

Service Diagnosis

Failure	Cause	Repair
1. Noisy Clutch	a) Worn bushing in gland nut.	a) Install new bushing and lubricate with 2 cc. ($\frac{1}{10}$ cu. in.) graphite grease.
	b) Worn clutch release bearing.	b) Install new clutch release bearing. Note correct clutch pedal clearance.
	c) Broken or loose damper springs in clutch plate.	c) Install new clutch plate.
2. Clutch chatters	a) Gearbox not firmly attached to mount.	a) Tighten suspension nuts, install new mounts if damaged.
	b) Worn pressure plate.	b) Reface or install new pressure plate.
	c) Disc spring is distorted.	c) Adjust or install new disc spring.
	d) Cable housing slack.	d) Adjust cable housing.
	e) Clutch plate cushion springs are flat.	e) Remove linings and tension springs or install new clutch plate.
3. Clutch fails to release	a) Free pedal travel to great.	a) Adjust pedal travel to 20 to 25 mm ($\frac{3}{4}$ to 1 in.).
	b) Clutch plate or main shaft out of alignment.	b) Align or replace parts in question.
	c) Clutch plate cushion springs excessively tensioned or broken lining.	c) Install new clutch plate or new linings.
	d) Gland nut bushing has too tight a fit to main shaft.	d) Ream bushing to proper diameter.
	e) Free pedal travel to small.	e) Adjust pedal travel to 20 to 25 mm ($\frac{3}{4}$ to 1 in.).
4. Clutch slips	a) Free pedal travel to small resulting from clutch wear.	a) Adjust pedal travel to 20 to 25 mm ($\frac{3}{4}$ to 1 in.).
	b) Oil on clutch plate.	b) Install new clutch linings and install new oil seal at gearbox or crankshaft.
	c) Weak disc spring.	c) Install new disc spring.
	d) Worn clutch linings.	d) Install new clutch linings.