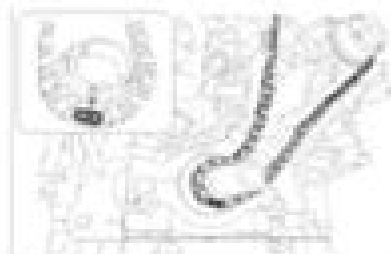


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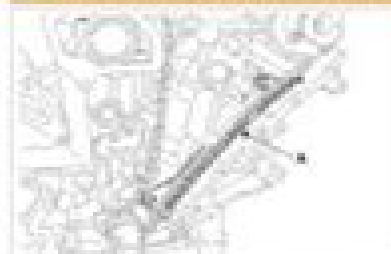
NOTICE

To install the timing chain with no slack between each shaft (cam, crank), follow the below procedure.
Crankshaft sprocket → Timing chain guide → Exhaust camshaft sprocket → Intake camshaft sprocket.
The timing mark of each sprocket should be matched with timing mark (color link) of timing chain at installing.

6. Install the LH timing chain guide (A).

Tightening torque

10.0 ~ 24.5N·m (2.0 ~ 2.5kgf·m, 14.5 ~ 18 lbf·ft)



7. Install the LH timing chain sub-tensioner (A) and LH timing chain tensioner (B).

Tightening torque

A : 9.0 ~ 11.0N·m (1.0 ~ 1.2kgf·m, 7.2 ~ 8.75 lbf·ft)

B : 10.0 ~ 25.0N·m (1.0 ~ 2.5kgf·m, 13.7 ~ 18 lbf·ft)



8. Install the LH timing chain to cam guide (B).

Tightening torque

9.0 ~ 11.0N·m (1.0 ~ 1.2kgf·m, 7.2 ~ 8.75 lbf·ft)



Torque : Nm (kgf·m, lbf·ft)

- | | | |
|----------------------------------|-------------------------------|------------------------------|
| 1. Camshaft bearing cap | 6. Washer | 17. LH Intake camshaft (CCV) |
| 2. Crankshaft bearing cap | 10. Valve spring | 18. Fuel pump bracket |
| 3. LH Exhaust camshaft | 11. Valve stem seal | 19. LH Intake camshaft |
| 4. LH Intake camshaft | 12. Valve | 20. LH Exhaust camshaft |
| 5. LH Exhaust CVVT assembly | 13. LH Intake camshaft (CCV) | 21. LH Intake CVVT assembly |
| 6. LH Intake CVVT assembly | 14. LH Exhaust camshaft (CCV) | 22. LH Intake CVVT assembly |
| 7. Mechanical fan adjuster (MFA) | 15. LH Cylinder head | 23. LH Cylinder head |
| 8. Retainer lock | 16. LH Exhaust camshaft (CCV) | |

Engine Mechanical System

Removal

CAUTION

- Use tender sooters to avoid damaging painted surfaces.
- To avoid damaging the cylinder head, wait until the engine coolant temperature drops below normal temperature (20°C (68°F)) before removing it.
- When handling a metal gasket, take care not to bend the gasket or damage the contact surface of the gasket.
- To avoid damage, holding the spring components carefully while holding the connector portion.



Hyundai Granduar Manual

Dave Moss



Hyundai Granduar Manual:

The Bulletin, 2000 **Australian CPA.**, 2000 **Expatriate Cost of Living Survey**, 1991 *Business Review Weekly*, 2000 **Korea Newsreview**, 1991-07 **Focus On: 100 Most Popular Sedans** Wikipedia contributors, The Efficient Driver’s Handbook – Your guide to fuel efficient driving techniques and car choice Dave Moss, 2010 This book describes in a clear friendly manner everything today's driver needs to know about choosing and using a car in an economical and eco efficient way It explains what matters most to the car buyer when optimum fuel economy and lowest emissions are priorities and why four wheel drive and automatic transmission present challenges to eco friendly driving Highly detailed advice on driving for best fuel economy is supplemented by helpful information on alternative fuels hybrid powertrains and much more Featuring a thorough examination of the advantages and disadvantages of the most promising fuels of the future electricity and hydrogen this book is essential reading for the modern driver Operational Expert System Applications in the Far East Jae Kyu Lee, 1991 Part of a series on expert systems around the world Operational Expert System Applications in the Far East covers various aspects of expert system applications in the Far East Some of the industries this book reports on include Steel electro mechanical power automobile oil paper airline and diagnosis

Popular Mechanics, 2000-06 Popular Mechanics inspires instructs and influences readers to help them master the modern world Whether it's practical DIY home improvement tips gadgets and digital technology information on the newest cars or the latest breakthroughs in science PM is the ultimate guide to our high tech lifestyle *Korea Economic Report*, 2005 Global Firms and Emerging Markets in an Age of Anxiety Srinivas Prasad, Pervez N. Ghauri, 2004-04-30 The terrorist attacks of September 11 2001 ushered in an age of anxiety along with the new century an anxiety that has affected the international business climate in a variety of subtle and not so subtle ways For one the cost of doing business internationally has increased for global firms and host countries alike For another understanding shifting geopolitical conditions in the developing world has become more crucial than ever to grasp if the world's multinationals whether of American British European or Japanese origin are to take the best advantage of new market opportunities These market opportunities are well within the experience range and grasp of the multinational consumer product and industrial firms as well as service enterprises But the same corporate methodologies that were employed in decades past are unlikely to be sufficient for the age of anxiety that is upon us The contributions assembled here offer the benefits of the collective wisdom of mature scholars with decades of consulting experience along with fresh ideas and new research hypotheses **Popular Science**, 2001-02 Popular Science gives our readers the information and tools to improve their technology and their world The core belief that Popular Science and our readers share The future is going to be better and science and technology are the driving forces that will help make it better *Road and Track*, 1989 Learning and Innovation in Economic Development Linsu Kim, 1999-01-01 These essays identify the evolutionary processes and patterns of learning capability

building and innovation in catch up countries They suggest that such economies have different patterns of learning from those of advanced countries Kim uses the example of Korea to examine various industries **Materials Transactions** ,2008

Business Strategy Irene Chow,2004 Offers a taste of the diverse management and economic climate in Asia by placing a magnifying glass over the economies of Asia It first develops a framework for understanding business strategy then provides a detailed profile of Asian countries with spotlights on their business characteristics and how that affects the implementation of strategy Shop Manual Hyundai Hyundai Motor Company (Seoul),1993 **Kapital** ,2002 *Popular Mechanics* ,2000
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