

How to completely dismantle the distribution box



Overview

In this video, the entire power distribution box is removed including electrical connections on the bottom.

Key Takeaways

Dismantling a distribution box requires turning off power, verifying circuits are de-energized, and carefully removing components while following strict safety protocols. **Safety First**

Before starting, ensure all power is turned off at the main breaker to prevent electric shock. Use a voltage tester to confirm that the distribution box and connected circuits are completely de-energized. Always wear personal protective equipment (PPE), including insulated gloves, safety goggles, and non-conductive footwear .

Step-by-Step Procedure

- **Identify and Label Circuits:** Trace each circuit connected to the distribution box and label them. This prevents accidental disconnection of essential circuits .
- **Lockout/Tagout:** Apply lockout/tagout procedures to ensure no one can restore power while dismantling. Log and tag each circuit for safety verification .
- **Remove Internal Components:** Carefully remove fuses, circuit breakers, RCDs, and any surge protection or smart modules. Keep track of components if they are to be reused .

- **Disconnect Wiring:** Loosen and disconnect all wiring from terminals. Use insulated tools and avoid touching bare conductors .
- **Detach the Box:** Remove mounting screws, bolts, or straps securing the distribution box to the wall or panel. If conduit is attached, carefully disconnect it and plug any open ends according to code .
- **Dispose or Store Components:** Safely store reusable parts or dispose of old components according to local regulations. Ensure any hazardous materials, such as oil from transformers, are properly handled .

Additional Considerations

- **Professional Assistance:** If you are not a licensed electrician, it is strongly recommended to hire a professional, as dismantling a distribution box involves high-voltage risks .
- **Inspection and Maintenance:** After removal, inspect the area for damage, clean connections, and ensure that any remaining electrical infrastructure is safe and code-compliant .
- **Documentation:** Keep a record of removed components and wiring layouts for future reference or reinstallation . By following these steps and prioritizing safety, you can dismantle a distribution box effectively while minimizing the risk of electrical hazards.

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Most of the components are inside of the unit. It is necessary to open the unit in order to access these components. Take care not to

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