

REMOVING THE BATTERY

Remove the hood access panel.

Disconnect the ground cable, then the positive (+) cable from the battery posts. Loosen the hold down nuts and move the retainer clear of the battery.

CAUTION: Electrical storage batteries give off highly inflammable hydrogen gas when charging and continue to do so for some time after receiving a steady charge. Do not under any circumstances allow an electric spark or an open flame near the battery. Do not lay tools across battery terminals as this will result in a spark or short circuit which may cause an explosion. Be careful to avoid spilling any electrolyte on hands or clothing.

INSTALLING THE BATTERY

Lift the battery onto the tractor. Secure the battery with the retainer, but do not overtighten the hold down nuts. Connect and secure the positive (+) cable then the ground cable.

Secure the access panel.

NOTE: THE ENGINE MUST NOT BE RUN WITHOUT A BATTERY CONNECTED. TO DO SO WILL CAUSE DAMAGE TO THE ALTERNATOR.

CAUTION: DISCONNECT THE BATTERY GROUND CABLE BEFORE WORKING ON ANY PART OF THE ELECTRICAL SYSTEM.

CONNECTING BOOSTER BATTERIES

When required, a booster 12-volt battery may be connected in parallel with the 12-volt system in the tractor.

NOTE: On tractors which are equipped with two six-volt batteries, the positive terminal of the booster battery must be connected via a jumper lead to the positive terminal of the battery which is connected to the charging motor. The booster battery negative terminal must then be connected via a jumper lead to a good ground point located well away from the battery and fuel system so that no sparks occur near these items.

NOTE: All circuits must be turned "On". Electrical System is Negative (-) grounded only. Reversed polarity will result in permanent damage to components of the electrical system.

NOTE: Connecting jumper cable to sources other than a good ground can result in serious damage to the tractor.

ALTERNATOR

The alternator replaces the energy removed from the battery by the starting motor and lights.

For details of adjusting the drive belt tension, refer to the **COOLING SYSTEM**.

Apart from adjusting belt tension and checking that the terminals are clean and tight, no adjustment or maintenance should be attempted. If servicing is required, consult an International Harvester dealer.

Connections in the charging circuit must not be broken or made while the engine is running.

LIGHTING

Check the correct functioning of the lights after the first 20 hours and thereafter, every 200 hours of operation.

CHANGING A SEALED BEAM UNIT

To change a sealed beam unit, remove the radiator grille and disconnect the plugs from the rear of the headlights.

Loosen the adjusting screws, taking care not to lose the springs, then withdraw the rubber housing rearward, complete with sealed beam unit from the upper grille. From the rear of the housing, push out the sealed beam unit.



1 - Securing screws

Headlights

Install the new sealed beam unit from the front into the rubber housing aligning the boss on the sealed beam unit with the appropriate slot in the housing. Ensure the boss is correctly seated and that the securing rivet is holding the unit all the way around.

Install the sealed beam and housing assembly in the upper grille, positioning the springs between the grille and housing, then secure with the adjusting screws finger tight.

or

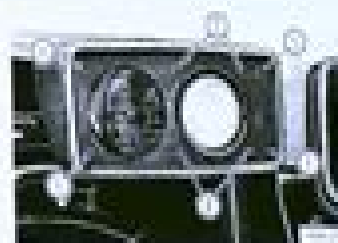
Tighten the screws until the housing enters 1/8 inch (3.2 mm) into the upper grille.

Connect the plugs to the rear of the head lights and install the grille.

With the headlights on main beam, adjust the bottom two adjusting screws until the beam is horizontal, then adjust the appropriate side adjusting screws until the beam is parallel to the tractor center line.

CHANGING A WORKLIGHT

To change a worklight, remove the mounting screws and ease the panel forward from the fender.



1 - Panel securing screws
2 - Adjusting screws

Worklight

Remove the adjusting screws taking care not to lose the springs, then withdraw the rubber housing rearward, complete with sealed beam unit.

Loosen the connecting screw to free the leads, then from the rear of the housing, push out the sealed beam unit.

Hydro 84 Owners Manual

KJ Lindholm-Leary



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Hydro '84 ,1984 **International Hydro 84 Tractor Technical Service Repair Shop Manual** ,1959-01-15

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