

SparkCheck'r™ Engine Ignition Analyzer

Model SPC-7200

How to Operate SparkCheck'r

IMPORTANT: For correct SparkCheck'r operation, always set the engine-type slide switch to the proper engine type being tested.

1. Install the included AAA battery.
2. On a NON-RUNNING engine, push Gripper lever forward to open Gripper hook.
3. Place Gripper hook on plug wire and slowly release Gripper lever.
4. Red LED will stay lit indicating SparkCheck'r is ready to analyze the spark.
5. Read Below for either Pull Start or Electronic Ignitions.
6. Disconnecting SparkCheck'r from plug wire will reset the internal circuit.
7. If a second test is desired, SparkCheck'r can be reset by momentarily pressing the Reset Button without removing the analyzer from the plug wire.

Pull Start Engines

1. Make sure engine is ready to start (see owners manual if needed).
2. Firmly pull the recoil starter one time (if engine starts, turn it off).
3. Observe LED status on the SparkCheck'r.

Electronic Ignition Engines

1. Make sure engine is ready to start (see owners manual if needed).
2. Activate electric start only long enough to turn over engine several times (if engine starts, turn it off).
3. Observe LED status on the SparkCheck'r.

After Attempting to Start the Engine

LED on the SparkCheck'r will indicate the condition of the spark.

OK flashing-GREEN Proper voltage, ignition is OK

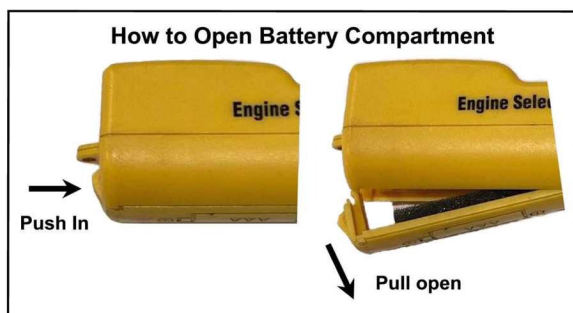
HIGH flashing-YELLOW High voltage - see chart for possible causes

LOW flashing-RED Low voltage - see chart for possible causes

SOLID RED No voltage - see chart for possible causes

Changing the Battery

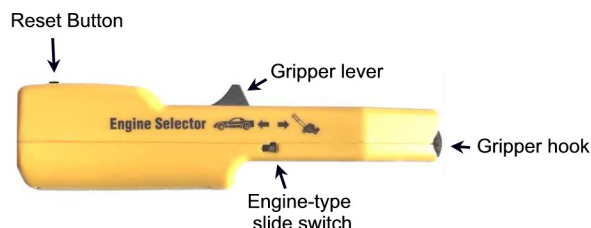
1. Remove battery cover by pushing in on the rear tab of the cover and pulling open at the same time.
2. Remove the battery and replace with a new AAA battery. Make sure the + terminal is toward the rear of the unit.
3. Reinstall battery cover.
4. Battery Check: Push gripper lever forward, red LED will light indicating battery is good and the unit is operational.



60 Day Limited Warranty: SparkCheck'r is guaranteed to be free from defects in workmanship and materials for 60 days from the purchase date. Limitations include: implied warranties, property damage caused by product or its failure to work, or any other incidental or consequential damages including personal injury. This warranty is applicable to only product failure and DOES NOT COVER defects or damage due to external causes, including accidents, abuse, misuse, problems with electrical power, normal wear and tear, failing to follow the User Guide or if you alter or attempt to repair the product. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. **NOTE:** Heavily soiled, damaged or broken SparkCheck'r units are excluded from this warranty.

User Guide

NOTE: Read the User Guide completely before use!



DIAGNOSTIC CHART

OK flashing-GREEN

Spark voltage is OK

Compression is good

No start problem could be:
Lack of fuel, bad fuel, improper choke setting, defective carburetor or fuel injector

HIGH flashing-YELLOW

Spark voltage is too high

Broken spark plug

Internal resistance of plug too high (resistor type plug)

Plug wire not properly connected or seated on spark plug

Plug Wire resistance too high (resistor type plug wire)

Broken or open plug wire

Improper spark plug gap

Check slide switch setting - may flash yellow if on wrong engine type

LOW flashing-RED

Spark voltage too low

Flooded engine

Shorted plug

Improper plug gap

Plug wire shorted or arcing to chassis

Defective ignition coil

Low compression

SOLID RED

No spark detected

Engine kill switch in wrong position

Defective points (mechanical ignition)

Defective trigger switch (electronic ignition)

Defective spark coil

No primary voltage at coil (electric start engines)

Open plug wire at coil output

NOTE: IF ALL THREE LIGHTS ARE FLASHING, THE BATTERY NEEDS TO BE REPLACED.



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