2024-2026 Mazda CX-90 - 12V Battery Replacement

2024-2026 Mazda CX-90 | Easy | 30-90 minutes | $180 DIY

TOOLS

10 mm wrench or socket, ratchet, and short extension Battery terminal brush and electrical-safe cleaner Memory saver only if the vehicle procedure permits it Gloves, eye protection, and a small flashlight

PARTS

Replacement 12-volt battery for 2024-2026 Mazda CX-90; verify group size, CCA, terminal layout, and VIN fitment $180.00 Anti-corrosion terminal protectant or felt washers (optional) $8.00

STEPS

1. **Verify battery fitment and charging symptoms - Confirm the job on your 2024-2026 Mazda** CX-90, and understand this SUV carries two different batteries: the conventional 12V lead-acid battery in the engine bay - the one this guide covers - and a separate 48V M Hybrid Boost lithium batter...
2. **Make the vehicle safe and preserve settings when permitted - Park the CX-90 on level** ground, shift to Park, set the parking brake, and switch the ignition fully off. Pop the hood - the 12V battery sits in the engine bay in a tray with a hold-down bracket. Keep the key fob away from the vehicle so th...
3. **Disconnect the old battery - Remove the hold-down bracket and any cover from the 12V** battery. Disconnect negative first, then positive - don’t twist the posts or short your wrench on the body. Work only on the 12V battery’s cables; leave the hybrid system’s wiring a...
4. **Compare and install the replacement - Match the new battery: same JIS D23 / Group 35-size** case, terminal layout, at least 465 CCA and 65Ah. Clean tray and cable ends; set it in, snugging the hold-down without crushing the case. Positive first, then negative; confirm terminals...
5. **Reset and verify operation - Start the CX-90: charging light out, cranking brisk; reset** the clock and idle so ECM re-learns idle. If the battery light stays on, a terminal feels hot, or you smell sulfur, stop - persistent faults may involve the 48V side, which is de...

TORQUE

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