

Troubles	Probable Causes	Corrective Action
Exhaust smoke from muffler	<ol style="list-style-type: none"> 1. Excessive engine oil 2. Excessively worn cylinder and piston rings 3. Worn valve guide 4. Damaged cylinder 	<p>Check oil level with oil level gauge</p> <p>Replace</p> <p>Replace</p> <p>Replace</p>
Insufficient horsepower	<ol style="list-style-type: none"> 1. Improper adjustment of tappet (valve stuck open) 2. Weakened valve spring 3. Valve timing out of alignment 4. Worn cylinder and piston rings 5. Poor valve seating 6. Ignition timing out of adjustment 7. Poor breaker contact points 8. Defective plug gap 9. Clogged carburetor fuel passage 10. Improper adjustment of float level 11. Clogged air cleaner 	<p>Readjust</p> <p>Replace</p> <p>Repair</p> <p>Replace</p> <p>Replace</p> <p>Readjust</p> <p>Repair or replace</p> <p>Repair</p> <p>Clean</p> <p>Readjust</p> <p>Clean</p>
Overheating	<ol style="list-style-type: none"> 1. Excessive carbon accumulation on cylinder head 2. Insufficient oil 3. Defective oil pump and clogged oil passage 4. Too low float level 5. Too early ignition timing (causes knocking) 	<p>Refill up to specified oil level</p> <p>Clean</p> <p>Readjust</p> <p>Readjust</p>

ELECTRICAL SYSTEM

Troubles	Probable Causes	Corrective Action
Engine does not start	<ol style="list-style-type: none"> 1) Battery <ul style="list-style-type: none"> • Discharged • Poor contact of battery terminals 2) Combination switch <ul style="list-style-type: none"> • Open or shorted circuit, disconnected connections • Poor contact between combination switch wire and wire harness 3) Ignition coil <ul style="list-style-type: none"> • Improperly insulated high tension coil • Open or shorted circuit in ignition coil 4) Contact breaker <ul style="list-style-type: none"> • Open circuit in the primary coil • Dirty ground point with oil or dust • Point gap out of adjustment • Improperly charged condenser 	<p>Recharge or replace</p> <p>Repair</p> <p>Repair</p> <p>Replace</p> <p>Replace</p> <p>Repair</p> <p>Clean</p> <p>Readjust</p> <p>Replace</p>