

# 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 cap



WORK

6. Using the special tool, camshaft oil seal installer (99221-01000), 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 sliding the installer with a hammer until the oil seal is fully seated.



WORK

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

### Tightening torque

Camshaft sprocket bolt :

60 - 100Nm (600 - 1000kg.cm)



WORK

8. Align the camshaft sprocket and camshaft sprocket timing marks. Place the piston in the No.1 cylinder in 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)



WORK

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

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

12. Install the timing belt cover.

### Tightening torque

Timing belt cover : 6-10Nm (60)

13. Install the coolant pump and camshaft pulley.



WORK

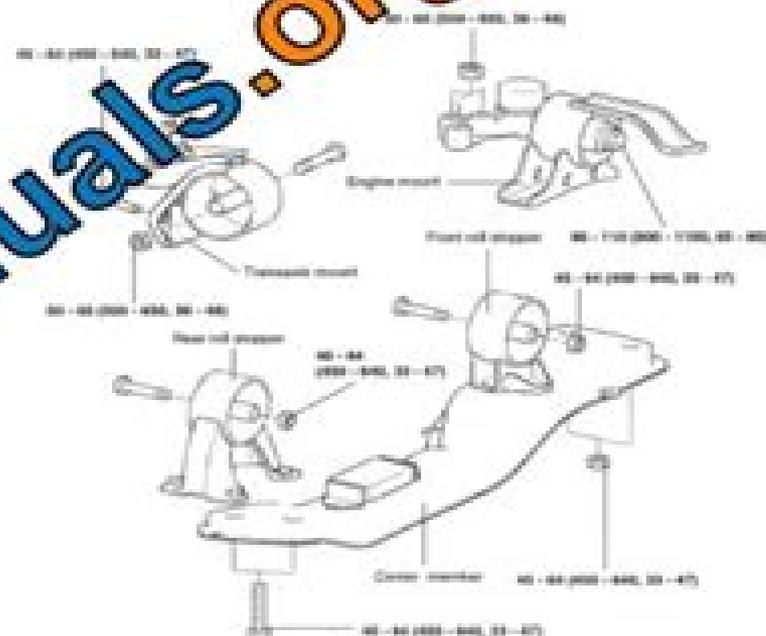
## CYLINDER BLOCK

TM-22

## ENGINE MOUNTS

### COMPONENTS

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

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# Matrix Hyundai User Manual

**Michael Hoelscher**



## **Matrix Hyundai User Manual:**

## The Enigmatic Realm of **Matrix Hyundai User Manual**: Unleashing the Language is Inner Magic

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