

Front References

References to left-hand, right-hand, front, and rear throughout this manual, are made when sitting in the operator's seat facing direction of forward travel.

ELECTRICAL SYSTEM

Batteries

FIG. 2: Battery connections.

IMPORTANT: The combines operate on a 12-volt system with a negative ground. Disconnect negative battery cables before servicing electrical system components unless specified otherwise in this manual.

Three batteries are connected in parallel, with the negative (-) terminals to ground and the positive (+) terminals to starter cable.

IMPORTANT: Never connect batteries in series under any circumstance, that is, negative to positive. This produces a combined voltage in excess of 12-volts and will damage electrical components.



CAUTION: Do not run engine with batteries disconnected (even with lights on) as this builds very high system voltage that can be extremely dangerous.

NOTE: Electrical component damage can result if booster cables are not installed correctly. Refer to Electrical division to completely familiarize yourself with batteries and starting engine with booster battery.

Cleaning

Never apply full nozzle pressure directly at electrical components and connectors.

IMPORTANT: Pressure from fluid could result in circuit or component failure caused by the following:

- Corroded pins.
- Moisture in or on the connector/component.
- Missing or damaged connector/component seals.

FIG. 3: Use only commonly approved connector pin and socket cleaners.



WARNING: Use only in a well ventilated area. Read and follow instructions on container for proper use.



FIG. 2



FIG. 3

General Information

Welding

FIG. 4: When necessary to weld on combine, keep welder ground clamp as close to work area as possible and disconnect battery cables and alternator wiring before welding operation commences.



FIG. 4

ELECTRONIC MODULES

Gauge Cluster (GC) and Grain Loss Monitor Module

FIG. 5: The GC (1) is located on the right pillar of the cab. It consists of three gauges (fuel level, engine coolant temperature, and engine oil pressure) and a grain loss monitor.

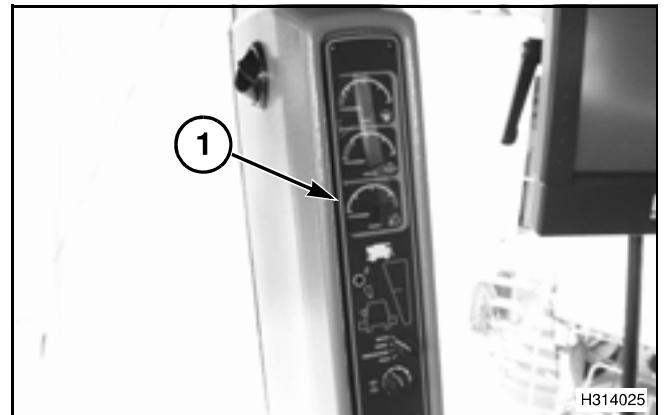


FIG. 5

Tachometer Module

FIG. 6: The tachometer (1) is located directly below the Gauge Cluster and Grain Loss Monitor module on the right cab pillar.

The tachometer has two, four digit displays with associated icons for engine speed, rotor speed, ground speed, and a select option.

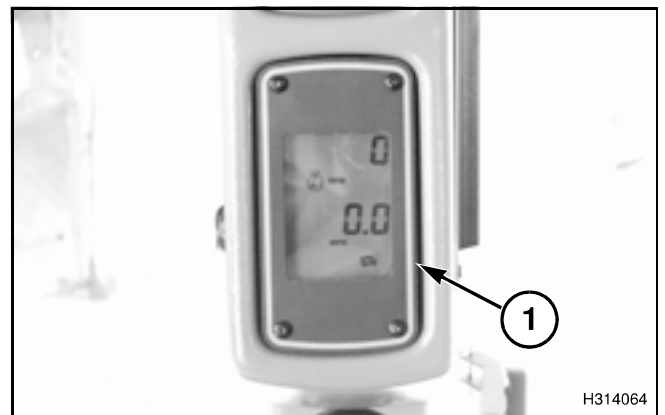


FIG. 6