2011-2015 Chevrolet Cruze - Ignition Coil

2011-2015 Chevrolet Cruze | Moderate | 1 hour | $180 DIY

TOOLS

T-30 Torx bit or socket (1.4L turbo cassette screws)
5/8-in (16mm) spark plug socket, rubber-insert or magnetic
3/8-in drive ratchet with extension
Small metric socket set (1.8L coil hold-down bolts; exact head size unconfirmed, match on the car)
Spark plug gap gauge, wire or feeler type
Dielectric grease
OBD-II scanner (optional)
Gloves, safety glasses, and shop rags

PARTS

Ignition coil rail/cassette, GM 55579072 / ACDelco D521C (1.4L turbo; one unit covers all 4 cylinders) 55579072 $148.61
Ignition coil rail/cassette, NGK 96739-07594103 (1.4L turbo) 96739-07594103
Ignition coil rail/cassette, Standard UF669 (1.4L turbo) UF669 $181.99
Coil cassette screws, ACDelco 11098802 (1.4L turbo; M6-1.0, 66mm long) 11098802 $6.99
Ignition coil, GM 55561655 / 25186687 / ACDelco 25186687 (1.8L; one per cylinder, 4 required) 55561655
Ignition coil, Delphi GN10234 (1.8L; one per cylinder, 4 required) GN10234 $133.99
Ignition coil, Standard UF620 (1.8L; one per cylinder, 4 required) UF620 $156.99
Spark plugs, ACDelco 41-121 (NGK IFR7X7G, stock 91039; 1.4L turbo; laser iridium, pre-gapped 0.027-0.028 in) 41-121 $13.49
Spark plugs, NGK IFR6Z7G, stock 95609 (1.8L; laser iridium, pre-gapped 0.027-0.028 in) IFR6Z7G $23.99

STEPS

1. **Safety first: cold engine, battery disconnected - Work on a cold engine. Disconnect the negative battery** cable before starting any electrical work. Wear gloves...
2. **1.4L turbo: remove the engine cover - On the 1.4L turbo (LUJ for 2011-2012, LUV for 2013-2015), pull the** plastic engine cover straight up. It has n...
3. **1.4L turbo: disconnect the cassette connector - Disconnect the single main electrical connector from the** coil cassette. It uses a purple sliding lock tab: sl...
4. **1.4L turbo: remove the T-30 cassette screws - Remove the two Torx screws holding the cassette with a T-30** Torx bit. This size is confirmed by multiple sour...
5. **1.4L turbo: lift the cassette off - Pull the cassette straight up off the spark plugs, wiggling gently if** it is stuck on the plug boots. Keep the...
6. **1.4L turbo: inspect the plug wells - While the cassette is off, inspect the spark plug wells for oil,** coolant, or debris.
7. **1.4L turbo: replace the spark plugs (optional) - If servicing the plugs, remove them with a 5/8-in (16mm)** spark plug socket. Install ACDelco 41-121 (NGK IFR7X...
8. **1.4L turbo: grease the cassette boots - Put a small amount of dielectric grease in each boot opening. It** helps seal out moisture and makes the next r...
9. **1.4L turbo: install the new cassette - Press the new cassette straight down until each boot seats fully on** its plug. Reinstall the two T-30 screws a...
10. **1.4L turbo: reconnect and test - Reconnect the main electrical connector until it clicks and the purple** lock tab is engaged. Reinstall the eng...
11. **1.8L: disconnect battery, remove engine cover - On the 1.8L naturally aspirated engine (LUW/LWE),** disconnect the negative battery cable and remove the plasti...
12. **1.8L: disconnect the coil connectors - Release the locking tab on each coil's individual electrical** connector and unplug it. One connector per coil.
13. **1.8L: remove the coil hold-down bolts - Catalog data shows two mounting holes per coil on the Delphi** design. Exact bolt head size was not confirmed i...