

SERVICE MANUAL

DATSUN 240Z SPORTS
MODEL S30 SERIES
CHASSIS & BODY



NISSAN MOTOR CO., LTD.
TOKYO, JAPAN

SECTION TM TRANSMISSION

TM

TRANSMISSION TM- 1

TRANSMISSION

TRANSMISSION

CONTENTS

| | | | |
|--------------------------------|------|------------------------|------|
| Specifications | TM-1 | AUTOMATIC TRANSMISSION | |
| MANUAL TRANSMISSION | | (model 3N71B) | TM-2 |
| (models F4W71B and FS5C71B) .. | TM-2 | Removal | TM-2 |
| Removal | TM-2 | Installation | TM-3 |
| Installation | TM-2 | | |

The F4W71B transmission is of a Warner, synchromesh design which provides 4-forward and 1-reverse speeds. The FS5C71B transmission is of a synchromesh, servo type which provides 5-forward and 1-reverse speeds.

The automatic transmission is a 3N71B transmission.

This section covers the information on the removal and installation of these transmissions. The information regarding the disassembly, assembly, adjustment, etc. is included in the service manual separately prepared for each transmission model.

Specifications

| Model | | HLS30U | HS30U, HLS30, HS30Q, HLS30Q | HLS30AU, HS30AU HLS30A |
|------------------|------|-----------------------------------|-----------------------------------|-----------------------------------|
| Destined for | | U.S.A. and CANADA | Except U.S.A. and CANADA | Except EUROPE |
| Type | | F4W71B | FS5C71B | 3N71B |
| Gear ratio | 1st | 3.592 | 2.906 | 2.458 |
| | 2nd | 2.246 | 1.902 | 1.458 |
| | 3rd | 1.415 | 1.308 | 1.000 |
| | 4th | 1.000 | 1.000 | — |
| | 5th | — | 0.864 | — |
| | Rev. | 3.657 | 3.820 | 2.182 |
| Torque ratio | | — | — | 2.0 |
| Final gear ratio | | 3.364 | 3.900 | 3.545 |
| Oil capacity | | 1.5 l (0.4 US gal, 0.3 UK gal) | 1.5 l (0.4 US gal, 0.3 UK gal) | 5.5 l (1.5 US gal, 1.2 UK gal) |

MANUAL TRANSMISSION

(Models F4W71B and FS5C71B)

REMOVAL

1. Jack up the vehicle and support it with stands in a safe manner. Recommend a hydraulic hoist or open pit be utilized, if available.
2. Disconnect the battery terminals.
3. Disconnect the accelerator control from the carburetor linkage.
4. Unscrew the drain plug to drain gear oil (if necessary).
5. Remove the front exhaust tube.
6. Disconnect wire connection at the reverse lamp switch.
7. Remove the clutch operating cylinder from the clutch housing.
8. Disconnect the speedometer cable from the rear extension housing
9. Remove the propeller shaft.

Note: Plug the rear extension opening with a suitable cap to prevent oil from flowing out.

10. Support the engine by placing a jack beneath the oil pan with a wooden block. Do not place the jack on the drain plug.
11. Support the transmission with the transmission jack.
12. Remove the nut attaching the mounting spring to the rear engine mounting insulator. Also remove two crossmember attaching bolts and then remove crossmember with the mounting spring.

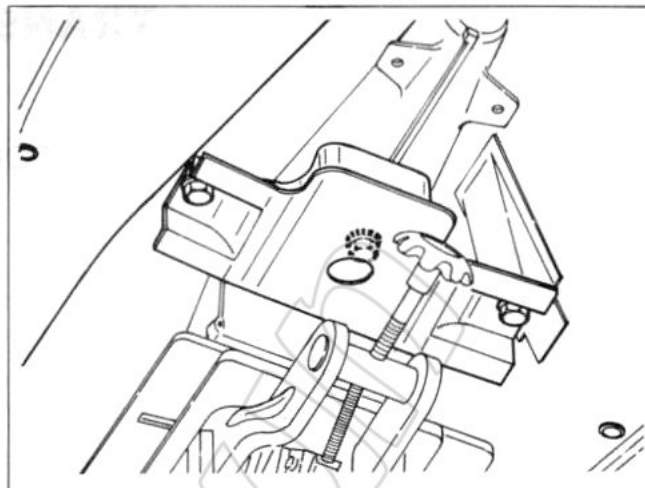


Fig. TM-1 Removing crossmember

13. Lower the jack gradually until the transmission can be taken out.
14. Remove starter motor.
15. Remove bolts attaching the clutch housing to the engine. Draw off the transmission rearward.

Note: Since the engine needs to be tilted use care not to force adjacent or surrounding parts or transmission main drive shaft.

Installation

Remount transmission in reverse sequence of dismounting.

AUTOMATIC TRANSMISSION

(Model 3N71B)

Removal

1. Jack up the vehicle and support it with stands. Recommend a hydraulic hoist or open pit be utilized, if available.
2. Disconnect the battery terminals.
3. Disconnect the accelerator control from the carburetor linkage.
4. Remove the front exhaust tube.
5. Disconnect wire connections at the inhibitor switch and shift down solenoid.

SERVICE JOURNAL OR BULLETIN REFERENCE

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