

TROUBLE SHOOTING

Troubles	Probable causes	Corrective action
Engine does not start or hard starting	<ol style="list-style-type: none"> 1. Lack of compression <ol style="list-style-type: none"> (1) Tappet stuck open (2) Worn valve guide (3) Valve timing out of adjustment (4) Worn piston rings (5) Worn cylinder 2. No spark produced from spark plug electrodes <ol style="list-style-type: none"> (1) Fouled spark plug (2) Wet spark plug (3) Fouled breaker contact points (4) Improper point gap (5) Ignition timing out of adjustment (6) Defective ignition coil (7) Open or shorted circuit in ignition cord (8) Shorted condenser 3. Fuel does not flow to carburetor <ol style="list-style-type: none"> (1) Clogged fuel tank cap vent hole (2) Clogged fuel cock (3) Defective carburetor float valve (4) Clogged fuel tube 	Adjust tappet clearance, Replace Repair Replace Replace Clean Clean Clean Adjust Adjust Replace Replace Replace Clean Clean Replace Clean
Engine suddenly stalls while running	<ol style="list-style-type: none"> 1. Fouled spark plug 2. Fouled breaker contact points 3. Ignition timing out of adjustment 4. Clogged fuel line 5. Clogged carburetor jets 	Clean Clean Adjust Clean Clean
Engine noise	<ol style="list-style-type: none"> 1. Tappet noise <ol style="list-style-type: none"> (1) Excessive tappet clearance (2) Weakened or broken valve spring 2. Knocking noise from piston <ol style="list-style-type: none"> (1) Worn piston and cylinder noise (2) Carbon accumulation in combination chamber (3) Worn piston pin or connecting rod small end 3. Cam chain noise <ol style="list-style-type: none"> (1) Stretched cam chain (2) Worn cam sprocket or timing sprocket 	Repair Replace Replace Clean Replace Replace or shorten the chain Replace