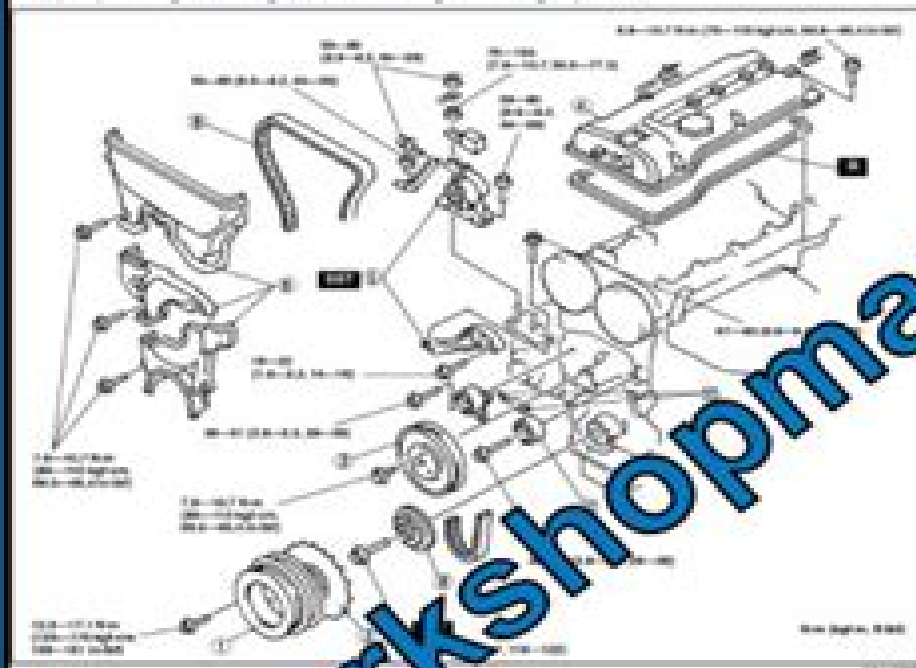


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MECHANICAL [ZM]

TIMING BELT REMOVAL/INSTALLATION [ZM]

1. Disconnect the negative battery cable.
2. Remove the CMP sensor. (See 01-40A-32 CAMSHAFT POSITION (CMP) SENSOR REMOVAL/INSTALLATION [ZM].)
3. Remove the ignition coils. (See 01-15-1 IGNITION COIL REMOVAL/INSTALLATION.)
4. Remove the drive belt. (See 01-10A-4 DRIVE BELT ADJUSTMENT [ZM].)
5. Remove in the order indicated in the table.
6. Install in the reverse order of removal.
7. Inspect the air gap. (See 01-40A-32 Air Gap Inspection.)
8. Adjust the drive belt deflection/tension. (See 01-10A-4 DRIVE BELT ADJUSTMENT [ZM].)
9. Start the engine and:
 - (1) Inspect the pulleys and drive belt for runout and contact.
 - (2) Inspect the ignition timing. (See 01-10A-25 Ignition Timing Inspection.)



1	Crankshaft pulley
2	Water pump pulley
3	Timing belt
4	Timing belt cover
5	Timing belt tensioner
6	Timing belt guide
7	Timing belt cover
8	Timing belt cover
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1	Pulley lock bolt
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01-10A-9

MECHANICAL [FS]

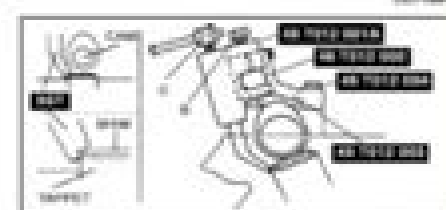
5. Place the SST (body) outside of the cylinder head, and mount it on the SST (shaft) at the point of the adjustment shim to be replaced.



7. Place the notch of the tappet so that a screwdriver can be inserted.
8. Set the SST on the tappet for its installation.



9. Tighten the SST (body).
10. Cylinder head can be damaged when the tappet is pressed down.
11. Tighten bolt C, and press down the tappet.



12. Using a fine screwdriver, pry up the adjustment shim through the notch on the tappet. Remove the shim using a magnet.
13. Select proper adjustment shim.

New adjustment shim
 = Removed shim thickness + Measured valve clearance - Standard valve clearance (0.24 mm (0.010 in))

14. Push the selected shim into the tappet.
15. Loosen bolt C to allow the tappet to move up.
16. Loosen bolt B and remove the SST (body).
17. Remove the SSTs and tighten the camshaft cap bolts.



Tightening torque
 11.3~14.2 N·m (1.0~1.4 kgf·m, 100~125 in·lb)

17. Verify the valve clearance. (See 01-10B-8 VALVE CLEARANCE INSPECTION [FS].)

01-10B-7

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Lingsheng Yao



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1. Understanding the eBook Mazda Protege 2002 2003 Service Repair Workshop Manual
 - The Rise of Digital Reading Mazda Protege 2002 2003 Service Repair Workshop Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Mazda Protege 2002 2003 Service Repair Workshop 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 Mazda Protege 2002 2003 Service Repair Workshop Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Mazda Protege 2002 2003 Service Repair Workshop Manual
 - Personalized Recommendations
 - Mazda Protege 2002 2003 Service Repair Workshop Manual User Reviews and Ratings
 - Mazda Protege 2002 2003 Service Repair Workshop Manual and Bestseller Lists
5. Accessing Mazda Protege 2002 2003 Service Repair Workshop Manual Free and Paid eBooks

- Mazda Protege 2002 2003 Service Repair Workshop Manual Public Domain eBooks
 - Mazda Protege 2002 2003 Service Repair Workshop Manual eBook Subscription Services
 - Mazda Protege 2002 2003 Service Repair Workshop Manual Budget-Friendly Options
6. Navigating Mazda Protege 2002 2003 Service Repair Workshop Manual eBook Formats
- ePub, PDF, MOBI, and More
 - Mazda Protege 2002 2003 Service Repair Workshop Manual Compatibility with Devices
 - Mazda Protege 2002 2003 Service Repair Workshop Manual Enhanced eBook Features
7. Enhancing Your Reading Experience
- Adjustable Fonts and Text Sizes of Mazda Protege 2002 2003 Service Repair Workshop Manual
 - Highlighting and Note-Taking Mazda Protege 2002 2003 Service Repair Workshop Manual
 - Interactive Elements Mazda Protege 2002 2003 Service Repair Workshop Manual
8. Staying Engaged with Mazda Protege 2002 2003 Service Repair Workshop Manual
- Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Mazda Protege 2002 2003 Service Repair Workshop Manual
9. Balancing eBooks and Physical Books Mazda Protege 2002 2003 Service Repair Workshop Manual
- Benefits of a Digital Library
 - Creating a Diverse Reading Collection Mazda Protege 2002 2003 Service Repair Workshop Manual
10. Overcoming Reading Challenges
- Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Mazda Protege 2002 2003 Service Repair Workshop Manual
- Setting Reading Goals Mazda Protege 2002 2003 Service Repair Workshop Manual
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Mazda Protege 2002 2003 Service Repair Workshop Manual
- Fact-Checking eBook Content of Mazda Protege 2002 2003 Service Repair Workshop 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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