

Abnormal engine sounds

During normal driving

- ① Slight piston seizure
- ② Piston ring broken or sticking
- ③ Primary gear and housing gear grinding
- ④ Oil pump gear and pinion gear grinding
- ⑤ Main bearing worn or damaged
- ⑥ Faulty clutch damping rubber

During sudden acceleration

- ① Excessive clearance between connecting rod small end and piston pin, or between pin and piston
- ② Excessive connecting rod big end clearance

Knocking

- ① Ignition timing too advanced
- ② Carbon accumulation in cylinder head
- ③ Poor quality gasoline

Stops when clutch disengaged

- ① Excessive clearance between clutch housing and friction plates

When the engine is idling while cold

- ① Excessive piston clearance
- ② Piston rings worn
- ③ Worn piston
- ④ Connecting rod bent, warped

Gear shift trouble

Doesn't go into gear

- ① Shift shaft rubbing against crankcase or left cover
- ② Return spring weak or broken
- ③ Shift lever broken
- ④ Return spring pin loose
- ⑤ Bent selector fork
- ⑥ Clutch will not release

Shift pedal doesn't return

- ① Shift shaft rubbing against crankcase or left cover
- ② Return spring weak or broken
- ③ Return spring pin loose

Jumps out of gear

- ① Set lever spring weak or broken
- ② Set lever pin loose
- ③ Worn selector fork pin
- ④ Worn selector fork
- ⑤ Drum positioning plate loose

Overshifts

- ① Set lever spring weak or broken
- ② Set lever bolt loose
- ③ Return spring pin loose