

SAFETY INERTIA SWITCH

Whiteman Walk-Behind power trowels come with an important safety device for operator protection. A centrifugal safety switch that functions on inertia is used on the handle assy. It's recommended to test the function of the switch prior to operation.

The switch is designed and placed on the handle to stop the engine if the operator should lose control of the handle while operating. The inertia lever in the switch is forced into the OFF position to turn off the engine ignition automatically. Free and unrestricted movement of the inertia lever is critical to safety switch function.

IDENTIFYING THE SAFETY INERTIA SWITCH

NEW STYLE



MQ PART# 20856

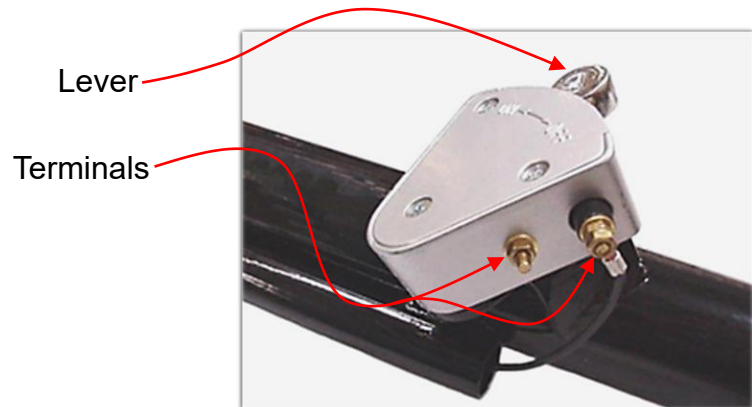
OPERATION OF THE SAFETY INERTIA SWITCH

- When the unit is running and the handle is let go it will turn (*swing*) to the left.
- For safety, the switch is designed to turn off the engine at approximately a quarter turn of the handle.
- The switch works on centrifugal force.
- This can be tested with the engine running at idle speed, and placed in an open area.

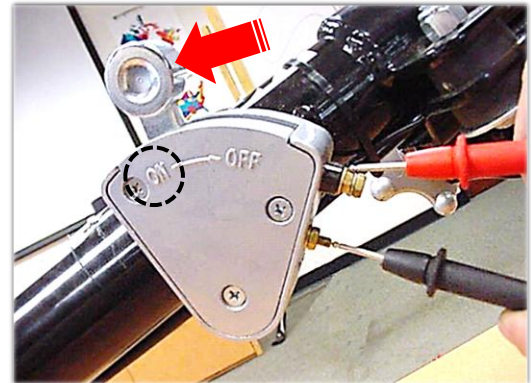


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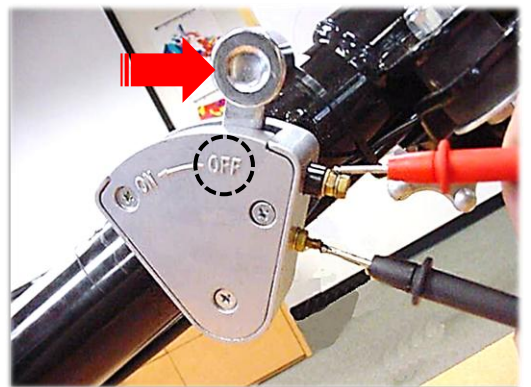
To test the safety inertia switch, make sure the switch lever moves back and forth freely, also locate the terminals on the bottom of the switch to check for continuity between the terminals.



With a meter check for continuity between the terminals, there should be no continuity with the lever in the ON position.



There should be continuity between the terminals when the lever is in the OFF position.



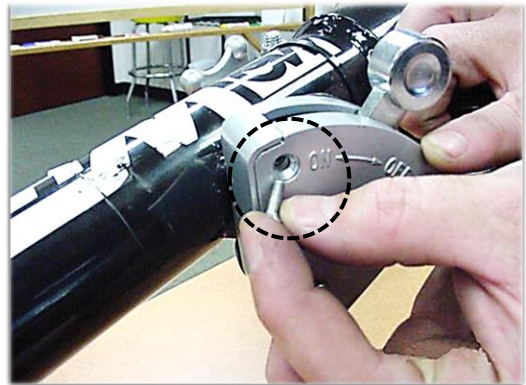
NOTE: *If the switch fails this continuity test procedure, reference the following page for additional troubleshooting information.*

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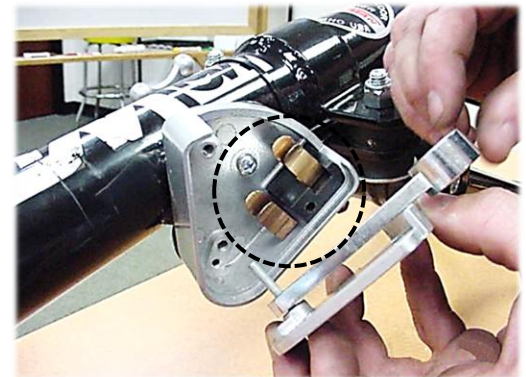
If the switch fails the continuity test remove the safety switch cover and inspect the contacts inside.



NOTE: when removing the cover remember the top left screw next to the ON position is shorter than the others.



Make sure the contacts are not worn, stretched or broken.



Make sure the lever is making a good connection between the contacts.

