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Kenmore dryer 70 series heating element replacement

Kenmore is a brand sold by Sears, and the 70 series includes several front-loading dryer models. Kenmore relies on three different heat coil types for electric dryers. The type of coil and its availability depends on the particular 70 series model you own. Kenmore has two of its three heat coil types mounted in the rear of the dryer. Open the back panel by removing all hex-head bolts that hold it in place. Look for a large can-shaped housing mounted vertically on the right side. The coil is mounted inside this container. The coil is either a long or a short variety, so check the part number before buying a replacement. A 27-inch coil mounts in the front part of the drying cabinet. Remove the bottom panel under the dryer door. A cannister under the drum holds the coil. A single screw typically mounts this coil to its cannisters. About the author Robert Korpella has written professionally since 2000. He is a certified Master Naturalist, regularly monitors current water quality and is the editor of freshare.net, a place exploring the Ozarks outdoors. Korpella's work has been included in a variety of publications. He has a bachelor's degree from the University of Arkansas. Showing image {CURRENT_SLIDE} of {TOTAL_SLIDES} - Best SellingGo to previous image - Best sellingGo to next image - Best SellingOne stop shop for all things from your favorite brand Shop By Appliance Type Shop By Part Type Door Catch Kit PartSelect Number PS334230 Manufacturer Part Number 279570 This part replaces your latch kit (Door lock Kit, door catch, dryer Door Lock Kit). On your device you will find both a strike and a catch. The strike is mounted on the body of the dryer, while the catch is mounted on the drying door. These two parts work together to keep your dryer door closed. The catch keeps the hatch strike to keep the door closed during the drying cycle. If the door is not latchclosed, you will not be able to start a drying cycle. If this part works poorly, you may not be able to open or close your door. In some cases it may seem like your door is closing, but if it is not blocking properly you will not be able to start your drying cycle. You should replace this part as soon as it malfunctions. Your dryer can be operated even though the latch is malfunctioning, but it is uncertain whether the dryer will continue to run while the door is open. This replacement part features 1 door latch kit that includes 2 strikes, 3 catches, and a set of instructions. This model is constructed of plastic and metal, and comes in white/silver. Fixes these symptoms Door will not close Lid or door will not close No heat or not enough heat See more ... Installation instructions Terri from Saint Augustine, FL Door Catch part had fallen out./ was missing Got your parts, Popped them both right in place, Although only one side needed to be replaced, I wanted to match up. It was amazing how easy this was. My husband was quite impressed I had ordered these rather than looking for either a new or used dryer from any other source. Read more... Multi Rib Belt - 92-1/4PartSelect Number PS346995 Manufacturer Part Number 341241 This dryer drum belt (Whirlpool Dryer Belt, Drive Belt) has four ridges, three tracks and is 1/4 wide, and 92 1/4 inches in length. It comes in black and is made of rubber. The belt transmits rotation of the motor to turn the drum. The belt attaches the drum, idler pulley, and motor pulley. Fixes These Symptoms Heat Stays On After Drum Has Stopped No Heat or Not Enough Heat Noisy See More... Installation Instructions Ray from Denton, TX Dryer bathtub belt broke off the two screws that attach the lent channel to the top of the dryer, then lifted the top of the dryer by pressing into the two locking tabs located on the front, left and right, corners of the dryer top with a small flat head screw driver. The top of the dryer will fold back out of the way. At this point I removed the two 1/4 inch screws located on the inside of the dryer front left and right corners that hold the front panel/door to the two side panels. Now I could lift the front panel up and set it aside. The bottom of the front panel containing the drying door that I just removed was held at the bottom of two clips that slide into the compartment slipping into the compartment of the front panel and do not require any removal to disconnect from the bottom of the front panel, just pull up on the front panel. Since the tub was held in place by floating on a seal on the back of the dryer and a seal on the front panel, i just removed the tub is now free floating except for the two alignment wheels roll at the bottom of the tub. It is easier if you put the dryer on the back at this point with the front of the tub pointing upwards. I pulled the tub out and cleaned the years of built up borrowed and removed all the pieces of the old, destroyed, belt. Note, the belt tentions are located at the front of the engine as on the lower right side. If your belt is broke like my tensioner can/will fall on the back of the dryer when you tilt it back, but don't worry. When the dryer was cleaned up I put the tub back in place, still on the back and made sure the two alignment rollers were in place and rolled freely when the tub was turned by hand. Another note, my original belt tensioner didn't have a rolling wheel as the belt rode on, but was a semicircle smooth surface as the belt remained in constant friction with when the dyer was running, so I made sure to replace the tensioner I ordered with my new belt had a rolling wheel that the belt would ride on, which I think will reduce wear and extend the belt life. The new belt came with a diagram of the belt tensioner routing that was helpful. Note: do not take it on wheel on/off when you try to pull the belt. Follow the routing diagram instructions. The tensioner is held in palce by inserting the lower back half into the slot of the bottom floor of the dryer to make sure it is aligned with the belt pully on the shaft of the dryer engine. The dryer is still on its backside. Now it was easier for me to pull the belt around the center of the tub, following the marks from the original belt, and hold in place in some stains with masking tape and then pull it through the tensioner and on to the front pully of the engine. Make sure you have the grooves of the belt against the tub and the grooves are aligned with the pully on the engine. Now you can remove the masking tape that held the belt around the tub and spin the tub by hand watching the belt make sure it's not in a bind and traveling around the engine pully, tensioner and tub free. Make sure the tub is still sealed on the rear side wall. When you turn the tub by hand, you can adjust the belt by hand so that the original marks around the tub remain of the original belt. Also double check the two alingment rollers and make sure they spin and on track. Now insert the front panel with the door on by sliding it on the two clips that are one bottom of each side and insert the two screws that hold the front panel to the two side panels. Now stand the dryer back up and spin the tub by hand again making sure it has a good seal on the back and on the front panel. Pull the top back down and put the two screws in which hold the borrowed channle to the top. I'm not sure when the belt started to fail on my dryer, but was surprised at how quiet things are going now. Guess I was useful for the extra sound of a dryer that was about to die. This was a cheap and easy repair and glad I did it myself. Read more... Tumble Dryer Thermal Fuse PartChoice Number PS11741460 Manufacturer Part number WP3392519 Dryer Thermal Fuse (Thermal Cutoff, Temperature Fuse) is a 2 by 1/2 inch, white, plastic safety mechanism that stops the flow of electricity to the motor circuit when a dryer overheats. If the fuse is missing or breaks, your dryer will not start. A thermal fuse fails when the exhaust temperature exceeds the fuse rating, that is when the temperature rises above the temperature that the fuse is designed to handle. This can occur when a heating element is short-circuited, a regulatory thermostat or thermist fails, or with a partially limited exhaust valve. The fuse attaches to the housing of the windwheel. It must be replaced when there is no longer continuity between the terminals. This is a one-time fuse, which means it cannot be set again. The replacement part has two 3/16 inch terminals. Fixes these symptoms Heat stays on after the drum has stopped No heat or not enough heat Turns off too early See more... ANTHONY från CHESHIRE, CT Dryer var var but no heat. First I disconnected the dryer, then removed the back panel, this exposed most of the wires and I could see the heater coils. Not knowing what the problem was I started looking at the coils and couldn't see any broken parts. So then checked thermal fuse for continuity I removed the two wires from it with a small pair of needle nose pliers, it was held in place by two screws, when they were removed the fuse came out easily, I checked continuity with a volt meter placing the meter on the X1 Ohm and couldn't get a reading. I replaced with a new one and put it all back together as I took it apart. Then I plugged it in and it worked the first time, I now have warm dry clothes. Read more... Rear Drum Support Roll Kit PartChoice number PS347627 Manufacturer Part number 349241T Drum support roller kit allows the dryer to tumble properly by supporting the drum cylinder. The kit contains two drum rolls, four tri-rings, and a palnut (or keep washer). The kit does not include a belt or idler pulley and rolls are not sold individually. The drum support roller kit may need to be replaced if the dryer is noisy or will not tumble. The tools needed to complete this repair are a naughty knife, Phillips screw-uffer, and a 5/16 nut driver. This is an OEM part that comes directly from the manufacturer. Fixes These Symptoms Brands Left On Clothes Noisy Won't Start See More... Installation instructions Mark from Fremont, NE Told Mrs. Me Dryer would make a funny sound, then stop + had a funny smell too. The electric motor that drove the unit was overheating and locking, it was time to replace. The best part of my repair was I had everything back on duty in 3 days. And one of those days was to consider just buying a new dryer. Had parts overriveted and all parts fit and easy to replace.1) Removed back - 6 screws2) Removed dryer valve - 2 screws on top, 3 on the bottom3) Popped up open4) Removed Front of drying cabinet - 2 screws5) Removed Belt6) Removed Drum7) Cleaned up all lint 8) Pop off motor retainers front and rearHere is the tricky part for me.9) Removed vent fan on the back of the motor. I didn't know the back of the fan was square, and you can put an open closed wrench on it to hold it while you also have a deputy grip on the front motor shaft. Then it's a simple left to loosey operation. I first tried turning the fan blade to remove it, but turned out to be that tight.10) Repeat backwards to remountWhile I had it apart I also replaced drum support rolls & installed a new belt. Not that diffcult of a repair Good Luck, was really better than buying a new one at +\$300.00 at Black Friday prices. Read more... Roll Support Tri-Ring PartyChoice Number PS11755850 Manufacturer Part Number WPW10512946 If you notice your dryer noisy or will not tumble, you may need to replace the tri ring. This part is triangular, and less than an inch in size. Tri rings can be found both on the idler pulley shaft, or on the rear drum roller shaft. In both cases, you need to remove the front panel of the dryer and drum to access the part for repair. Once you have accessed the damaged tri ring, you will simply have to slip it off and replace it with the new one. This part is sold individually. Be sure to disconnect the power source from the dryer before starting this repair. Fixing These Symptoms Noisy Won't Tumble See More... Installation instructions John from Tucson, AZ worn part the repair was quite easy. The most time part of the repair was to remove the twelve screws from the rear panel to expose the repair. Read more... Tumble dryer Lint Screen Filter PartChoice Number PS11757278 Manufacturer Part number WPW10717210 This manufacturer-certified tumble dryer filter is used to collect lint during the drying cycle, to prevent damage to the machine and to prevent lint from sticking to clothes. This model comes in white and is easy to install. It slides into the lint filter slot of your dryer. If there is visible damage to the screen, it is time to replace the part. Check your user manual and model number to see if this is the right part for you. Make sure that you empty the lint filter after each use of the dryer and check the filter compartment for an excess collection of lint, which can shorten the life of your filter and be a fire hazard. The screen is about 20 inches in length, not including the handle, and around 8.5 inches wide. Fixes these symptoms No heat or not enough heat Takes too long to dry See more... Installation instructions Daniel from Wichita, KS Door catch broken; lint filter handle had loosened off some screws and partially dismantled the door so I could get the old catch out. Insert the new catch, and put the screws back in. Saved me an \$80+ service call. On the filter I had to use pliers to remove the old one because the handle had been broken off. Did it, and put in the new one. Made. Sears couldn't have supplied me with a new filter. Read more... Tumble Dryer Cycling Thermostat PartChoice Number PS11741405 Manufacturer Part number WP3387134 This thermostat (Dryer Operating thermostat, dryer Cycling Thermostat, Cycling Thermostat, Dries Thermostat) is used to keep a temperature of 155 degrees in the dryer drum. The internal bias heater also means that this thermostat provides a low heat temperature of about 140 degrees when the low temperature setting is selected. The part measures 2 by 1.5 inches, comes in black/silver and is constructed of plastic and metal. The thermostat attaches to the housing of the windwheel. Fixes these symptoms No heat or not enough heat Turns off too early Takes too long to dry See more... Installation instructions Blank from Point, NC Dryer blew cold air. PartSelect is great for providing requested parts. Requested. none of the 2 parts I ordered were on my machine. My bad for not looking at the actual part instead of the description. A word to the wise! Read more... Equalization footerApartChoice number PS1609293 Manufacturer part number 49621 If your washer shakes or vibrates loudly when it reaches its maximum speed, check that the levelling legs are even. To ensure that the washer is firmly on the ground using all four legs, adjust the legs so that the machine is smooth, and tighten the locking nuts on the threaded legs. Keep the tray as close to the floor as possible. Your model may have hind legs as level themselves, or it may have threaded legs around. Make sure that the rubber feet have not worn out. Replace any missing or damaged legs and feet. This replacement part is sold individually. Fixes these symptoms Installation instructions Bryan from West Valley City, UT dryer had no heat, all other features worked After replacing the heating element as a guess, (which did not fix it), I measured the voltage with a DVOM, found lower cut off switches in the op, And thanx to some tips on parts select I ordered the Thermal cut off kit, fast shipping, installed very easily and all work correctly Read more ... Idler Pulley Mounting PartChoice Number PS11743765 Manufacturer Part number WP691366 This part provides the voltage required for a multi-ribbed belt. It also helps the belt rotate the drum and attach estothe the idler pulley wheel. If your tumble dryer does not start or tumble, takes too long to dry, or is noisy during operation, you may need to replace the idling ressejsunit. Be sure to disconnect power before installing this part, and wear work gloves to protect your hands. While the dryer is disassembled for this repair, consider replacing the drive belt as well. You'll need a still knife, a Phillips screwdriver, and a 5/16 nut driver for this repair. Fixes These Symptoms Noisy Takes Too Long To Dry Won't Start See More... Installation Instructions Ray from Denton, TX Dryer bathtub belt broke off the two screws that attach the lent channel to the top of the dryer, then lifted the top of the two locking tabs located on the front, left and right, corners of the dryer top with a small flat head screw driver. The top of the dryer will fold back out of the way. At this point I removed the two 1/4 inch screws located on the inside of the dryer front left and right corners that hold the front panel/door to the two side panels. Now I could lift the front panel up and set it aside. The bottom of the front panel containing the drying door that I just removed was held at the bottom of two clips that slide into the compartment slipping into the compartment of the front panel, just pull up on the front panel. 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Another note, my original belt tensioner didn't have a rolling wheel as the belt rode on, but was a semicircle smooth surface as the belt remained in constant friction with when the dyer was running, so I made sure to replace the tensioner I ordered with my new belt had a rolling wheel that the belt would ride on, which I think will reduce wear and extend the belt life. The new belt came with a diagram of the belt and tensioner routing that was helpful. Note: Do not remove/discharge the tensioner wheel when attempting to pull the belt. Follow the routing diagram instructions. The tensioner is held in palce by inserting the lower back half into the slot of the bottom floor of the dryer to make sure it is aligned with the belt pully on the shaft of the dryer engine. The dryer is still on its backside. 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Now insert the front panel with the door on by sliding it on the two clips that are one bottom of each side and insert the two screws that hold the front panel to the two side panels. Now stand the dryer back up and spin the tub by hand again making sure it has a good seal on the back and on the front panel. Pull the top back down and put the two screws in which hold the borrowed channel to the top. I'm not sure when it started to fail on my dryer, but was surprised at how quiet things are going now. Guess I was useful for the extra sound of a dryer that was about to die. This was a cheap and easy repair and glad I did it myself. Read more... M Series New Style Coil Kit PartSelect Number PS334310 Manufacturer Part Number 279834 When the lighter reaches a sufficiently high temperature, these coils (Coil Valve, Dryer Gas Valve Coil Kit, Dryer Valve Coil Kit, Gas Valve Solenoid Valve) work together to open the gas valve and allow the gas to enter the burner. This is a safety mechanism to ensure that there are no unsafe accumulations of gas inside your appliance. The coils are attached to the drying gas valve. If the dryer does not heat or heat intermittently, the coil may not open the gas valve. Both coils must be in operation for the valve to open. No continuity would indicate a defective coil, but they can be intermittent and fail when they get hot. Both coils should be replaced when one of them is broken. This part may break as a result of material fatigue from normal use. This part measures approximately 1 inch in diameter and 1 inch in height, and is constructed of plastic and metal. It comes in black/beige. This part has a 3-terminal boost/hold coil and a 2-terminal secondary coil Fixes these symptoms No heat or not enough heat Noisy Turns off too early See more ... Installation instructions Michael from Kirkwood, MO Gasdryer would not ignite 1. Removed lint screen and holder frame. Unplugged power cord and closed the gas valve in the lead before entering the dryer.2. Removed two bolts at the bottom of the machine and removed the lower front panel.3. Removed three bolts from the black plastic exit vent and took it out to give more room to access everything.4. remove two wires and screws on the boundary thermostat. Did the reverse to place the new.5. Remove threads (remember placement), then holder screw. rotated Gas wiper sensor counter clockwise to release the bottom flap so that the sensor can be removed from the flame tube. Did the reverse to place the new one on.6. Remove one screw on the gas/flame pipe that holds the bracket and lighter inside the flame pipe. Removing the wires back lighter (recall placement) Slid the entire assembly towards the back of the machine to get the pipe of the gas valve rotated then the entire assembly counter-clockwise to drop the tab on the left side of the bracket. This was a bit tight and had to work on it a bit to get the tab out and shoot the whole piece out of the flame tube.7. When the pipe and lighter were out I removed the scree that holds the lighter and replaced with the new one. Made sure that no dust etc. was in the paragraph.8. Did the reverse to place the tube/lighter back into the flame tube.9. Carefully and forcefully remove the wire contacts to the two coils. These were difficult get off. Removed the two screws screws hold the bracket that holds the two coils in place. Slid the coils of the spiders remember which one has two wire connections and which one has three wire connection and how they went on. Replaced the old with the new one. Placed the bracket on the new coils and made sure that the small bumps on the top are located in the holes in the bracket. Tightens screws to secure the flush bracket. Reattached the wire contacts to the coils and made sure they go all the way back on. 10. Vaccumed everything I could to get lint, dust, etc. out. 11.Replace the black venting plastic.12 Made sure that the output valve on the back was not pressed or clogged. Checked the small door where the valve goes out to make sure it opens and closes super easily that no airflow is limited.13. For testing I left the bottom panel open. Make sure you close the door, reconnect the plug and turn the gas valve back on. Press the go button on autdry or late dry. The door must be closed to create the closed circulation of the system so the fan sucks the flame into the pipe otherwise the fire will not push deep into the pipe and will trigger a fo overheated sensors. After hitting the go button your drum will start to rotate, then a few seconds later you will hear a click and your igniter will start burning bright orange. Another click and the gas should flow and ignite. 14. This indicates that you have fixed the ignition problem. I just replaced everything I thought it could be wrong instead of hunting and trial and error. All the parts were about \$137 so I thought it was worth making sure. 15. IMPORTANT: If during your test the flame turns off after a little while then turns on again just to turn off again, don't panic. This happened to me, too. I found that you have to run dryers with wet clothes in dryers. Wet in the clothes will keep the autdry sensor from turning off the dryer because there will be moisture in the exhaust. If it is on time food dry the wet clothes will cool the exhaust air and keep overheated sensors from turning the heat off. So no heating of dry clothes to get out wrinkles. Just wipe the wet clothes. This is all I did and it has worked well so far. Good luck! Read more... More...