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Is your dryer belt torn or damaged? Dont stress, you can fix it yourself with our easy-to-follow DIY guide. Not only will you save money, but yould also save time by not having to wait for a repair technician. This guide will provide step-by-step instructions on how to fix a broken dryer belt, from understanding the function of the belt to testing and troubleshooting. Lets get started!Key Takeaways:Repair your dryer belt yourself and save money and timeUnderstanding the function of a dryer belt is the first step to fixing itGather the necessary tools and materials before starting the repairAlways prioritize safety and disconnect the power supply before starting any repairsFollowing our step-bystep guide will make the repair process easy and seamlessUnderstanding the Function of a Dryer BeltBefore diving into the repair process, its essential to understand how a dryer belt works. Simply put, a dryer belt works. Simply put, a dryer belt works. clothes wont dry properly. There are a few common issues that can arise when a dryer belt is broken or damaged. These include: Dryer wont turn on or wont startNoisy dryer operationDryer drum wont spinDryer stops mid-cycleTo troubleshoot these issues, youll need to learn how to fix a broken dryer belt. In the following sections, well provide stepby-step instructions to help you repair or replace the damaged dryer belt. Dryer Belt Troubleshooting f your dryer belt is causing problems, there are a few steps you can take to troubleshoot ing steps: Check for obstructions or items stuck in the dryer drumInspect the pulleys and rollers for any damage or wearEnsure that the dryer spower supply is connected correctly and functioning properlyIf none of these steps resolve the issue, youll likely need to replace the dryer belt. The following sections will guide you through the process of fixing a damaged dryer belt, step by step. Gathering the Necessary Tools and MaterialsBefore you start repairing your dryer belt, make sure you have all the necessary tools and materials on hand. This will save you time and hassle during the repair process. ToolsScrewdriver (either Phillips or flathead, depending on your dryer model) Socket wrench (optional, depending on your dryer model) Putty knife or scraper (optional, if your dryer has a top panel)MaterialsA replacement dryer belt (make sure to purchase the correct size for your dryer model)A vacuum cleaner or lint roller to remove any lint and debris from the dryer before and after the repairIts important to note that if your dryer also needs other repairs besides the belt replacement, you may need additional tools and materials. However, for a simple dryer belt repair or replacement, the above items should suffice. See also Frigidaire Gallery Dishwasher Won't Start - FixesSafety Precautions and Power DisconnectBefore starting any repair work on your dryer, it is crucial to take the necessary safety precautions to avoid accidents. The first and most important action item on your checklist should be to disconnect the power supply. This will prevent any electricity from flowing into the machine and causing harm to you or your appliance. To disconnect the power supply. This will prevent any electricity from flowing into the machine and causing harm to you or your appliance. To disconnect the power supply. remove the fuse to cut the power supply. Once that is compatible with your appliance. Using an incorrect belt can cause damage to the dryer and result in additional repair costs. Check your dryers manual or consult with a professional to ensure that you have the right replacement belt. Accessing the Dryer BeltNow that you have gathered the necessary tools and materials and have ensured your safety, its time to access the dryer belt. Heres how:Unplug the dryer from the power source to prevent any accidental electric shock. Move the lint screen to expose the screws that hold the top of the dryer in place and keep them in a safe place. Using a screwdriver, unscrew the screws and lift the top lid of the dryer upwards. Make sure to prop it securely against something so it doesnt fall on you. Locate the belt. It should be wrapped around the dryer upwards. Make sure to prop it securely against something so it doesnt fall on you. Locate the belt has broken, you may find it lying on the floor of the dryer. Once you have followed these steps, you should have full access to the dryer belt. Image: Removing the Old Dryer BeltNow that you have access to the drum: First, release the tension on the idler pulley by pushing it towards the motor. Remove the old belt from the drum by gently pulling it out. Next, remove the belt from around the motor and idler pulley. Be sure to note the routing of the old belt properly before proceeding with the replacement process. See also Fix It: Electrolux Dryer Making Loud Noise - Tips and TricksRemember to take caution while removing the old dryer belt as it may be torn or damaged. Wear protective gloves to avoid injury from sharp edges. Now that the old belt has been removed, its time to move on to the next step in the process: installing the New Dryer BeltNow that youve removed the old dryer belt, its time to install the new one. Follow these simple steps:Position the drum belt onto the drum where the old belt used to be. The smooth side of the belt is centered and straight on the drum. Rotate the drum by hand to ensure the belt is properly aligned. Once youve completed these steps, use the exploded diagram below as a guide to double-check everything:Remember, its important to make sure the belt is installed dryer belt will ensure optimal performance and reduce the need for future repairs. Reassembling the DryerNow that the new dryer belt is in place, its time to reassemble the dryer. Follow the below steps to get your dryer back into place. Reattach the front panel of the dryer back into its original position. Plug the dryer back in and turn it on to ensure its working properly. Its important to note that each dryer model may have slightly different reassembly steps. Once youve completed the reassembly, your dryer should be back to optimal performance. Remember to keep up with regular maintenance and cleaning to prevent future dryer on a no-heat cycle for a few minutes to check the belt tension and alignment. If the belt appears to be too loose or too tight, you may need to readjust it. If you encounter any issues during the testing phase, dont panic. Troubleshooting common problems is often as simple as checking the belts placement or tension. If the dryer is making strange noises or isnt turning on, double-check that the power supply is connected properly and the safety features are engaged. If youre having difficulty troubleshooting, it may be time to replace it again. However, with proper installation and maintenance, a new dryer belt should last for years to come. See also Bosch Dishwasher Cycles Explained: Your GuideConclusionCongratulations! You have successfully repaired or replaced your dryer belt. By following our DIY guide, you saved yourself time and money and restored your dryers performance. We hope the step-by-step instructions were easy to follow and helped you fix the issue with ease. Remember, safety should always be a top priority when working with appliances. Dont forget to disconnect the power supply and take other necessary safety precautions before starting the repair process. If you encounter any difficulties or the issue persists, its always best to consult a professional. Now that your dryer is back up and running, you can say goodbye to the frustration caused by a broken dryer belt. Enjoy the convenience and efficiency of a fully functioning dryer in the comfort of your American home! The time it takes to fix a broken dryer belt can vary depending on your experience and the specific model of your dryer. On average, it can take anywhere from 1-2 hours to complete the repair. Fixing a broken dryer belt is a DIY project that can be done by most homeowners. However, if you are not comfortable working with appliances or if you encounter any difficulties during the repair process, it is always best to consult a professional. You can purchase a replacement dryer belt from hardware stores, home improvement stores, or online retailers. Make sure to have the model number of your dryer on hand to ensure you purchase the correct belt. There are a few signs that indicate your dryer belt may need to be replaced. These include a dryer that isnt spinning or tumbling, unusual noises during operation, or visible signs of wear or damage on the belt itself. It is recommended to use the specific dryer belt recommended by the manufacturer for your dryer model. Using the correct belt ensures a proper fit and optimal performance. Yes, safety should always be a priority. Before beginning the repair, make sure to disconnect the power supply to the dryer. Additionally, its a good idea to wear protective gloves and eyewear while working on the appliance. If you encounter any difficulties during the repair process or feel unsure about any steps, it is best to consult a professional. They will be able to provide guidance and ensure the repair process or feel unsure about any steps, it is best to consult a professional. They will be able to provide guidance and ensure the repair process or feel unsure about any steps, it is best to consult a professional. ton of noise when you turn the dryer on. Disassembling your dryer is slightly different from model to model, but look for fasteners and screws around the two pulleys at the bottom of the machine in a zigzag pattern. If you have a gas dryer, close the valve and disconnect that, too. You don't want to shock yourself, so pull the plug on your dryer. Disconnect the aluminum hose from the dryer. If your dryer runs on gas, close the valve on top of the pipe that feeds into the wall. Then, use a wrench or channel locks to loosen the nut connecting the gas line to open it.[1]You
might smell some faint gas from the residue in your gas line. So long as the valve is off, youre okay. Stuff a rag in the pipe and the opening of the gas line to block the smell if its bothering you. Advertisement Youll need room to work, so pull the dryer away from the wall. Hold the dryer away from the wall. Continue working it out until youve got plenty of room to maneuver around the dryer. Now is a convenient time to clean any lint stuck in your duct! Remove the screws inside of the filter slot and set them aside. Youre going to disassemble your dryer, but there are typically screws inside of the lint filter. Place them elsewhere for now.[2]Skip this step if your lint filter isnt on top of the machine. Use a magnetic screwdriver if you can. If those screws here. To keep track of everything, it may help to label your screws by setting them in labeled sandwich bags. Advertisement This is a little different on every model, but look for screws, unfasten the clips, and/or press the buttons to try and remove any of the panels. If you dont see any fasteners anywhere, you likely have to pop the top panel out first to reveal the fasteners. You may be able to search your dryer model online to find instructions on removing the panels. If you dont see any fasteners anywhere, you likely have to pop the top panel out first to reveal the fasteners. You may be able to search your dryer model online to find instructions on removing the panels. putty knife or metal file under the seam at the top. Move it left and right along the seam until you find the 2 clips holding the top panel in place. Pry the panel up with one hand while pressing on the clips with your knife or file until they unlock.[3]Once youve unlocked the top panel of the dryer, lift it up off of the dryer. You may need to pull the panel out a bit before you can slide it up. If the panel cant be completely removed, prop the panel is up, you should be able to see the belt, it probably broke and is sitting at the bottom. Advertisement Look on the interior rim of the dryer and disconnect any wire hookups. Press the tab on top of any wire harnesses you find and disconnect the wiring looks uniquely complicated or it isnt color-coded, take photographs of the connections to ensure you can put it back together when youre done. Unscrew any fasteners and lift the front panel out. Look along the seams on the inside of the machine for screws, clips, or other fasteners. Remove them to unlock the front panel. Brace the drum with one hand and gently try to slide the panel out. Once the panel is free, gently lower the drum and place the panel in place at the bottom, look at the bottom of the machine and remove any fasteners down there. You may need to use a nut driver attachmen to remove any hex nuts if they dont have the divots for a screwdriver on them. There may be a bulkhead supporting the drum at the bottom. If there is, remove the brackets and screws underneath to remove it. Advertisement The model number you need is printed directly on the old belt. With the drum fully exposed, you should see the belt on a groove in the middle of the drum. If it isnt there, look underneath the drum for the broken belt. Scan each part of the belt for a serial number to find the exact belt you need. A replacement belt shouldnt cost more than \$5-15.If the belt isnt broken take a photo of the assembly where it wraps around the motor. The belt wraps around the motor pulley that connects to the bottom frame, and the motor pulley. The idler pull might be loose and free if your old belt broke. Once your belt arrives, hang it around the drum. There should be plenty of slack in the belt, so dont worry about the excess slack. Prop the drum up with a small box so that it sits the same way it was in the machine. Slide the belt over the small groove in the drum where the previous belt sat.[6]The sticky, grooved sides normally point down at the drum where the previous belt sat.[6]The sticky, grooved sides normally point down at the drum where the previous belt sat.[6]The sticky, grooved sides normally point down at the drum where the previous belt sat.[6]The sticky, grooved sides normally point down at the drum where the previous belt sat.[6]The sticky, grooved sides normally point down at the drum where the previous belt sat.[6]The sticky, grooved sides normally point down at the drum where the previous belt sat.[6]The sticky, grooved sides normally point down at the drum where the previous belt sat.[6]The sticky, grooved sides normally point down at the drum where the previous belt sat.[6]The sticky, grooved sides normally point down at the drum where the previous belt sat.[6]The sticky, grooved sides normally point down at the drum where the previous belt sat.[6]The sticky, grooved sides normally point down at the drum where the previous belt sat.[6]The sticky, grooved sides normally point down at the drum where the previous belt sat.[6]The sticky, grooved sides normally point down at the drum where the previous belt sat.[6]The sticky, grooved sides normally point down at the drum where the previous belt sat.[6]The sticky, grooved sides normally point down at the drum where the previous belt sat.[6]The sticky, grooved sides normally point down at the drum where the previous belt sat.[6]The sticky, grooved sides normally point down at the drum where the previous belt sat.[6]The sticky, grooved sides normally point down at the drum where the previous belt sat.[6]The sticky, grooved sides normally point down at the drum where the previous belt sat.[6]The sticky at the drum where the previous belt sat.[6]The sticky at the drum where the previous belt sat.[6]The sticky at the drum where the previous belt sat.[6]The sticky at around the groove in the spinning part of the motor. The motor is the large metal assembly in the bottom corner of the motor and wrap the belt around the groove in the spinning pulley on the front end of the motor. The motor and wrap the belt around the groove in the spinning pulley on the front end of the motor. The motor and wrap the belt around the groove in the spinning pulley on the front end of the motor. in the front panel. Wrap the belt tight around the pulley on the side closest to the drum and around the inside of the idler pulley on the side furthest from the drum and around the pulley on the side furthest from the drum. Pull the belt is on the right track and everything fits.[8]If the idler pulley isnt attached to anything, look on the ground right in front of the motor. Advertisement Put the panels back the same way you took them off. Since the front panel holds the drum in place, start there. Slide the front panel into the frame and rest the drum in the slot for it (you may need to push it into place from the inside). Hook up any electrical harnesses you disconnected and reinstall any fasteners you removed it.[9]Slide the clips at the front of the top panel into the openings on the front panel if you removed them with a putty knife. Reinstall the screws inside of the lint filter last. This will lock your top panel in place. Give your front and top panels are secure, reconnect everything and test your work. Slide the dryer back closer to the duct, outlet, and gas line. Reconnect the duct, tighten the gas line using a wrench or channel locks, and plug the dryer back in. Run a cycle with an empty drum for a few seconds to confirm that the drum is spinning and enjoy your fixed dryer![10]If youre replacing the belt because it was making noise, that noise should disappear if youve fixed it. If the drum doesnt spin with a new belt, your motor is probably shot. Unless your dryer. Advertisement Add New Question Question I replaced the broken belt. I have the belt around the drum, on the right pulley. You actually have it set up in the opposite order for most dryer models; the belt should be on the left of the idler and the right of the motor, not the other way around. Also, check to make sure your belt has the textured side facing inward against the drum. If you make those two changes and you still can't get the dryer to stay on, your motor is likely the culprit and you'll need to buy a new dryer. Question Can you go to put the dryer belt on through the back of machine and get to the pulleys? wikiHow Staff Editor Staff Answer This answer was written by one of our trained team of researchers who validated it for accuracy and comprehensiveness. The answer is maybe. On some dryer models you can 100% do this, but it's pretty rare. Unfortunately, most machines make the back panel a lot harder to remove than the front and top. Question Do you have to use the same exact model belt or can you use an alternative? I'm finding it difficult to acquire the exact model. wikiHow Staff Editor Staff Answer This answer was written by one of our trained team of researchers who validated it for accuracy and comprehensiveness. You should use the exact same model and purchase it directly from the same company that made your dryer. However, there are plenty of afterthe PreFix mission of providing hassle-free one-stop-shop service for home care, in addition to their growth of service to over 50 zip codes throughout the greater Austin area. This article has been viewed 517,879 times. Co-authors: 26 Updated: September 9, 2024 Views:517,879 Categories: Featured Articles | Washing Machines and Dryers PrintSend fan mail to authors Thanks to all authors for creating a page that has been read 517,879 times. "Love it! Thank you for the video! Nice angles and shots so I can clearly see what to do. Easy fix and saved myself \$100."..." more Share your story While gas dryers and electric dryers use different systems to produce heat, both appliances rely on the rotation of the dryer drum to successfully dry your clothes. The continuous rotation of the dryer drum to successfully dry your clothes. The continuous rotation of the dryer drum to successfully dry your clothes. drum rotation is the dryer drum belt.
Keep reading to learn about dryer belt replacement. The dryer belt goes around the outside of the drum and is looped onto a drive pulley which applies tension to the belt. This tension is what causes the belt to grip the outside of the drum in order to rotate it. If the drum is overloaded, or if a drum roller, glide, bearing, or pulley fails, the belt may begin to slip. Over time, the drum will not rotate. On some dryer models, a broken belt will activate a belt switch that will prevent the motor from running. Not all dryer drum belts are the same; they will often vary depending on the brand and model. Popular brands include Maytag dryer belts, Kenmore dryer drum belt that fits your model. Replacing the drum belt will require you to disassemble the dryer cabinet. This process will be different for each model, but you can use these steps as a general guide. Unplug the appliances power cord to prevent shock. Unthread the screws to remove the dryers top panel or lift the panel up and support it (this may require detaching the dryer control panel first). Remove the dryers front panel or panels. You will often need to disconnect a door switch wire before you can fully remove the front panel. Some dryer models will have a bulkhead behind the front panel which supports the drum. Remove any braces and disconnect any sensor wire connectors, then uninstall the bulkhead. You can now reach under the drum and depress the idler pulley to release the tension of the old dryer belt over the front of the drum. Most dryer models require the grooved side of the belt to be facing inward to grip the drum. Loop the belt on the idler pulley and drive pulley in a zig-zag formation (Repair Clinic.com has some handy diagrams which illustrate how to do this for different dryer models). Rotate the drum by hand to help align the new belt. Reinstall the front bulkhead on the cabinet frame making sure the drum is properly positioned on the bulkhead. Reconnect any sensor wires and replace any braces or supports to secure the bulkhead. Reinstall the front panel as required. With the reassembly complete, plug the power cord back in. Now that you know how to replace a dryer belt, Repair Clinic can help you find the right dryer parts. To find the right dryer drum belt that fits your dryer, type the full model number of the dryer belts, Maytag dryer belts, and more, but youll want to make sure youre purchasing the belt that is the exact match for your model. Buy Dryer Belt Replacement Parts Ever found yourself staring at your dryer, wondering how to tackle that mysterious belt issue? Youre not alone. Picture this: laundry piled up, but your dryers drum isnt spinning, it could be due to a faulty belt. Dryer belts are responsible for rotating the drum, and when they wear out or snap, this function is disrupted. Heres a breakdown of how the dryer drum and motor pulley, connecting the two. When the motor runs, it rotates the drum through the belts motion. Tension Control: Some dryers have tension pulleys that help keep the belt taut. This tension is vital for proper rotation and prevents slippage. Smooth Operation: A well-functioning belt ensures smooth and efficient operation of the dryer, allowing your laundry to dry effectively. In essence, the dryer belt plays a fundamental role in the working mechanism of your appliance. Understanding its function is the first step to troubleshooting and potentially replacing it if needed. KitchenAid KSMC895CU 8-Quart Commercial Countertop Mixer with Bowl Guard, 10-Speed, Gear-Driven, Contour SilverCordless Vacuum Cleaner, 550W 45Kpa Vacuum Cleaners for Home, Stick Vacuum with Self-Standing, Max 60 Mins, Touch Screen, Vacuum Cleaner with Charging Station for Hard Floor Carpet Car PetInstant Pot Duo 7-in-1 Electric Pressure Cooker, Steamer, Saut, Yogurt Maker, Warmer & Sterilizer, Includes App With Over 800 Recipes, Stainless Steel, 6 QuartNinja Air Fryer, Roast, Bake, Air Fry, Roast, Bake, Bak Broil, Reheats, & Dehydrates, 4-in-1, Fries, Frozen Food, Veggies, and Juicy Meat, Less Oil, Easy Meals, Healthy Meals, Compact, 4 QT, Grey, AF101Affresh Washing Machine Cleaner, Cleans Front Load and Top Load Washers, Including HE, 6 TabletsIf youve noticed any of the following signs, it might be time to replace the dryer belt:Dryer Doesnt Start Turning: When you start the dryer, but the dryer operation are common signs of a faulty belt. Visible Damage: Check the belt for cracks, fraying, or stretching. Any visible damage is a clear indicator that a replacement is necessary. Burning Smell: If you detect a burning odor while the dryer is running, it could be due to the belt slipping on the drum to spin at a slower pace, leading to extended drying times. If youve experienced any of these signs, its advisable to consider replacing the dryer belt to ensure optimal performance. When replacing your dryer belt (ensure its compatible with your dryer belt (ensure a smooth process. Heres what youll need: New dryer belt (ensure its compatible with your dryer belt (ensure a smooth process.) similar tool for pryingWork gloves to protect your handsA container for storing screws and small partsA vacuum cleaner to clean any dust or debris that may have accumulatedIf you have these tools and materials, youll be well-equipped to tackle the dryer belt replacement efficiently. Replacing your dryer belt is a straightforward process that you can easily do at home. Heres a simple step-by-step guide to help you through the replacement:roborock Q5 Pro+ Robot Vacuum and Mop, Self-Emptying, 5500 Pa Max Suction, DuoRoller Brush, Hands-Free Cleaning for up to 7 Weeks, Precise Navigation, Perfect for Hard Floors, Carpets, and Pet HairVitamix Explorian Blender, Professional-Grade, 64 oz. Low-Profile Container, Black - 65542 (Renewed Premium) Keurig K-Elite Single Serve K-Cup Pod Coffee Maker, with Strength and Temperature Control, Iced Coffee Capability, 8 to 12oz Brew Size, Programmable, Brushed SlateShark Upright Vacuum, Navigator Lift-Away Deluxe with Large Dust Cup Capacity, HEPA Filter, Swivel Steering, Upholstery Tool & Crevice Tool, Blue, NV360Waterdrop DA29-00020B NSF 53&42 Certified Refrigerator Water Filter, Replacement for Samsung HAF-CIN/EXP, DA29-00020B-1, RF263BEAESR, RF28HMEDBSR, 3 Filters (Package May Vary)Unplug the Dryer: For safety, start by unplugging your dryer from the power source. Access the Belt: Remove the lint screen from the top of the dryer. Next, take out the screws or clips to open the dryers cabinet. Remove the Old Belt: Locate the new belt around the drum where the old belt was. Ensure the grooved side of the belt is facing inward. Reassemble the Dryer: Carefully close the cabinet of the dryer and secure the screws or clips. Put back the lint screen. Test the Dryer: Plug in your dryer belt with ease and get your dryer up and running smoothly once DryerPlug in dryer and run a test cycle to check the belt. After replacing the dryer belt, its essential to test your dryer to ensure everything is in working order. Heres how you can effectively test it: Plug in the dryer and turn it on to see if the dryer and turn it on to see if the dryer belt, its essential to test your dryer to ensure everything is in working order. Heres how you can effectively test it: Plug in the dryer and turn it on to see if the dryer and turn it on the dryer problem with the belt installation. Run a test cycle with a load of laundry to confirm that the dryer is heating properly and drying clothes effectively. Check for any odd smells that could suggest a belt or other component is malfunctioning. Monitor the entire drying process to verify that the belt is running smoothly and the dryer is operating as expected. Remember, proper testing is crucial to ensuring that your dryer functions correctly after replacement guide or seek professional assistance. You now have all the information you need to confidently replace your dryer belt. By following the step-by-step guide and ensuring you have the necessary tools, you can successfully complete the replacement process. Remember to prioritize safety by unplugging the dryer before starting and testing it thoroughly after the replacement. With the right tools and careful attention to detail, youll have your dryer up and running smoothly in no time. Happy repairing! See Also Is It Ok to Dry Clothes Without Dryer SheetsYou should consider replacing your dryer belt if you notice signs of wear such as visible damage, the dryer drum not turning, unusual noises during operation, or the belt feeling loose. The dryer drum not turning, unusual noises during operation, or the belt feeling loose. The dryer drum not turning, unusual noises during operation, or the belt feeling loose. The dryer drum not turning, unusual noises during operation, or the belt feeling loose. The dryer 24 hours, Pellet Ice Machine with WiFi & Smart Connected, Stainless SteelLEVOIT Air Purifier for Home Allergies Pets Hair in Bedroom, Covers Up to 1095 ft by 56W High Torque Motor, 3-in-1 Filter with Alexa and Google Home, WiFi Smart Outlet Socket Remote Control with Timer Function, Only Supports 2.4GHz Network, No Hub Required, ETL FCC Listed (4 Pack),
WhiteGlisten Dishwasher Cleaner, Removes Limescale, Rust, Buildup, and Grease, Lemon Scent, 12 Ounce Bottle, 3-PackHeavy Duty Furniture Lifter 4 Appliance Roller Sliders with 660 lbs Load Capacity Wheels + Adjustable Height Lifting Tool Lever Suitable for Safe and Easy Moving of Couches Sofas Refrigerators + MoreTo replace your dryer belt, you will need a new belt compatible with your model, a screwdriver, a putty knife for prying, work gloves, a container for small parts, and a vacuum cleaner for cleaning dust and debris. Yes, you can replace your dryer belt by following a step-by-step guide that involves unplugging the dryer, and testing its functionality. You can test your dryer by plugging it in, turning it on to check the drums rotation, listening for unusual noises, running a test cycle with laundry for heating and drying, checking for odd smells, and monitoring the entire drying process for proper operation. Hi, Im Charlie, and I cover all things laundry here at Appliance Mastery. Ive spent over eight years working on washing machines, dryers, and dishwashers. I also have a degree in mechanical engineering, which helps me understand how these appliances really work. I try to make every guide clear and practical. If youre stuck with a noisy dryer or a leaking washer, Ill help you figure out whats wrong and how to fix it. This DIYdryer repair guidehas step-by-step instructions for replacing a broken dryer belt. The dryer drive belt turns the dryer drum when the drive motor turns. If the drive belt breaks, the motor runs, but the drum won't move. You can easily check whether the drive belt is broken drive belt in a gas dryer, but the repair steps are the same for electric dryers. This repair procedure covers Kenmore, Whirlpool, Maytag, Amana, Roper, Crosley and Estate dryer belt, begin by disconnecting the dryer from its power source and removing it from its cabinet. Take off the top panel, control panel, front panel, support piece, and bulkhead to access the old belt. Release the old belt from the drum, ensuring the groove side is against the drum. Lift the drum and position it back inside the dryer cabinet on the drum rollers, flush against the rear bulkhead. Ensure the belt is in the center of the drum throughout. Connect the new belt to the idler and motor pulleys in the same position as the old belt. Test the belt by slowly turning the drum throughout. Connect the new belt to the idler and motor pulleys in the same position as the old belt. Test the belt by slowly turning the drum throughout. Connect the new belt to the idler and motor pulleys in the same position as the old belt. Test the belt by slowly turning the drum throughout. Connect the new belt to the idler and motor pulleys in the same position as the old belt. Test the belt by slowly turning the drum throughout. Connect the new belt to the idler and motor pulleys in the same position as the old belt. Test the belt by slowly turning the drum throughout. Connect the new belt to the idler and motor pulleys in the same position as the old belt. Test the belt by slowly turning the drum throughout. pieces, and screwing panels back into place. Lastly, reconnect the dryer to the power source and test its functionality. Key Points: Disconnect the dryer from power source and belt from idler pulley and motor shaft, and remove it from dryerInstall new belt around drum, ensuring groove side is against drumPosition drum back inside dryer cabinet on drum rollers, flush against rear bulkheadConnect new belt to idler and motor pulleys in same position as old beltDid You Know?1. The first electric dryer was invented in 1915 by J. Ross Moore, who saw the need for a more efficient way to dry clothes.2. It is estimated that the average household dryer belt should be replaced every 5 to 7 years, depending on the frequency of use and the type of clothing being dried.3. Dryer belts are commonly made of rubber, which provides the necessary flexibility and grip to rotate the drum. However, some manufacturers have started using Kevlan as a more durable alternative.4. To replace a dryer belt, youll need to disconnect the power source, remove the front panel, disconnect the drum, slip the old belt off, and install the new one by threading it around the motor pulley. Its essential to consult the dryers manual for specific instructions.5. Did you know that a loose or broken dryer belt not only affects the drums rotation but can also lead to overheating? This can result in damage to other components or even pose a fire hazard, so regular inspection and timely replacement are necessary. Introduction: The Importance Of A Working Drum Belt is a critical component of a dryer that plays a crucial role in ensuring its proper functioning. It allows the dryer drum to rotate smoothly, facilitating the distribution of heat necessary for effective drying. When the drum belt becomes frayed or breaks, it hinders the drum belt becomes imperative to restore the dryers efficiency. The drum belt is crucial for a dryers proper functioning. It allows the drum to rotate smoothly, facilitating effective drying. When the drum belt is necessary to restore the dryers efficiency. Preparation: Disconnecting And Removing The DryerBefore embarking on the process of replacing the dryer from its power source. This eliminates the risk of electrical shocks or accidents during the procedure. Once the power is disconnected, the dryer needs to be carefully removed from its cabinet. This may involve unscrewing any attachments and disconnecting any wire harnesses. Adequate caution must be exercised during this step to prevent any damage to the dryer or surrounding area. Accessing The Old Drum Belt: Removing Panels And BulkheadTo gain access to the old drum belt, several panels and the dryer or surrounding area. Accessing The Old Drum Belt: Removing Panels And BulkheadTo gain access to the old drum belt, several panels and the dryer or surrounding area. panel, depending on the dryer model. Control panel: Remove the control panel: Remove the control panel, typically located at the front panel to allow further access to the drym belt. Removing The Old Drum Belt: Releasing From Idler Pulley And Motor ShaftWith the panels and bulkhead removed, the old drum belt can be detached from the dryer. This involves releasing it from the drum belt. So, its important to carefully release the tension before removing the old belt By relieving the tension, the old drum belt can be easily slipped off from both the idler pulley and the motor shaft. Release tension from the idler pulley Release tension from the idler pulley Release tension from the idler pulley Release tension from the motor shaft. belt. Heres how to do it: Check the size and type of the new belt to make sure it matches your specific dryer model. Carefully place the new belt around the dryer cabinet so that it sits on the drum rollers. Make sure the drum is flush against the rear bulkhead.Throughout the process, keep the belt centered on the drum to avoid any issues.Remember to be cautious and follow the instructions carefully to ensure a successful installation.Lift and reposition the drum inside the dryer cabinetEnsure the belt remains centered on the drumReassembling And Testing The Dryer After Belt ReplacementWith the new drum belt properly attached, it is time to reassemble the dryer. This involves:Reattaching the front bulkheadReconnecting any wire harnessesAttaching support piecesScrewing the panels back into placeEach step should be executed diligently to ensure proper alignment and functionality of the dryer. Related Post: How Many Amps Does a Dryer Use and Why?Once the reassembly is complete, the dryer should be reconnected to the power source and thoroughly tested to guarantee it is working correctly. This can be done by manually turning the drum and checking if the blower also rotates, indicating that the new drum belt is functioning as intended. Check this out: Frequently Asked QuestionsCan I replace my own dryer belt? Yes, you can definitely replace your own dryer belt. Start by locating the idler pulley and the motor drive pulley. Once the old belt. Disconnect it from both the idler pulley and the motor drive pulley and the motor drive pulley. pulleys. This straightforward process allows you to easily replacing a dryer belt and restore the proper functioning of your appliance. Is it worth replacing a worn-out dryer belt is usually more cost-effective than buying a whole new dryer. The cost of replacing the belt will depend on labor charges if you choose to have a professional install it. However, considering the lower expense compared to a new machine, replacing the dryer belt is a practical choice. How much does it cost to replace a belt on a dryer? Replacing a belt on a dryer can vary in cost, generally ranging from \$100 to \$250. The actual cost depends on various factors such as the specific dryer model and the labor fees charged by the repair service. Despite the belt itself being relatively inexpensive, typically priced between \$5 to \$20, the cost includes professional installation and any additional parts that may be required for the repair. Are dryer belts universal?No, dryer belts are not universal. Various brands and models have different types of dryer drum belt, such as Maytag, Kenmore, Whirlpool, and GE. Therefore, it is important to purchase the specific replacement dryer drum belt that matches your dryers brand and model for proper functionality.References: 1, 2, 3, 4February 2, 2022The dryer belt (sometimes called a drive belt) is one of the main components in your dryer that helps it to rotate around during a cycle. If it becomes defective or snaps, your dryer belt, inspect it for damage, and if necessary, replace it. Lets get started. Start by making sure the power to the dryer is switched off. Next, locate the screws that hold the top panel in place and then unthread them. The top panel should then be able to clip off. Next,
remove the control panel in place and then unthread them. The top panel should then be able to clip off. Next, remove the control panel in place and then unthread them. You should then be able to take the control panel off. Open the dryer door and locate the lint filter. Just below the filter should be a couple of screws that you need to remove. Next, unthread the screws that hold the front panel to the door switch way). Disconnect the wire harness from the sensor. Unthread the screws that hold the bulkhead in place and then remove the bulkhead from the dryer. Inspect the belt for any signs of damage and if it is positioned in the middle of the drum. You also need to make sure it is connected properly to the idler pulley. If the belt can be realigned, you wont need to replace the belt. However, if it is damaged, the belt off the idler pulley. Pull the drum out from the dryer belt (see below). To install a new dryer belt, you first need to place the new dryer belt off the idler pulley. Pull the drum out from the dryer and then remove the belt off it. You should now be able to install the new dryer belt (see below). drum around without any obstruction and that the dryer belt goes through the pulleys correctly. If the dryer belt is correctly installed, you can now put your dryer, start by reattaching the bulkhead. You can do this by placing it back into position and then securing it into place with the screws you removed earlier. Reconnect the wire harness into the sensor and then reconnect the wire harnesses back into the sensor and then place the support piece back into position with the screws you removed earlier. Reconnect the wire harnesses into the control panel and then place the control panel back into position. You can now secure the control panel back into position with the screws you removed earlier. Next, attach the front panel back into position with the screws you removed earlier. Next, attach the front panel back into position with the screws you removed earlier. Next, attach the front panel back into position with the screws you removed earlier. Next, attach the front panel back into position with the screws you removed earlier. Next, attach the front panel back into position with the screws you removed earlier. Next, attach the front panel back into position with the screws you removed earlier. Next, attach the front panel back into position with the screws you removed earlier. Next, attach the front panel back into position with the screws you removed earlier. Next, attach the front panel back into position with the screws you removed earlier. Next, attach the front panel back into position with the screws you removed earlier. Next, attach the front panel back into position with the screws you removed earlier. Next, attach the front panel back into position with the screws you removed earlier. Next, attach the front panel back into position with the screws you removed earlier. Next, attach the front panel back into position with the screws you removed earlier. Next, attach the front panel back into position with the screws you removed earlier. secure it into position with the screws you removed earlier. Your dryer should now be reassembled. The final step is to connect your dryer belt if your dryer belt if your drum wont spin or the machine makes a ton of noise when you turn the dryer on.Disassembling your dryer is slightly different from model to model, but look for fasteners and screws around the two pulleys at the bottom of the machine in a zigzag pattern. If you have a gas dryer, close the valve and disconnect that, too. You don't want shock yourself, so pull the plug on your dryer. Disconnect the aluminum hose from the dryer runs on gas, close the valve on top of the pipe that feeds into the wall. Then, use a wrench or channel locks to loosen the nut connecting the gas line to open it.[1]You might smell some faint gas from the residue in your gas line. So long as the valve is off, youre okay. Stuff a rag in the pipe and the opening of the gas line to block the smell if its bothering you. Advertisement Youll need room to work, so pull the dryer away from the wall. Hold the dryer away from the wall. Hold the dryer away from the wall. a convenient time to clean any lint stuck in your duct! Remove the screws inside of the filter slot that lock the top panel in place. Use a screwdriver to remove the 2 screws on the inside of the lint filter. Place them elsewhere for now.[2]Skip this step if your lint filter isnt on top of the machine. Use a magnetic screwdriver if you can. If those screws fall down the filter, theres no real way to get them back. Youre going to remove a lot of screws here. To keep track of everything, it may help to label your screws by setting them in labeled sandwich bags. Advertisement This is a little different on every model, but look for screws and clips. There is no universal configuration for dryer assembly. Look around the front, back, and sides of the washer to see if any screws, unfasten the clips, and/or press the buttons to try and remove any of the panels. If you dont see any fasteners anywhere, you likely have to pop the top panel out first to reveal the fasteners. You may be able to search your dryer model online to find instructions on removing the panels. Slide a putty knife or metal file under the seam at the top. Move it left and right along the seam until you find the 2 clips holding the top panel in place. Pry the panel up with one hand while pressing on the clips with your knife or file until they unlock.[3]Once youve unlocked the top panel of the dryer, lift it up off of the dryer. You may need to pull the panel out a bit before you can slide it up. If the panel cant be completely removed, prop the panel up and tie it to a rafter or fixture using wire. Once that top panel is up, you should be able to see the belt, it probably broke and is sitting at the bottom. Advertisement Look on the interior rim of the dryer and disconnect any wire hookups. Press the tab on top of any wire harnesses you find and disconnect the wires. This way, you wont accidentally tear or damage any essential electrical cables when you remove the front panel.[4]Dont cut anything. Only remove harnesses. If the wiring looks uniquely complicated or it isnt color-coded, take photographs of the connections to ensure you can put it back together when youre done. Unscrew any fasteners and lift the front panel out. Look along the seams on the inside of the machine for screws, clips, or other fasteners. Remove them to unlock the front panel out. Once the panel is free, gently lower the drum and place the panel to the side. [5] You may need to slide the front panel up before you can pull it out. If theres something holding the machine and remove any fasteners down there. You may need to use a nut driver attachment to remove any hex nuts if they dont have the divots for a screwdriver on them. There may be a bulkhead supporting the drum at the bottom. If there is, remove it. Advertisement The model number you need is printed directly on the old belt. With the drum fully exposed, you should see the belt on a groove in the middle of the drum. If it isnt there, look underneath the drum for the broken belt. Scan each part of the belt for a serial number to find the exact belt you need. A replacement belt shouldnt cost more than \$5-15. If the belt isnt broken, take a photo of the assembly where it wraps around the motor. The belt wraps around two pulleysan idler pulley that connects to the bottom frame, and the motor pulley. The idler pull might be loose and free if your old belt broke. Once your belt arrives, hang it around the drum. There should be plenty of slack in the belt, so dont worry about the excess slack. Prop the drum up with a small box so that it sits the same way it was in the machine. Slide the belt over the small groove in the drum where the previous belt sat.[6]The sticky, grooved sides normally point down at the drum. Installation will be easiest here if the drum where the previous belt sat.[6]The sticky, grooved sides normally point down at the drum. Installation will be easiest here if the drum sits and inch or two below the Advertisement Wrap the new belt around the groove in the spinning part of the motor. The motor is the large metal assembly in the bottom corner of the machine. Locate the spinning pulley on the front end of the motor and wrap the belt around the groove in the center.[7]The belt should still be fairly loose. It wont be tight until you attach the idler pulley and raise the drum up to fit in the front panel. Wrap the belt around the pulley on the opposite side. The belt wraps around the motor on the side furthest from the drum and around the inside of the idler pulley track. Then, spin drum gently by hand to ensure that the belt is on the right track and everything fits. [8] If the idler pulley isnt attached to anything, look on the ground right in front of the motor. Insert the clips at the bottom of the idler pulley into the panels back the same way you took them off. Since the front panel holds the drum in place, start there. Slide the front panel into the frame and rest the drum in the slot for it (you may need to push it into place from the inside). Hook up any electrical harnesses you disconnected and reinstall any fasteners you removed it.[9]Slide the clips at the front of the top panel into the openings on the front panel if you removed them with a putty knife. Reinstall the screws inside of the lint filter last. This will lock your top panels a gentle shake with your hands. If you feel any wiggling, reinspect all of the seams to find loose connections. Once the panels are secure, reconnect everything and test your work. Slide the dryer back closer to the duct, outlet, and gas line. Reconnect the duct, tighten the gas line using a wrench or channel locks, and plug the dryer back in. Run a cycle with an empty drum for a few seconds to confirm that the
drum is spinning and enjoy your fixed dryer![10]If your replacing the belt because it was making noise, that noise should disappear if youve fixed it. If the drum doesnt spin with a new belt, your motor is probably shot. Unless your dryer is brand new and its still under warranty, youre going to need to buy a new dryer. Advertisement Add New Question I replaced the broken belt. I have the belt around the drum, on the right side of the idler arm, and the left side of the motor. However, the dryer still will not stay on when I turn the start button. What should I do? wikiHow Staff Editor Staff Answer This answer was written by one of our trained team of researchers who validated it for accuracy and comprehensiveness. Try switching the belt on the idler pulley and the motor pulley. You actually have it set up in the opposite order for most dryer models; the belt should be on the left of the idler and the right of the motor, not the other way around. Also, check to make sure your belt has the textured side facing inward against the drum. If you make those two changes and you still can't get the dryer to stay on, your motor is likely the culprit and you'll need to buy a new dryer. Question Can you go to put the dryer belt on through the back of machine and get to the pulleys? wikiHow Staff Editor Staff Answer are. On some dryer models you can 100% do this, but it's pretty rare. Unfortunately, most machines make the back panel a lot harder to remove than the front and top. Question Do you have to use the same exact model belt or can you use an alternative? I'm finding it difficult to acquire the exact model. wikiHow Staff Editor Staff Answer This answer was written by one of our trained team of researchers who validated it for accuracy and comprehensiveness. You should use the exact same model and purchase it directly from the same company that made your dryer. However, there are plenty of after-market belts out there that should be compatible with your drum if you can't get your hands on an original. Just read the descriptions on after-market belts to see if your specific dryer is mentioned. See more answers Ask a Question Advertisement Thanks Tha Flores and by wikiHow staff writer, Eric McClure. Homer Flores is an Appliance Repair Specialist and Training Manager at PreFix, a home maintenance company out of Austin, Texas. With over 15 years of experience, Homer specialist and Training Manager at PreFix mission of providing hasslefree one-stop-shop service for home care, in addition to their completion of the Capital Factory and Techstars Accelerators, has contributed to their growth of service to over 50 zip codes throughout the greater Austin area. This article has been viewed 517,879 times. Co-authors: 26 Updated: September 9, 2024 Views:517,879 Categories: Featured Articles | Washing Machines and Dryers PrintSend fan mail to authors Thanks to all authors for creating a page that has been read 517,879 times. "Love it! Thank you for the video! Nice angles and shots so I can clearly see what to do. Easy fix and saved myself \$100."..." more Share your story