

MAIN WELCOME PAGE	
INSTRUCTIONS	
PM Service Manual	
FOREWORD	
GROUP TAB LOCATOR	
1-INTRODUCTION	
2-LUBRICATION & MAINTENANCE	
3-SUSPENSION	
4-DIFFERENTIAL & DRIVELINE	
5-VEHICLE QUICK REFERENCE	
6-BRAKES	
7-CLUTCH	
8-COOLING	
9-AUXILIARY	
10-ENGINE SYSTEMS	
11-ELECTRONIC CONTROL MODULES	
12-HEATED SYSTEMS	
13-IGNITION	
14-IGNITION CONTROL	
15-INSTRUMENT CLUSTER	
16-LAMPS	
17-MESSAGE SYSTEMS	
18-POWER SYSTEMS	
19-RESTRAINTS	
20-SPEED CONTROL	
21-VEHICLE THEFT PROTECTION	

2-11. JUMP-TEST ON SIGNAL CIRCUIT (CONTINUED) (VEHICLE)

Turn the ignition off.

Disconnect the Powertrain Control Module (PCM) connector.

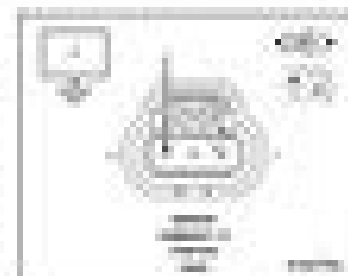
Turn the ignition on.

Measure the voltage of the crank-CMP (1) signal circuit in the Camshaft (1) Position Sensor harness connector.

Is there any voltage present?

- Yes → Repair the crank-CMP (1) signal circuit for a short to voltage.
- No → Perform the other tests below. Test the 1 (State to 2) - circuit - (continued) and terminals.

Go → Go to 12.



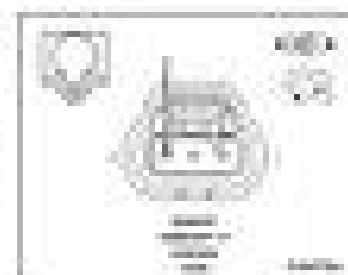
2-12. JUMP-TEST ON SIGNAL CIRCUIT (CONTINUED) (VEHICLE)

Turn the ignition off.

Measure the resistance between ground and the crank-CMP (1) signal circuit in the Camshaft (1) Position Sensor harness connector.

Is the resistance about 500 ohms?

- Yes → Go to 13.
- No → Repair the crank-CMP (1) signal circuit for a short to ground.
- Perform the other tests below. Test the 1 (State to 2) - circuit - (continued) and terminals.

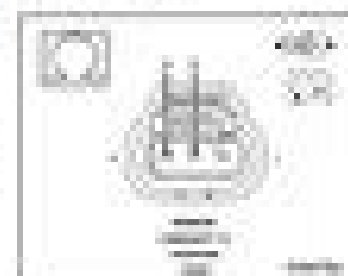


2-13. JUMP-TEST ON SIGNAL CIRCUIT (CONTINUED) (VEHICLE) (SECOND CIRCUIT)

Measure the resistance between the crank-CMP (2) signal circuit and the crank-CMP (2) signal circuit in the Camshaft (1) Position Sensor harness connector.

Is the resistance about 500 ohms?

- Yes → Go to 14.
- No → Repair the crank-CMP (2) signal circuit for a short to the crank-CMP (2) signal circuit.
- Perform the other tests below. Test the 1 (State to 2) - circuit - (continued) and terminals.



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Helming



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Star Observer Magazine June 2015 Elias Jahshan, 2015-05-19 **Cambio 16**, 2004 *La Economía Argentina*, 2010
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Table of Contents Manual Kia Cerato 2010

1. Understanding the eBook Manual Kia Cerato 2010
 - The Rise of Digital Reading Manual Kia Cerato 2010
 - Advantages of eBooks Over Traditional Books
2. Identifying Manual Kia Cerato 2010
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Manual Kia Cerato 2010
 - User-Friendly Interface
4. Exploring eBook Recommendations from Manual Kia Cerato 2010
 - Personalized Recommendations
 - Manual Kia Cerato 2010 User Reviews and Ratings
 - Manual Kia Cerato 2010 and Bestseller Lists

5. Accessing Manual Kia Cerato 2010 Free and Paid eBooks
 - Manual Kia Cerato 2010 Public Domain eBooks
 - Manual Kia Cerato 2010 eBook Subscription Services
 - Manual Kia Cerato 2010 Budget-Friendly Options
6. Navigating Manual Kia Cerato 2010 eBook Formats
 - ePub, PDF, MOBI, and More
 - Manual Kia Cerato 2010 Compatibility with Devices
 - Manual Kia Cerato 2010 Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Manual Kia Cerato 2010
 - Highlighting and Note-Taking Manual Kia Cerato 2010
 - Interactive Elements Manual Kia Cerato 2010
8. Staying Engaged with Manual Kia Cerato 2010
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Manual Kia Cerato 2010
9. Balancing eBooks and Physical Books Manual Kia Cerato 2010
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Manual Kia Cerato 2010
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Manual Kia Cerato 2010
 - Setting Reading Goals Manual Kia Cerato 2010
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Manual Kia Cerato 2010
 - Fact-Checking eBook Content of Manual Kia Cerato 2010
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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