

Clutches

DATSUN/NISSAN SENTRA & STANZA

DESCRIPTION

The clutch assembly is a single dry disc type with a diaphragm spring pressure plate. Actuation is mechanical, using an adjustable cable connected to the pedal and release fork. The release bearing is sealed and prelubricated.

REMOVAL & INSTALLATION

CLUTCH ASSEMBLY

Removal

1) Remove battery, radiator reservoir tank and wheels. Drain the transaxle gear oil. Remove bolts attaching steering knuckle to strut assembly. Pull drive shaft ends out of transaxle.

CAUTION: Be careful not to damage grease seal or drop side gear out of transaxle.

2) Remove wheel house protector and separate control rod and support rod from transaxle. On Stanza models, disconnect exhaust pipe from engine and frame.

3) Remove engine gusset bolts and separate control rod and support rod from engine. Disconnect clutch cable, speedometer cable and back-up and neutral safety switch wires.

4) Support rear of engine with a jack and remove starter. Support transaxle with a jack and remove engine mount bolts. Remove engine-to-transaxle bolts and slide transaxle away from engine.

5) Loosen pressure plate bolts one turn at a time in a crisscross pattern. Remove disc and pressure plate.

Inspection

1) Light roughness on pressure plate and flywheel may be dressed with fine emery cloth. If surfaces are deeply scored, replace defective parts.

2) The minimum height of disc friction material above rivet heads is .012" (.3 mm). The maximum disc runout should be less than .20" (.5 mm) at a radius of 3.74" (95 mm) for Stanza and 3.35" (85 mm) for Sentra.

3) Check the fit of disc hub on input shaft splines. Disc should slide smoothly. If backlash at outer edge of disc exceeds .016" (.4 mm), replace disc and/or input plate.

Installation

1) Apply a light coat of lithium based grease to input shaft splines and all contact surfaces of release fork and bearing. Install clutch assembly and align with centering tool.

2) Torque bolts one turn at a time in a crisscross pattern. Install transaxle in reverse order of removal procedure. Refill transaxle and adjust pedal height and free play.

CLUTCH CABLE

Removal

Remove instrument lower cover. On Stanza, remove left side heater duct. Disconnect cable from release lever and clutch pedal. Remove bolts holding cable housing to engine side of firewall. Lift out cable.

Installation

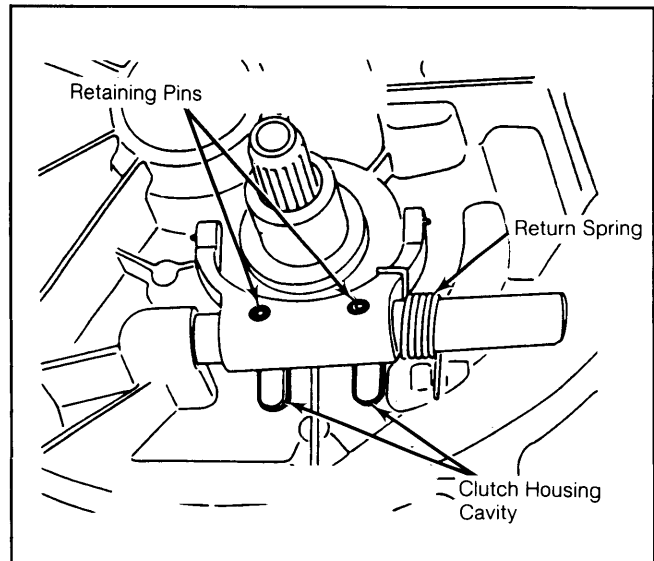
To install cable, reverse order of removal. Apply coating of multipurpose grease to both ends of cable and return spring.

CLUTCH RELEASE FORK & BEARING

Removal

1) Remove transaxle from engine. Disconnect spring from release bearing and remove bearing. Align release fork retaining pins with cavity in clutch housing. See Fig. 1.

Fig. 1: Removing Release Fork Retaining Pins



Align pins with the housing cavity.

2) 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 rough or noisy rotation. Inspect return spring and release bearing spring for wear.

Installation

1) Using a lithium based grease, lubricate the inner groove of the release bearing. Also lubricate the contact surfaces of release fork and bearing and contact surfaces of control shaft and housing.

2) Install release fork, return spring and control shaft. Align holes in control shaft and release fork and drive in retaining pins.

3) Install release bearing spring on bearing. When installing release bearing, ensure that bearing spring is secured on fork.

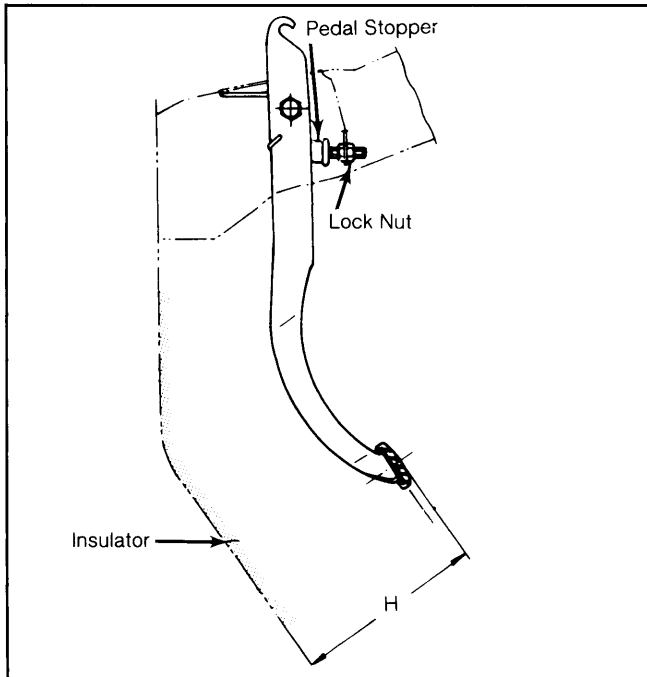
ADJUSTMENTS

PEDAL HEIGHT

The clutch pedal height is adjusted by means of an adjustable pedal stopper. Loosen the lock nut and adjust stopper for correct pedal height "H". See Fig. 2.

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Fig. 2: Measuring Pedal Height & Free Play



Adjustment applies to Sentra & Stanza models.

The pedal height for Sentra is 7.91-8.15" (201-207 mm). On Stanza models it is 5.89-6.12" (149.5-155.5 mm).

PEDAL FREE PLAY

Sentra

Free play is adjusted at the release lever end of clutch cable. Loosen lock nut and adjust cable until free travel is .43-.83" (11-21 mm). See Fig. 3.

Fig. 3: Adjusting Pedal Free Play

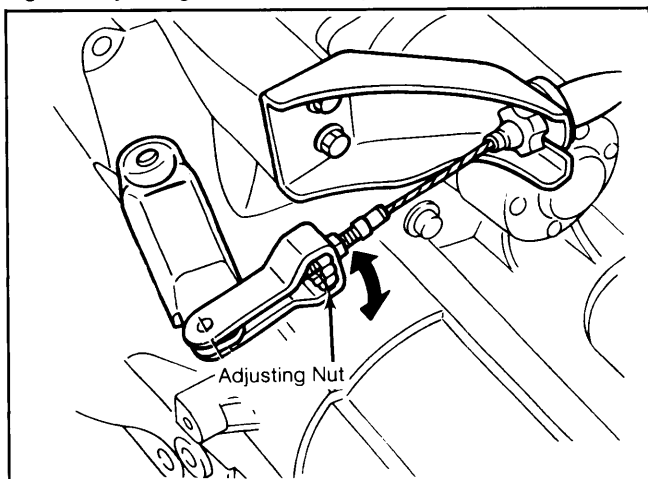


Illustration applies to Sentra models only.

Stanza

The free play is adjusted on the engine side of the firewall. An adjustment nut is located where clutch cable housing is bolted to firewall. Adjust cable until free travel is .43-.63" (11-16 mm). See Fig. 4.

Fig. 4: Adjusting Pedal Free Play

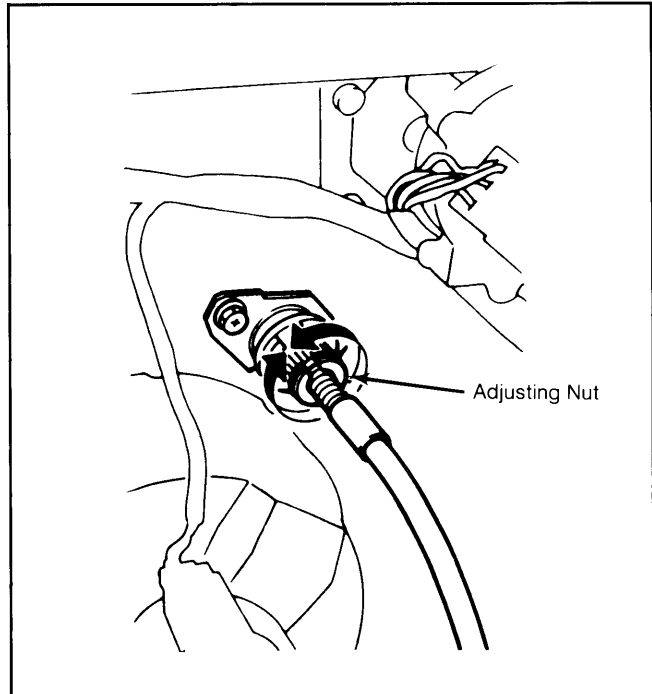


Illustration applies to Stanza models only.

TIGHTENING SPECIFICATIONS

Applications	Ft. Lbs. (N.m)
Flywheel-to-Crankshaft Bolts	
Sentra	58-65 (78-88)
Stanza	72-80 (98-108)
Pressure Plate-to-Flywheel Bolts	12-15 (16-21)
Pedal Stopper Nut	12-16 (16-21)