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1. Park the vehicle on level ground. 2. Remove the aerodynamic under cover No.2.. 3. Remove the drain plug and gasket, and drain the manual transaxle oil. 4. Install a new gasket and the drain plug. Tightening torque 3959 Nm {4.06.0 kgfm, 2943 flbf} 5. Remove the oil level plug and gasket. 6. Add the specified manual transaxle oil through the oil level plug port. Manual transaxle oil grade API service GL-4 Manual transaxle oil viscosity SAE 75W-80 7. Install a new gasket and the oil level plug. Tightening torque 3959 Nm {4.06.0 kgfm, 2943 flbf} 8. Install the aerodynamic under cover No.2.. 1. Park the vehicle on level ground. 2. Remove the aerodynamic under cover No.2.. 3. Remove the oil level plug and gasket. Tightening torque 3959 Nm {4.06.0 kgfm, 2943 flbf} ... CAUTION: Secure the steering wheel using tape or a cable to prevent the steering shaft from rotating after disconnecting the steering shaft. If the steering wheel rotates after the steer ... Emission Control System This vehicle is equipped with an emission control system (the catalytic converter is part of this system) that enables the vehicle to comply with existing exhaust emissions requirements. WARNING Never park over or near anything flammable: Parking over or near anything flammable ... Drive Belt Inspection [Mzr 2.0, Mzr 2.5] MZR 2.0 A/C drive belt NOTE: Drive belt deflection/tension inspection is not necessary because of the use of the maintenance-free type A/C drive belt. Replace the drive belt if it is found to be damaged during visual inspection, or if there is a malfunction or noise in th ... Accessory Socket Inspection Front 1. Disconnect the negative battery cable.. 2. Remove the upper panel.. 3. Remove the shift lever knob. (MTX). 4. Remove the selector lever knob. (ATX). 5. Remove the shift panel. 6. Remove the accessory socket (front). 7. Connect a tester as shown in the figure and verify that the ... This comprehensive guide will provide you with step-by-step instructions on how to change the transmission fluid in your Mazda 3, ensuring smooth gear shifts and optimal transmission health. Using the 14mm socket wrench, carefully loosen the drain plug and allow the old fluid to drain into the pan. Changing the transmission fluid in your Mazda 3 is a crucial maintenance task that ensures smooth gear shifts and extends the life of your transmission.Maintaining your Mazda 3s transmission is crucial for its performance and longevity. Changing the transmission fluid is a vital part of this maintenance routine. This comprehensive guide will provide you with step-by-step instructions on how to change the transmission fluid in your Mazda 3, ensuring smooth gear shifts and optimal transmission health. Before you begin, ensure you take the following safety precautions:Park the vehicle on a level surface and engage the parking brake.Allow the engine to cool completely to avoid burns.Wear gloves and eye protection.Use only the specified transmission fluid for your Mazda 3.New transmission fluid (consult your owners manual for the recommended type and quantity)Drain panFunnel10mm socket wrench14mm socket wrenchTorque wrench (optional)New washer for the drain plugSlide under the vehicle and locate the drain plug at the bottom of the transmission pan.Place the drain pan under the drain plug.Using the 14mm socket wrench, carefully loosen the drain plug and allow the old fluid to drain into the pan.Once the fluid has drained completely, use a clean rag to remove any remaining fluid from the drain plug and its threads.Inspect the old washer on the drain plug. If it is damaged or worn, replace it with a new one.Apply a small amount of thread sealant to the threads of the drain plug.Hand-tighten the drain plug into the transmission pan.Use the 14mm socket wrench to further tighten the plug, but do not overtighten.Move to the side of the transmission and locate the fill plug.Insert the funnel into the fill plug opening.Slowly pour the recommended amount of new transmission fluid into the funnel.Continue adding fluid until it begins to overflow slightly.Remove the funnel and hand-tighten the fill plug into the transmission.Use the 10mm socket wrench to further tighten the plug, but do not overtighten.Start the engine and allow it to idle for a few minutes.Shift through all the gears, pausing briefly in each gear.Park the vehicle and recheck the fluid level. If necessary, add more fluid until it reaches the correct level.After changing the transmission fluid, it is recommended to reset the TCM to ensure optimal performance.Consult your owners manual for specific instructions on how to reset the TCM for your Mazda 3. Changing the transmission fluid in your Mazda 3 is a crucial maintenance task that ensures smooth gear shifts and extends the life of your transmission. By following these step-by-step instructions, you can complete this task with confidence and ensure your vehicle continues to perform at its best. Q: How often should I change the transmission fluid in my Mazda 3?A: Refer to your owners manual for the recommended maintenance schedule. Typically, transmission fluid changes are recommended every 60,000 to 100,000 miles.Q: Can I use any type of transmission fluid in my Mazda 3?A: No, it is important to use the specific type of transmission fluid recommended by Mazda for your vehicle. Using the wrong fluid can damage your transmission.Q: What are the signs of low transmission fluid?A: Signs of low transmission fluid include difficulty shifting gears, slipping gears, and a burning smell. If you experience any of these symptoms, check your transmission fluid level immediately and add fluid if necessary. Was this page helpful?YesNo Thanks for your feedback! This video shows you how to add transmission fluid to your 2011 Mazda 3. Before contemplating a transmission fluid change and searching for the transmission fluid change cost on a 3, see if you need to add transmission fluid. How to add transmission fluid? First, make sure that your engine was running when you checked the fluid level. If the transmission fluid level on your 3 is low, you need to add fluid through the dipstick tube or the check plug. Mazda has developed sophisticated transmissions through the years and it is critical that you add the exact type of transmission fluid stipulated by your owner's manual (typically in the back of the manual in a section titled Fluid Capacities.) The manual will likely call for a specific type of Mazda transmission fluid. It may state a type such as Dexron, Mercon, Allison, Type-F or CVT transmission fluid. If you are going to use a different brand of fluid such as Valvoline transmission fluid, be sure it matches the type specified in the owners manual. When adding transmission fluid to your 3, be sure to add it slowly as the transmission fluid capacity is reached quickly and it can be difficult to remove excess fluid if you overfill.When to add transmission fluid to a 3? If you are having problems with the transmission in your 3, such as clunky shifting or hesitation, check the transmission fluid level first - it is amazing how many drivers pay thousands of dollars for transmission work when a half quart of transmission fluid would have fixed the problem. Time for another installment of Mazda3 maintenance! This time its the manual transmission fluid and the differential fluid. They are one in the same. Mazda calls this a lifetime fluid and never calls for it to be changed out. In my humble opinion, thats not good. Nor is it right. So heres how you change it.4 fresh quarts of MT-90.Without getting into an oil debate, this is my preferred lube. Redline MT-90. It is a 75w90 GL-4 gear oil. That satisfies Mazdas requirements perfectly. Ive used it in my Miatas for 10 years and have always been happy with it. When I saw the oil spec was the same on the 3 as on the Miata, I didnt even question which fluid to buy. You need something like 3.1 quarts. Four of these bottles will cover you. I happened to have a space 1/2 quart in my garage, so I got by with buying three. You will also need a drain pan, some paper towels, and a 23mm wrench/socket. And, perhaps most important, a fluid pump. The 3 on jack stands.Youll need to get the car up into the air where you can get to the transmission fill and drain plugs. Youll also need the car to be level. Id suggest 4 of the strongest jack stands you can find. I love my ESCO stands. You can read about them in my Mega Jack Stand Review. I place the stands on the factory jack points at the back of the pinch welds and under the front control arms. The car is extremely stable when held up by these four points. Dont forget to give the car a good shake after you get it up on the stands. Better to find a wobbly stand when youre beside the car rather than when youre under it. Transmission fill plug:The transmission is to the drivers side of the engine bay. Its the big, shiny metal housing. My wrench is on the fill plug facing toward the front of the car. Always remove the fill plug before removing the drain plug. Life gets exciting when you have a completely drained transmission but no way to fill it Transmission drain plugSorry about the cropping on this shot. This was the best one of the batch. The drain plug is the same size as the fill plug, just on the bottom of the transmission. It is the only plug on the bottom of the engine that looks like this and is 23mm. Drain out the old fluidMake sure to leave the fill plug off. The fluid drains much faster this way. Feel free to be as thorough as you like. I let mine drain for a good 20 minutes. Transmission plugsI chose to reuse my crush washers. Neither were very tight from the factory and my car is still fairly new. I will change the washers out when I do the fluid again in 30,000 miles. Torque the drain plug to 29-43 ft/lbs once youre done draining the old stuff out. Fill it up! It would probably be possible to fill the transmission with a long run of hose and a funnel from the top side, but I like my little fluid pump. It fits a Redline bottle perfectly and goes through a bottle pretty quick. But to each their own. As I said above, youll need a little more than 3 quarts. I just pump until fluid starts to come out of the fill hole. When youre done, torque the fill plug to 29-43 ft/lbs. And in case you missed it above, the transmission fluid is also your differential fluid. You just changed both. Congratulations! While Mazda markets its ATF as lifetime, most experts recommend changing it between 60,000 and 100,000 miles for optimal performance. Extreme driving conditions may necessitate earlier changes. Here is how to do a quick Mazda 3 Transmission Fluid Change: Gather the Tools and Supplies: Before starting, gather all the necessary tools and supplies. Here is a list of what you are going to need: Mazda OEM ATF fluid or an equivalent (e.g., AISIN ATFMEFZ, Amsoil for extended temperature range). 8mm hex wrench for the drain plug. Funnel for refilling. Container to measure drained fluid. New crush washer for the drain plug. Basic tools for removing the airbox (socket wrench, clamps, etc.). Set up your workspace on a flat, level surface. If you need to lift the car, ensure all four wheels are evenly raised using jack stands or ramps. This is crucial for accurate fluid measurements and a safe working environment. Locate the transmission drain plug on the pan. Use the 8mm hex wrench to loosen and remove it carefully. Allow the fluid to drain completely into your container. Once drained, measure the amount of fluid. Typically, for a drain-and-fill without dropping the pan, youll collect around 3.54 quarts. This measurement is critical as it will guide you during the refilling process. Replace the crush washer on the drain plug, then securely tighten it to prevent leaks. To access the dipstick, youll need to remove the airbox. Begin by loosening the clamp on the airbox hose and disconnecting it. Next, unclip the metal clips securing the airbox top and set it aside. Then, remove the two bolts holding the inlet path near the front bumper. Once the bolts are out, the airbox will still be held in place by three rubber grommet mounts. Gently pull upwards to release the airbox from these mounts. This step might feel tricky, but a firm pull will free the airbox. Watch the Video below: Insert a funnel into the dipstick tube, which also serves as the fill hole. Slowly pour in the same amount of fluid you drained earlier. Using the exact measurement ensures accuracy, especially if you dont have tools to monitor the transmission temperature. Mazda recommends OEM ATF fluid, but AISIN ATFMEFZ is a popular alternative due to its cost-effectiveness and reliability. Avoid overfilling, as it can cause transmission issues. Once refilling is complete, its time to reinstall the airbox. Start by placing it back into its rubber grommet mounts. Reattach the inlet path and secure it with the bolts. Next, reconnect the airbox hose and tighten the clamp to ensure a secure fit. Finally, clip the airbox top back into place. Double-check that everything is securely fastened before moving to the next step. Start the engine and let it warm up to bring the transmission to its operating temperature. If you have a scan tool, use it to monitor the transmission temperature, as the dipstick reading is most accurate at the correct temperature. Check the fluid level using the dipstick and add more fluid if necessary. This step ensures your transmission operates smoothly and without issues. Mazda OEM ATF fluid is the best choice for maintaining optimal performance, but alternatives like AISIN ATFMEFZ and Amsoil are great for those looking to save costs. Always measure the drained fluid carefully, especially if you dont have a scan tool to monitor the transmission temperature. This ensures you refill the correct amount and avoid overfilling. If you decide to drop the pan and replace the filter, be aware that older Mazda models may have a fiber filter thats straightforward to replace. This process will require more fluid than a standard drain-and-fill, so plan accordingly. While Mazda claims the ATF is lifetime, changing it every 60,000100,000 miles is a good practice, particularly if you drive in harsh conditions or tow heavy loads. Lastly, ensure the car is on a flat, level surface throughout the process. If shifting feels off after the fluid change, you might need to perform a shift pattern relearn or consult a mechanic. These steps, combined with proper preparation, will ensure a successful and smooth transmission fluid change for your Mazda3.

**How many quarts of oil does a 2011 mazda 3 take. Mazda 3 manual transmission fluid change. How to change transmission fluid mazda 3 2010. Mazda 3 transmission fluid change interval. How to change transmission fluid 2011 mazda 3. Mazda 3 manual transmission fluid capacity.**