2012-2016 Honda CR-V - DIY Alternator Replacement

2012-2016 Honda CR-V | Advanced | 2-3 hours | $325 DIY

TOOLS

10mm Deep Socket 12mm Deep Socket 14mm Deep Socket 8mm Hex Socket Socket Wrench Socket Extensions Serpentine Belt Tool Wrench Set Jack Stands Floor Jack

PARTS

Alternator (2012-2014) Denso 104210-1530 $200.00
Alternator (2015-2016) Honda 31100-5X6-J01 $200.00
Serpentine Belt $50.00
Alternator Belt Tensioner $75.00

STEPS

1. **Disconnect the battery - Park on level ground and set the parking brake. Disconnect the** negative battery cable on the 2012-2016 Honda CR-V and isolate it so it cannot spring back. Wear gloves and eye protection. Never work on the charging circuit with the battery...
2. **Relieve belt tension and remove the belt - Note or photograph serpentine-belt routing.** Rotate the tensioner to relieve pressure and slip the belt off the alternator pulley. Inspect the belt for cracks or glazing while it is off.
3. **Unplug connectors and B+ cable - Unplug the alternator field/regulator connector. Remove** the protective boot and nut from the B+ output stud, then free the heavy cable. Label any ground straps or secondary connectors so they return to the correct terminals.
4. **Remove the alternator - Maneuver the unit out of the engine bay - on some 2012-2016 Honda** CR-V layouts you may need to loosen an intake duct, fan shroud, or splash shield for clearance.
5. **Compare - On the 2012-2016 Honda CR-V: compare pulley diameter, clocking, and connector** style on the new alternator. Confirm the pulley spins freely. Note: the 2012-2014 and 2015-2016 CR-V use different alternators - match the replacement unit to...
6. **Install the new alternator - Position the new alternator, start all bolts by hand, then** tighten to the specified torque. Reconnect the B+ cable and protective boot, plug in the connector until it clicks, and verify no wires are pinched.
7. **Refit the serpentine belt - Route the belt per your photo or the under-hood diagram and** release the tensioner so ribs seat fully in every pulley. Double-check alignment on the alternator pulley.
8. **Reconnect battery and verify charging - Reconnect the negative battery cable. Start the** 2012-2016 Honda CR-V and measure charging voltage (typically ~13.5-14.7 V at idle with lights on). Listen for belt noise and confirm no battery/charging warning lamp remains illuminated.

TORQUE

Terminal nut 12mm 12 Nm 9 ft-lbs

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