

CARDIOVASCULAR SYSTEM

QUESTION AND ANSWERS

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What are the 4 types of cardiovascular system? The cardiovascular system consists of the heart, veins, arteries, and capillaries. These components make up two circulatory systems: the systemic and pulmonary circulatory systems. The cardiac cycle consists of two phases: systole (relaxation) and diastole (contraction).

What are the two essential questions for the cardiovascular system? Lesson Essential Questions: - What are the major functions of the circulatory system? - What is the path of the blood flow through the circulatory system?

What are the 5 main parts of the cardiovascular system? It consists of the heart, which is a muscular pumping device, and a closed system of vessels called arteries, veins, and capillaries.

What is the cardiovascular system short answer? What is the cardiovascular system? Your heart and many blood vessels in your body make up your cardiovascular system or circulatory system. Your heart uses the far-reaching, intricate network of blood vessels to deliver oxygen and other necessary things to your whole body.

What is the largest artery in the body? The largest artery in the body. It carries oxygen-rich blood away from the heart to vessels that reach the rest of the body.

What are the 7 main functions of the heart? The heart performs seven essential functions: pumping oxygenated blood to body tissues, receiving deoxygenated blood, maintaining blood pressure, routing blood through the lungs for oxygenation, regulating blood flow by adjusting heart rate, providing nutrients to its tissues through

coronary circulation, and serving ...

What are the four main arteries of the heart? They are the left and right coronary arteries: The left coronary artery (LCA) extends along the coronary sulcus and supplies the left portion of the heart. It further branches into the circumflex artery and the anterior interventricular artery (left anterior descending artery).

What are the two major organs of the cardiovascular system? Your heart and blood vessels make up the circulatory system. The main function of the circulatory system is to provide oxygen, nutrients and hormones to muscles, tissues and organs throughout your body.

What are 5 fun facts about the cardiovascular system?

What organ is below the heart? Bottom boundary: The bottom boundary is your diaphragm. This is a dome-shaped muscle that sits just beneath your heart and lungs. Your diaphragm is what separates your thoracic cavity from your abdominal cavity.

What color is deoxygenated blood? Blood is always red. Blood that has been oxygenated (mostly flowing through the arteries) is bright red and blood that has lost its oxygen (mostly flowing through the veins) is dark red. Anyone who has donated blood or had their blood drawn by a nurse can attest that deoxygenated blood is dark red and not blue.

Which vein carries oxygenated blood? Your pulmonary veins are the only veins in your body that carry oxygen-rich blood. All your other veins carry oxygen-poor blood.

Where is the heart found in the body? Your heart is in the front of your chest. It sits slightly behind and to the left of your sternum (breastbone), which is in the middle of your chest. Your heart is slightly on the left side of your body. It sits between your right and left lungs.

What are the four main functions of the heart?

What is the difference between arteries and veins? Arteries carry blood away from the heart, and veins carry blood towards the heart. With the exception of pulmonary blood vessels, arteries carry oxygenated blood and veins carry

deoxygenated blood. Arteries have thick walls with muscle tissue. Veins have thinner walls and use valves to keep your blood flowing.

What are the two main veins? Your veins then carry your blood back to your heart where it can refuel. This oxygen-poor blood enters your heart through two large veins called your superior vena cava and inferior vena cava.

What's the biggest vein in your body? The superior vena cava carries blood from the head, neck, arms, and chest. The inferior vena cava carries blood from the legs, feet, and organs in the abdomen and pelvis. The vena cava is the largest vein in the body.

What is the smallest artery in the body? Capillaries, the smallest blood vessels, connect arteries and veins.

Is the heart an organ or a muscle? Your heart is actually a muscular organ. An organ is a group of tissues that work together to perform a specific function. In the case of your heart, this function is pumping blood throughout your body. Additionally, the heart is largely made up of a type of muscle tissue called cardiac muscle.

How many arteries are in the heart? There are two primary coronary arteries, the right coronary artery (RCA) and the left main coronary artery (LMCA). Both of these originate from the root of the aorta. The RCA emerges from the anterior ascending aorta and supplies blood primarily to the right atrium, right ventricle.

Why is the heart on the left side? The location of the heart on the left also facilitates its main function: pumping blood. Being slightly inclined, the heart can better distribute blood through the aorta to the entire body. This efficiency in blood circulation is essential for maintaining health and well-being.

What are the 4 main functions of the cardiovascular system describe?
Circulates OXYGEN and removes Carbon Dioxide. Provides cells with NUTRIENTS. Removes the waste products of metabolism to the excretory organs for disposal. Protects the body against disease and infection.

What are the 4 main types of cardiovascular disease define each one?

What are the 4 main parts of the circulatory system?

What are the 4 chambers of the cardiovascular system? The four chambers of the heart. On each side of the wall, there is a small collecting chamber called an 'atrium', which leads into a large pumping chamber called a 'ventricle'. There are four chambers: the left atrium and right atrium (upper chambers), and the left ventricle and right ventricle (lower chambers).

Apa efek dari remap ECU? Remap ECU dapat meningkatkan output tenaga mesin, menghasilkan peningkatan percepatan dan akselerasi yang lebih baik. Ini bisa menjadi pengalaman berkendara yang lebih dinamis dan memuaskan. Dengan memodifikasi parameter pengaturan, remap ECU dapat meningkatkan responsivitas mesin terhadap input pedal gas.

Berapa biaya ganti ECU motor? Berikut adalah rincian biaya servis ECU motor yang dapat digunakan sebagai estimasi harga: Biaya servis ECU berkisar antara Rp50.000 hingga Rp3.000.000. Biaya penggantian beberapa bagian yang rusak berada di rentang harga Rp1.500.000 hingga Rp10.000.000. Biaya perawatan ECU berkisar antara Rp300.000 hingga Rp2.000.000.

Apa keuntungan remap ECU? Proses remapping akan membuat daya torsi bertambah dan mobil yang awalnya punya akselerasi biasa saja jadi bisa lebih cepat. Tarikan mesin juga bisa jadi lebih galak atau responsif. Kelebihan lain dari proses ini adalah membuat tarikan RPM jadi jauh lebih enteng.

Apakah remap ECU bikin irit? Remap ECU mobil juga bisa membuat konsumsi bahan bakar lebih efisien. Setelah dilakukan tuning, konsumsi bahan bakar bisa irit sampai 2-3 km per liter dari setelan pabrikan.

Apakah remap ECU aman untuk harian? Dengan beberapa fakta tersebut, remap ECU tidak direkomendasikan untuk dilakukan. Apalagi untuk para pengguna yang menggunakan motornya untuk harian, karna dampak buruk remap ECU hanya akan timbul lebih cepat.

Apakah remap ECU permanen? Remap ECU bersifat permanen alias tidak bisa kembali ke settingan standar bawaan pabrik.

Apa ciri ciri ECU rusak?

Berapa lama proses remap ECU motor? Dengan melakukan remap ECU bawaan motor, tenaga mesin diklaim bisa terdongkrak 1-2 dk. Kevin Christopher mekanik bengkel Mahendra Motosport Bekasi, saat ditemui Gridoto menuturkan kalau proses pengerjaan remap ECU bawaan motor cuma berkisar 10-15 menit saja.

Apa ECU bisa diperbaiki? Ya, tentu saja bisa. Ketika komponen ECU mobil mengalami kerusakan, pastikan sesegera mungkin melakukan perbaikan atau melakukan pergantian dengan yang baru.

Apakah remap ECU motor boros bensin? Risiko remap ECU motor yang lain adalah konsumsi bahan bakar yang lebih boros.

Biar apa remap ECU motor? "Soalnya tujuan remap ECU itu menyesuaikan lagi debit bahan bakar yang dibutuhkan oleh mesin," tambahnya saat ditemui beberapa waktu yang lalu (10/23).

Apakah ECU BeAT bisa di remap? Ia juga menjelaskan, untuk saat ini, selain motor sport, juga sudah bisa remap ECU standar motor matik. Yakni Honda BeAT tahun 2013-2014 dan Vario110.

Apakah remap ECU bisa hilang? GridOto.com – Hasil remap ECU motor matic Honda ternyata bisa hilang atau kembali ke settingan awal pabrik.

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Berapa lama reset ECU? "Proses reset ECU sendiri terbilang singkat, hanya perlu waktu sekitar 3 menit maka indikator error akan hilang jika memang tidak ada malfungsi di motor," jelasnya.

Apa ciri ciri ECU motor rusak?

Remap ECU apakah menghilangkan garansi mesin? "Ya betul, garansi kelistrikan yang terkait ECU akan gugur karena remap ECU merupakan modifikasi walau hanya mengganti data di dalamnya.

ECU dan CDI apa sama? "CDI bekerja berdasarkan timing pengapian untuk mematikan api pada busi saat pembakaran. Sedangkan ECU bekerja sebagai alat diagnosis dalam proses pembakaran, berdasarkan sensor-sensor pendukung yang ada pada kendaraan," jelas M. Abidin selaku GM After Sales & Publik Relation PT Yamaha Indonesia Motor Manufacturing.

Apakah remap ECU harus dyno? Sebagai catatan, saat remap ECU motor disarankan juga melakukan dynotest. Sehingga hasil yang diinginkan bisa langsung terlihat. Jika ada yang kurang sesuai bisa langsung direvisi.

Apakah remap ECU bisa timing kuda? Remap ECU dengan tipe timing kuda ini akan mengubah idle yang standar (lambat) menjadi idle yang berirama seperti suara ketukan langkah kuda. Perubahan ini akan 'mengakali' debit bensin atau timing pengapian untuk dibuat loncat-loncat hingga menemui suara ketukan langkah kuda melalui remap ECU.

Stereograms: A Window into Depth and Illusion

What are stereograms? Stereograms are optical illusions that create the perception of depth when viewed with appropriate techniques. They consist of two slightly offset images that, when viewed correctly, create a three-dimensional effect.

How do you view stereograms? There are two main methods for viewing stereograms:

- **Direct viewing:** Focus your eyes at a point beyond the screen. As you do so, two images will appear, one slightly to the left and one to the right. Continue staring at the distance point until the two images merge, creating a 3D effect.
- **Cross-eye viewing:** Cover one eye and focus on the image furthest to the opposite side. For example, if you cover your left eye, focus on the right

image. You will see two images, one slightly offset to the right. Cross your eyes to superimpose the two images and create the depth effect.

What are the different types of stereograms? There are several types of stereograms, including:

- **Autostereograms:** These stereograms can be viewed directly without the need for special glasses or equipment.
- **Randot stereograms:** These stereograms consist of randomly arranged colored dots.
- **Stereoscopic photography:** These photographs create a 3D effect when viewed through a stereoscope.

What are the benefits of viewing stereograms? Viewing stereograms can have several benefits, such as:

- **Eye training:** Stereoscopic vision, which is required to view stereograms, helps improve depth perception.
- **Relaxation:** The act of focusing on distant objects while viewing stereograms can be relaxing.
- **Cognitive stimulation:** Creating and solving stereograms stimulates creativity and problem-solving abilities.

Can anyone view stereograms? Most people can view stereograms with practice, although some may find it more difficult than others. If you have difficulty viewing stereograms, try different viewing techniques or seek guidance from an optometrist.

What is the problem with the Cummins QSL9? Since around 2022, there have been multiple reports of the Cummins QSL9 engine platform experiencing issues with shorted injector leads that lead to de-rated engine performance. Turns out, the issues are easy to mitigate by simply re-positioning the injector tab leads so that they better clear the injector.

What year did the 3rd gen Cummins come out? The 3rd Gen Cummins diesel was in Dodge trucks between 2003 and 2009. This generation of Dodge trucks is one of the most popular because you can get the super reliable 24-valve Cummins

engine paired with more modern technology in the cabin and a larger truck overall.

What model Cummins do I have? Call the Cummins Customer Response Center at 1-800-888-6626 with the serial number. Press "3" when prompted by the recording. They'll help you identify the model and spec letter you need to order parts and manuals. If you can't find the serial number on your set, they can help you determine where to look for it.

What year did the 2nd Gen Cummins come out? As the 5.9-liter Cummins diesel engine quickly established itself as a superior powerplant for Dodge Ram rigs in 1989 to 2001 trucks, the term "2nd-Gen Cummins" became the regularly used blanket moniker for 1994 to 2002 rigs, despite "Gen" being more associated with the truck than the engine.

How much HP does a Cummins QSL9 have? QSL9 engines are rated at 250-400 hp (186-298 kW) for Tier 4 Final.

Why do Cummins transmissions fail? If you own a Dodge Cummins equipped with the 68RFE automatic transmission, there's something you need to know. A fair number of these trucks have been plagued by the early failure of their transmission due to a design flaw that causes the torque converter lock-up clutch (TCC lockup) to fail at an accelerated rate.

What is the best Cummins engine? High Output 6.7L Cummins I-6 One of the best truck engines to handle heavy hauls is the 6.7L Cummins, which offers the most torque ever available in a non-commercial vehicle: Power — 310 hp @ 3,200 rpm. Torque — 555 lb-ft @ 1,600 rpm. Valvetrain — DOHC with 4 valves per cylinder.

Is 5.9 or 6.7 Cummins better? Low-End Torque Compared to the 5.9, the 6.7 Cummins offers more torque at low RPM. This is thanks to the 6.7's increased stroke: 4.88 inches vs the 5.9 Cummins' 4.72 inches. Trucks with better low-end torque have greater towing capabilities, so this is a clear benefit for the 6.7 Cummins.

How long do 3rd gen Cummins last? Consumer Reports found that the average Cummins diesel motor can last up to 300,000 miles, though that number can vary wildly based on how it is used and maintained. A neglected engine will give out

sooner than one regularly serviced and kept in good condition.

Where is the serial number on a Cummins qsl9? If the engine dataplate (1) is not readable, the engine serial number (ESN) (2) can be found on the engine block on top of the lubricating oil cooler housing.

What is the best model Cummins? Second-generation 5.9-liter 12-valve (1994 - 1998) Many fans consider this generation to be one of the best, if not the absolute best, Cummins engine ever built. The second-gen engine kept its original 5.9-liter displacement and 12-valve construction — for a period of time, that is.

Are Cummins in Ford's? Cummins engines were installed in Ford's heavy duty F650/F750 line of trucks. The F650/F750 were manufactured in Escobedo, Mexico under a joint venture with Cummins and Navistar. In fact Ford offered a plethora of diesel options including the PowerStroke and even Caterpillar Engines for multiple years.

What years are Gen 3 Cummins? Third Generation 2500 and 3500 (2003-2007) Higher horsepower: The new Dodge diesel was all about power. The 5.9-liter Cummins was equipped with a new Bosch common-rail injection system, boosting horsepower to 500 with the right programmer. For drivers looking for sheer power, this was the generation for them.

What year was 4th gen Cummins? Even though the new, emissions standards-compliant 6.7-liter Cummins was put in Ram HD trucks beginning in the middle of 2007, the true beginning of the 4th Generation was in 2010.

What year 6.7 Cummins to avoid? Due to higher problem counts and lower reliability and safety ratings, the Dodge Cummins model years from 1991 to 1993, 1999, 2003, 2006, 2007, 2008, and 2010-2013 should be avoided.

What is the highest HP engine in a Cummins? Cummins Inc. is bringing the high-horsepower QSK95 engine to mining applications. Producing up to 4,400 hp, the QSK95 is not only Cummins most powerful engine: it's the most powerful in the ULTRA-class truck category.

How many horsepower is a 8.3 Cummins?

What is the fastest Cummins in the world? 1. Scheid Diesel Dragster: 6.31 at 226 MPH. Many Cummins-powered rails have come and gone over the years, but Scheid Diesel has been the quickest and fastest name in diesel drag racing for more than a decade.

What is the weakness of the 68RFE? The most common failure point of the 68RFE is the Overdrive clutches. The OD clutch assembly from OE has significant weak points, even at stock power levels. Add increased engine power, larger tires or a heavy load, and there is a very high probability this will be the first failure of the 68RFE.

What Cummins engines to avoid? The Dodge Cummins engine has been around since 1989, providing power to the Dodge Ram. That's three decades of hard work - there are bound to be Dodge Cummins years to avoid after all that time. We recommend staying away from the 1991, 1992, 1993, 1999, 2001, 2003, 2006, 2007, 2008, and 2011 models.

What are the signs of a bad 68RFE? Problems with the valve body can cause shifting issues, including delayed or harsh shifts. Clutch pack failure: The clutch packs are responsible for engaging and disengaging different gears in the transmission. If they wear out or fail, the transmission may slip, shudder, or fail to engage properly.

What is the problem with the NOx sensor on a Cummins? One of the most common NOx sensor failures is high fuel consumption. This can be caused by an oxygen sensor not reading correctly, which causes your Cummins engine to run lean. A lean mixture will burn more fuel, leading to increased emissions.

What causes Cummins ECM to go bad? Rain water and other forms of moisture deteriorate your metal parts and circuit board of your ECM. A special sealant is recommended to prevent moisture build up.

What causes Cummins turbo failure? 5.9L Cummins Turbocharger Failures Perhaps the most common failure on the 5.9L Cummins turbo is the oil seals. Worn seals in the centre hub rotating assembly can allow lubricating oil into the intake and exhaust. This can be problematic as the intercooler can be clogged by oil in the

intake.

How reliable are 24 valve Cummins? The mechanical systems on the 24-valve are nearly bulletproof, and the VP44 is a great pump. However, the injection pump is very picky about its fuel supply. Normally, it expects a constant flow of fuel between 10 and 15 PSI, and as long as it gets what it wants, the pump will last for a very long time.

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