

Trouble	Probable Causes	Remedy
Poor engine idling	Valve Mechanism 1. Improper valve tappet clearance 2. Low or lack of compression pressure 3. Excessive valve guide clearance	Adjust to standard value, (Refer to page 36~37). Repair. Replace valve and guide.
Loss of power	1. Valve sticking open 2. Poor valve sealing 3. Weak or broken valve spring 4. Improper valve timing 5. Defective cylinder head gasket 6. Worn cylinder and piston 7. Worn, weak or broken piston ring 8. Loose spark plug	Replace Regrind valve (Refer to page 34). Replace (Refer to page 34~35) Check valve timing and adjust if necessary (Refer to page 36~37) Replace (Refer to page 35). Replace (Refer to page 38). Replace (Refer to page 38~39). Retighten.
Over heating	1. Heavy carbon deposit on combustion chamber and piston head 2. Lean fuel mixture 3. Retarded ignition timing 4. Low oil level, poor quality 5. Extended operation in low gear	Remove carbon (Refer to page 35 and 38). Adjust the carburetor. Adjust ignition timing (Refer to page 83~84). Add good grade oil.
Back fire	1. Poor sealing of the inlet valve 2. Improper valve timing 3. Improper ignition timing 4. Excessively large spark plug gap 5. Inadequate fuel supply	Check the valve seating Adjust (Refer to page 36~37). Adjust (Refer to page 83~84). Adjust the gap to 0.024~0.028 in. (0.6~0.7 mm).
White exhaust smoke	1. Excessive wear of cylinder and piston 2. Overfilled engine oil 3. Excessively high oil pressure 4. Poor quality oil	Replace the piston (Refer to page 38). Adjust the oil level. Replace with good quality oil.
Black exhaust smoke	Rich fuel mixture	Adjust the carburetor (Refer to page 70~71).
Pedal does not return	1. Defective return spring 2. Unhook return spring	Replace Hook return spring
Kick starter gear does not rotate	1. Worn kick stater pawl	Replace