

MAINTENANCE

Possible Cause

Possible Remedy

Using Too Much Fuel

Fuel mixture too rich. Carburetor out of adjustment...	Check choke <i>and see "Carburetor" on page 24.</i>
Fuel leaks.....	Tighten or replace fuel lines or fuel strainer gasket.
Poor grade of fuel.....	Use a good grade of gasoline.
Choke closed.....	Investigate for choke not operating.
Engine overloaded.....	Reduce load or shift to lower speed.
Poor compression.....	See your dealer.
Faulty ignition.....	<i>Refer to pages 29 to 45.</i>
Engine not operating at proper temperature.....	Check cooling system. Check lubricating oil; or see your dealer.
Air cleaner clogged.....	Service air cleaner; <i>see page 28.</i>
Incorrect grade or amount of lubricating oil.....	<i>Refer to the lubricant specifications on page 17; keep the oil up to the proper level.</i>

No Fuel at Carburetor

Fuel low in tank.....	Fill fuel tank and check fuel lines.
Air vent hole in fuel tank cap plugged up.....	Clean out vent hole.
Fuel valve closed or partly open.....	Open valve; <i>see the starting instructions on page 8.</i>
Dirty or clogged fuel strainer screen or line.....	Clean <i>as instructed on page 25.</i>

Ignition and Electrical

Wrong kind, old, cracked, dirty, or poorly set spark plugs.....	Clean and set gap to .023 inch, or replace with new one.
Loose wiring or improper connections.....	Check wiring to see that all connections are clean and tight. <i>See pages 29 to 45.</i>
Magneto or battery ignition unit not timed correctly...	Retime <i>as instructed on page 32 or 35.</i>
Distributor cap or rotor or breaker chamber dirty....	Clean <i>as instructed on page 31 or 34.</i>
Distributor brush broken.....	Replace brush; or see your dealer.
Breaker points dirty, pitted or improperly set.....	Clean and reset gap or replace with new. <i>See page 30 or 33.</i>
Breaker arm stuck, weak or broken spring.....	Check and replace. <i>See page 30 or 33.</i>
Impulse coupling dirty (tractors with magneto).....	Clean and lubricate <i>as instructed on page 31.</i>
Battery defective, low charge or loose connections....	Recharge, clean and tighten cable lugs or replace with new, check ground cable; <i>see pages 43 to 45.</i>
Cranking motor failure.....	Replace; or see your dealer.
Generator inoperative.....	Check commutator, check brushes (<i>page 39 or 42</i>); or see your dealer.
Generator relay or voltage regulator.....	See your dealer.
Ammeter inoperative.....	Replace ammeter; or see your dealer.
Lights will not burn.....	Check battery ground cable. Turn on switch, replace lamps, replace fuse, recharge battery, check wiring and generator; or see your dealer.
Lights burn dim.....	Turn switch to bright. Recharge battery, tighten cable terminals, check lamps, clean contacts.

Brakes

Do not hold.....	Adjust brakes (<i>page 48</i>) or new lining needed; or see your dealer.
Drag or uneven.....	Adjust brakes. <i>See page 48.</i>
Grease on lining.....	Replace lining; or see your dealer.
Return spring broken.....	Replace.
Do not release.....	Release brake lock. Be sure that the left-hand brake cross shaft is free to turn.