Case Step 6 – Test Execution

getting started · https://www.diagnostic-assistance.com/docs/case-step-6-testing-measurement-analysis/

Step 1	Step 2	Step 3	Step 4	Step 5	▶ Step 6	Step 7	Step 8

FIND IT

Cases → open your case → **Step 6, Test Execution**

TL;DR

This is where you see everything you need to run the test: reference images, waveforms, expected values, and component information.

What this step is for

Everything up to here was deciding what to test. This is where you go to the vehicle and do it. The step gathers, on one screen, all the reference material for the test you chose at Step 5, so you are not holding a wiring diagram in one hand and a specification sheet in the other.

What you will see

Panel	What It Shows
Reference Images	What the component looks like, which helps you find it on the vehicle
Reference Waveforms	What a good signal looks like, to compare against your oscilloscope
Component Test Info	Plain English description of the test and what to look for
Expected Values	What your reading SHOULD be if the component is working correctly
Associated DTCs	Fault codes related to this component

Not every test has all five populated. A simple resistance check may have an expected value and a component image but no waveform, and that is normal.

Using the expected value properly

The expected value is the reading a healthy component produces *under the exact conditions named in the 4 Rights*. Before you compare anything, confirm you actually met those conditions: the right test state, the right connection point, the right instrument.

If you had to deviate, say you measured at the controller because the component connector was inaccessible, then you are no longer running the test the expected value belongs to. Go back to Step 5 and pick the test that matches what you can actually do.

QUICK TIP

Compare your live reading against the expected value chart. The chart shows what a healthy component produces under these exact conditions.

➡ DO THIS

1. Review the reference data to understand what you are testing.
2. Confirm you can meet all 4 Rights for this test on this vehicle.
3. Connect your instrument and take the measurement.
4. Note the reading, then continue to Step 7 to record it.

STUCK?

No expected value shown. The authored data may be incomplete for this test. You can still run it and record what you found at Step 7, but you are relying on your own judgement rather than a held specification. Worth reporting so the gap can be filled.
Your reading is wildly outside the expected value. Before concluding the component has failed, check the obvious: instrument range and setting, connection quality, and whether the vehicle is genuinely in the required test state.

Next

→ **Case Step 7, Results:** recording your measurement and making the pass or fail call.