

# Hyundai Matrix 2001-2010 Workshop Manual

## MAIN MOVING SYSTEM

EMA-37

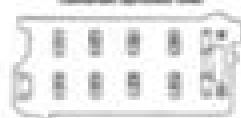
1. Tighten the bearing caps to the specified torque in two or three steps as shown.

### Tightening torque

Bearing cap bolt :

12 - 14Nm (125 - 140kg-cm, 9 - 10ft-lb)

Crankshaft sprocket cap



Illustration

2. Using the special tool, crankshaft oil seal installer (88001-00000), press fit the crankshaft oil seal. Be sure to apply engine oil to the oil seal lip. Insert the oil seal along the crankshaft front end and make it strong the installer with a hammer until the oil seal is fully seated.



Illustration

3. Install the crankshaft sprocket bolts to the specified torque.

### Tightening torque

Crankshaft sprocket bolt :

80 - 100Nm (800 - 1000kg-cm)



Illustration

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

5. Install the cylinder head cover.

### Tightening torque

Cylinder head cover bolt :

6 - 10Nm (55 - 100kg-cm, 4 - 7ft-lb)



Illustration

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

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

12. Install the timing belt cover.

### Tightening torque

Timing belt cover : 8 - 10Nm (65 - 85kg-cm)

13. Install the camshaft sprocket and camshaft pulley.



Illustration

## CYLINDER BLOCK

### ENGINE MOUNTS

#### COMPONENTS

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TM-22



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

# Hyundai Matrix Technical Manual

**Lei Huang**



## **Hyundai Matrix Technical Manual:**

## Reviewing **Hyundai Matrix Technical Manual**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is really astonishing. Within the pages of "**Hyundai Matrix Technical Manual**," an enthralling opus penned by a very acclaimed wordsmith, readers set about an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve in to the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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