

# CLUTCH

1992 Infiniti G20

1991-92 Clutch

G20

## DESCRIPTION

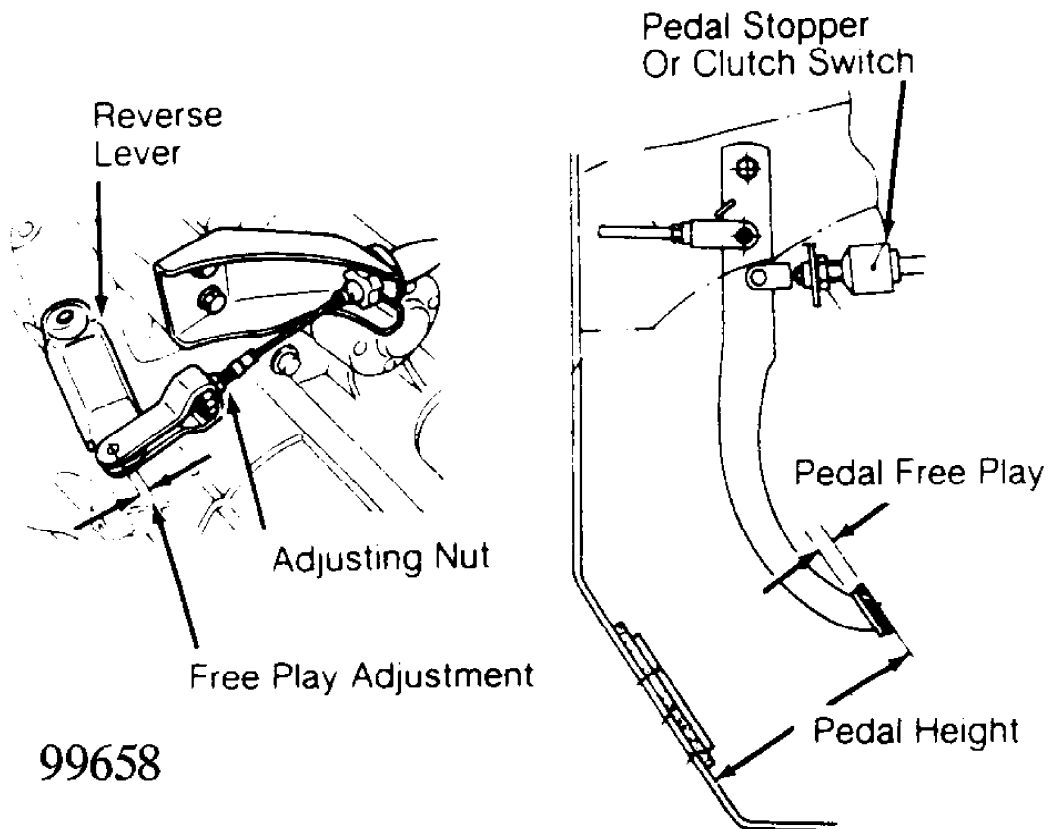
The clutch is single, dry disc type using a diaphragm spring pressure plate. System is controlled by a cable running from pedal assembly to clutch release lever. Release bearing is a self-aligning design.

## CLUTCH PEDAL FREE PLAY ADJUSTMENT

Mechanical Clutch Control

1) Free play is adjusted at release lever end of clutch cable. Apply hand pressure to release lever to remove free play. Tighten adjusting nut.

2) Back adjusting nut off approximately 2.5-3.5 turns. Free play at release arm clevis pin should be .098-.138" (2.5-3.5 mm). Free play at clutch pedal pad should be .425-.594" (10.8-15.1 mm). See Fig. 1.



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Fig. 1: Adjusting Clutch Pedal  
Courtesy of Nissan Motor Co., U.S.A.

## CLUTCH PEDAL HEIGHT ADJUSTMENT

The clutch pedal height is adjusted by adjusting clutch pedal stopper or clutch switch located below pedal hinge. See Fig. 1. Loosen lock nut and adjust pedal height. Pedal height should be 6.3-6.7" (160-170 mm).

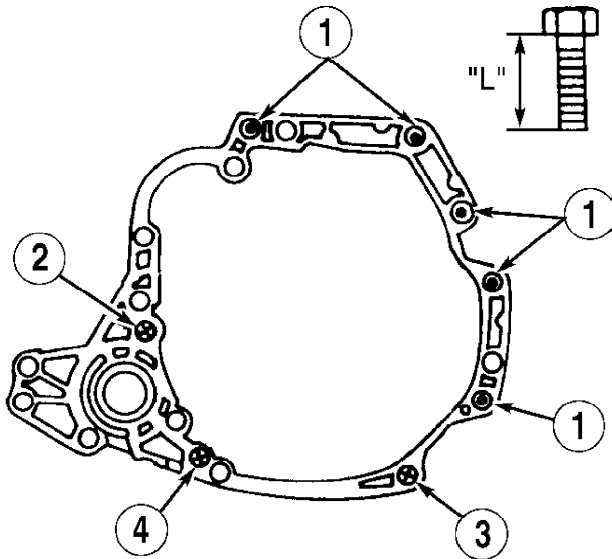
## CLUTCH ASSEMBLY R & I

### Removal & Installation

1) Disconnect negative battery cable. Remove air duct. Disconnect clutch cable at transaxle. Disconnect speedometer cable. Disconnect back-up light and neutral switch harness connectors. Disconnect ground harness connectors.

2) Raise and support vehicle. Remove starter. Disconnect shift rod and support rod from transaxle. Drain transaxle lubricant. Remove front exhaust pipe. Remove drive axle shafts. See FWD AXLE SHAFTS article.

3) Support engine with appropriate jack under oil pan. Remove rear and left-hand engine mounts. Raise jack for access to lower transaxle retaining bolts. See Fig. 2. Remove bolts and lower jack.



Bolt No.	Tightening Torque Ft. Lbs. (N.m)	"L" In. (mm)
①	51-59 (70-79)	2.2 (55)
②	51-59 (70-79)	2.8 (65)
③	22-30 (30-40)	1.4 (35)
④	22-30 (30-40)	1.8 (45)

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Fig. 2: Locating Transaxle-To-Engine Bolts  
Courtesy of Nissan Motor Co., U.S.A.

4) Support transaxle with appropriate jack. Remove remaining transaxle retaining bolts. Lower transaxle and remove from vehicle.

Install proper clutch disc alignment tool. Remove clutch cover retaining bolts so that pressure is released evenly. Remove cover and clutch disc.

5) Inspect flywheel for damage and flatness. Check for rear main oil seal leakage. Replace release bearing if necessary. See CLUTCH RELEASE FORK & BEARING.

6) To install clutch, reverse removal procedure. Tighten clutch cover retaining bolts evenly to 16-21 Ft. Lbs. (22-29 N.m). Refill transaxle with proper fluid prior to road testing. Adjust clutch cable as required. See ADJUSTMENTS.

## CLUTCH CABLE R & I

### Removal & Installation

Remove instrument lower cover. Disengage lock nut on release lever and disconnect clutch cable. Disconnect cable from clutch pedal. Remove clutch cable. To install, reverse order of removal. Apply grease to both ends of cable and return spring.

## CLUTCH RELEASE FORK & BEARING R & I

### Removal

Remove transaxle from engine. Disconnect retainers from release bearing and note location for proper installation. Remove bearing. Align release fork retaining pins with cavity in clutch housing. Using a pin punch, drive out retaining pins. Pull out clutch control shaft. Release lever and spring can now be removed.

### Inspection

Check contact areas of release bearing and fork for excessive wear. Check release bearing for noise or roughness by hand rotating bearing in thrust direction. Inspect return spring and release bearing spring for wear. Replace components as necessary.

### Installation

1) Using a lithium based grease, lubricate inner groove of release bearing. Lubricate contact surfaces of release fork, bearing and contact surfaces of control shaft and housing. Do not use excessive lubricant on clutch sliding components.

2) Install release fork, return spring and control shaft. Align holes in control shaft and release fork. Drive in retaining pins. Install release bearing spring on bearing. When installing release bearing, verify bearing spring is secured on fork.

## TORQUE SPECIFICATIONS

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Application	Ft. Lbs. (N.m)
Clutch Cover Retaining Bolt .....	16-21 (22-29)
Exhaust Pipe-To-Manifold Nut .....	30-35 (41-48)
Transaxle-To-Engine Bolts .....	(1)
Wheel Bearing Lock Nut .....	173-232 (235-314)
Wheel Lug Nut .....	72-87 (98-118)

(1) - See Fig. 2.

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