2004-2007 Cadillac CTS 3.6L - Spark Plug

2004-2007 Cadillac CTS | Moderate | 2-3 hours | $50 DIY

TOOLS

10mm Socket Flathead Screwdriver Jack Stands Torque Wrench Extension Bar Ratchet Wrench Spark Plug Socket Socket Set Pliers Gloves

PARTS

Spark Plugs $50.00

STEPS

1. **Cool the engine (verify 2004+ LY7!) - The 2004-2007 Cadillac CTS 3.6L (LY7 V6) uses** ACDelco 41-990 double platinum plugs. Gap: 0.043". Torque: 15 ft-lbs. Note: the title may say ’2003-2007,’ but the 2003 CTS had the 3.2L (not the 3.6L LY7). The 3.6L LY7 is 2004-2007 ONLY...
2. **Access the ignition coils - Remove the engine cover. The LY7’s layout is straightforward** - no plenum removal needed for basic access (unlike the later DI 3.6Ls). Unplug any connectors blocking access. The port-injected LY7 is simpler than the later direct-injected...
3. **Remove one coil at a time - Unplug the connector, unbolt the coil, pull it straight out.** The 2004-2007 CTS is getting old - the boots may be brittle. Replace any damaged boots. Don’t mix up the coils.
4. **Remove the old spark plug - Remove the old ACDelco 41-990 with your socket. The old** double platinums should show normal LY7 wear. If a plug is oil-fouled, the valve-cover gaskets are likely leaking (common on the aging LY7). Don’t drop anything into the wells. Verify...
5. **Gap and hand-thread the new plug - The new ACDelco 41-990 double platinum comes gapped at** 0.043" - verify (double platinum can be carefully adjusted if needed). Hand-thread the new plug into the LY7’s head until it seats. NEVER wrench-start - the aluminum heads strip. T...
6. **Torque to 15 ft-lbs - Torque to 15 ft-lbs. Use a torque wrench. Do not over-torque - the** aluminum heads strip. The accessible layout means precise torquing is easy. The 15 ft-lbs ensures good seal for the port-injected combustion.
7. **Reinstall the coil - Reinstall the coil - seat it firmly, bolt it down, reconnect the** connector (click). Repeat for all 6, one at a time. Reinstall the engine cover. Verify all connectors are clicked.
8. **Reassemble and test - Start the engine - the 3.6L LY7 should idle smoothly with its V6** burble. Check for misfire codes. The 2004-2007 CTS’s LY7 is port-injected and robust - the plug job is simple. Test drive: the LY7 should pull cleanly. The ACDelco 41-990...

TORQUE

Spark plugs 20 Nm 15 ft-lbs

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