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Cars with a combustion engine in them tend to produce byproduct gases after a complete cycle, which usually gets out of the exhaust pipe, where there are many things such as catalytic converters which purify the gases further to give off a clean fume. In many instances, cars can give off fumes which can be of different colours, where the colour of the fumes that come out of an exhaust pipe provides crucial insight into the health of a car's engine. Oftentimes, this smoke could just be water vapour. However, it could also indicate a potential head gasket leak. Hence, it is important to be wary of what kind of colour the smoke coming from your engine is - and what the colour indicates. Here is a quick guide on the possible indication of the different kinds of engine smoke colours.



Black smoke
Black smoke can be an indication that the engine might be burning too much fuel. This can be caused by a variety of issues which can be as simple as a clogged air filter, or it can arise from major problems such as a malfunctioning fuel injector or even a vacuum leak - which can cause the engine to burn more fuel than necessary, leading to decreased fuel efficiency and higher fuel costs. Black smoke can also be a sign of a more serious problem, which can indicate an engine is worn out or on the verge of dying. As such, it is important to spot black smoke and take necessary precautions as soon as possible.

Blue smoke
Blue smoke isn't quite typical as far as engine smoke colours go - and sometimes it can also mean that oil has mixed with the gas in the combustion cycle, with burnt oil being sent out through the exhaust pipe alongside any other half-burned fuel. This is an indication that engine oil is being burnt inside the engine, which is usually caused by valve seals or piston rings which are worn and dated, allowing oil to leak into the combustion chamber. Blue smoke can also be a sign of more serious problems, such as a damaged engine or engine oil being clogged.

White smoke
White smoke right after a car starts which usually tends to go away is generally



not a problem, as it just might be built-up condensation which evaporates. Consistent white smoke can be an indication that the engine is burning coolant, which can be caused by a leaking head gasket or a cracked engine block. Burning coolant will also reduce the coolant level in the engine, leading to overheating and potentially resulting in engine damage or failure. Aside from that, white smoke can also be a sign of a more serious problem, such as a damaged engine or a malfunctioning cooling system - making it another smoke colour to particularly watch out for.

Grey smoke
Grey smoke can be an indication of a variety of issues, such as engine burning oil, which can leak in the combustion chamber and eventually damage the catalytic converter. This usually happens from a damaged valve stem seal, which

lubricates the valves and maintains the correct air-fuel ratio. It can also indicate failed piston rings if grey-blue smoke comes out of the exhaust pipe. It is important to note that any smoke coming from the exhaust pipe can be a sign that something is wrong with the engine and should be addressed as soon as possible. Regular maintenance can help prevent these issues and keep your car running smoothly. Additionally, the colour of fumes coming out of an exhaust pipe can be used as an indicator of engine health. Black smoke may mean too much fuel is being burnt, blue smoke indicates oil is being burnt, white smoke means coolant is being burnt and grey smoke can indicate a variety of issues. It is best to address any smoke issue as soon as possible to prevent further damage to the engine.

What is the 'Dark Web'?

In recent years, the term 'dark web' has become a buzzword in popular culture, often associated with illegal activities and criminal behaviour. Pop culture also often associates a lot of illegal activities with the concept of the 'dark web' because of the anonymity that it provides to users, with a lot of Western movies and shows depicting 'dark web' users as being difficult to track down by law enforcement agencies. However, just like the regular internet, not all activity on the dark web is illegal or unethical. Many people use the dark web for legitimate purposes such as privacy concerns or sharing sensitive information. Despite the many rumours surrounding the concept, not all of us may know exactly what the dark web is, and how it works. Here's a quick rundown of the things you need to know. The dark web is a part of the internet that is not indexed by traditional search engines like Google, Yahoo or Bing. Instead, it is accessed using special software or configurations, such as the Tor browser. Such methods route internet traffic through a series of servers and encrypt the data to provide anonymity to the user. This makes it difficult to trace the origin of the data or identify the user who is accessing it. As such, the user can browse the internet anonymously without revealing their

identity or location. As one might expect, the anonymity of the dark web has made it a popular destination for individuals engaging in illicit activities such as drug trafficking, weapons sales and child pornography. However, as mentioned before, it is important to note that not all activity on the dark web is illegal. Many journalists, activists and whistleblowers use the dark web to share information without fear of censorship or surveillance. They also use the dark web as a method of communication with sources securely through encrypted messaging services and forums. These covert methods of sharing information add an extra layer of protection against hacking attempts from unsuspecting third-party intruders. One of the most notorious marketplaces on the dark web was Silk Road, an online marketplace that facilitated the sale of drugs and other illegal items such as fake IDs and hacking tools. Silk Road primarily ran on the cryptocurrency Bitcoin, which made it more difficult to track down records of transactions. The Silk Road operated for several years before it was shut down by law enforcement in 2013. Since then, numerous other marketplaces have emerged to take its place, including AlphaBay and Hansa. These marketplaces operate similarly

to traditional e-commerce websites, with vendors selling their wares and buyers placing orders using various forms of cryptocurrency. However, the anonymity of the dark web makes it difficult for law enforcement to track down those involved in illegal activity. Some of the bigger sites are still occasionally taken down and operators are consequently arrested. Nonetheless, with the anonymity that the dark web provides, new illegal marketplaces tend to pop up again quite fast. In addition to marketplaces, the dark web also contains forums and chat rooms where individuals can discuss a wide range of topics, including politics, religion and technology. A popular topic in the dark web is hacking and cyber security - with a lot of forum users frequently sharing hacking tips and discussing software vulnerabilities. These forums can be a valuable resource for individuals seeking information or advice on sensitive topics, but they can also be breeding grounds for extremist ideologies and hate speech. As such, it must be noted that many of these forums are illegal and engaging in activities on them can result in serious legal repercussions. One of the biggest risks of using the dark web is the potential for malware and phishing scams. Phishing scams

on the dark web typically involve attempts to steal sensitive information, such as usernames, passwords, and credit card numbers, by impersonating a legitimate website or service. Because many dark web sites are not verified or regulated and users may unknowingly download malicious software or provide their personal information to scammers. Since the dark web is a popular place for hackers, you always run the risk of having your data stolen by more experienced users. Despite these risks, the dark web can be a valuable resource for individuals seeking privacy and security online. By using special software and configurations, individuals can browse the internet without revealing their identity or location, making it difficult for governments or other entities to track their online activities. With all that being said, it is important to approach the dark web with caution and take steps to protect your personal information and online security. This includes using a VPN, avoiding suspicious links or downloads, and being mindful of the information you share online. Like on the regular internet, be sure to use strong passwords and be wary of clicking on links or downloading files from unknown sources - as they may contain malware.

