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PHYSICAL SCIENCES PAPER 1 (PHYSICS)

GRADE 12

TERMS & DEFINITIONS, QUESTIONS & ANSWERS PER TOPIC

2021



TABLE OF CONTENTS



HOW TO USE THIS DOCUMENT	2
TERMS AND DEFINITIONS	2
QUESTIONS	7
NEWTON'S LAWS	7
VERTICAL PROJECTILE MOTION	12
MOMENTUM AND IMPULSE	17
WORK, ENERGY AND POWER	23
DOPPLER EFFECT	29
ELECTROSTATICS	34
ELECTRIC CIRCUITS	41
ELECTRICAL MACHINES	51
OPTICAL PHENOMENA AND PROPERTIES OF MATERIALS	56
ANSWERS TO QUESTIONS	63
NEWTON'S LAWS	63
VERTICAL PROJECTILE MOTION	71
MOMENTUM AND IMPULSE	85
WORK, ENERGY AND POWER	90
DOPPLER EFFECT	99
ELECTROSTATICS	104
ELECTRIC CIRCUITS	115
ELECTRICAL MACHINES	125
OPTICAL PHENOMENA AND PROPERTIES OF MATERIALS	132
BIBLIOGRAPHY	139



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Table of Contents Physical Science Paper 12014

1. Understanding the eBook Physical Science Paper 12014
 - The Rise of Digital Reading Physical Science Paper 12014
 - Advantages of eBooks Over Traditional Books
2. Identifying Physical Science Paper 12014
 - 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 Physical Science Paper 12014
 - User-Friendly Interface
4. Exploring eBook Recommendations from Physical Science Paper 12014
 - Personalized Recommendations
 - Physical Science Paper 12014 User Reviews and Ratings

- Physical Science Paper 12014 and Bestseller Lists
- 5. Accessing Physical Science Paper 12014 Free and Paid eBooks
 - Physical Science Paper 12014 Public Domain eBooks
 - Physical Science Paper 12014 eBook Subscription Services
 - Physical Science Paper 12014 Budget-Friendly Options
- 6. Navigating Physical Science Paper 12014 eBook Formats
 - ePub, PDF, MOBI, and More
 - Physical Science Paper 12014 Compatibility with Devices
 - Physical Science Paper 12014 Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Physical Science Paper 12014
 - Highlighting and Note-Taking Physical Science Paper 12014
 - Interactive Elements Physical Science Paper 12014
- 8. Staying Engaged with Physical Science Paper 12014
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Physical Science Paper 12014
- 9. Balancing eBooks and Physical Books Physical Science Paper 12014
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Physical Science Paper 12014
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Physical Science Paper 12014
 - Setting Reading Goals Physical Science Paper 12014
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Physical Science Paper 12014
 - Fact-Checking eBook Content of Physical Science Paper 12014
 - 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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web if the installation marks have disappeared put a new installation mark on the timing belt before removing each part em

110 2uz fe engine mechanical engine unit b using the crankshaft damper bolt turn the crankshaft to align the timing marks of

the crankshaft timing pulley and oil pump body em approx 45 timing mark turn

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web em 206 1gr fe engine mechanical engine unit em b remove the timing chain cover by prying between the timing chain

cover cylinder head and cylinder block with a screwdriver notice be careful not to damage the contact surfaces of the timing

chain cover cylinder block and cylinder head c remove the o ring from the lh cylinder

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web dec 9 2020 put the wrench on the crank bolt and turn it clockwise until the mark on the harmonic balancer crank pulley lines up with the tdc mark on the lower timing cover now look at the cam sprocket the dowel in the cam should be in the hole for number 1 on some older b2000 engines they might have an a b c all alignment should be on a

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web mar 11 2020 there are no one size fits all timing solutions but a generally stock headed fe will like around 38 degrees total timing you generally don t have to worry too much about initial timing over 12 degrees but again you have to be careful with the vacuum advance to not get back into that over advance situation

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web align the timing marks of the camshaft with the mark plates of the timing chain and install the timing chain hint align the timing marks with the mark plates while turning the hexagonal service portion of the camshaft using a wrench 2 install chain tensioner slipper a install the chain tensioner slipper 3 install chain tensioner

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web rotate the crankshaft pulley two complete turns clockwise and check the timing marks if the timing marks are correct tighten the lock bolt for the tensioner to 20 to 34 n m 200 to 350 kgfcm for fe to 37 to 52 n m 380 to 530 kgfcm for f2 engine check the movement on the tension side of the timing belt

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web fe engines use a timing assembly very similar to other ford engines with the aforementioned cam thrust plate an offset positioned dowel pin for locating and a single central cam bolt for retention the factory cam sprockets were often aluminum

with molded nylon teeth for quieter operation

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