

Hyundai Matrix 2001-2010 Workshop Manual

MAIN MOVING SYSTEM

EMA -31

1. Tighten the bearing cap to the specified torque in two or three steps as shown.

Tightening torque

Bearing cap bolt :

12 - 14Nm (120 - 140kg.cm, 9 - 10ft.lb)

Camshaft sprocket side



Illustration

6. Using the special tool, camshaft oil seal installer (98221-01000), press fit the camshaft oil seal. Be sure to apply engine oil to the oil seal lip. Insert the oil seal along the camshaft front end and install by driving the installer with a hammer until the oil seal is fully seated.



Illustration

7. Install the camshaft sprocket bolt to the specified torque.

Tightening torque

Camshaft sprocket bolt :

60 - 100Nm (600 - 1000kg.cm, 44 - 72ft.lb)



Illustration

8. Align the camshaft sprocket and crankshaft sprocket timing marks. Place the piston in the No.1 cylinder to top dead center on the compression stroke.

9. Install the cylinder head cover.

Tightening torque

Cylinder head cover bolt :

6-10Nm (60-100kg.cm, 5-7ft.lb)



Illustration

10. Install the spark plug cables, ignition coil assembly and cylinder head center cover.

11. Install the timing belt and then tighten the timing tensioner pulley.

12. Install the timing belt cover.

Tightening torque

Timing belt cover : 6-10Nm (60-100kg.cm, 5-7ft.lb)

13. Install the water pump and crankshaft pulley.



Illustration

CYLINDER BLOCK

ENGINE MOUNTS

COMPONENTS

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TM -23



TORQUE : Nm (kg.cm, ft.lb)

Manual For Hyundai Matrix

Padhraic Smyth



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Table of Contents Manual For Hyundai Matrix

1. Understanding the eBook Manual For Hyundai Matrix
 - The Rise of Digital Reading Manual For Hyundai Matrix
 - Advantages of eBooks Over Traditional Books
2. Identifying Manual For Hyundai Matrix
 - 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 For Hyundai Matrix
 - User-Friendly Interface
4. Exploring eBook Recommendations from Manual For Hyundai Matrix
 - Personalized Recommendations
 - Manual For Hyundai Matrix User Reviews and Ratings
 - Manual For Hyundai Matrix and Bestseller Lists
5. Accessing Manual For Hyundai Matrix Free and Paid eBooks
 - Manual For Hyundai Matrix Public Domain eBooks
 - Manual For Hyundai Matrix eBook Subscription Services
 - Manual For Hyundai Matrix Budget-Friendly Options

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