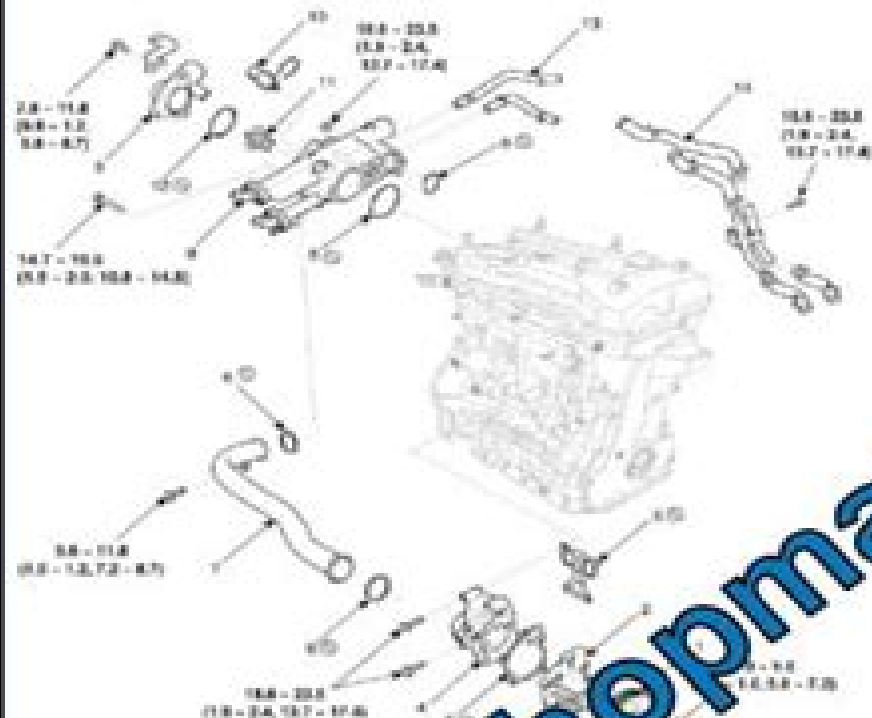


KIA Optima 2010-2015 Workshop Manual

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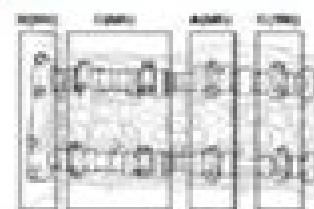
Torque : Nm (kgf.m, ft.lf)

| | | |
|----------------------------|-------------------------|-------------------------------------|
| 1. Water pump pulley | 6. O-ring | 11. Thermostat |
| 2. Water pump sub-assembly | 7. Water pump | 12. Thermostat gasket |
| 3. Water pump gasket | 8. Water pump assembly | 13. Thermostat body insulator hoses |
| 4. Water pump cover | 9. Water pump assembly | 14. Oil cooler contact hoses |
| 5. Water pump cover gasket | 10. Water pump assembly | |

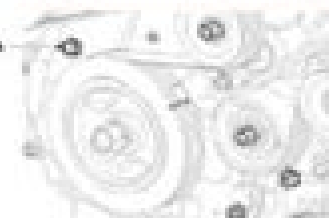
Engine Mechanical System - Cooling System - Water pump - Repair procedures

Removal of water pump

1. Loosen the drain plug and drain the engine coolant. Remove the radiator cap to drain with speed.



Tightening torque :
11.2 - 14.7N.m (1.2 - 1.5kgf.m, 8.7 - 10.9ft.lf)



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BM King



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Table of Contents Kia Optima Shop Manual

1. Understanding the eBook Kia Optima Shop Manual
 - The Rise of Digital Reading Kia Optima Shop Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Kia Optima Shop Manual
 - 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 Kia Optima Shop Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Kia Optima Shop Manual
 - Personalized Recommendations
 - Kia Optima Shop Manual User Reviews and Ratings
 - Kia Optima Shop Manual and Bestseller Lists

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