# DIY Car Battery Replacement

This playbook outlines a step-by-step procedure for safely removing an old car battery and installing a new one in a vehicle, including appropriate disposal of the old battery.

### Step 1: Preparation

Gather all necessary tools including a wrench, new battery, gloves, and safety goggles. Ensure the car is turned off and parked on a flat surface.

### Step 2: Battery Location

Locate the car battery, usually found under the hood. Some vehicles may have it located in the trunk or under a seat.

### Step 3: Safety First

Put on gloves and safety goggles to protect against battery acid and potential sparks. Confirm the car's ignition is off.

### Step 4: Disconnect Cables

First, disconnect the negative (-) cable followed by the positive (+) cable. Use a wrench to loosen the terminal bolts, being careful to avoid contact with any metal surfaces to prevent short circuits.

### Step 5: Remove Battery

Remove any brackets or clamps holding the battery in place using the appropriate tools. Carefully lift the battery out of its tray and set it aside.

### Step 6: Inspect & Clean

Inspect the battery tray and surrounding area for damage or corrosion. Clean the tray and cable connectors with a wire brush or cleaning solution if necessary.

### Step 7: Install New Battery

Place the new battery into the tray, ensuring it is properly oriented and secure it with the brackets or clamps.

### Step 8: Reconnect Cables

Reconnect the positive (+) cable and tighten the clamp, then follow with the negative (-) cable. Make sure all connections are secure.

### Step 9: Test & Verify

Start the car to ensure the new battery is functioning correctly. Check that all electronic components are operational.

### Step 10: Dispose Old Battery

Take the old battery to a recycling center or auto parts store for proper disposal.

## General Notes

### Battery Types

Make sure to purchase the correct type of battery for your vehicle model as specified in the owner's manual.

### Memory Saver

Consider using a memory saver device to preserve electronic settings such as radio presets and clock time when disconnecting the battery.

### Safety

Always work in a well-ventilated area and keep open flames or sparks away from the battery to prevent an explosion.