the "SE" section.

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

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NISSAN MOTOR CO., LTD.
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GI

SECTION GI

GENERAL INFORMATION

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MODEL VARIATION

Models	Engine type	Transmission type-speed	Final gear ratio	Tire size	Remarks
HLS30U	L24	F4W71B-4	3.364	175HR-14	Except Canada
HLS30UN					Canada only
HLS30AU		3N71B-3	3.545		Except Canada
HLS30AUN					Canada only

IDENTIFICATION NUMBERS

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

The engine and vehicle 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 right hand panel of the hood ledge.

The plate contains the vehicle type, engine capacity, max. horse-power, wheelbase and engine and car serial numbers.

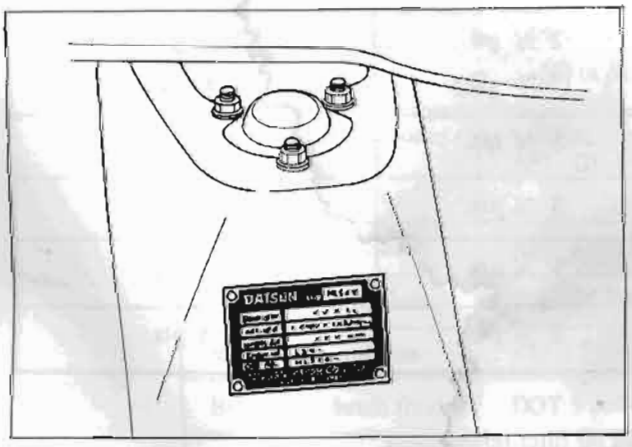


Fig. GI-1 Car identification plate location

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 vehicle model and the serial number.

(HLS30-XXXXX)



Fig. GI-2 Car serial number location

Engine serial number

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

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

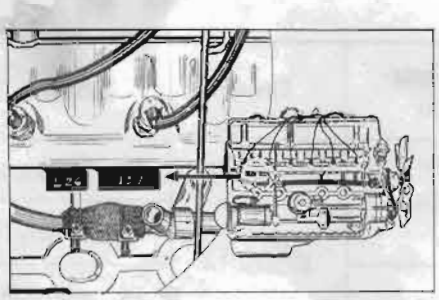


Fig. GI-3 Engine serial number location

Color code number label

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



Fig. GI-4 Body color number location

Body color number		Body color
1	110	Red
2	112	Yellow
3	113	Green Metallic
4	114	Brown Metallic
5	115	Blue Metallic
6	901	Silver Metallic
7	904	White (except Canada)
8	918	Orange

APPROXIMATE REFILL CAPACITIES

		Liters	U.S. Measure	Imper. Measure
Fuel tank		60	15 7/8 gal.	13 1/4 gal.
Engine cooling sytem (with heater)	*1	9.1 (9.9)	2 3/8 gal. (2 5/8 gal.)	2 gal. (2 1/8 gal.)
Engine crank case	*2	4.9	5 1/8 qts.	4 3/8 qts.
Transmission case	Manual	1.5	3 1/8 pts.	2 5/8 pts.
	Automatic	5.5	5 7/8 qts.	4 7/8 qts.
Differential case		1.0	2 1/8 pts.	1 3/4 pts.

*1 Includes 0.8 liter (1/4 U.S.gal, 1/8 Imp.gal) required for heater.

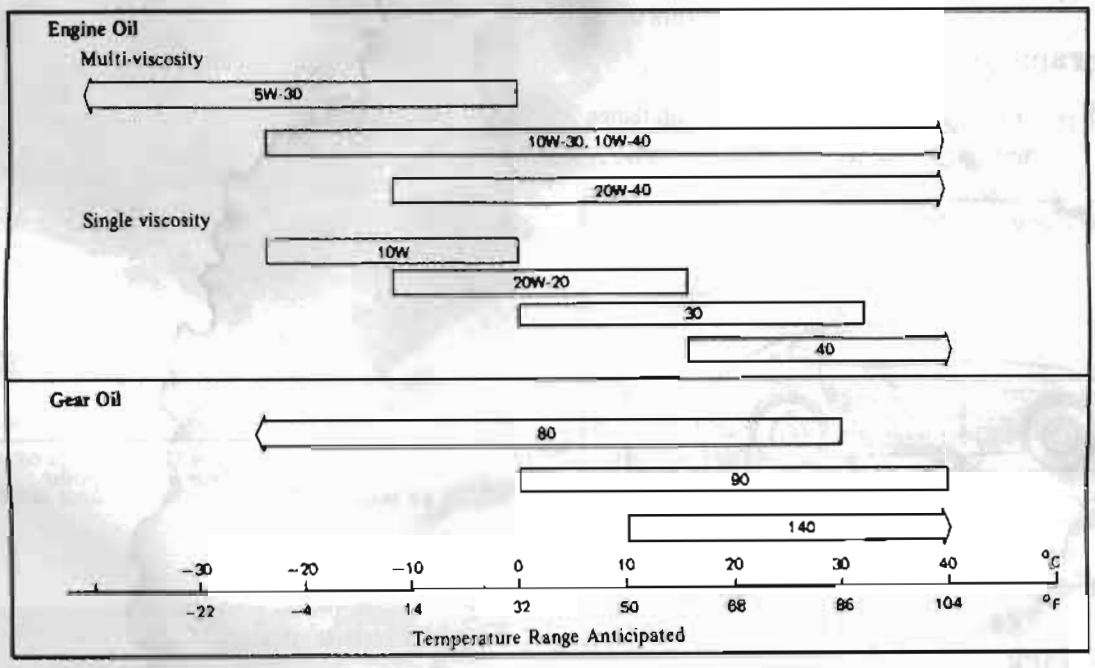
*2 Includes 0.9 liter (1 5/8 U.S.pts., 1 5/8 Imp.pts.) required for oil filter replacement.

RECOMMENDED PETROL (FUEL)

Use a no-lead or low-lead gasoline with a minimum octane rating of 87 – the average of the Research and Motor Octane Numbers in the U.S. When the figure is based on the Research Octane Number, use a gasoline with a minimum octane rating of 91 (RON) in Canada.

RECOMMENDED LUBRICANTS

RECOMMENDED SAE VISCOSITY NUMBER



LUBRICANT SPECIFICATION

Item		Specifications	Remarks
Gasoline engine oil		SAE Classification SD or SE	
Gear oil	Transmission and steering	API GL-4	
	Differential	API GL-5	
Automatic T/M fluid		Type DEXRON	
Multipurpose grease		NLGI 2	Lithium soap base
Brake and clutch fluid		DOT 3	
Antifreeze coolant		(Long Life Coolant)	

LIFTING POINTS AND TOWING

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JACK UP

Pantograph jack

Apply a jack to the indicated position where sill flange is cut for identification. Do not jack up other position.

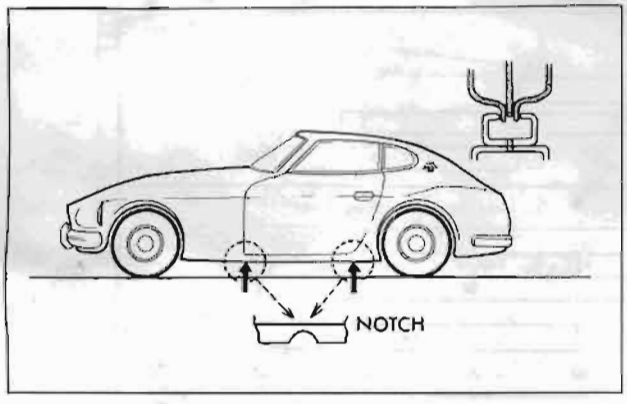


Fig. GI-5 Jacking point

Garage jack

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

Do not apply a jack to center portion of front suspension transverse link.

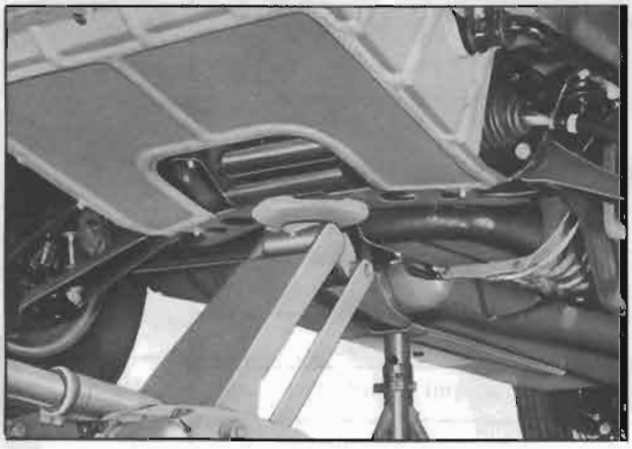


Fig. GI-6 Front jacking point



Fig. GI-7 Rear jacking point

Supportable point

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

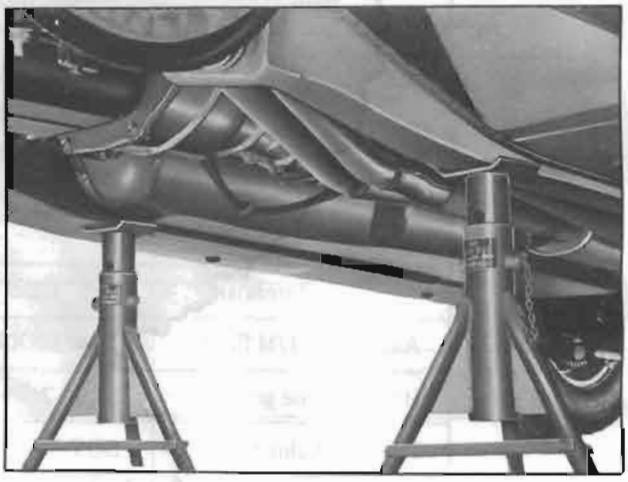


Fig. GI-8 Front supportable point

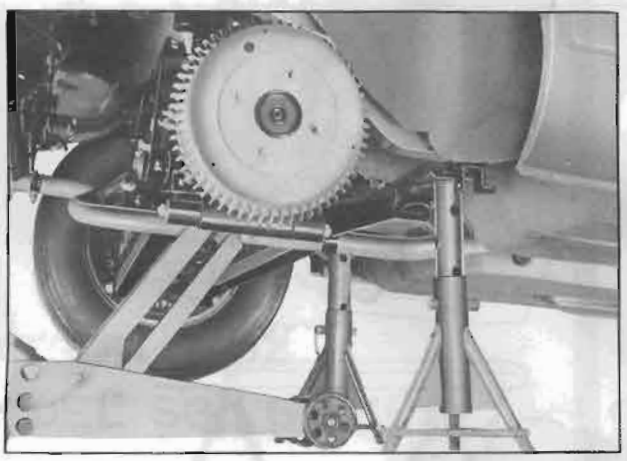


Fig. GI-9 Rear supportable point

TOWING

Manual transmission model

Tow forward at hook as shown in Figure GI-10. Do not tow at front suspension member or transverse link. Be careful not to apply impact load to the hook.

Admittable load of hook is less than 1,000 kg (2,205 lb).

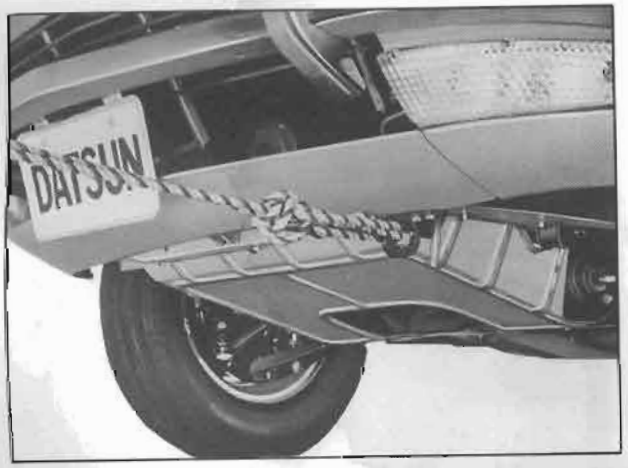


Fig. GI-10 Front towing point

Automatic transmission model

The car may be towed safely on its rear wheels on the ground with the select lever in "N" (Neutral) position of at speeds of less than 18.8 MPH (30 km/h). However, the propeller shaft must be disconnected or the car must be towed on its front wheels in the ground under the following conditions:

1. Tow speed of more than 18.8 MPH (30 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, the steering wheel should be secured to maintain a straight ahead position.

TIE-DOWN

There are four tie-down hooks. Two of them are located on the front side members, and two others on the rear cross members. The one on the left front side member is also used as a towing hook.

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

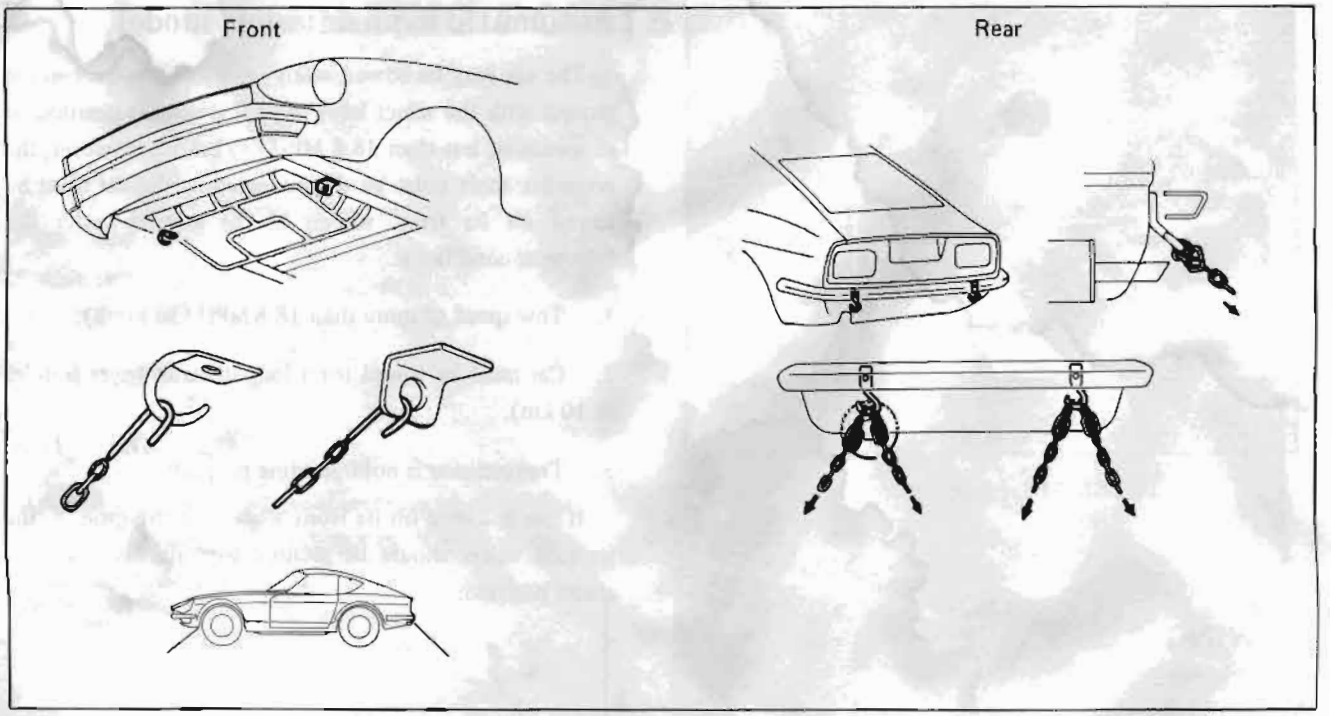


Fig. GI-11 Tie-down