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Image Engineering Details Brian Stewart-Coxon Fotolia.com transfer of your Pontiac Grand Am is responsible for automatic gear change as the vehicle moves. In order to keep the gear and keep it running smoothly, you need to have enough fluid transmission. Transmission fluid is a specialized oil that lubricates gears and valve work. You can easily check your ATF level in your grand AM yourself as the dipstick is labeled and the liquid is painted green or red to make it easily noticeable compared to motor oil. Maintaining fluid transmission is important enough for the life of your Grand Am. Place the Grand Am in the park and turn on the ignition key to start the engine. Allow the car to warm up for ten minutes. It is best to have your car running and heated to get the most accurate reading at your fluid level. Open the hood of Grand Am. Find an automatic transfer fluid container on the driver's side of the engine. The container has a red lid, which is a dipstick, and is labeled as an ATF. Remove the DIPstick ATF by pulling it out of the container. Peel the dipstick with a rag and replace in a container. Remove the dipstick again and read the measurements. Dipstick is labeled as full and add. When the liquid gets below the line to add, the transmission fluid is needed. Removing the dashboard on the Pontiac Vibe depends on how many of them you need to take off. You may just need to remove one or more trim panels. If you have to perform some maintenance that requires the dashboard to be completely removed, you will need to remove several components along with the top and bottom halves of the panel. This can take a long time and may require the help of another person. Turn off the negative Vibe battery terminal by loosening the cable clip with a wrench. Pull the central handle on the heating/air conditioning control and remove the screw behind the handle with a screwdriver. Turn off all switches on the bottom central panel with a flat-headed screwdriver. Turn off the electrical connectors behind the switches and snatch the panel from your clips. Peek out of the top central trim panel in the same way as the bottom and unplug the electrical connectors behind it. Unplug the screws for the bottom half of the steering column lid with a screwdriver. Divide the two halves of the lid. Open the armrest compartment on the center console. Remove the screws for the console, some of which are in the compartment, and remove the console. Open the glove box and remove one screw in the right corner. Squeeze the box on the sides to clear the corks and pull the box out of its clips. The same with shabby plates in the lower corners of the inner door frame. Remove one screw for the kick panel that is behind the plate and remove the impact panel on each side of the dash. Turn off The passenger airbag connector that is inside the glove box hole. Relax the screws for the driver's airbag with the Torx wrench until the grooves of the propeller catch on the screw case. Remove the airbag module from the wheel and disable its electrical connectors with a screwdriver. Mark the ratio of the steering wheel to the shaft with a marker if there are no traces. Turn off the electric cruise control connector if it is so equipped. Remove the nut-removing wheels with a wrench. Remove the wheel with the pulley of the steering wheel. Lower the steering column and spy on the bezel of the dashboard. Remove the upper mounting screw of the cluster with a screwdriver. Peek out of the bottom clips with a flat tool. Pull out the cluster and turn off its connectors. Peek out of the vents in the top dashboard and trim the panels along the windshield pillars using a trim stick. Remove three screws for the top dashboard with a screwdriver. Release his clips and claw tabs. Pull the panel to the back of the car to remove it. Turn off the hood pen from the bottom of the dashboard. Pry open your clip with a flat instrument. Release the end of the cable and pry with plastic housing. Fasten the pins that fix the lower ducts. Remove the mounts for the bottom panel, which have been hidden by the top panel, and remove the panel. If it doesn't shut down easily, you haven't removed all the attachments. wrenchScrewdriversTrim stickThin, the flat wheel-wheeling tool Pulley Pontiac Vibe is equipped with rear wipers. The rear windshield wiper is responsible for cleaning and keeping the rear windshield clean. The rear windshield wiper allows the driver to have increased visibility when looking behind the vehicle, backing up or looking in the rearview mirror. It is important to have increased visibility during bad weather. Pontiac suggests checking the wiper blade twice a year, or if the blade's performance begins to deteriorate. Place the Pontiac Vibe in the Park and turn off the engine. Remove the ignition key to make sure the vehicle is not moving. Click on the two locking pins. The pins are located where the blade meets the hand of wipers. Turning off the pin will release the blade from the hand. Raise the hand of the wipers, pulling out the blade. You will hear a clicking noise as the blade is removed. Replace the blade by pressing the replacement blade into the back hand of the wipers. Push the pins down when you press the blade to the end of the hand. Pins will pop up, signaling that the blade is locked in place. Follow the latest daily buzz with buzzFeed Daily Newsletter! Our automotive experts choose every product we select. We can make money by linking up on this page. 2001 Detroit NAIAS Auto Show They, were released by two separate companies at two different times, but the Pontiac Vibe and the Toyota Matrix Matrix The same car under the skin; Just like the Chevrolet Prizm and Toyota Corolla are mechanically identical. In fact, the Pontiac version of this high station wagon/hatchback thingy essentially takes the place of the Prizm in the California manufacturing that Toyota and General Motors share. Both Vibe and Matrix were developed primarily by Toyota. Pontiac then applied his style to vibe. Details aside, the basic proportions are both distinct, like the other high wagon/hatchback, the Chrysler PT Cruiser. Inside the Pontiac and Toyota have folding rear and front passenger seats (like some Chrysler we know). This capability allows Vibe and Matrix to swallow 57.2 cubic feet of cargo, or about the same size as a mid-size wagon. The base models are equipped with a 130-horsepower four-cylinder engine. The Vibe GT and Matrix sports model uses the 180-horsepower four-cylinder Celica GT-S engine. Expect prices to be competitive with what else, PT Cruiser when they arrive at dealerships next year as 2003 models. This content is created and supported by a third party and is imported to this page to help users provide their email addresses. You may be able to find more information about this and similar content on piano.io Advertising - Continue reading below Join the Conversation Download... Whether you are an experienced driver or perhaps you are thinking about learning how to drive a car, you probably already have an opinion on the guide against the automatic debate. In the UK, almost everyone drives a car with a manual transmission, while over a pond in the US it would be unusual to drive a car with a manual transmission. In this guide against automatic review, we'll look at the difference between the two types of transmission. We will look at the pros and cons of both and conclude with what we consider to be the best choice. But first, let's answer that all the important questions... What is the difference between a manual and automatic car transmission? The car needs a full working gearbox (or gearbox) to allow the vehicle to change gear, but the internal operation of the vehicle is very different between the car's manual transmission and the car's automatic transmission. The manual car is recognizable from the inside, as it contains a clutch pedal that is used to switch gears, as well as a gear switch stick between the two front seats, which offers complete control over the car and between 5-6 gears and reverse. The automatic car is distinguished by the fact that it has a simplified gearbox with the following settings: Park - P, Reverse - R, Neutral - N and Drive - D. In a car with a manual transmission you will choose the right type of equipment for your journey, where it is necessary in everything. The automatic car does what it says on the tin, in that it chooses the right type of gear for you in relation to your speed and road conditions. But what's better ... Manual or automatic? Automatic? after all, when it comes to choosing whether to drive an automatic or manual car, it's still a matter of opinion and personal taste. There are many factors that should be taken into account that we will go into more detail later, but overall it depends on a number of things, including what type of driver you are, the roads and the conditions that you drive and your budget. Let's take a look at the nitty gritty automatic and manual transmission of cars... Why Automatic Is Better You will find that people are very evenly divided when it comes to what type of transmission they prefer, and this is often directly related to the type of car they learned how to drive. If you've learned to manage a guide you're going to find it weird driving auto and vice versa. People usually love automation because they are easier to control. The gearbox is so simple that even a child can use controls. Because automatic cars are easier to drive, many people prefer to learn how to drive automation only, so in this respect, they can make learning to drive the way more accessible to people who might otherwise find manual gear difficult. This is a safer way to learn too as you will keep both hands on the steering wheel at all times as the gears are taken care of automatically. This means that you have more time to focus on your road position and speed. Automatic cars are better in cities where you drive through stop-start traffic. The drive will feel much more comfortable as the transition between transmissions will feel smoother. Stalling won't be a problem either as there is no clutch to create that embarrassing judder that always seems to be happening in the light. Automatic gearbox cars are better for areas with lots of hills. They may not be as fun to ride on a hilly road, but it will certainly be less stressful as navigating steep roads using a manual transmission can be a tricky business. Why automatic is worse, if you learn to drive a car with an automatic transmission, then you will always be an automatic driver. This means that if you want to drive a car with a manual transmission, then you have to retake the test in a manual car. It is better to learn how to drive a manual car, and then decide on what you prefer afterwards, in our opinion. Automatic cars are not thought to be as economical as a car with a manual transmission, although the technology is evolving and some are said to be better. One of the drawbacks of driving an automatic car is that they are more expensive to buy. Not only are the initial purchase costs higher, but they can also be expensive to fix as the mechanisms are more complex than the mechanisms of their tame brethren. Another knock-on effect on this, is that insurance is often higher for an automatic car. So while these cars are considered safer than cars with a manual transmission, they will cost you more money in the long run. Run. The better guide most manual gearbox drivers will tell you what the reason they like driving is the guide because it feels like real driving. With a manual car (or a stick shift in the US) you have complete control over the vehicle, you are more involved in the mechanics of the car and find that it is a completely different type of drive that is out of automatic. With the car's automatic transmission you will no doubt be an easier, smoother journey. The manual car will challenge you in different ways, but eventually you will get a better sense of fun when you have complete control over the gear and grip. Of course, this is only really the case if your daily commute is not in heavy traffic every day. For this, automatic would definitely be better. Manual cars are more fuel efficient - as the engines are lighter and less sophisticated you will get more mileage from your fuel. The car is not a second guess gear either, what automation usually does, you have control over the gears and the way your car uses its fuel. The biggest reason for driving a manual car is that they are significantly cheaper to buy both new and used. If you are looking to save money, then consider driving a manual car, since not only are operating costs lower than automatic and the initial cost of buying is cheaper, but insurance costs are lower too, and that's because the internal work of a manual car is much less complicated. Driving a manual car means you have to learn how to drive and take your test in a manual car. Once passed you will have a manual license which means you can opt for driving manually or automatically. It's so much better. Why the guide is worse, as we mentioned above, if your daily commute includes hundreds of miles of motorway, then perhaps a manual car is not the best choice for you. It's nice to have complete control over your car, but after a few hours on the straight road you want your car to work gear itself. Most car rentals in Europe and almost all car rental locations in the U.S. will offer you an automatic car. If you have passed the driving test in a manual car then it will take some time to get your head around the automatic gear. That being said, it's easier to learn automatically than stick-shift gears. Manual cars are harder to drive and attract more thinking. If you live in hilly terrain, then it can be tricky to work gear and grip. Chances are you're stalling in a car with a manual transmission. This will happen from time to time and it will always happen when people are watching. Shame stall it doesn't fade. Related message: How to properly add fluid to the automatic transmission car Concluding the theme of manual transmission vs. automatic transmission will always be subjective. Everyone has their favorite kind of driving because it really is what it is. Is. do with the car and more about driving. What type of drive do you want? If you live in an urban area and spend long periods of time on straight roads amid heavy traffic, then a manual car may not be the best choice for you. An automatic car can make a daily commute as it is much more tolerable. Some drivers just want more control. If you've learned to ride manually, then switch to automatic you'll know it's feeling weird. It's like something's missing. It's not like driving at all, it feels a bit like a hoax, which, as funny as it sounds, will sound true to manual car drivers. The question of the budget should also be repeated. Automatic cars are definitely more expensive to buy, more expensive to fix and more expensive to insure. But they are lighter and have their advantages too. Before deciding to buy a manual or automatic car, you really look at your driving needs and at least try two different types in order to get an idea of how they feel. You'll immediately know which one you prefer. Sources: Sources: Sources:

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