

TECH TIPS

Service Call:

**Engine won't turn over. Models with
Genie Ignition Start Module.**

Tools Needed:

Digital multimeter

Model:

IC Models



Tech Tips Safety Rules



Danger

Failure to obey the instructions and safety rules in the appropriate Operator's Manual and Service Manual for your machine will result in death or serious injury. Many of the hazards identified in the operator's manual are also safety hazards when maintenance and repair procedures are performed.

Do Not Perform Maintenance Unless:

- You are trained and qualified to perform maintenance on this machine.
- You read, understand and obey:
 - manufacturer's instructions and safety rules
 - employer's safety rules and worksite regulations
 - applicable governmental regulations
- You have the appropriate tools, lifting equipment and a suitable workshop.

The information contained in this tech tip is a supplement to the service manual. Consult the appropriate service manual of your machine for safety rules and hazards.

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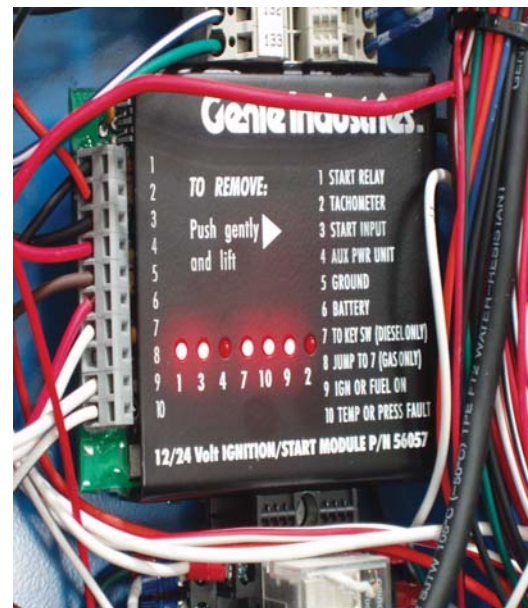
Step 1

Turn the key switch to "Ground Controls" and pull the red mushroom switch to the up position. Activate the start toggle switch.



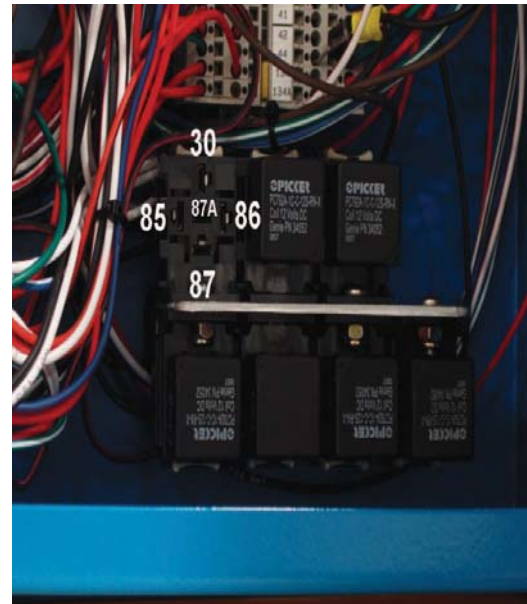
Step 2

Locate the Ignition Start Module inside the ground control box. The illustration to the right shows the lights that will come on when the start toggle switch is activated. The voltage travels from the back of the start toggle switch to terminal base 33 and then to terminal 3 on the Ignition Start Module.



Step 3

Once terminal number 3 on the Ignition Start Module gets an input from the start toggle switch it sends voltage to terminal 1 on the module. Terminal number 1 on the module then sends output voltage to terminal 86 on Control Relay number 1 (CR1) start relay.



Step 4

Once terminal 86 on CR1 receives voltage, the relay will close and send voltage to the starter solenoid. On models with Deutsch connectors, the voltage will travel through the C5 plug as illustrated before going to the starter solenoid.



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Step 5

The starter solenoid (Ford model shown) should then have voltage. If voltage is present at the terminal indicated in the photo to the right, it is likely the starter requires replacement.



Step 6

This illustration shows the voltage path for the start circuit. If more technical assistance is needed please contact the Factory Service department at 1-800-536-1800.

