2006-2011 Honda Civic 1.8L - Spark Plug Replacement

2006-2011 Honda Civic | Moderate | 45 minutes | $55 DIY

TOOLS

10mm Socket Flathead Screwdriver Jack Stands Torque Wrench Socket Extensions Socket Driver Spark Plug Socket Ratchet Safety Glasses Pocket Screwdriver

PARTS

NGK Laser Iridium Spark Plugs 6774 $50.00
Dielectric Grease $5.00

STEPS

1. **Cool the engine (verify 1.8L) - The 2006-2011 Honda Civic 1.8L (R18A) uses NGK IZFR6K-11S** laser iridium plugs. Gap: 0.044" (pre-gapped, do not adjust). Torque: 13 ft-lbs. You'll need: 4x NGK IZFR6K-11S, spark plug socket, extension. Note: this is the 1.8L ONLY - excl...
2. **Access the ignition coils - Remove the engine cover. The 1.8L R18A uses coil-on-plug - 4** coils on top of the valve cover. This is the 8th-gen Civic's simple layout. Unplug any connectors in the way. The 1.8L's bay is uncluttered - the plug job is straightforward.
3. **Remove one coil at a time - Unplug the connector, unbolt the coil (10mm), pull it** straight out. The 1.8L's coils are reliable - inspect the boots. The R18A is a simple, robust engine - the coils last well. Don't mix them up (though they're identical).
4. **Remove the old spark plug - Remove the old NGK IZFR6K-11S with your socket. The old laser** iridiums should show normal wear. If a plug is oil-fouled, check the valve-cover gasket (the 8th-gen's gaskets age). The shallow wells make removal easy. Don't drop debris in.
5. **Gap and hand-thread the new plug - The new NGK IZFR6K-11S laser iridium comes pre-gapped** at 0.044" - DO NOT re-gap (laser iridium tips are fragile). NEVER wrench-start - the 1.8L's aluminum head strips. If it binds, back out. Ensure it's the IZFR6K-11S (not the 2012+ DI...
6. **Torque to 13 ft-lbs - Torque to 13 ft-lbs. Use a torque wrench. Don't over-torque. The** easy access means you can get the torque wrench straight on - no excuses for guessing. Precise torque prevents blow-by and stripped threads.
7. **Reinstall the coil - Reinstall the coil - seat it firmly, bolt it (10mm), reconnect the** connector (click). Repeat for all 4, one at a time. Reinstall the engine cover. Verify all connectors are clicked.
8. **Reassemble and test - Start the engine - the 1.8L R18A should idle smoothly and quietly.** Check for codes. The 2006-2011 Civic 1.8L's plug job is the simplest here - 30 minutes, top access, no complications. Test drive: the R18A should feel responsive.

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