SERVICE MANUAL

DATSUN 240Z SPORTS
MODEL S30 SERIES

CHASSIS & BODY



NISSAN

NISSAN MOTOR CO., LTD.
TOKYO, JAPAN

SECTION TM

TRANSMISSION

TM

TRANSMISSION ..... TM- 1

TRANSMISSION

CONTENTS

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

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.

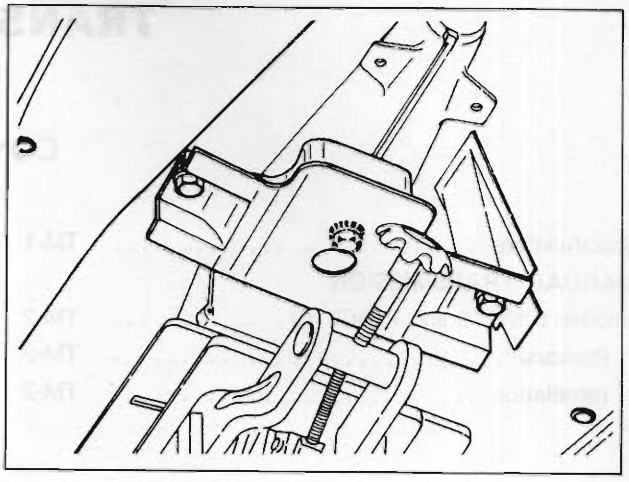


Fig. TM-1 Removing crossmember

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.

6. Disconnect the vacuum tube from the vacuum diaphragm. Also disconnect both inlet and outlet oil cooler tubes.

7. Disconnect the select rod from the select lever.

8. Disconnect the speedometer cable from the rear extension housing.

9. Remove propeller shaft.

10. Support the engine by applying a jack beneath the oil pan with a wooden block, being careful not to apply the jack on the drain plug.

11. Remove the clutch housing dust cover and remove bolts attaching the torque converter to the drive plate. Prior to removing the torque converter from the drive plate, scribe aligning mark across the torque converter and drive plate.

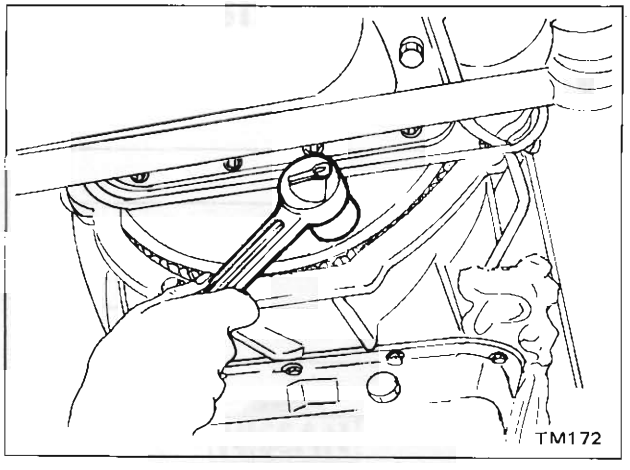


Fig. TM-2 Removing torque converter attaching bolt

12. Remove two bolts attaching the transmission to the rear engine mounting insulators. Also remove four cross member attaching bolts and then remove crossmember with the mounting spring.

13. Lower the jack gradually until the transmission can be drawn off.

14. Remove starter motor.

15. Remove bolts attaching the clutch housing to the engine. Draw off the transmission rearward.

Installation

Remount transmission in reverse sequence of dismounting.

SERVICE JOURNAL OR BULLETIN REFERENCE

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