

1971-72 HONDA 600

AN600 Sedan (1971-72)
 AN600B Sedan (1971-72)
 AZ600 Coupe (1971-72)

DESCRIPTION

A dry single-plate clutch mounted at transmission and driven by a chain from the engine is used to couple power from engine to transmission. A diaphragm spring is used to engage pressure plate. Clutch has a mechanical release system consisting of clutch pedal, cable, clutch release lever and throw-out bearing.

REMOVAL & INSTALLATION

CLUTCH ASSEMBLY

- 1) Remove heater blower unit and exhaust pipe section. Remove two bottom side bolts from heat exchanger strap.
- 2) Loosen lock nut and unscrew adjusting bolt on clutch release lever. Press clutch release lever inward and disengage clutch cable. Pull clutch cable housing from clutch cover.
- 3) Remove clutch cover and clutch. Slide clutch disc off of splined shaft. Remove attaching bolts and clutch drum using care not to damage clutch drum oil seal. To install, reverse removal procedures.

NOTE — Align balance marks on clutch and clutch drum when installing clutch.

CLUTCH CABLE

Loosen lock nut and unscrew adjusting screw in clutch release lever. Press clutch release lever inward and disengage clutch cable. Pull cable housing out of clutch cover. Remove clevis pin at clutch pedal and pull out clutch cable.

CLUTCH RELEASE BEARING

- 1) With clutch cover removed, pull cotter pin from clutch release shaft. Remove washer and spring and slide shaft and release bearing from clutch cover bushing.
- 2) Using suitable tool, tap clutch release shaft out of release bearing. Inspect bearing for wear or damage, replace if necessary.

- 3) Install clutch release shaft in new release bearing with bearing seal facing shaft. Shoulder side of bearing faces diaphragm spring fingers (see illustration).

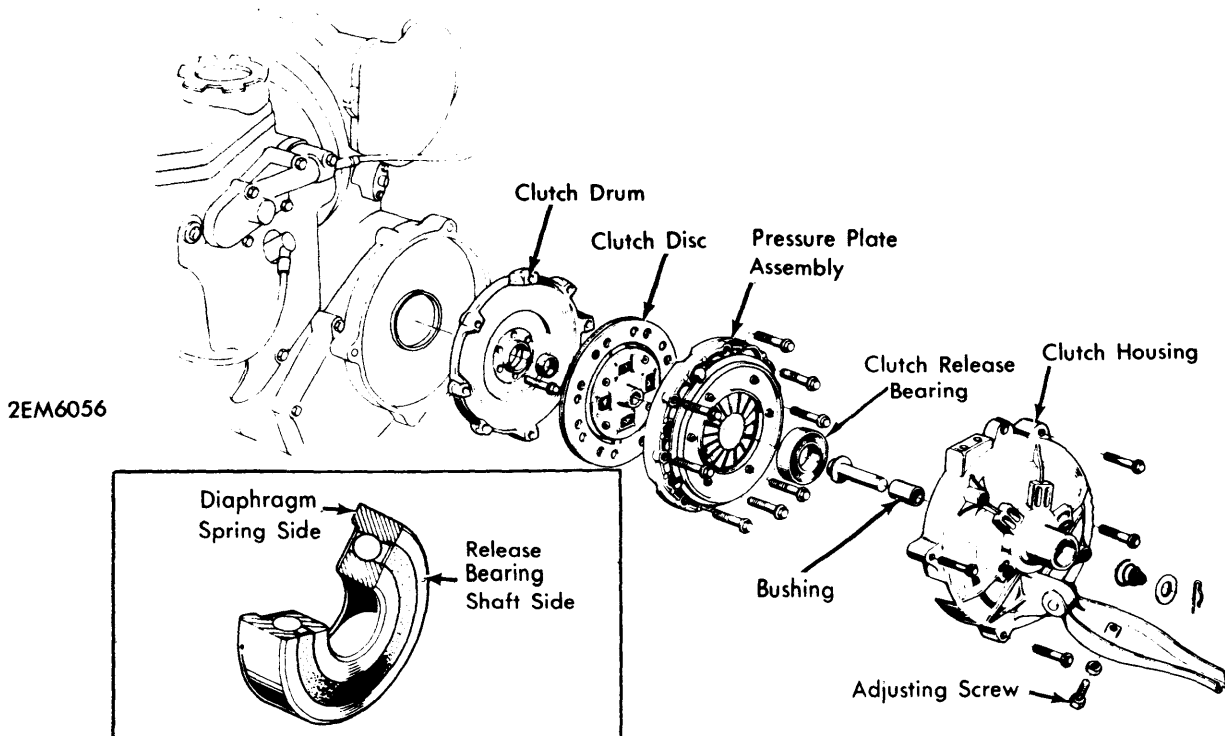
CLUTCH RELEASE SHAFT BUSHING

With clutch release shaft removed from clutch cover, remove circlip retaining release shaft bushing. Press out bushing.

OVERHAUL

CLUTCH DRUM

- 1) Check clutch drum for excessive scores, reface clutch drum if scores exceed .002" (.051 mm).



CLUTCH ASSEMBLY

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2) Inspect oil seal in transmission housing for wear or damage. If necessary pry out old seal and install new seal using suitable tool (No. 07057-55103) with side lip facing upward. Apply a thin coat of high melting-point grease to lips of seal.

3) Inspect seal in clutch drum. If necessary replace with new seal using suitable tool (No. 07054-55102). Apply a thin coat of high melting-point grease to lips of seal.

CLUTCH DISC

Inspect clutch disc for wear, loose rubber cushions or rivets. Normal thickness is .280-.310" (7.1-7.8 mm), replace disc if worn to under .230" (5.8 mm). Check clutch disc for binding or excessive looseness on splined shaft, replace if necessary.

CLUTCH RELEASE SHAFT AND BUSHING

Check clutch release shaft for excessive play in bushing. Replace shaft or bushing if worn beyond specifications.

Clutch Release Shaft Specifications

Application	Std. Diameter	Wear Limit
Bushing475-.477" (12.0-12.1 mm)	.490" (12.4 mm)
Shaft470-.472" (11.9-11.98 mm)	.453" (11.5 mm)

DIAPHRAGM SPRING

Remove bolts attaching lock plate and diaphragm spring. Inspect spring for wear or fatigue. Measure force required to

compress spring to .0827" (2.1 mm). Replace spring if force is less than 662 lbs. (300 kg.).

ADJUSTMENT

PEDAL ADJUSTMENT

Loosen lock nut and turn adjusting screw until clutch and brake pedals are of equal height. Tighten lock nut and check clutch cable adjustment.

CLUTCH ADJUSTMENT

NOTE — Adjust clutch pedal before attempting to adjust clutch clearance.

Measure free play at tip of clutch release lever, free play is .120" (3.0 mm). Adjust by loosening lock nut and turning release lever adjusting screw until proper clearance is obtained. Tighten lock nut and recheck free play.

TIGHTENING SPECIFICATIONS

Application	Ft. Lbs. (mkg)
Clutch Cover	7-9 (.97-1.2)
Pressure Plate Assembly	7-9 (.97-1.2)
Clutch Drum	7-9 (.97-1.2)