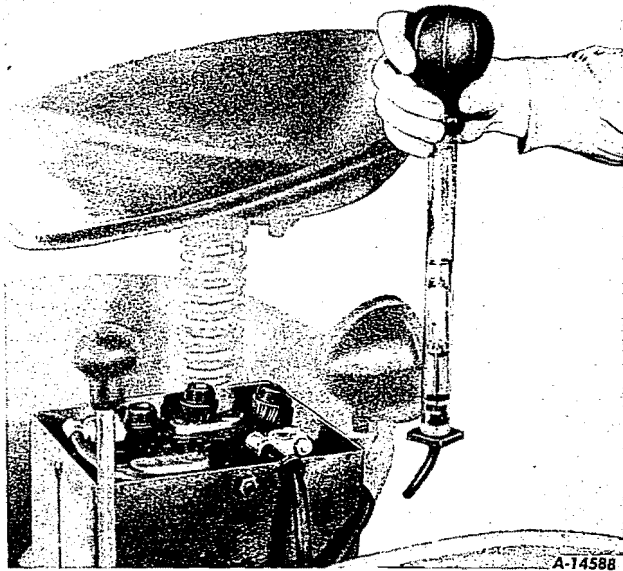


MAINTENANCE



Illustr. 44

Taking a hydrometer reading of electrolyte in the battery.

Use an accurate hydrometer when testing for specific gravity. Readings should not be taken immediately after adding water. All cells should show approximately the same specific gravity reading. Wide variations indicate something is wrong.

See your International Harvester dealer or authorized battery service station.

Battery Voltage—With the battery fully charged and on charge at the normal rate, the average cell voltage at +80° F. ranges between 2.5 and 2.7 volts; at +100° F. between 2.4 and 2.6 volts.

Cold Weather Operation—It is especially important to keep the battery close to full charge for cold weather operation. Add water to the battery in freezing temperatures only when the tractor is to operate for several hours, to thoroughly mix the water and electrolyte, or damage to the battery will result from the water freezing.

The electrolyte of a battery in various stages of charge will start to freeze at temperatures indicated below:

Specific Gravity (Corrected to 80° F.)	Freezing Temperature Degrees Fahrenheit
1.230— ³ / ₄ charge.....	62° F. Below zero
1.180.....	16° F. Below zero
1.130.....	5° F. Above zero
1.080.....	19° F. Above zero

The above temperatures indicate the approximate points at which the first ice crystals begin to appear in the solution. The solution does not freeze solid until a lower temperature is reached.

Continued on page 46.

Wiring Diagram

Index to Reference Numbers shown in illustration on opposite page.

Ref. No.	Description	Ref. No.	Description
1	Wrapping strap.	22	Headlight.
2	Cable—battery to cranking motor.	23	Grommet (in hood).
3	Cable—lighting switch to rear light.	24	Clip on upper right hand and left hand of fan housing.
4	Clip on rear light mounting bracket (upper bolt).	26	Ammeter.
5	Rear light.	27	Lighting switch.
6	Grommet—battery box.	28	Battery ignition switch.
7	Battery.	28A	Magneto ignition switch.
8	Cable—battery to ground.	29	Fuse housing.
9	Clip on rear bolt (underneath platform).	30	Junction block.
10	Clip on third bolt from rear (underneath platform).	31	Cable—magneto ignition switch to magneto.
11	Wrapping strap—between pedal and clutch housing.	32	Cable—battery ignition switch to coil (black with green tracers).
12	Clip on inside right side fuel tank support.	33	Cable—ammeter to starting switch (black).
14	Clip on inside of hood (right-hand side).	34	Cable—switch to headlight.
15	Cable harness.	35	Cable—regulator "L" terminal to switch (natural with green cross tracers).
16	Cable—generator "F" terminal to regulator "F" terminal.	35A	Cable—regulator "L" terminal to junction block.
17	Cable—generator "A" terminal to regulator "GEN" terminal.	36	Cable—regulator "BAT" terminal to ammeter (natural with black and red cross tracers).
18	Cranking motor.	37	Cable—fuse housing to ignition switch.
19	Battery ignition unit.	37A	Cable—fuse housing to junction block.
19A	Magneto.	38	Cable—fuse housing to lighting switch.
20	Voltage regulator.	39	Clip on inside edge of hood support (right-hand side).
21	Generator.		