Improper Application of temp sensor on tester

Issue #	Part Info	Group(s) Affected:
12	Test Procedure	Service ☐ Parts ☐ Roadside Assistance ☐ Sales ☐ Vehicle delivery/Logistics ☐

Condition
The V8150 handheld battery tester relies on temperature reading to judge the current flow for accuracy, if not accurate, battery test result can vary.

Observed Situation:
Holding the handheld tester temp sensor too far away from negative battery terminal due to interference by underhood engine covers.

In some cases it was held around 5 inches from the engine cover, and the battery was at least a couple inches below the cover.

Concern:
If a colder than normal reading is used for a hot battery a comeback could result.

As temperature increases, current flow should increase. As temperature decreases current flow decreases. Both are factors used to determine through software if a battery is failed.

If the handheld battery tester sensor is held too far away from the battery it may not indicate the true temperature of the battery.

Although engine covers hamper this test, it is critical to accurately determine battery temperature.

Comebacks may result because you are indicating the battery is providing more current than it actually is.

Suggested Change
If you see the temperature indicated on the tester is low or ambient temperature, but the battery is warm to touch, the distance between the terminal of the battery and the tester sensor may be too far.

You may need to move the tester closer into the battery area towards the negative terminal or remove the covers to get an accurate reading.

Dealer Concerns