

## Insulation Resistance Test. Value displayed but "U" is blinking

Possible Causes: Faulty Injector, Test Cable, or Internal Electronics



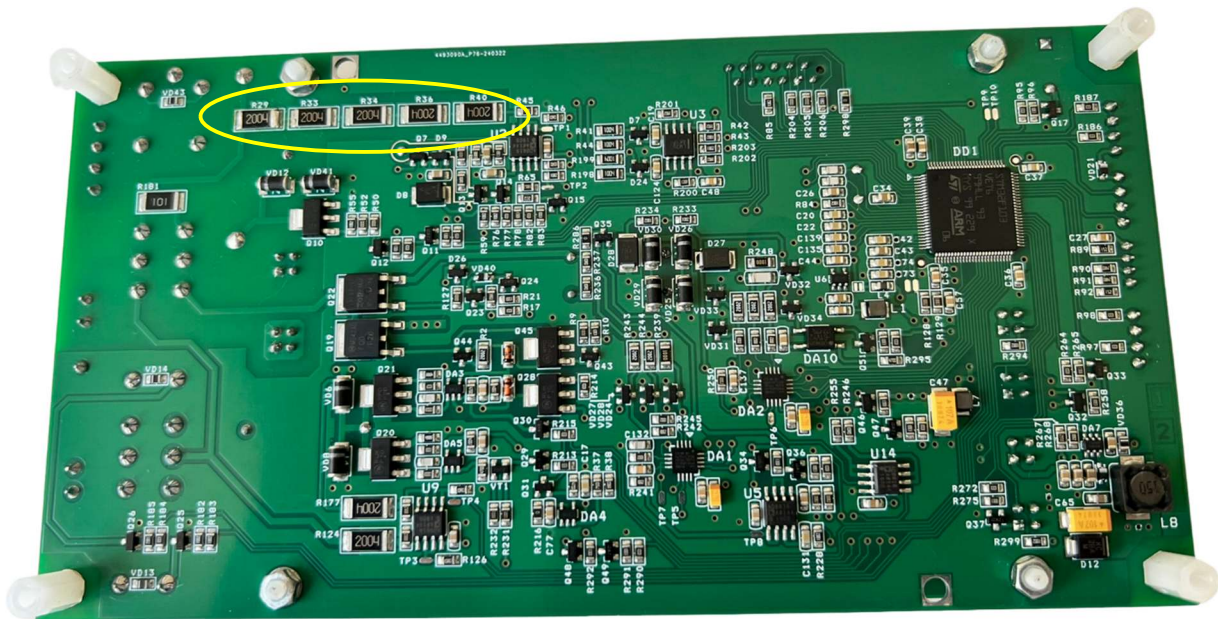
### Troubleshooting and Repair Procedure:

#### 1. Check the Test-Setup:

- Disconnect the crocodile clip from the injector.
- Repeat the insulation resistance test with the injector **disconnected**.
- **Observation:**
  - If the blinking "U" **disappears**, the issue is most likely caused by a **faulty injector** (e.g., damaged insulation or internal leakage).
  - If the "U" continues to **blink**, proceed to step 2.

#### 2. Check the Test Cable:

- Inspect the test cable visually for damage, corrosion, or loose contacts.
- If available, try using a different cable to repeat the test.
- If the problem persists, continue with step 3.



### 3. Inspect the Internal Electronics:

- Carefully open the top cover of the Mega Tester V4.
- Remove both electronic boards from the housing.
- **Focus:** Bottom side of the larger board.
- **Components to check:** Resistors R29, R33, R34, R36, R40.
- Measure the resistance of each component.
  - **Expected value:** Approximately 2 M $\Omega$  per resistor.
  - **Deviation:** If one or more resistors **deviate significantly** from this value (typically **too high**), the faulty resistor(s) must be replaced.

