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Diesel Engine Problems

Technically, diesel engines emit black smoke when they eat more fuel than there is not enough air available in the system. The reasons for decreased air in the system or increased fuel in the system can be many, e.g. a faulty injector, diesel pump, air filter and EGR

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Valves can be the causes.

11 Common Problems Faced by Diesel Engines

A lot of times, despite being used for heavy machinery, diesel engines are unable to meet the power requirements. This is as a result of clogging inside the engine tubes, dirty filters, injector problems, etc. This problem is most

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often detected while starting up the engine or when at peak performance.

9 Most Common Diesel Engine Problems | Easy Way To Avoid

A common problem in diesel engines is the EGR valve getting stuck because of carbon deposits. You would be surprised how much sludge and carbon gets deposited

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in the air intake manifold due to EGR action. At 100,000 miles the EGR valve is likely to be full of carbon and ripe for replacement.

The Problem with Modern Diesel Engines - Still Running Strong

The most common diesel engine problems that require repair include: Diesel Won't Start; Hard To Start

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Diesel Engine; Diesel Runs Rough At Lower RPMs; Lack of Diesel Engine Power; Diesel Engine Knocking or Pinging; Black Smoke; White Smoke; Blue Smoke; 1. Diesel Won't Start Problems. Air leaks - vacuum in fuel supply; Blocked fuel supply - filters

Common Diesel Engine Problems That Require Repair

These include the

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timing belt snapping, piston rings becoming worn out, piston slap (a noisy piston), the piston becoming burnt (usually by dirty fuel injectors), and the piston becoming cracked (caused by frequent use of poor quality fuel).

The Most Common Diesel Engine Problems and Solutions

Blue Smoke - blue

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smoke results from burning engine oil. This is a mechanical problem because engine oil isn't supposed to be getting into areas where it can be burned. There could be a faulty injector pump or lift pump, which would allow oil to mix with fuel and be burned. The valves or valve stem seals could be bad.

Diesel engine

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problems: black smoke explained

We also list the difficulty. Level 1 indicates a beginner DIY job. Level 3 would indicate an intermediate DIY repair. Level 5 means you need professional mechanical experience to complete the job successfully. Mercedes Diesel Engine Exhaust Smoke - Intro to Causes and Cures by Kent Bergsma -

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YouTube.

Diesel Engine Smoke and Lack of Power Problems - A Quick

...

DIESEL PARTICULATE FILTER A whole host of the 6.4L Power Stroke's biggest problems stem from its emissions control systems. At the top of the list is the diesel particulate filter (DPF).

Ford Power Stroke

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Diesel Problems,

One thing that is common on the 6.0L DIT engines is what is known as injector stiction. Now, I didn't know if this was the problem, so I had to probe a little deeper. First of all, you need to understand how the injector functions. In the top of the injector is what is known as a spool valve.

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Injector Diagnosis | Know Your Parts

Iran plane crash:
Engine problem behind tragedy that killed 176 people, intelligence officials suggest.
Aviation experts had earlier claimed 'shutdown event' was a possibility

**Iran plane crash:
Engine problem
behind tragedy that**

...

The exhaust is

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generally a result of an imbalanced air to fuel ratio, leaning on the side of too much fuel and not enough air. A faulty injector, injector pump, air filter, EGR valve, or even turbocharger could be the root of the problem. 4. Hard Starting. Some diesel engines have a difficult time starting or they experience a delayed start. This is usually a sign of low

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compression or a fuel delivery issue.

11 Commonly Repaired Problems on Diesel Engines - RC Auto ...

Degraded Fuel Shortens Filter Life and Hurts Engine

Performance A separate but equally perplexing problem is the natural degradation of diesel fuel. A diesel engine uses only some of the

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fuel it pulls from the tank.

Real Story of Bad Diesel Fuel - Diesel Fuels

BMW 2.0 diesel (N47/N47D20A) Ah yes, the (in)famous N47 with its well-known and documented timing chain problem. Adding insult to injury, there is also the absurd positioning of the timing chain at the back of the engine. So

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in order to do any repairs, the mechanic has to take it out of the car.

Seven Engines to Avoid When Buying Second-Hand Cars

Incorrect Engine Lubricants One of the most common causes of hard starting and other diesel engine problems is the use of improper lubricant, A.K.A, engine oil. If the wrong oil is used it

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may allow oxygen into the hydraulic system that assists the fuel injection unit, creating a foam that results in fake fuel injector pressure.

3 Common Diesel Engine Problems - Automotive Resources

Failure Analysis of a Four Cylinder Diesel Engine Crankshaft Made From Nodular Cast Iron 23,70 ductile

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cast iron. Table 1.
Chemical analysis of
crankshaft C Si Mn Cu
3.4-3.6 2.2-2.4 0.2-0.5
0.5-0.8 Tensile test of a
standard specimen
taken from fractured
crankshaft was also
conducted in order to
obtain yield and
ultimate tensile stress
of the ...

Failure Analysis of a Four Cylinder Diesel Engine ...

Diesel Cycle - Problem

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with Solution Let assume the Diesel cycle, which is the one of most common thermodynamic cycles that can be found in automobile engines. One of key parameters of such engines is the change in volumes between top dead center (TDC) to bottom dead center (BDC).

**Diesel Cycle -
Problem with
Solution**

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The diesel engine (also known as a compression-ignition or CI engine), named after Rudolf Diesel, is an internal combustion engine in which ignition of the fuel is caused by the elevated temperature of the air in the cylinder due to the mechanical compression (adiabatic compression).

**Diesel engine -
Wikipedia**

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Diesel Engine problem of the 2005 Dodge Sprinter 4 Failure Date: 05/12/2008 Failed turbo resonator going to yosemite in itaska mh with Dodge 5 cyl diesel engine. This is second turbo resonator to fail and is extremely dangerous condition on 2 lane rds with few turnouts and steep banks.

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