



Quick Charge: EV Safety Snapshot

A quick safety guide to help your team stay alert and safe around high-voltage EV systems

5 Power Moves for Safer, Smarter Disconnects

The Shop Secret Every Pro Knows

Behind every safe EV repair is one move that sets the tone for the whole job: the high voltage disconnect. It is more than flipping a switch. It is the step that separates guesswork from professionalism.

Do it right, and every task that follows is on solid ground. Diagnostics are cleaner. Repairs are smoother. Crews know the energy is controlled and can focus on the work.

Customers see it too. They recognize a shop that runs with discipline and safety built into the process from the start.

The best shops make the disconnect part of their culture. Everyone knows the sequence, respects the signals, and understands this move anchors productivity, uptime, and trust. It's not a hurdle—it's the launchpad that turns a shop into the go-to expert in EV service.

The 5 Power Moves for Safer, Smarter Disconnects

1. Verify Like a Pro

Never trust labels or lights. Confirm zero voltage with the right tools, every time.

2. Run the Playbook

Follow the full sequence — ignition off, discharge, final check. Consistency makes it second nature.

3. Adapt on the Fly

Every EV is different. Aftermarket parts or aging systems can shift things. Skilled techs adjust without missing a beat.

4. Control the Bay

Post the status, use clear signals, and keep everyone in the loop.

5. Train Under Real Pressure

Shops are noisy and fast-paced. Practicing in real conditions makes safe disconnects automatic.

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Smart Training for Every High Voltage Move

High Voltage Disconnect Readiness Checklist

Tools & Equipment

- ☑ Calibrated test instruments at hand
- ☑ PPE needed: HV gloves, mats, and shields in top condition
- ☑ Disconnect kits stored in the bay, not in a back room

Procedures

- ☑ Step-by-step guides for each EV model you service
- ☑ Built-in capacitor discharge times — no guessing
- ☑ Updated instructions that reflect your shop's reality, not just the OEM manual

Roles & Responsibilities

- ☑ A clear disconnect lead for every job
- ☑ Backups trained to step in seamlessly
- ☑ Sign-off required before any hands go under the hood

Training & Drills

- ☑ Crew drills run quarterly to keep skills sharp
- ☑ Simulations that mirror real shop distractions
- ☑ Feedback captured and used to fine-tune every step

Communication & Coordination

- ☑ Status posted in plain sight so no one is left guessing
- ☑ A culture where stopping for safety earns respect, not eye-rolls

What the Top Shops Do

- **Post the Playbook**
Disconnect steps and diagrams are posted at the bay so techs never waste time searching or guessing.
- **Use Clear Triggers**
Everyone knows when to stop, when to isolate, and who takes the lead. No hesitation, no confusion.
- **Customize OEM Guidance**
Older EVs, fleet vehicles, and aftermarket mods rarely match the manual. Top shops adjust procedures to fit real conditions.
- **Practice as a Crew**
Disconnects involve the whole team. Rehearsing together makes handoffs smooth and confident under pressure.
- **Refine Continuously**
Every job and every drill sharpens the process. Feedback becomes faster, safer routines.

Why Crews Choose DEKRA

High voltage disconnects should feel like confidence, not caution. DEKRA training gives your team the practice, mindset, and precision to treat every disconnect like second nature.

With more than a century of safety expertise, we design training that fits your shop, your fleet, and your daily conditions. The result: techs who don't just follow steps, they own them. And customers who know their EVs are in the safest hands.

Flexible EV Safety Training.
For your shop, your fleet, your conditions.

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Questions? Ask an expert!
Visit: dekra.us/ev-safety-training