

6.6 duramax engine parts diagram

6.6 Duramax engine parts diagram is an essential resource for any owner or mechanic looking to understand, maintain, or repair this powerful diesel engine. Whether you're a seasoned diesel technician or a DIY enthusiast, a clear and detailed diagram of the 6.6 Duramax engine is invaluable. This article will break down the key components, illustrating their placement and function, and provide insights into common maintenance areas. We'll explore everything from the core engine block and cylinder heads to the fuel system, turbocharger, and cooling system. Understanding these parts and their interrelationships is crucial for maximizing performance, ensuring longevity, and addressing potential issues with your Duramax.

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Understanding the 6.6 Duramax Engine Anatomy

The 6.6L Duramax diesel engine, a powerhouse found in many Chevrolet and GMC trucks, is renowned for its robust performance and towing capabilities. To effectively service or simply comprehend this complex piece of machinery, a thorough understanding of its constituent parts is paramount. A 6.6 Duramax engine parts diagram serves as a visual roadmap, guiding you through the intricate network of components that work in harmony to deliver its impressive power. From the fundamental building blocks like the engine block and crankshaft to the sophisticated fuel and emissions systems, each element plays a critical role.

Core Engine Components and Their Functions

At the heart of the 6.6 Duramax is its formidable engine block, a solid foundation designed to withstand the immense pressures generated during combustion. Within this block reside the crankshaft, pistons, connecting rods, and a sophisticated valve train system, all working in precise coordination to convert fuel energy into rotational motion.

Engine Block and Crankshaft Assembly

The engine block, typically cast from durable iron, houses the cylinders where combustion takes place. The crankshaft, a robust forged steel component, is the primary rotating shaft that converts the linear motion of the pistons into rotational force. The main bearings support the crankshaft within the block, ensuring smooth and stable rotation.

Pistons, Connecting Rods, and Rings

Pistons, forged or cast aluminum components, move up and down within the cylinders. They are equipped with piston rings that seal the combustion chamber, control oil consumption, and transfer heat to the cylinder walls. Connecting rods link the pistons to the crankshaft, transmitting the force of combustion. The assembly of pistons, connecting rods, and crankshaft is a critical balance of mass and precision for optimal engine operation.

Cylinder Heads and Valve Train

Perched atop the engine block are the cylinder heads, which contain the intake and exhaust valves, camshafts (in some configurations), and glow plugs. The valve train, comprising components like pushrods, rocker arms, and valves, precisely controls the flow of air into and exhaust gases out of the cylinders. The timing of these events is orchestrated by the camshaft, driven by the engine's timing system.

The Vital Fuel System Components

The Duramax engine relies on a sophisticated common rail diesel injection system to deliver fuel with immense precision and pressure, crucial for efficient combustion and power generation. Understanding the nuances of the fuel system is key to diagnosing and resolving performance issues.

High-Pressure Fuel Pump (HPFP)

The high-pressure fuel pump (HPFP) is the workhorse of the Duramax fuel system. It draws fuel from the tank and pressurizes it to extremely high levels, often exceeding 20,000 PSI, before sending it to the fuel rail. A healthy HPFP is essential for proper injector operation and overall engine performance.

Fuel Injectors

Electronic unit injectors are responsible for atomizing and injecting the pressurized fuel directly into the combustion chamber at precisely the right moment. The electronic control of these injectors allows for precise fuel metering, optimizing power, fuel economy, and emissions. Issues with fuel injectors can manifest as rough idling, poor acceleration, or excessive smoke.

Fuel Filter and Lines

Clean fuel is paramount for the longevity of the Duramax fuel system. The fuel filter removes

contaminants from the diesel fuel before it reaches the HPFP and injectors. The fuel lines, both low-pressure from the tank to the pump and high-pressure from the pump to the injectors, are designed to safely handle the fuel flow under varying pressures.

Air Intake and Turbocharger System

For any internal combustion engine, an ample supply of air is as important as fuel. The 6.6 Duramax utilizes a turbocharger to force more air into the cylinders, significantly boosting power and efficiency. A well-functioning intake and turbo system ensures optimal air delivery.

Air Filter and Intake Manifold

The air filter is the first line of defense, preventing dirt and debris from entering the engine. Clean air then travels through the intake system, which includes the intake manifold. The intake manifold distributes the incoming air evenly to each cylinder, preparing it for combustion.

Turbocharger and Wastegate

The turbocharger, driven by exhaust gases, compresses incoming air, forcing a greater volume of oxygen into the combustion chambers. This results in a more powerful combustion event and increased horsepower. The wastegate is a crucial component that regulates the turbocharger's boost pressure, preventing over-boosting and potential engine damage. Understanding the interplay between the turbocharger and wastegate is vital for diagnosing turbo-related issues.

Cooling and Lubrication Systems

Managing engine temperatures and ensuring proper lubrication are critical for preventing wear and tear and maintaining the engine's operational lifespan. The cooling and lubrication systems are intricate networks that keep the Duramax running smoothly under demanding conditions.

Radiator and Coolant Flow

The cooling system circulates coolant through the engine block and cylinder heads to absorb excess heat. This heated coolant then flows to the radiator, where it is cooled by airflow before being recirculated. The thermostat regulates coolant flow, ensuring the engine operates within its optimal temperature range. Proper coolant level and condition are essential for preventing overheating.

Oil Pump and Oil Cooler

The lubrication system delivers engine oil to all moving parts, reducing friction and wear. The oil pump circulates oil under pressure throughout the engine. Many Duramax engines also feature an oil cooler, which helps to dissipate heat from the engine oil, particularly under heavy loads or in hot climates. Regular oil changes with the correct viscosity oil are fundamental for maintaining engine health.

Exhaust System and Emissions Control

The exhaust system manages the expulsion of burnt gases from the engine and plays a significant role in emissions control. Modern Duramax engines incorporate advanced systems to meet stringent environmental regulations.

Exhaust Manifold and Downpipe

The exhaust manifold collects exhaust gases from each cylinder and directs them into the exhaust system. The downpipe connects the exhaust manifold to the rest of the exhaust system, including catalytic converters and particulate filters.

Diesel Particulate Filter (DPF) and EGR System

The Diesel Particulate Filter (DPF) is designed to trap soot particles from the exhaust gases, preventing them from being released into the atmosphere. The Exhaust Gas Recirculation (EGR) system reintroduces a small amount of exhaust gas back into the intake manifold to lower combustion temperatures and reduce NOx emissions. Both the DPF and EGR systems require regular maintenance and can be sources of diagnostic challenges.

Electrical and Sensor Components

The modern 6.6 Duramax is a highly computerized engine, relying on a network of sensors and the Engine Control Module (ECM) to manage its operation. Understanding these electrical components is crucial for accurate diagnostics.

Engine Control Module (ECM)

The Engine Control Module (ECM), often referred to as the powertrain control module (PCM), is the brain of the Duramax engine. It receives input from various sensors, processes this information, and

sends commands to fuel injectors, turbocharger controls, and other actuators to optimize engine performance, fuel economy, and emissions.

Various Sensors

A multitude of sensors provide critical data to the ECM. These include sensors for crankshaft position, camshaft position, manifold absolute pressure (MAP), engine coolant temperature, intake air temperature, throttle position, and more. Each sensor's input is vital for the ECM's ability to manage the engine effectively. A faulty sensor can lead to a variety of drivability issues and illuminated check engine lights.

Frequently Asked Questions

Where can I find a comprehensive 6.6 Duramax engine parts diagram?

Comprehensive 6.6 Duramax engine parts diagrams are typically found in official service manuals for your specific GM vehicle model and year, or on specialized automotive repair websites that offer OEM part lookups and diagrams. Websites like GMpartswarehouse.com, partslink.com, or even dedicated Duramax forums often have detailed diagrams.

What are the key sections of a 6.6 Duramax engine parts diagram?

A typical diagram will be broken down into major sub-systems. You'll commonly find sections for the cylinder block, cylinder heads, fuel system, lubrication system, cooling system, air intake system, exhaust system, and the timing system (if applicable to the specific Duramax generation).

How do I identify a specific part on a 6.6 Duramax engine parts diagram?

Diagrams usually feature numbered or lettered callouts pointing to individual parts. A corresponding legend or parts list will provide the name and part number for each item. Zooming in on digital diagrams is also crucial for clarity.

What is the difference between LML, L5P, and other 6.6 Duramax engine parts diagrams?

Each generation of the 6.6 Duramax (e.g., LB7, LLY, LBZ, LMM, LML, L5P) has significant internal and external design changes. Parts diagrams are specific to the engine code, meaning an L5P diagram will show different components and configurations than an LMM diagram.

Are there diagrams that show the entire 6.6 Duramax engine assembly?

Yes, many service manuals and online resources provide exploded view diagrams that illustrate the entire engine assembly and how all the major components fit together. These are invaluable for understanding the overall engine architecture.

Can a 6.6 Duramax engine parts diagram help with troubleshooting?

Absolutely. By understanding the location and function of various components through the diagram, you can better diagnose issues. For example, if you suspect a coolant leak, the diagram will show the precise location of hoses, the water pump, and the thermostat housing.

What is the best way to find the correct part number for a 6.6 Duramax using a diagram?

Locate the part on the diagram, identify its corresponding number or letter, and then cross-reference that with the accompanying parts list to find the official OEM part number. Using VIN-specific parts lookup tools can further refine accuracy.

Are there specific diagrams for the turbocharger or common rail fuel system on a 6.6 Duramax?

Yes, detailed diagrams are usually available for major sub-systems. You can find dedicated diagrams for the turbocharger assembly, fuel injectors, high-pressure fuel pump, and the common rail lines, which are essential for repairs on these complex systems.

Where can I find diagrams for aftermarket 6.6 Duramax performance parts?

Aftermarket manufacturers will typically provide their own diagrams or installation guides for their performance parts. These might not be as comprehensive as OEM diagrams but will illustrate how their specific component integrates with the existing engine.

Additional Resources

Here are 9 book titles related to 6.6 Duramax engine parts diagrams, each with a short description:

1. The Duramax Engine: A Visual Blueprint for the 6.6L Diesel

This comprehensive guide delves into the intricate workings of the 6.6 Duramax engine, offering detailed visual diagrams for every major component. It's an ideal resource for mechanics and enthusiasts seeking to understand the precise placement and function of each part. The book aims to demystify the engine's complex assembly through clear, labeled illustrations, fostering a deeper appreciation for its engineering.

2. 6.6 Duramax Diesel: Internal Components & Their Interconnections

Focusing specifically on the internal mechanisms, this book provides an in-depth look at the 6.6 Duramax's pistons, crankshaft, camshaft, and valve train. Each section is accompanied by high-resolution diagrams that illustrate how these parts work in unison. It's essential for anyone performing engine rebuilds or in-depth diagnostic work, offering clarity on the intricate relationships between moving parts.

3. Fuel System Diagrams for the 6.6 Duramax Duramax

This specialized volume concentrates on the fuel delivery system of the 6.6 Duramax engine. It features detailed diagrams of the fuel pump, injectors, fuel rails, and associated lines, showcasing their exact routing and connections. Understanding these diagrams is crucial for troubleshooting fuel-related issues and ensuring optimal engine performance.

4. Cooling & Lubrication Systems of the 6.6 Duramax: Illustrated Guide

Explore the vital cooling and lubrication systems of the 6.6 Duramax with this visually driven manual. It meticulously diagrams the radiator, water pump, oil pump, oil passages, and filtration systems. This book is invaluable for preventing overheating and ensuring the longevity of the engine through proper maintenance and repair.

5. Turbocharger & Exhaust System Breakdown for the 6.6 Duramax

This book offers a detailed visual breakdown of the 6.6 Duramax's turbocharger assembly and exhaust system. It includes diagrams of the turbocharger itself, exhaust manifolds, catalytic converter, and muffler. Understanding these diagrams is key to diagnosing performance issues related to boost pressure and exhaust flow.

6. Electrical Harness & Sensor Placement: 6.6 Duramax Edition

Navigate the complex electrical system of the 6.6 Duramax with this dedicated guide. It provides clear diagrams of the engine's wiring harness, illustrating sensor locations and their corresponding connectors. This resource is indispensable for technicians performing diagnostics or repairs on the engine's electronic control systems.

7. 6.6 Duramax Engine: Torque Specifications & Assembly Diagrams

For those undertaking serious engine work, this book is a must-have. It combines detailed assembly diagrams with crucial torque specifications for all major components of the 6.6 Duramax. Adhering to these precise instructions is vital for a successful and reliable engine rebuild, ensuring proper seating and sealing of parts.

8. Intake Manifold & Airflow Pathways of the 6.6 Duramax: A Diagrammatic Study

This focused volume dissects the intake system of the 6.6 Duramax engine. It presents detailed diagrams of the intake manifold, air filter housing, and all associated piping and sensors. Understanding these airflow pathways is essential for optimizing performance and troubleshooting issues related to air intake and filtration.

9. The Complete 6.6 Duramax Engine: A Master Diagram Collection

This comprehensive collection brings together all essential diagrams for the 6.6 Duramax engine into one authoritative volume. Featuring master diagrams that show the interplay of various systems, it serves as the ultimate reference for mechanics and serious DIYers. It consolidates information on all major components, offering a holistic view of the engine's design.

66 Duramax Engine Parts Diagram

6.6 Duramax Engine Parts Diagram: A Comprehensive Guide to Understanding Your Diesel Powerhouse

This ebook provides a detailed exploration of the 6.6 Duramax engine, focusing on its intricate parts and their functions, utilizing diagrams to enhance comprehension and offering practical maintenance tips for optimal performance and longevity. The information presented is relevant for both experienced mechanics and DIY enthusiasts seeking a deeper understanding of this powerful diesel engine.

Ebook Title: Decoding the Duramax: A 6.6L Engine Parts Diagram and Maintenance Guide

Table of Contents:

Introduction: The Power of the Duramax - An Overview

Chapter 1: External Components - A Visual Guide: Identifying Key External Parts

Chapter 2: Internal Components - Deep Dive into the Engine Block: Understanding the Engine's Heart

Chapter 3: Fuel System Deep Dive - From Tank to Combustion: Analyzing Fuel Delivery and Injection

Chapter 4: Cooling and Lubrication Systems - Maintaining Optimal Temperatures and Performance: Essential Systems for Engine Health

Chapter 5: Exhaust System Components and Their Role: Understanding Emission Control and Performance

Chapter 6: Electrical System Overview - Powering the Engine: Understanding the Engine's Electrical Demands

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Chapter 8: Maintenance and Repair Tips - Prolonging Engine Life: Practical Advice for Duramax Owners

Conclusion: Maximizing Your Duramax's Potential

Detailed Outline Explanation:

Introduction: This section will introduce the 6.6L Duramax engine, highlighting its history, key features, and its popularity among truck and vehicle enthusiasts. It sets the stage for the detailed exploration to follow.

Chapter 1: External Components - A Visual Guide: This chapter uses high-quality diagrams to identify and explain the function of key external components like the turbocharger, intake manifold, alternator, and starter motor. Clear visuals aid understanding.

Chapter 2: Internal Components - Deep Dive into the Engine Block: This chapter dives into the engine block itself, illustrating and explaining components such as pistons, connecting rods,

crankshaft, camshaft, and cylinder heads. Detailed diagrams will be crucial.

Chapter 3: Fuel System Deep Dive - From Tank to Combustion: This section will meticulously trace the path of fuel, from the tank to the injectors, explaining the roles of the fuel pump, fuel filter, injectors, and common rail system. Diagrams and illustrations will be essential.

Chapter 4: Cooling and Lubrication Systems - Maintaining Optimal Temperatures and Performance: This chapter discusses the importance of the cooling system (radiator, water pump, thermostat) and the lubrication system (oil pump, oil filter, oil cooler) for engine health and longevity. Explanations of proper maintenance are included.

Chapter 5: Exhaust System Components and Their Role: This chapter outlines the exhaust system, including the turbocharger (if applicable), exhaust manifold, catalytic converter, and Diesel Particulate Filter (DPF), and their role in emission control and performance. Maintenance and cleaning tips will be included.

Chapter 6: Electrical System Overview - Powering the Engine: This chapter examines the crucial electrical components such as sensors, wiring harnesses, and the engine control module (ECM), explaining their role in engine operation and diagnostics.

Chapter 7: Common Problems and Troubleshooting: This chapter addresses common Duramax engine issues, such as injector failures, turbocharger problems, and cooling system leaks, providing troubleshooting steps and potential solutions.

Chapter 8: Maintenance and Repair Tips - Prolonging Engine Life: This chapter provides practical maintenance advice, including recommended oil changes, filter replacements, and other preventative measures to extend the life of the engine.

Conclusion: This final section summarizes the key takeaways, emphasizing the importance of understanding the 6.6 Duramax engine's components for proper maintenance and optimal performance.

Chapter 1: External Components - A Visual Guide (Example with SEO in mind)

H2: Identifying Key External Parts of Your 6.6 Duramax Engine

Understanding the external components of your 6.6 Duramax engine is crucial for both preventative maintenance and troubleshooting. This chapter provides a visual guide, utilizing detailed diagrams and high-resolution images to identify key external parts. Knowing these parts and their functions can save you time and money in the long run.

H3: Turbocharger - Boosting Power and Efficiency

The turbocharger is a critical component, responsible for increasing the air intake into the engine, resulting in increased power and efficiency. [Insert high-quality image of a Duramax turbocharger

with labeled parts]. Regular inspection for leaks, damage, and proper function is essential. Learn more about turbocharger maintenance [link to related article].

H3: Intake Manifold – Delivering Air to the Cylinders

The intake manifold acts as a distribution system, delivering filtered air to each cylinder for combustion. [Insert high-quality image of a Duramax intake manifold]. Blockages or cracks can significantly impact performance. Ensure regular inspections for cleanliness and any damage.

H3: Alternator – Powering the Electrical System

The alternator is responsible for generating electricity to power the vehicle's electrical system. [Insert high-quality image of a Duramax alternator]. A malfunctioning alternator can lead to various issues, so regular testing and maintenance are vital.

(Continue this pattern for other external components like the starter motor, fuel filter, oil filter, etc., using high-quality images and diagrams. Each component should have its own H3 heading optimized for search.)

(Repeat this detailed chapter structure for the remaining chapters, focusing on internal components, fuel system, cooling system, and other areas, always using relevant keywords, high-quality images and diagrams, and optimized headings.)

Frequently Asked Questions (FAQs)

1. What is the difference between a 6.6 Duramax LMM and an LML engine? The LMM and LML are different generations of the 6.6L Duramax, with key differences in emissions systems and other components.
2. How often should I change the oil in my 6.6 Duramax? Follow the manufacturer's recommended oil change intervals, typically every 5,000-7,500 miles, or as indicated in your owner's manual.
3. What are the common problems with the 6.6 Duramax engine? Common issues include injector problems, turbocharger issues, and cooling system leaks.
4. How much does it cost to rebuild a 6.6 Duramax engine? The cost of rebuilding a Duramax engine varies widely, depending on the extent of damage and parts required.
5. Where can I find a 6.6 Duramax engine parts diagram? Reliable diagrams can be found in repair manuals or online through reputable parts suppliers.
6. What type of fuel does a 6.6 Duramax engine use? The 6.6 Duramax engine requires ultra-low

sulfur diesel fuel.

7. How do I diagnose a problem with my Duramax engine? Diagnosing engine problems requires careful observation, diagnostic tools, and potentially professional assistance.

8. Can I perform Duramax engine repairs myself? Some repairs are DIY-friendly, while others require professional expertise and specialized tools.

9. What is the lifespan of a 6.6 Duramax engine? With proper maintenance, a Duramax engine can last for 300,000 miles or more.

Related Articles:

1. Duramax Injector Replacement Guide: A step-by-step guide on replacing faulty fuel injectors.
2. Duramax Turbocharger Repair and Maintenance: Tips for maintaining and repairing your turbocharger.
3. Understanding Duramax Engine Codes: Deciphering diagnostic trouble codes (DTCs).
4. Duramax Cooling System Troubleshooting: Identifying and fixing cooling system problems.
5. Duramax Exhaust System Maintenance: Keeping your exhaust system clean and efficient.
6. Duramax Engine Oil Change Tutorial: A complete guide to changing your engine oil.
7. Choosing the Right Duramax Oil Filter: Selecting the appropriate oil filter for optimal performance.
8. Duramax Fuel Filter Replacement Guide: Step-by-step instructions for replacing your fuel filter.
9. Common Duramax Problems and Solutions: A comprehensive guide to troubleshooting common issues.

This ebook structure, with its detailed outline, SEO-optimized headings, and use of high-quality images and diagrams, will create a comprehensive and easily navigable resource for anyone seeking to understand the 6.6 Duramax engine. Remember to use relevant keywords throughout the text to improve search engine optimization.

66 duramax engine parts diagram: Diesel Performance Handbook for Pickups and SUVs

Ben Watson, With gas prices rising (always), alternative fuels look like an answer. Hybrids sound good, but what about the batteries? And fuel cells still seem to be pie-in-the-sky. Which leaves us with good old diesel. This book shows how to get the most out of the diesel engine, at a time when its fuel efficiency is almost as important as its massive torque. Although most diesel truck owners probably aren't planning to break any land speed records, advances in diesel technology, such as ultra-low-sulfur fuel, high-pressure common-rail fuel injection, electronic fuel management and variable geometry turbocharging, are bringing diesel engines into the performance arena. And this book is the ideal guide for making your diesel engine perform--adapting intake and exhaust, torque converters, engine electronics, turbochargers, and much more.

66 duramax engine parts diagram: *The Manufacturers Manual and Buyers Guide* , 1956

66 duramax engine parts diagram: Duramax Diesel Engine Repair Manual Editors of Haynes Manuals, 2020-05-26 With Haynes Manuals, you can do-it-yourself...from simple maintenance to major repairs. Haynes writes every procedure based on a complete teardown and

rebuild of the machine.

66 duramax engine parts diagram: GM 6.2 & 6.5 Liter Diesel Engines John F. Kershaw, 2020-08-15 Finally, a rebuild and performance guide for GM 6.2 and 6.5L diesel engines! In the late 1970s and early 1980s, there was considerable pressure on the Detroit automakers to increase the fuel efficiency for their automotive and light-truck lines. While efficient electronic engine controls and computer-controlled gas engine technology was still in the developmental stages, the efficiency of diesel engines was already well documented during this time period. As a result, General Motors added diesel engine options to its car and truck lines in an attempt to combat high gas prices and increase fuel efficiency. The first mass-produced V-8 diesel engines of the era, the 5.7L variants, appeared in several General Motors passenger-car models beginning in 1978 and are often referred to as the Oldsmobile Diesels because of the number of Oldsmobile cars equipped with this option. This edition faded from popularity in the early 1980s as a result of falling gas prices and quality issues with diesel fuel suppliers, giving the cars a bad reputation for dependability and reliability. The 6.2L appeared in 1982 and the 6.5L in 1992, as the focus for diesel applications shifted from cars to light trucks. These engines served faithfully and remained in production until 2001, when the new Duramax design replaced it in all but a few military applications. While very durable and reliable, most of these engines have a lot of miles on them, and many are in need of a rebuild. This book will take you through the entire rebuild process step by step from diagnosis to tear down, inspection to parts sourcing, machining, and finally reassembly. Also included is valuable troubleshooting information, detailed explanations of how systems work, and even a complete Stanadyne DB2 rebuild section to get the most out of your engine in the modern era. If you have a 6.2, or 6.5L GM diesel engine, this book is a must-have item for your shop or library.

66 duramax engine parts diagram: Haynes Techbook Cummins Diesel Engine Manual Editors of Haynes Manuals, 2020-02-25 The mysteries of the versatile LS series engines are unlocked in the Haynes Techbook Cummins Diesel Engine Manual. Covering everything from engine overhaul, cylinder head selection and modification, induction and fuel systems, camshafts and valve train, to beefing-up the bottom end, turbo and supercharger add-ons, engine swaps and extreme builds, this manual will help you get the most from your LS-powered vehicle.

66 duramax engine parts diagram: Diesel John Haynes, 1997-11-30 General Motors and Ford: Light Trucks, Vans, Passenger Cars covering General Motors 350 cu in (5.7 liter), 379 cu in (6.2 liter), 397 cu in (6.5 liter), and Ford 420 cu in (6.9 liter), 445 cu in (7.3 liter), and 445 cu in (7.3 liter Power Stroke) · Step-by-Step Instructions· Fully Illustrated for the Home Mechanic· Simple Maintenance to Major Repairs · Tools and equipment· Shop practices· Troubleshooting· Routine Maintenance· Engine Repairs and overhaul· Cooling system· Fuel system· Electrical system

66 duramax engine parts diagram: Lemon-Aid Used Cars and Trucks 2011-2012 Phil Edmonston, 2011-04-25 As Toyota skids into an ocean of problems and uncertainty continues in the U.S. automotive industry, Lemon-Aid Used Cars and Trucks 20112012 shows buyers how to pick the cheapest and most reliable vehicles from the past 30 years. Lemon-Aid guides are unlike any other car and truck books on the market. Phil Edmonston, Canada's automotive Dr. Phil for 40 years, pulls no punches. Like five books in one, Lemon-Aid Used Cars and Trucks is an expos of car scams and gas consumption lies; a do-it-yourself service manual; an independent guide that covers beaters, lemons, and collectibles; an archive of secret service bulletins granting free repairs; and a legal primer that even lawyers cant beat! Phil delivers the goods on free fixes for Chrysler, Ford, and GM engine, transmission, brake, and paint defects; lets you know about Corvette and Mustang tops that fly off; gives the lowdown on Honda, Hyundai, and Toyota engines and transmissions; and provides the latest information on computer module glitches.

66 duramax engine parts diagram: Light Vehicle Diesel Engines Gus Wright, 2018-03-30 Light Vehicle Diesel Engines, published as part of the CDX Master Automotive Technician Series, prepares students with practical, accessible information necessary for ASE A9 certification. Taking a "strategy-based diagnostic" approach, it covers how to maintain, diagnose, and repair light and medium-duty diesel engines, increasingly common in North American, Asian and European vehicles

and trucks.

66 duramax engine parts diagram: The Diesel Brothers Heavy D, Diesel Dave, 2020-09-15
Feel like somebody hit the brakes on your Diesel Brothers cravings? Discover how you can keep the gas going with this rip-roaring ride behind the scenes of Discovery Channel's popular series Diesel Brothers. In the world of monster trucks, no one builds bigger and more extreme rides—and has more fun in the process—than Heavy D, Diesel Dave, and their crew at DieselSellerz. Their larger-than-life creations and awesome truck giveaways are legendary, but for those less fortunate who haven't had the opportunity to experience a Bros' souped-up truck, this thrill-ride of a book is the next best thing. Learn the epic and inspirational stories behind Heavy D and Diesel Dave's business and personal lives, from the guys' first meeting, to their early adventures building DieselSellerz, to their successful business venture with Redbeard, Muscle, and the rest of the fearless staff. In addition to learning about the Bros' two-year Mormon missions, humble beginnings, and world travels, you'll also get the unforgettable details of their hilarious, most well-known pranks, and the remarkable stories behind the personalities that have made Diesel Brothers one of the fastest growing and most popular reality TV shows. But wait—there's more! The book is chock full of essential advice for anyone who'd like to get in on the action. Whether you're a die-hard monster truck fan or just looking for inspiration to upgrade that piece of junk in your garage, Heavy D and his crew are here to show you how it's done. You'll learn how to find the best bargain in the junkyard, how to play hardball with tough-talking dealers, and how to turn that sad sack heap of parts into a badass diesel vehicle. What are you waiting for? Get out there and let diesel freedom ring!

66 duramax engine parts diagram: General Motors Full-Size Trucks Jeff Kibler, 2004
Covers U.S. and Canadian models of Chevrolet Silverado and GMC Sierra Pick-ups, Chevrolet Suburban and Tahoe (2000 through 2002), GMC Yukon XL (2000 through 2002). Two-and-four-wheel drive, gasoline engine versions. Does not include C/K Classic, diesel, 8.1L engine or heavy-duty model information.

66 duramax engine parts diagram: Nothing As It Is Cooper Desmond, Keegan Zavits, Laura Lock, Dylan Mercer, 2013-06-12 Jacob Trakofski is just an average teenager, or just an average teenager until his best friend, Jessica Smith, is murdered. As soon as this fateful event occurs, Jacob's life turns upside down, his new best friend, Aldo, is acting mysteriously, and his teacher falls in love with his mother. Nothing is as it was when Jacob ends up in prison for a crime he didn't commit it seems like there is only one option; escape.

66 duramax engine parts diagram: Boating , 2005-11

66 duramax engine parts diagram: Autocar , 2005

66 duramax engine parts diagram: American Multinationals and Japan Mark Mason, 1992
Drawing on rich historical materials from both sides of the Pacific, including corporate records and government documents never before made public, Mason examines the development of both Japanese policy towards foreign investment and the strategic responses of American corporations.

66 duramax engine parts diagram: How to Rebuild Ford Power Stroke Diesel Engines 1994-2007 Bob McDonald, 2012 This book covers the vast majority of Powerstroke Diesel engines on the road, and gives you the full story on their design. Each part of the engine is described and discussed in detail, with full-color photos of every critical component. A full and complete step-by-step engine rebuild is also included.

66 duramax engine parts diagram: Engine Management Greg Banish, 2011-04-01 Tuning engines can be a mysterious art, all engines need a precise balance of fuel, air, and timing in order to reach their true performance potential. Engine Management: Advanced Tuning takes engine-tuning techniques to the next level, explaining how the EFI system determines engine operation and how the calibrator can change the controlling parameters to optimize actual engine performance. It is the most advanced book on the market, a must-have for tuners and calibrators and a valuable resource for anyone who wants to make horsepower with a fuel-injected, electronically controlled engine.

66 duramax engine parts diagram: Automotive News , 2007

66 duramax engine parts diagram: Chilton Labor Guide (Chilton) Chilton, Chilton Book Company, 2003-12-01 Professional technicians have relied on the Chilton Labor Guide estimated repair times for decades. This latest edition expands on that reliability by including technical hotline feedback and research from professional labor experts. The labor times reflect actual vehicle conditions found in the aftermarket, including rust, wear and grime. Available in both hardcover and CD-ROM, this completely revised manual provides thousands of labor times for 1981 through current year domestic and imported vehicles. All times reflect technicians' use of aftermarket tools and training.

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