

TRANSMISSION REMOVAL & INSTALLATION - M/T

1993 Nissan Sentra

1993 MANUAL TRANSMISSION REMOVAL & INSTALLATION
Nissan

Sentra

REMOVAL & INSTALLATION

CAUTION: When battery is disconnected, vehicle computer and memory systems may lose memory data. Driveability problems may exist until computer systems have completed a relearn cycle. See the COMPUTER RELEARN PROCEDURES article in the GENERAL INFORMATION section.

REMOVAL

1) Remove battery and battery holder plate. Remove air cleaner and airflow meter. Disconnect clutch cable or remove clutch slave cylinder. Disconnect speedometer cable and electrical connectors.

2) Remove starter. Disconnect shift control rod, and shift support rod from transaxle. Drain transaxle gear oil. Remove front wheels. Remove drive axles. See AXLE SHAFTS article in DRIVE AXLES.

3) Support rear of engine using jack. Remove left and rear engine mounts. Support transaxle using jack. Remove transaxle-to-engine bolts. Remove transaxle. Loosen pressure plate bolts in crisscross pattern. Remove disc and pressure plate.

NOTE: All components except clutch disc and release bearing can be cleaned in solvent.

INSTALLATION

1) Lubricate input shaft splines and contact surfaces of release fork and bearing. Ensure disc slides easily on splines. Remove excess grease from components. Install clutch assembly, ensuring clutch is aligned with appropriate-sized clutch aligner.

2) Tighten bolts evenly in a diagonal pattern to specification. See TORQUE SPECIFICATIONS. Install transaxle in reverse order of removal. Fill transaxle with gear oil. Adjust clutch pedal height and free play. See CLUTCH PEDAL HEIGHT and CLUTCH PEDAL FREE PLAY under ADJUSTMENTS in the CLUTCH article in the CLUTCHES section.

TORQUE SPECIFICATIONS

TORQUE SPECIFICATIONS TABLE

Application	Ft. Lbs. (N.m)
Clutch Pedal Stopper Lock Nut	12-16 (16-22)
Flywheel-To-Crankshaft Bolt	61-69 (83-94)
Pressure Plate-To-Flywheel Bolt (1)	16-22 (22-30)
Slave Cylinder Mounting Bolt	22-30 (30-41)
Starter Motor Bolt	
1.6L	22-30 (30-41)
2.0L	30-38 (41-52)
Transaxle-To-Engine Bolt	
1.6L	
Small Diameter	12-15 (16-20)

Large Diameter		22-30 (30-41)
2.0L		
Small Diameter		22-30 (30-41)
Large Diameter		51-59 (69-80)

INCH Lbs. (N.m)

Clutch Interlock Switch Lock Nut		106-133 (12-15)
Cruise Control Switch Lock Nut		106-133 (12-15)
Master Cylinder Mounting Nut		71-97 (8-11)
Slave Cylinder Bleeder Screw		53-89 (6-10)

- (1) - Tighten bolts evenly in a diagonal pattern.
(2) - Information is not available from manufacturer.
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