

FAULTY CLUTCH

1. Properly adjust clutch

CLUTCH SLIPPING →

POSSIBLE CAUSE

- (1) Weak clutch spring
- (2) Worn or distorted clutch plate or friction disc

DIFFICULT SHIFTING

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POSSIBLE CAUSE

- (1) Broken gear shift arm spring
- (2) Broken shift fork
- (3) Sluggish movement of shift drum & fork
- (4) Broken shifting gear protrusion
- (5) Shift arm pawl disconnected from shift drum

PEDAL NOT RETURNED TO NEUTRAL →

- (1) Broken shift return spring
- (2) Shift shaft interfering with case or cover

GEARS JUMPING OUT OF POSITION →

- (1) Bent shifting gear or worn shift fork
- (2) Broken or weakened shift drum stopper spring

ENGINE NOISE

VALVE NOISE →

POSSIBLE CAUSE

- (1) Excessive valve clearance
- (2) Worn valve

PISTON SLAP →

- (1) Worn piston & cylinder
- (2) Excessive carbon in combustion chamber
- (3) Worn piston pin & connecting rod small end

CAM CHAIN NOISE →

- (1) Worn camshaft bearing
- (2) Worn camshaft sprocket teeth
- (3) Excessively elongated drive chain

CLUTCH CHATTER →

- (1) Excessive clearance between clutch plate & clutch outer
- (2) Weakened clutch damper spring

NOISY DRIVE & DRIVEN GEARS →

- (1) Worn or deteriorated driven gear damper
- (2) Worn gear teeth