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no start, hard start, won't start without starting  
fluid No Start, Engine Cranks Okay,  
Troubleshooting With Basic Tools (No Power to  
Injectors) Heavy Duty Diesel Engine 101 Episode  
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Light.

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### Basic Diesel Engine Troubleshooting

The same goes for changing filters: A dirty fuel filter can impair a conventional vehicle's performance, but dirty fuel can clog a diesel's fuel injection system, and you may need expensive professional help to get back on the road again. As a rule, you shouldn't try to clean or adjust a diesel's fuel injectors yourself, but if you maintain your vehicle according to the directions in the owner's manual, they can last 100,000 miles or more.

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Turbo problems – waste gate; 5. Diesel Engine Knocking or Pinging Problems. Blocked fuel supply – filters; Cam – crank sensor; Diesel injector/s bad; Fuel contamination; Injector blow-by seat leaking; Injector wiring harness bad; 6. Black Smoke From Exhaust Problems. Air intake restriction; Cam – crank sensor; Diesel injector/s bad; EGR problems

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Black Smoke. This is due to a air to fuel ratio

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imbalance, either the fuel system is delivering too much fuel into the engine or there is not enough clean air (oxygen) a few things to look for :

- Faulty injectors (injectors need attention at about 100.000 to 120 000 miles)
- Faulty injector pump.

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Diesel: Troubleshooting - Test Calibration  
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predecessors do, but under ideal conditions, more recent engines deliver considerable renovations in output, fuel economic climate, reduced emissions, and sturdiness. Routine upkeep can help vessel drivers stay clear of the technical and financial nightmare of resolving troubles as they come, and thinking about the intricacy of contemporary engines, anything could ...

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By Mike McGlothlin It's no secret that the majority of Americans are more accustomed to gasoline engines than diesels. Statistics gathered by R.L. Polk confirm this, as just 2.8 percent of all registered passenger vehicles (cars, SUV's, pickup trucks, and vans) ran on number 2 diesel fuel in 2013. To be sure, most folks in [...]

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They will perform many of the following maintenance and repair procedures below.

Troubleshooting Topics: Failure to crank; Failure to fire; Overheating; Smoking (white, blue, black) Misfiring; Knocking; Runaway; Hunting; Hydrostatic Lock; Transmission Problems

Maintenance & Repair Topics: Service Cooling System; Perform Compression Test; Adjust Valve Clearance

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### Seamanship

The basic difference between a diesel engine and a gasoline engine is that in a diesel engine, the fuel is sprayed into the combustion chambers through fuel injector nozzles just when the air in each chamber has been placed under such great pressure that it's hot enough to ignite the fuel spontaneously. Following is a [...]

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how the latest in speed parts work, you first need to understand how an engine works. Most cars as we know them are powered by what is called a 4-stroke engine. A 4-stroke refers to the four strokes in the power cycle; the intake stroke, the compression stroke, the power stroke and the exhaust stroke.

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Diesel Engine Fundamentals - PDHonline.com  
Check if there are any mechanical problems in the engine; such as compression, and insure proper working of thermostat that regulates the temperature. The level of the engine coolant can be low, and if it is, it should be refilled to a proper level. Examine if there's a leak in the cooling system and repair it as soon as possible.



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basic diesel engine troubleshooting The same goes for changing filters: A dirty fuel filter can impair a conventional vehicle's performance, but dirty fuel can clog a diesel's fuel injection system, and you may need expensive professional help to get back on the road again. As a rule, you shouldn't try to clean

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There are different kinds of internal combustion engines. Diesel engines are one type and gas turbine engines are another. Each has its own advantages and disadvantages. There is also the external combustion engine. The steam engine in old-fashioned trains and steam boats is the best example of an external combustion engine. The fuel (coal, wood, oil) in a steam engine burns outside the engine ...

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Spray, or pour approximately one-half cup of carburetor cleaner (or automotive varnish remover) into the fuel tank. Swirl liquid to coat

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entire inside surface of tank. Let liquid remain in tank for at least one hour, swirling occasionally, then drain the tank as in the previous step. Repeat this process at least twice.

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When a problem with an engine accessory occurs, they'll often be required to locate and solve the issue. Objectives: Analyze the principles, components, and classifications of

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the diesel engines. Identify the safety precautions, protective gears, and tools required by the diesel technicians.

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100,000 miles or more.

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