

TRANSMISSION REMOVAL & INSTALLATION - AT

1993 Nissan Sentra

1991-94 TRANSMISSION SERVICING
Nissan - Transmission Removal & Installation
Sentra

AUTOMATIC

REMOVAL

1) Remove battery and battery bracket. Remove air cleaner and airflow meter. Disconnect starter motor wiring. Remove starter. Disconnect electrical connectors, control cables, shift linkage and hoses as necessary for removal. Raise and support vehicle. Drain transaxle fluid.

2) Remove front axle shafts. See the AXLE SHAFTS article in the DRIVE AXLES section. Remove bolts securing front exhaust pipe brackets (if necessary). Remove dust cover. Index mark torque converter in reference to drive plate. Remove torque converter bolts.

3) Support engine. Set transaxle jack under transaxle. Remove transaxle mounts. Remove engine-to-transaxle bolts. Carefully lower transaxle.

INSTALLATION

1) Before installing torque converter, measure drive plate runout with a dial indicator. If runout exceeds .020" (.5 mm), replace drive plate. Install torque converter into transaxle, aligning index marks made during removal.

2) Ensure torque converter is seated by measuring distance from drive plate mounting pad to engine mating surface of transaxle. If distance is not as specified, torque converter is not seated. See the DRIVE PLATE MOUNTING PAD DEPTH table.

3) To complete installation, reverse removal procedure. Apply sealant to torque converter bolts before installing bolts. Rotate crankshaft several times to ensure torque converter moves freely without binding. Tighten nuts and bolts to specification. Refer to the TORQUE SPECIFICATIONS table.

DRIVE PLATE MOUNTING PAD DEPTH TABLE

| Application | In. (mm) |
|-------------|----------|
| 1.6L | .83 (21) |
| 2.0L | .63 (16) |

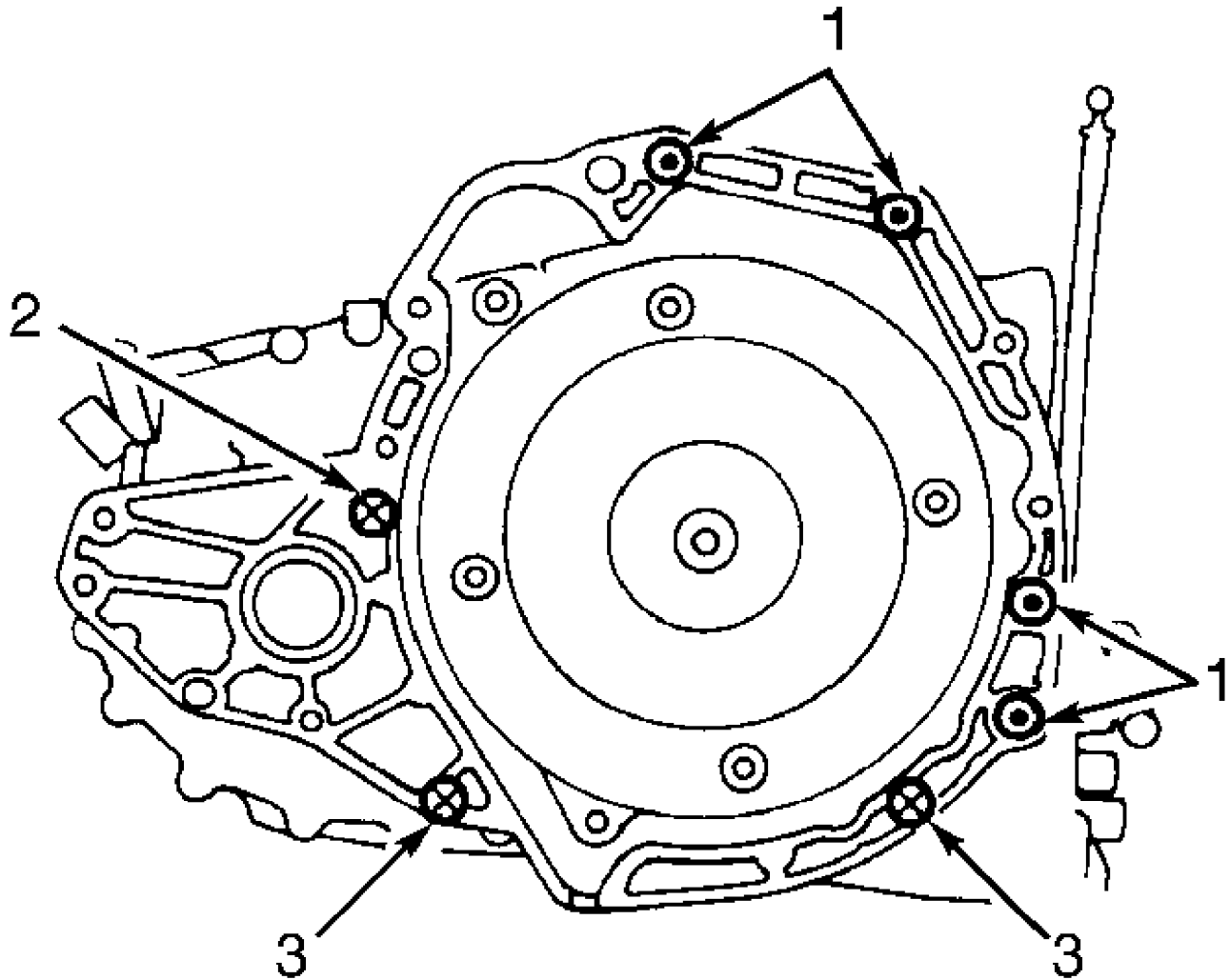
TORQUE SPECIFICATIONS

TORQUE SPECIFICATIONS TABLE

| Application | Ft. Lbs. (N.m) |
|--------------------------------|-------------------|
| Brake Caliper Mount Bolt | 40-47 (54-64) |
| Engine-To-Transaxle Bolt | |
| RL4F03A Transaxle | |
| Bolts No. 1 & 2 | (1) 22-30 (30-41) |
| Bolt No. 3 | (1) 12-15 (16-21) |
| RL4F03V Transaxle | |

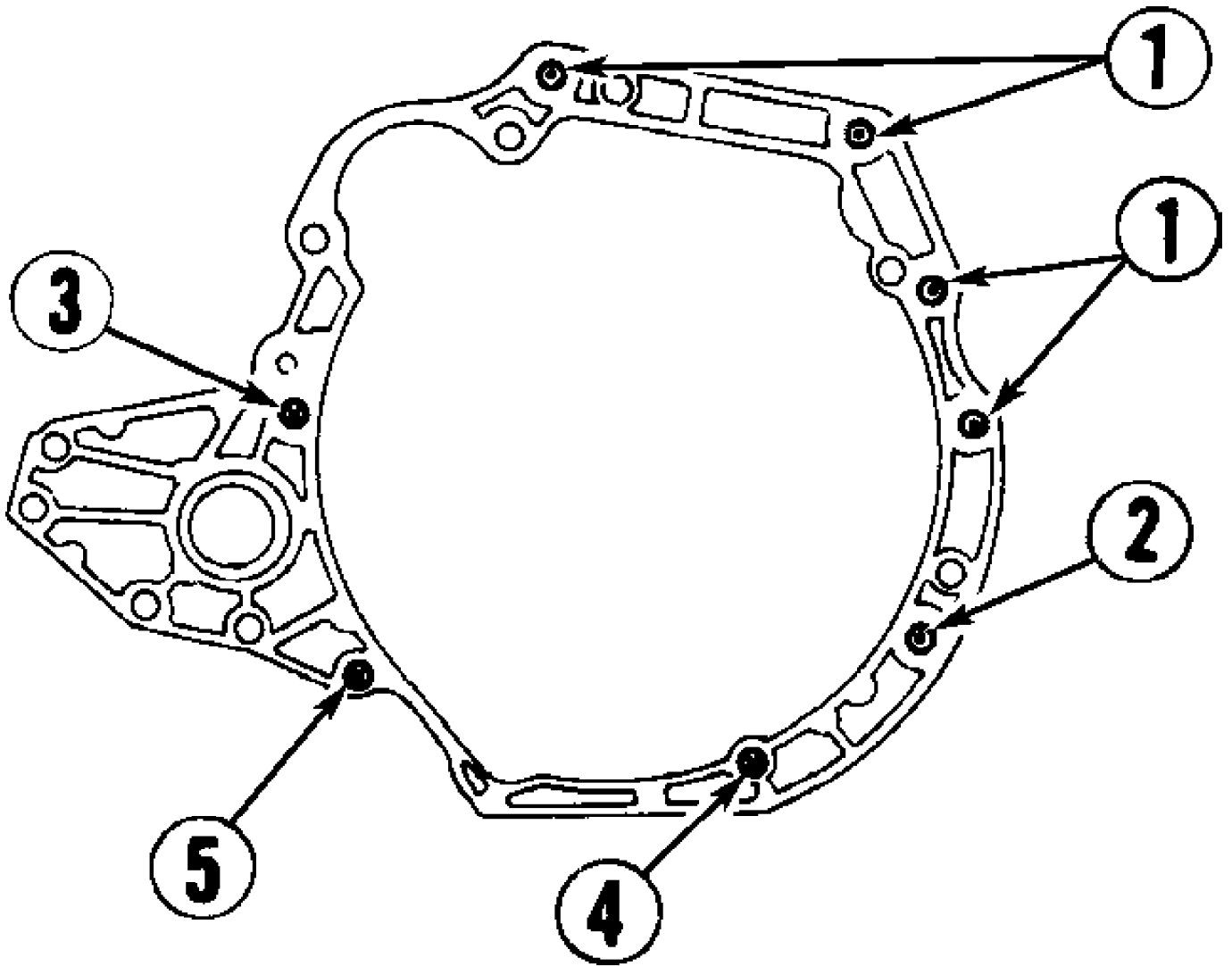
| | | | |
|---------------------------------------|-----|---------|-----------|
| Bolts No. 1, 2 & 3 | (2) | 51-59 | (70-79) |
| Bolts No. 4 & 5 | (2) | 12-15 | (16-21) |
| Gusset-To-Engine Bolt | | | |
| Front | | 22-30 | (30-41) |
| Rear | | 12-15 | (16-21) |
| Knuckle-To-Strut Bolt/Nut | | 84-98 | (114-133) |
| Lower Ball Joint-To-Knuckle Nut | | 43-54 | (58-73) |
| Tie Rod Ball Joint Nut | | 22-29 | (30-39) |
| Torque Converter Bolt | | 29-36 | (39-49) |
| Wheel Bearing Lock Nut | | 145-203 | (197-275) |
| Wheel Lug Nut | | 72-87 | (98-118) |

(1) - See Fig. 1.
(2) - See Fig. 2.



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Fig. 1: Identifying Engine-To-Transaxle Bolts (RL4F03A Transaxle)
Courtesy of Nissan Motor Co., U.S.A.



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Fig. 2: Identifying Engine-To-Transaxle Bolts (RL4F03V Transaxle)
Courtesy of Nissan Motor Co., U.S.A.