

Trouble	Probable cause	Remedy
Clutch slips	<ol style="list-style-type: none"> 1. Improper clutch adjustment (no play in clutch lever) 2. Weak clutch pressure plate spring 3. Worn or warped pressure plate 4. Warped clutch plate 5. Worn or warped friction disc 	Adjust Replace Replace Replace Replace
Clutch will not be disengaged	<ol style="list-style-type: none"> 1. Improper clutch adjustment (excessive play of clutch lever) 2. Weak or non-uniform tension of clutch springs 3. Warped clutch plate 	Adjust clutch lever Replace weak spring Replace
Difficult gear shifting	<ol style="list-style-type: none"> 1. Deformed shift drum stopper 2. Broken gear shift drum 3. Deformed gear shift fork 	Repair or replace Replace Repair or replace
Change gear slips out position	<ol style="list-style-type: none"> 1. Worn shifting gears on main shaft and countershaft 2. Worn or bent gear shift fork 3. Weak shift drum stopper spring 	Replace Repair or replace Replace
Engine idling is not stable	<ol style="list-style-type: none"> 1. Improper tappet adjustment 2. Improper seating of cylinder head valve 3. Defective valve guide 4. Incorrect ignition timing 5. Faulty contact breaker point 6. Excessive spark plug gap 7. Weak ignition spark (defective condenser or ignition coil) 8. Improper carburetor float level 9. Incorrect carburetor air screw adjustment 	Adjust Replace or repair Replace Adjust Repair Repair Replace Adjust Adjust
Engine high speed running is not stable	<ol style="list-style-type: none"> 1. Weak valve spring 2. Incorrect valve timing 3. Insufficient spark plug gap 4. Retarded ignition timing 5. Weak point arm spring 6. Defective ignition coil 7. Improper carburetor float level adjustment (low level) 8. Clogged air cleaner element 9. Insufficient fuel in carburetor 	Replace Adjust Adjust Adjust Replace Replace Adjust Clean Clean or supply fuel
Exhaust smoke from muffler	<ol style="list-style-type: none"> 1. Excessive engine oil 2. Worn cylinder and piston rings 3. Worn valve guide 4. Defective cylinder 	Adjust oil level Check with level gauge Replace Replace Replace
Loss of power	<ol style="list-style-type: none"> 1. Incorrect tappet adjustment 2. Loss of valve spring tension 3. Incorrect valve timing 4. Worn cylinder and piston 5. Improper valve seating 6. Incorrect ignition timing 7. Defective contact breaker point 8. Incorrect spark plug gap 9. Clogged carburetor main or slow jet nozzle 10. Improper float level adjustment 11. Clogged air cleaner 	Adjust Replace Adjust Replace Replace Adjust Repair or replace Repair Clean Adjust Clean