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## Car amplifier repair cost

1/11 Greentellect Studio/Shutterstock Buying a car is a big decision, but price isn't the only factor. Inevitably, it will require service. How many models would you eying cost you to fix? Fortunately, you can find out. CarMD processed the numbers in the Vehicle Health Index 2018™. Based on the 5.6 million vehicles where check-engine lights take place in 2018, they determine the make and the cheapest models to repair. Here are: 2/11 APISITH/Shutterstock Japanese car manufacturers topped the list with the lowest average engine-related repair cost check: \$285.70. And you're lucky, if you're a fan of convertibles. Mazda's cheapest model to repair is the 2013 Mazda MX-5 Miata, with an average cost of \$81. Also, look at 20 car hacks that will make driving so much better. 3/11 realist2000/Shutterstock The average repair cost of a South Korean car manufacturer comes in at \$319.97. Which model is the cheapest to fix? KIA Soul 2016, with a typical repair cost of \$70. 4/11 pio3/Shutterstock This American car manufacturer ranks third in the list of cheapest cars to repair at an average of \$326.41. The 2017 Dodge Durango is the cheapest brand to fix at \$144. Here are 7 ways you're wasting money on your car maintenance. 5/11 bondvii/ShutterstockHyundai dropped in the rankings from 2017, when the company topped the list. For 2018, the cost of repairing a South Korean car manufacturer averaged \$328.32. The most sensible model? The 2017 Hyundai Tucson averaged just \$66 to fix it. Check out our collection of gift ideas for those who don't have garages. 6/11 Gene J Puskar/AP/ShutterstockFor Chryslers with engine problems, the average repair cost in 2018 was \$329.43. The mid-size Chrysler 200 is the United States automaker's most expensive model to repair, with an average price of \$204. Find out 14 signs your car is going to die. 7/11 Automobile/Shutterstock Engine checks cost jeep lamp owners an average of \$338.57 in 2018. The most economical model is the 2017 Wrangler, which costs an average of \$120 to repair. The 8/11 tishomir/Shutterstock Chevrolet Traverse 2016 is the brand's cheapest model to fix in 2018 at \$129. Overall, Chevy owners pay an average of \$341.19. 9/11 Renovacio/Shutterstock This German carmaker increased one slot from last year's list, with an average repair cost of \$357.92. If you like VW and want to save money, check out the 2017 VW Tiguan, which averages \$121 in engine-related repair costs. Originally Published: January 16, 2019 Specially Published in Reader's Digest Here at Car Bibles we talk a lot about car maintenance. Not just because we play with all the cool tools, but also because it can be a real money saver. That's because the average car repair bill can easily run into hundreds of dollars, so if you can take care of just a few of the most common cars problems that you can keep a lot of cash. In this article we are going through the 10 most common improvements that should be studied by any home mechanics. We will look at the symptoms and signs of each problem, as well as see the easiest improvements that can be done at home. By the way, we did not address the tire changes in this article, as we have discussed them elsewhere. Catalytic Converter Replacement Symptoms: Decreased Fuel Efficiency of Vehicle Engine Power May Fail to Start Service Engine Lights on Dash Display Cure: First of all, you may not need to rush for a full replacement. Before dropping big money on a replacement, try a kataliptic cleaner. It costs only a few dollars and is very easy to use, so you haven't really lost anything. If you try a cleaner and still no repairs, it may be time to bite the bullet and replace your catalytic converter. There are two methods related to the replacement of the converter, which will depend on whether your vehicle's converter is bolt on force or integrated into the exhaust manifold. The replacement is quite easy, especially with the Bolt On style. You just have to get the car to the car jack, get under it and, with a set of wrenches, undo the bolts and remove the old converter. Put the new one in place and securely attach it with a bolt. Related Post: Catalytic Converter Cleaner Symptoms of Loose Fuel Cap: Loss of Smell of Fuel Efficiency Gas (or Diesel) in Light Healing Vehicle Inspection Engine: If the dreaded check engine lights are on, of all the things that can turn them off, this could be the best of them. Why are you asking? Well, that's because it's an easy fix! Next time you fill up, just take a moment to see if the fuel cap is sealed properly. If it is very easy to cancel, if there is no story of how the air is depressed and if you can regularly smell the gas in your car chances are it does not seal properly. Luckily the fix was easy. Buy a new fuel cap, throw the old one in the trash. Oxygen Sensor Replacement Symptoms: Falling Fuel Efficiency Engine Sounds Rough when Idling Jerky Acceleration Rotten Egg Smell Cure: The oxygen sensor works by monitoring incoming oxygen and leaving catalytic converters, with one sensor placed at both ends of the converter room. It can get gummed with carbon and other deposits, so again it could be an idea to flush the fuel system with a catalytic converter cleaner. In this case the stated search is formulated to clean the oxygen sensor because not everything. If that doesn't do the trick, you'll need to pick up a new set of sensors suitable for the car Check the installation materials for your car (either in a vehicle manual or online) but in nine cases out of ten, you simply jack up the car, grab your handy wrench kit and remove it and replace the sensor. Mass Air Flow Replacement Symptoms: Difficulty Starting Machine Kiosks Often Especially After Starting Acceleration is Jerky Making Machine Hiccups like Sounds Cure: Mass airflow sensors are another problem of engine problems that may not be as big as you feared the first time. Before you look to replace it, you should try cleaning it first. The air mass sensor lives in the air filter unit, so when you clean or change the air filter it only takes an additional five minutes to clean the mass sensor as well. Located in the engine air box and the bad news is you will need all your tools to remove it. The wide list of tools required is a flat head screwdriver.... um.... Oh, and you're definitely going to need, uh... No, you just need a screwdriver. If you don't have a screwdriver, well how did you make it this far in life without a screwdriver? Check out our guide to the best screwdriver sets here for a hard cry. Use a screwdriver to remove the sensor, and pop it into a plastic bag filled with rubbing alcohol. Give it a good shake then remove it very carefully and leave to dry for 20 minutes or so. If that doesn't do it, just buy a new one (the right model for your vehicle) and replace the damaged sensor. Symptoms of Spark plug Replacement: Difficulty Starting a Car Engine Is Not Idle Smoothly Decreases Fuel Efficiency Healing Bad Acceleration: Ah, spark plugs. They are one of the classic car repairs because they are both very important components, but also easy to change. Open the hood and remove the cover or boots on the spark plugs. Place the spark plug socket into your wrend and remove the old plug. Replace it with a new set of shiny spark plugs and go. Make sure you don't tighten the plugs more when replacing them. That's probably the most common mistake people make, and it can prevent spark plugs from firing properly. It is also a good idea to replace all the plugs at the same time. Related Post: Symptoms of Best Spark plug EGR Valve Replacement: Power Reduction, Efficiency and Acceleration Check Engine Lights A Rough Sounding Idle Cure: The EGR, or Exhaust Gas Recirculation Valve, works to re-circulate exhaust gas back to the engine to reduce cylinder temperature. It also plays a role in reducing emissions. It can get so dirty that it does require a good clean every now and then. The first thing to do is find and remove the EGR. It will usually be found towards the top of the engine block, but manually check your vehicle if you can't find it. Remove the battery and loosen the bolt that holds the EGR Valve in place. Soak the valve in a bucket filled with Carb Cleaner, unless your EGR Valve has an electrical connection. If so, you should clean it hands with something small like a toothbrush, get into all the corners and small openings. Again, if if if not doing the job it might be time to order a replacement part instead. Related Post: Signs of Bad EGR Valves and How to Clean Evap EGR Valve Cleaning Control Valves/Solenoid Symptoms: Check For Light Vehicle Engines Struggling to Start Immediately After Refueling Healing: EVAP Cleaning Valves (or Solenoids) are a key part of the vehicle's fuel system. The EVAP system helps the vehicle to control the amount of fuel vapor in the tank by absorbing excess steam in the charcoal-lined chamber. The Cleanup Control Valve gradually opens as the vehicle is driven, venting the steam into the engine to burn with the rest of the fuel. When the valve is attached or fully damaged, it will not vent the gas vapor properly. The good news with this device is that it is almost always located at the top of the engine block, whether it is nice and easily accessible. It's a little fiddly to replace, so this is one improvement it's a good idea to watch the video to see exactly what's going on. Symptoms of Ignition Coil Replacement: Shaking Engine Makes Misfire Sound Engine Lack of Acceleration Power Check Engine Light Cars with Only One Coil Will Not Begin to Heal: The ignition coil is, as its name suggests, part of the vehicle's ignition system. This basically converts a relatively low and stable 12 volt power supply from a battery into a high voltage supply to power the spark plugs. While they can fail on their own, they can also be damaged by water entering the engine block, or by worn-out old spark plugs. Fortunately, we wrote a whole guide on how to check your ignition coil, which you can find here. If it has been damaged, there is no repair for the coil - it just has to be removed and replaced with a new model. Luckily they are easy to replace. Just remove the battery and find the coil. They'll be fitted to the top of the machine and screwed up or bolted in place. Remove the screws or bolts and remove the coil. This procedure can be slightly different with different types of vehicles, so see your vehicle manual for more instructions. Remove the old coil, replace it with a new coil. It's also good to change all your spark plugs at the same time as you install new coils. Oh if you drive a V8 the ignition coil will be mounted up and down the engine block. That makes it much more involved in operation, and you have to research how to get in the coil on your specific vehicle model. Related Post: How to Test Intake of Ignition Coil Manifold Gasket Replacement Symptoms: Overheating Engine Leaking Coolant Loss of Fuel Economy Engine Misfires Cure: Manifold intake itself is a cover made of aluminum, plastic or steel that sits right on the machine itself. Gaskets are made of rubber and plastic and they hold the intake manifold in place. Manifold works to ensure that the mixture of gas and air engine to operate directed into the cylinder. It also transports the coolant to the cylinder head. That makes it easy to know when the gasket fails, because the engine will overheat and will also leak the coolant. Gaskets are simply rubber and plastic tubes that connect the intake manifold to the machine making it easy to see if they are cracked or damaged, and if they simply remove the top of the manifold then disconnect and replace the old gasket. Put the manifold back in place, tighten all the nuts and bolts and you're ready. Thermostat Replacement Symptoms: The Engine Takes a Long Time to Heat Or Overheat, Too Fast and Over Heats Cure: The thermostat monitors the engine temperature and uses a built-in cooling system to modulate it. When the engine becomes hot, the thermostat allows the coolant to flow. When the engine is cold, it keeps the coolant quiet and inside the block. To change the thermostat, you must first let the engine cool completely, and then raise the vehicle on top of the jack seat. Find a cooling drainage port on your vehicle model and drain the coolant from the system (oil pans can be useful for this). The thermostat itself is usually installed under the protective housing on the cylinder head or close to the water pump (coolant). Remove the house and remove the thermostat. Replace it with a new model and also change the gaskets and seals that help hold it in place. Recharge the cooling system and you're done. That conclusion includes ten of the most basic fixes that if you can master, you can actually save money in mechanical costs. All the tasks we see above can be done with a fairly basic set of tools, and nothing very complicated. The only thing to keep in mind is that the various components we are talking about can all look a little different depending on the manufacture, model, and even year of manufacture of your own vehicle. Therefore, what we have done is provide a very broad picture of the steps you need to go through to complete each improvement. However, it's a good idea to double-check with a manual dedicated to your vehicle before you try anything for the first time. Related Post: Why Is My Car Splattered? Source: 12 Most Common Car Problems and Problems - Your Mechanical Mechanics

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