2008-2017 Buick Enclave - Alternator Replacement

2008-2017 Buick Enclave | Advanced | 2-3 hours | $220 DIY

TOOLS

13mm Socket 15mm Wrench 15mm Socket Jack Stands E8 Inverted Torx Socket Safety Glasses Gloves Wheel Chocks 10mm Socket Ratchet Floor Jack T20 Socket 13mm Wrench

PARTS

Alternator TRQ ALA90104 $219.95

STEPS

1. **Disconnect Battery (170A Denso!) - You'll need: new 170A Denso alternator, basic sockets,** belt tool. The replacement MUST have the 6-groove clutch/decoupler pulley. This alternator is shared with the Traverse, Acadia, and Outlook 3.6L. Disconnect the NEGATIVE battery termin...
2. **Remove Serpentine Belt - Release the serpentine belt tensioner and slip the belt off the** alternator's 6-groove clutch pulley (standard GM tensioner). Note the belt routing - the 6-groove belt must align correctly - and do not let the tensioner snap back.
3. **Disconnect Electrical - Disconnect the battery cable terminal (nut-secured) and the** regulator connector plug. The 170A Denso's high output means a heavy-gauge B+ cable - make sure the connection is clean and tight on reinstall, and that the regulator connector...
4. **Unbolt and Remove Alternator - Unbolt the alternator from its bracket and extract it. The** Enclave's 3.6L bay is tight, so maneuver - do not force it. The 170A unit is larger than a standard alternator; account for the size on removal.
5. **Install New 170A Denso - Install the new 170A Denso alternator - verify it has the** 6-groove CLUTCH pulley. Reconnect the battery cable and regulator plug. Reinstall the serpentine belt - ensure correct routing and groove alignment. The clutch pulley is critica...
6. **Reconnect Battery, Test Voltage - Reconnect the negative battery terminal. Start the** engine - test charging voltage: 13.5-14.5V at the battery running. Shared with Traverse/Acadia - the part is widely available.

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