

# DIGITAL HOUR METER - INSTRUCTIONS

This hour meter provides a precise, tamper-proof record for determining the operating period of an engine in elapsed hours. It is non-erasable, and produces the perfect service reminder for preventive maintenance.

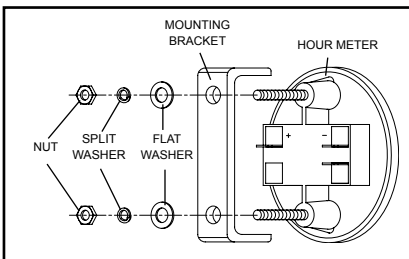
Hour meters are mainly used for monitoring the running time of off-road vehicles and machinery. They are useful for recording maintenance time, warranty time, service records and rental use time. The display shows the elapsed time whenever the ignition key is in any position except OFF, but increments time only when the engine is running.

## PRECAUTIONS

1. Read the entire instructions for your meter before proceeding.
2. Be sure the meter is suitable for your application.
3. It is recommended that the battery ground cable be disconnected before any electrical work is performed, especially when installing the hour meter.
4. Route all wiring away from linkages, high heat or moving parts.
5. Never smoke while working on your vehicle and always keep a fire extinguisher nearby. It should be rated for gas/chemical/electrical fires.
6. Never lay tools on top of the battery or wear jewelry during electrical work to avoid severe electrical shorts.

## INSTALLATION

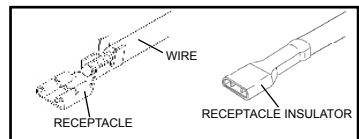
1. Choose a location to mount the meter.
2. If you are creating a hole, use a 2-1/16 in. diameter hole saw.
3. Disconnect the ground cable from the battery.



4. Connect a length of 18-gauge insulated copper wire (not included) to a good ground source. Be sure the grounding surface is a good ground source as not all metal surfaces inside the vehicle are well grounded. This wire should be

long enough to reach the hour meter's mounting location.

5. Connect the second length of 18-gauge wire to a vehicle circuit where the wire will receive power whenever the ignition key is in any position except OFF. This wire should also be long enough to reach the hour meter.
6. Connect the third length of 18-gauge wire to a vehicle circuit where the wire will receive power only when the engine is running. This wire should also be long enough to reach the hour meter.
7. Place receptacle insulators on each of the three 18-gauge wires (meter side), strip wire insulation, attach receptacles to the wires, and push the receptacle insulators over the receptacles.
8. After mounting the meter, connect the receptacle of the wire from the ground source (Step 4) to the hour meter's spade terminal marked "-".



9. Connect the receptacle of the wire from the power source (Step 5) to the hour meter's spade terminal marked "+".
10. Connect the receptacle of the wire from the control power source (Step 6) to the hour meter's spade terminal marked "CONTROL".
11. Reconnect the battery ground cable. As you do, watch for sparks and check if the wiring you worked with is becoming warm. If either condition is noted, IMMEDIATELY disconnect the battery ground cable and read the Troubleshooting section.

## TROUBLESHOOTING

1. If, when you reconnected the battery ground cable, you noticed sparks or any of the wiring becoming warm, check that all connections are properly located, and insulated from grounding.
2. If the meter display does not turn on, or the reading does not increase after more than 6 minutes (1/10 h) of engine running, recheck connections and make sure that the receptacles are not crossed and power is applied to the correct meter terminals.