

Hardware (Green)

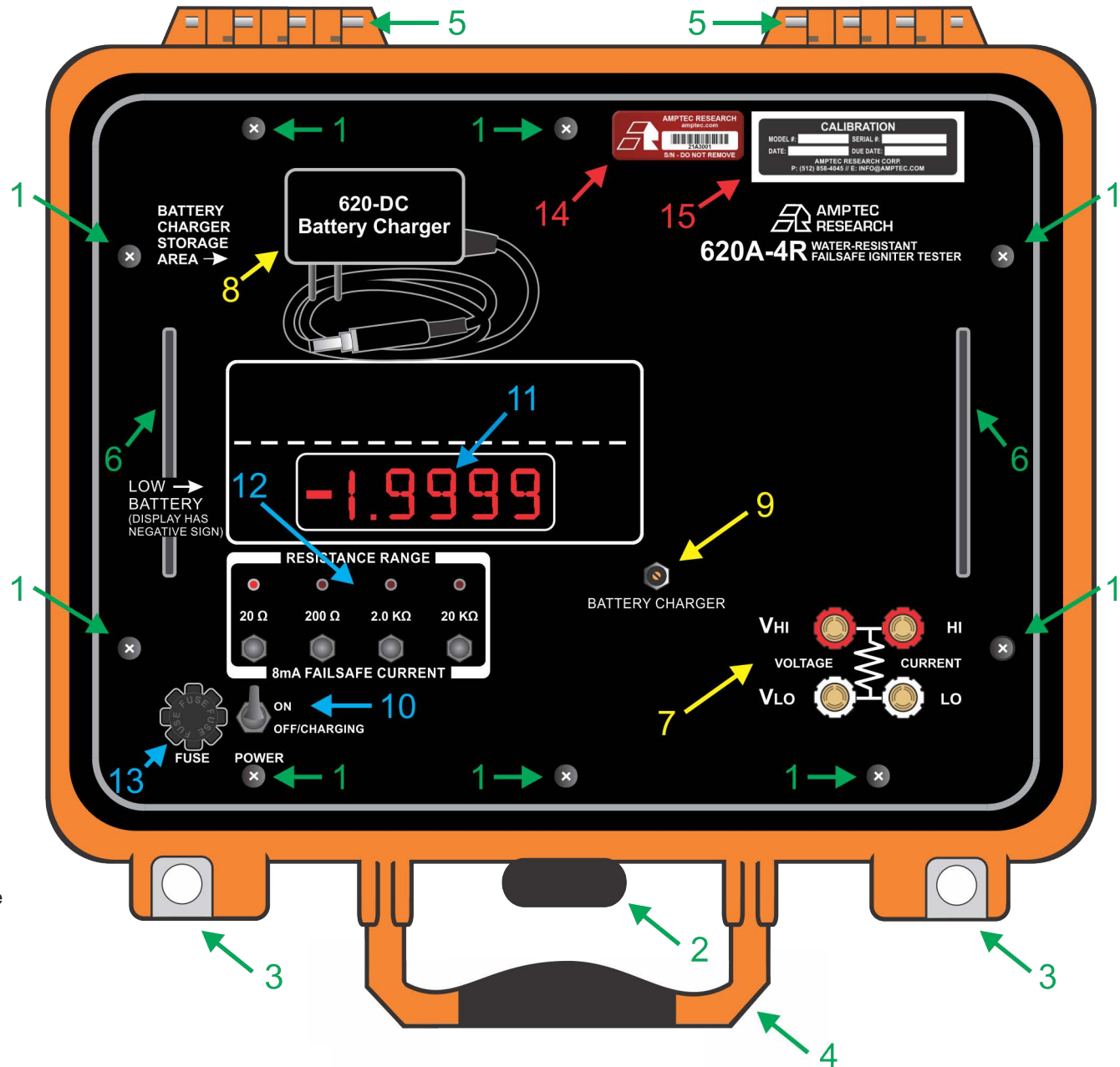
- 1. Calibration Access Screws:** These ten phillips head screws must be removed in order to lift the top plate and calibrate the unit. One screw is located underneath the calibration plate. Note that removing these screws voids the unit's warranty.
- 2. Purge Valve:** This valve is for air pressure equilization.
- 3. Padlock Holes:** When the unit is closed, a padlock can be placed through either hole to provide added security.
- 4. Handle:** Provides unit portability and easy lifting.
- 5. Hinge Pins:** By pulling out these two pins, the unit's lid may be removed.
- 6. Top Plate Handles:** These two handles are for lifting up the unit's top plate once the calibration screws have been removed, revealing the unit's inner circuitry.

Connections (Yellow)

- 7. Banana Jack Terminals:** Used for test lead/probe connections. These terminals are compatible with any 4-wire cable, lead, or probe set that has banana jacks, such as the provided OP-300 set. Connect your cable set by inserting your black cable(s) into the VLO terminals, and your red cable(s) into the VHI terminals. You may also connect bare wires to these terminals by unscrewing the plastic cap, which then exposes a gold post that the wires can be attached to.
- 8. Battery Charger:** The unit's 620-DC battery charger is stored here. Please note the unit's power toggle switch must be in the "OFF/CHARGING" position in order to charge the batteries. The unit cannot perform resistance measurements while charging its batteries.
- 9. Battery Charging Jack:** This DC power jack acts as a receiver for the 620-DC battery charger that comes with the unit. We do not recommend attempting to charge the unit's batteries with any charger not supplied by AMPTEC. The unit's power switch must be placed in the "OFF/CHARGING" position to charge the batteries.

General Operation (Blue)

- 10. Power Switch:** The unit's power toggle switch. Place into the "OFF/CHARGING" position when charging the unit's batteries.
- 11. Display:** The 620A-4R has a 4 1/2 digit LED display that is on a beveled hood for added visibility. A negative sign will be visible on the left side of the display when the unit's battery level is low. The display will flash when the unit is in overrange.
- 12. Resistance Ranges:** The 620A-4R can measure 20 ohms, 200 ohms, 2 Kohms, and 20 Kohms. The desired range can be selected by using the pushbutton switches. These switches are covered by silicone rubber boots to provide protection from the elements. The red LED above each switch indicates which range is selected. Only one range may be selected at a time.
- 13. Fuse Holder:** This houses the unit's 2A fuse required for general operation.



Identification (Red)

- 14. Serial Number Sticker:** This sticker identifies the unit's serial number and should not be removed under any circumstance. The serial number is located below the barcode.
- 15. Calibration Plate:** This sticker shows the date the unit was last calibrated at Amptec's facility. All units carry a 1-year calibration interval. One of the calibration access screws is beneath this plate. Removing this sticker voids your unit's warranty.