2019-2024 Chevrolet Silverado 1500 - Alternator

2019-2024 Chevrolet Silverado 1500 | Moderate | 2 hours | $230 DIY

TOOLS

10mm Socket 15mm Socket 13mm Socket Breaker Bar Torque Wrench Flathead Screwdriver Ratchet Crowbar Gloves Safety Glasses

PARTS

Alternator ACDelco 84143543 $230.00

STEPS

1. **Check RPO (150/170/220A!) - The 2019-2024 Chevrolet Silverado 1500 (T1, 5.3L V8)** alternator replacement: THREE amperages exist - 150A standard, 170A option (KW7), 220A option (KW5). CHECK YOUR RPO STICKER (glovebox) BEFORE ORDERING - the truck could have any of...
2. **Note the 6-groove belt routing - The Silverado’s 5.3L has good access - the top-mount** alternator is right there. Note the 6-groove routing. The decoupler pulley must be on the replacement (not solid).
3. **Disconnect Electrical - Disconnect the alternator electrical: the battery cable and** regulator plug. The Silverado’s top-mount means easy access to the connections. The Denso’s internal regulator plug should click. Ensure the B+ cable is clean.
4. **Unbolt (watch sliding spacers!) - CAUTION: the aluminum bracket has SLIDING SPACERS - do** NOT hammer them. If the alternator won’t seat, back the spacers out or file the alternator holes slightly (don’t force).
5. **Install Correct-Amperage Denso - Install the new Denso alternator - VERIFY the amperage** matches your RPO (150A std, 170A KW7, 220A KW5). Ensure the sliding spacers are positioned correctly (don’t hammer). Reconnect the battery cable and regulator plug. Reinstall the ser...
6. **Reconnect Battery, Test Voltage - Reconnect the negative battery terminal. Start the** engine - test charging voltage: 13.5-14.5V running. The Silverado’s 5.3L should charge normally. The THREE-amperage RPO split (150/170/220A) is the #1 trap - always check the sticker....

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