

2012-2015 Tesla Model S | Moderate | 1-2 hours | \$280 DIY

TOOLS

10mm Socket Wrench Flathead Screwdriver
Torx T30 Driver Socket Extension
Ratchet Wrench Trim Removal Tool Gloves
Safety Glasses Multimeter 12V Battery
Charger

PARTS

12V Lead-Acid Battery DCS-33 UNCR \$200.00
12V Battery Tray DCS-33RIT \$50.00
12V Battery Cable 1005653-00-C \$30.00

STEPS

- 1 Prepare the vehicle - Park on level ground, set the parking brake, and open the hood (or access panel).** Note radio presets and any power-window/sunroof settings that may reset. On EVs/hybrids the 12V battery may be in the cargo area, under a rear seat, or under...
- 2 Disconnect negative first - Loosen the negative (-) terminal clamp and remove it first,** then disconnect the positive (+). Keep the negative cable clear of the terminal so it cannot spring back into contact.
- 3 Remove the hold-down - Remove the battery hold-down clamp, J-bolt, or tray fastener.** Note the group size stamped on the old battery and the terminal orientation before lifting.
- 4 Lift out the old battery - Lift the battery straight up and out. Batteries are heavy -** use a battery lifting strap if available. Keep it upright to avoid acid spills.
- 5 Clean the tray and terminals - Clean corrosion from the tray and cable ends with a wire brush and battery terminal cleaner.** Dry the tray and check the tray drain is clear.
- 6 Install the new battery - Set the new battery in the tray matching group size and terminal orientation.** Install and tighten the hold-down snugly - do not crush the case.
- 7 Reconnect positive first - Connect the positive (+) cable first, then the negative (-).** Ensure clamps are tight and protected with covers. Do not overtighten soft lead posts.
- 8 Reset and verify - Start the vehicle and confirm charging/12V system status is normal.** Reset the clock/radio. Some vehicles need a window/sunroof or battery registration reset after replacement.