

Troubles	Probable causes	Corrective action
2. Piston slap	<ol style="list-style-type: none"> 1. Worn piston, cylinder 2. Carbon deposit in combustion chamber 3. Worn piston pin bore, connecting rod small end 	<ol style="list-style-type: none"> 1. Repair or replace 2. Remove carbon 3. Repair or replace
3. Cam chain noise	<ol style="list-style-type: none"> 1. Stretched chain 2. Worn teeth on cam sprocket, timing sprocket 	<ol style="list-style-type: none"> 1. Replace 2. Replace
4. Clutch knock	<ol style="list-style-type: none"> 1. Worn clutch plate outer tab area 2. Worn clutch center spline 	<ol style="list-style-type: none"> 1. Repair or replace 2. Repair or replace
5. Crankshaft	<ol style="list-style-type: none"> 1. Crankshaft end play 2. Worn crankshaft bearing 	<ol style="list-style-type: none"> 1. Repair or replace 2. Repair or replace
6. Engine noise (magneto noise)	<ol style="list-style-type: none"> 1. Chafing between kick arm and oil seal 2. Breaker point noise, defective slipper surface 	<ol style="list-style-type: none"> 1. Repair 2. Replace A. C. generator assembly

6.4 STEERING SYSTEM

Troubles	Probable causes	Corrective action
1. Handle operates heavy	<ol style="list-style-type: none"> 1. Overtorqued steering cone race 2. Damaged steering steel balls 3. Bent steering stem 	<ol style="list-style-type: none"> 1. Readjust 2. Replace 3. Bent steering stem
2. Front or rear wheel	<ol style="list-style-type: none"> 1. Loose bearing in front or rear wheel 2. Bent rim on front or rear wheel 3. Loose spoke 4. Worn rear fork pivot bushing 5. Twisted frame 6. Drive chain adjuster out of adjustment 	<ol style="list-style-type: none"> 1. Check for wear and replace as required 2. Straighten by loosening or tightening the spokes 3. Replace if uncorrectable 4. Replace 5. Repair or replace 6. Adjust to proper value
3. Pulls to one side	<ol style="list-style-type: none"> 1. Right and left cushions not balanced, front or rear 2. Misalignment of front and rear cushions 3. Bent front fork 4. Bent rear fork 5. Bent front axle 6. Loose component in steering system 	<ol style="list-style-type: none"> 1. Replace 2. Replace 3. Repair 4. Repair 5. Repair 6. Repair

6.5 CLUTCH SYSTEM

Troubles	Probable causes	Corrective action
1. Clutch slips	<ol style="list-style-type: none"> 1. Loss of tension in clutch springs 2. Worn or warped clutch plate 3. Worn or warped clutch friction disc 	<ol style="list-style-type: none"> 1. Replace 2. Replace 3. Repair or replace
2. Clutch will not disengage	<ol style="list-style-type: none"> 1. Excessively worn clutch friction disc 2. Improper adjustment 	<ol style="list-style-type: none"> 1. Repair or replace 2. Adjust to proper specification