Volvo Position Statement: Electric Vehicle (EV) Welding

Volvo released a position statement pertaining to Electric Vehicle (EV) Welding. Let's see what Volvo recommends when welding on an EV.

The Volvo Electric Vehicle (EV) Welding position statement provides precautions for when to disconnect the 12 V and high-voltage (HV) batteries and when HV components or the HV battery requires removal.

Per the document:

"Always disconnect the 12 V battery prior to welding"

"Always de-energize the high-voltage before welding."

"If the welding must be carried out in the immediate vicinity of an electronic unit/high voltage battery, then the electronic unit/high voltage battery must be removed."

"If there is any visible damage to the battery casing, the battery must go to an authorized Volvo workshop."

Volvo lists examples of areas where, if welding is being performed, the HV battery or components needs to be removed. Volvo recommends the use of squeeze-type resistance spot welding (STRSW) unless stated otherwise in repair procedures.

Always utilize proper personal protective equipment (PPE) and follow OEM procedures when working on HV systems.

For additional Volvo information, check out the Volvo OEM Information page.