



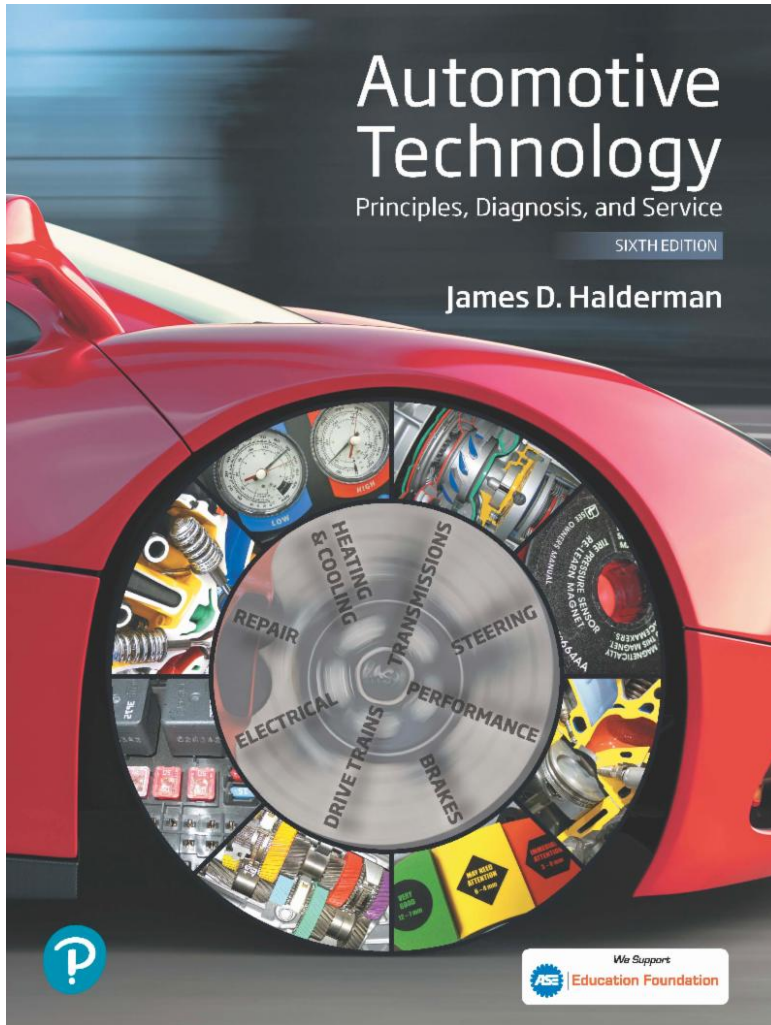
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Halderman newsletter

August 2019

What's new with Jim?



I am pleased to announce that new edition of my big book, Automotive Technology -6th edition, is now available for fall semester classes. The following major changes have been included in the new edition:

- Over 200 new full-color photos and line drawings make the subject come alive.
- Updated throughout and correlated to the latest ASE tasks.
- New Case Studies are included in this edition covering the "three Cs" (Complaint, Cause, and Correction).

The number of chapters has been increased from 130 to 136, making it easier to select the exact content to study or teach. The new chapters include:

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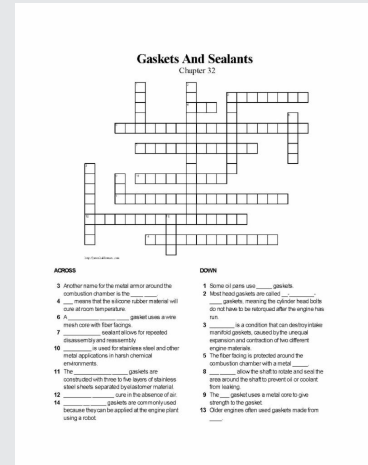
Where's Jim?

August 3- Attending the Tesla autonomous vehicle workshop at Sinclair Community College

Keep up with me at:
www.jameshalderman.com
 Email Jim
 Facebook

Puzzle of the month

Find this month's puzzle of the month at this [link](#) and test your students knowledge on gaskets and sealants.



Chapter 58- Safety, Comfort, and Convenience Accessories
Chapter 59- Security and Immobilizer Systems
Chapter 61-Autonomous Vehicles - Operation and Service Procedures
Chapter 64- Air Management System
Chapter 92-Hybrid High-Voltage Batteries
Chapter 93- Electric and Plug-in Hybrid Electric Vehicles
The chapter on power steering has been expanded and split into two chapters:

- Hydraulic Power Steering Systems (Chapter 122)
- Electric Power Steering Systems (Chapter 123)

Chapter 132-Vibration and Noise Diagnosis and Correction

Order: ISBN-10: 0-13-525727-1

Auto Trivia



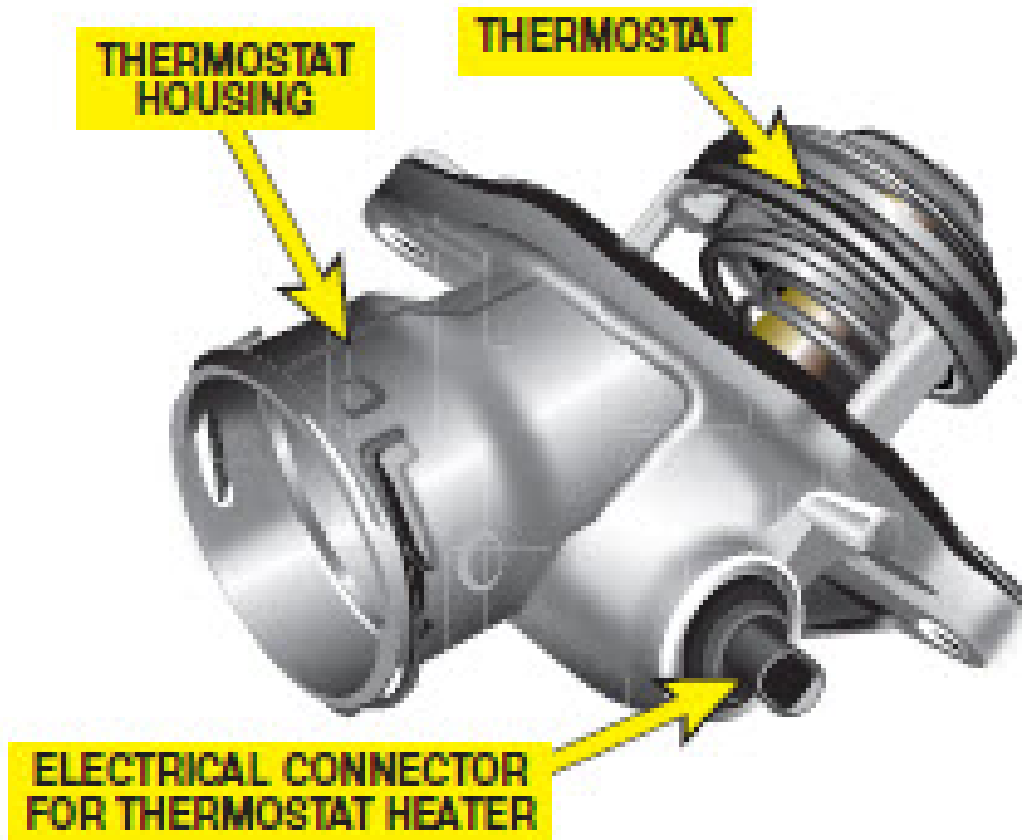
What Year is this Mercury Comet?

- 1963
- 1964
- 1965
- 1966

Answer at the bottom of this page!

FAQ

Why Is An Electronic Thermostat Used in Some Engines?



An electronic thermostat allows the engine temperature to be more closely controlled during cruise, city driving or heavy load conditions to optimize fuel economy, and reduce exhaust emissions.

Behind the Scenes

There is a lot of technology that is needed to create a textbook including:

- A powerful computer is needed with a fast processor and lots of RAM. My newest desktop has a one terabyte solid state hard drive so that there are no moving parts except for the cooling fan, which makes this computer much quieter than my old machine.
- A large monitor allows me to split the screen so I can view on two documents at the same time. For example, looking at the PDF of a page proofs, I can also view the Word document for the same chapter at the same time.
- A high-speed Internet connection is a must for any or all work because the manuscript, figures, and page proofs are all sent electronically today.



Sample ASE certification-type question

Question:

The cylinder head bolts should be tightened (torqued) in what general sequence?

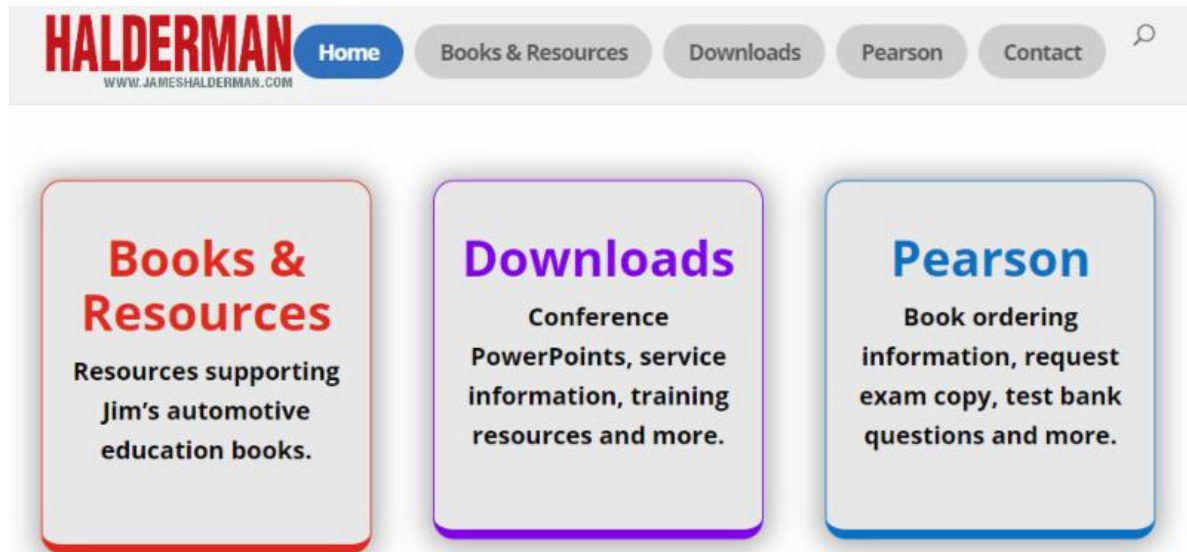
- The four outside bolts first, then from the center out
- From the outside bolts to the inside bolts
- From the inside bolts to the outside bolts
- From the front of the engine and torquing bolts from front to rear

Answer/Explanation

The correct answer is c. All fasteners should be tightened from the center of the component toward the outside to prevent stress buildup that could cause a cylinder head or other component being tightened to crack. Answers a, b, and d are not correct because they do not include tightening from the center outward.

Tech Tip

New Halderman Website a Huge Improvement in Accessibility



My webmaster and members of my team have been working for the last six months to redesign the interface of my huge website. Look for the updated website soon! The goals with the new design are to:

1. Make it easily viewable on any device including a smartphone or tablet.
2. Streamline the organization so that the content can be found easily.
3. Make all of the content for each subject, such as disc brakes, all under one chapter making it easy to teach a topic.
4. Each chapter and topic have all of the related videos, animations, puzzles, task sheets, and Power Point all in one place, making it easy for instructors and students alike.
5. Just three large control buttons make it easy to find what is needed. The three include:
 - Books and Resources
 - Downloads
 - Pearson publishing (links and instructor resources)

Enjoy

Straight Talk

From the July 27 Wheels section of Dayton Daily News

Reader Asks Why Car Prices Are So High

Ralph asks by email:

"I am seeing a lot of cars on the lots at dealerships and used car lots, but it appears that the prices are not coming down. Why not? I thought it was the basic economics that if there is a lot of supply, then prices should go down".

Halderman: You are correct that inventory levels are higher now than normal due to slightly slower sales of new vehicles. What you are seeing locally may just be your local area. Normal inventory level

is a sixty-day supply of vehicles on dealer lots. That is a lot of vehicles because according to Automotive News, about 95 percent of buyers purchased vehicles from the inventory on a dealership lot. Only about 5 percent order a vehicle that meets their needs.

Sales are also hard to estimate because it often depends on weather and other factors that are hard for vehicle manufacturers to predict. For example, a hard and cold winter often causes new and used car sales to drop. You are correct that if a vehicle is in inventory for longer than 60-90 days, dealers will often reduce the price so that it sells. There are many online resources to choose from when looking at a new or used vehicle. When comparing vehicles from different dealers, make sure that they are similarly equipped. Most brands of vehicles come in three or more "trim levels." The higher the trim level, the more standard equipment is included in the package, and the higher the price. Besides trim level, another factor that affects the price of the vehicle is the color. At dealer auctions, I have seen the same vehicle bring several hundred dollars less or more depending on the color. Therefore, there is no real answer to your question. It really does depend on many factors and the wise vehicle shoppers should research what they need and want before visiting a dealer or private owner.

Have an automotive question? Please write to Jim with your questions at jim@jameshalderman.com

Trivia question answer: C.

Please let me know what you think of the newsletter. I would love to include any of your automotive news, trivia questions or any tech tips you might have. Send me your suggestions! You can email me [here](#) or visit [my website](#). You can connect with me on Facebook, Twitter and LinkedIn too (links above).

Regards,
Jim Halderman

James D. Halderman writes automotive technology textbooks for [Pearson Education](#). He is an ASE-certified Master Technician with more than 20 years instructional experience.