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Tom has 17 years of experience as a commercial locksmith and more than 20 years in the distribution of door equipment. Door closer adjustment is an art that requires knowledge, patience and the ability to climb up and down stairs several times, but with these attributes and the appropriate key, key hex, or screwdriver, you can do it yourself. This article is primarily about surface doors closer, but the ideas here can be applied to other types of doors closer as well. Most adjustments are made by opening and closing hydraulic valves. When it comes to turning the screws that work these valves, a little goes a long way. A five-degree turn can significantly increase or decrease the closing rate. Do not completely unscrew the hydraulic screws you will spoil closer and cancel the warranty. In addition, the hydraulic fluid will seep out closer and make a mess. As the door closer the WorkA door is closer is a mechanical device designed to close the door slowly but firmly enough to latch. This is achieved by spring voltage, modulated by hydraulic fluid. When the user opens the door, the hydraulic fluid moves from one tank to another. When the spring again pushes the door closed, the hydraulic fluid returns to the previous tank through a series of valves that control the speed. The image above shows the effects of the common hydraulic adjustment controls available on most commercial classroom doors closer. Controls for the speed of the swing and the fixation of the speed control as the door closes quickly. Many closers also have hydraulic control for the rear check, which controls the last few inches of the door opening in order to prevent the door from crashing into the adjacent wall. Adjusting the speed of the swing controls how quickly the door closes from completely open to about five degrees closed. Fixing speed adjustment controls how fast the door closes for those last a few inches. The reverse check adjustment controls the amount of resistance to opening the door past the chosen point. The image below shows various hydraulic control valves. They can be located in many configurations, but you tend to see the rear control check located somewhat away from the lat speed and controlling the speed of the swing. There are also doors closer equipped with an additional valve to delay the action. Delayed action is approaching to keep the door open for a longer period of time to allow disabled people more time to get through the door. Valve Placement ControlThe spring voltage adjustment in the illustration above. Spring voltage controls the size closer. This term is misleading because it actually has nothing to do with the physical dimensions closer. This type of size the width of the door. Sized closer, that is, closer, which have a pre-defined spring voltage plant for a specific door width- have no spring voltage adjustment. Many doors closer today are non-size, indicating that you can adjust the spring voltage to match the match Door size. It is tempting to use spring voltage adjustment to solve problems, for example, in situations of positive pressure, where the flow of air prevents the normal closing of the door. However, the tighter you make the spring, the harder it will be to open the door. It is possible to tighten the spring tension so that some people could not open the door. Create adjustments To adjust the door closer: Bring the step ladder high enough so that you can easily get to the door closer from the second or third-highest step. Climb the stairs and see closer. If you don't see the adjustment screws, chances are the closer has a lid. Usually the lid is plastic, but it can also be metallic. If you don't see the fastener holding the lid, it means that the lid is energized. Get out. If you see the fastenings, usually you can loosen but not remove, the fastenings and the lid will slide off. If you find that there is oil in the lid or oil or leaks from a closer body, stop right now. You need a new door closer. If, however, it is not leaked, you can continue. Now that you have the lid, you should be able to see the adjustment screws. If you're lucky, they'll be marked on a closer body to what they are, or there will be a chart inside the cover. If not, you may have to experiment a little to see what is what. Remember that when it comes to turning the door closer to adjusting the screws, a little goes a long way. Start with no more than 1/8 turn. Turn the screw adjusting clockwise to slow the door closer down, counterclockwise to speed it up, then go down the stairs and observe the effect. Open the door and see how close it is. If it closes right for the first time, check it 10 more times. If it closes properly every time you do. If not, go back up the stairs and make another adjustment until closer does what you want to do. When it closes the way you want 10 times in a row, it will probably continue to do so. Ideally, the action door does not linger closer and latch the door in seven to eight seconds. Problems and problems shootingIf you expect the door closer to consistently close the door, the door should be able to close properly. If there is a hinge problem, a deformed door, or a door must swing uphill to close; the door closer will only go so far as to solve the problem. Sometimes the door needs to be repaired before it is closed and locked automatically with the door closer. The lobby has an external door, a small space, and then an internal door. Captured air between the inside and outside of the door can be a factor in closing doors. You may have to set both closer to get both to work properly. Wherever air pressure is a factor, including or positive pressure situations, I was able to get the door closer to close and latch the door consistently by adjusting them at slow swing speeds and a few quick speed latches. Slow speed swing seems to give air air to get out of the way, and the quick latch speed gives him a very slight clap at the end to make sure he snaps. If closer stops closing the door before it closes all the way, or actually springs back when you're trying to manually close the door, the hand is probably mounted on the shaft incorrectly. Download the instructions from the door closer to the manufacturer's website and see if it is installed correctly. If the hand makes noises and bounces up and down while the door is in motion, tighten the fastenings that hold the hand closer to the head, and the fist that holds the two parts of the hand together. When it's time to replace the door closer: If oil flows out of your door closer, throw it away and buy a new one. If your door is closer slams the door and cannot be adjusted to do otherwise, either the liquid is seeped out, or the seal valve is worn out. Either way, your best option is to replace it. If the door closer has no spring voltage and the spring voltage adjustment turns around and round without effect, the spring is broken by the door closer to be replaced. This article is accurate and true to the best of the author's knowledge. Content has only information or entertainment purposes and does not replace personal advice or professional advice on business, financial, legal or technical issues. The questions and answers: What if you install the door closer to the device and the door is really hard to open? Answer: All the doors closer have the force against the opening. If the force needed to open the door is excessive and the spring pressure of the door is more closely regulated, the level of force exerted by the spring can be reduced. Some closer doorways have pre-installed spring tension. They are large depending on the strength of their spring. For example, on the outside door the width of three feet is usually used to size four doors closer. If you use the same closer on a door that is thirty inches wide, one would find that opening the door has become difficult. Another reason why a door closer can make the door difficult to open, is that it is installed incorrectly. For example, if the hand has been attached to the spindle in the wrong position, or if the closer has been set in the wrong place, it can make the door difficult to open. A: My tenant complains that the door is too heavy to open. What adjustment is needed? Answer: The two most likely possibilities are: 1) excessive spring voltage or 2) incorrect installation. The door closer to spring voltage is either adjustable or fixed. To find out which you have closer, you need to identify the make and model, and then download the installation instructions from the manufacturer's website. If the closer the adjustable spring voltage is, it will say it in the installation instructions and also tell you how to set it up. If your closer has no adjustment of spring voltage. The installation can show how to find closer in different ways on the door to reduce tension. In addition, using the use of Set instructions and roulette you can tell if your closer is set incorrectly. If it is set incorrectly, it can also affect spring tension. The question is: How much pressure/pull is acceptable for the door used by the public? A: The acceptable force of opening internal doors, under the American Disability Act, is 5 pounds of pressure. External doors are not regulated in the latest version of the ADA, but local authorities have requirements ranging from 5 to 15 pounds of force required to open the door. With external doors, the discovery of security forces and security problems can be at odds. Since the force of opening and closing forces is the same thing, a door closer to adaptation in accordance with the standards of the force of discovery may not have the final force required to consistently close and latch the door. The question: My door Dorma RTS85 nearer slams. I tried tightening both screws according to the manual, but it was still slamming. Will you have any tips on this before you send it to the bin and order a new one? There are no leaks anywhere, but it's been slamming since long before I started and it's on the old warehouse door. Answer: Sometimes, even if the door is closer has not lost fluid, its valves adjust the speed of the malfunction. This has always been my choice, if closer can not be adjusted to replace it with one that can be adjusted. The question is: how much hydraulic fluid is in Corbyn's series 120 door closer? Answer: I have no authority in this matter, never put the hydraulic fluid closer. Since it has been out of production for several years, I think it would be hard to know how much liquid it takes. I'll adjust a lot of doors closer, but I haven't rebuilt any. RBAdoor.com says that the DC6210 has replaced the 120, so maybe you can use the specifications for the DC6210 as a guide if you restore the 120. Why is trying to use my door opener too hard to work? Answer: Two reasons come to mind: 1) the strength of the spring is too strong, 2) the closer is started to slam in the last four to six months, and there's a trail of this sticky mess dripping through the glass door and collecting like black tar on the doorstep under the door closer. Can I assume that the sticky black mess that is almost impossible to remove is actually either oil or hydraulic fluid? Answer: Yes. I think your diagnosis is absolutely correct! The question: My door is closer to saying: 1, 2, BC What does 1 and 2 mean? Answer: I think you have view numbers that appear next to the speed adjustment screws. The numbers are there because they are mentioned in the installation instructions. Identify Identify Manufacturer, find installation instructions and your mystery will be solved. The question is: Can I re-fill the hydraulic fluid if it leaked out of my door closer? A: It is possible, but it requires materials and experience. The hydraulic fluid leaked for a reason: either the closest body cracks (in which case it will just leak again), or most likely one of the hydraulic seals (o-rings) gave. So to fix the leak closer, you need to completely disassemble closer, replace the offending part, and then replace the liquid. It is also important to put in the right amount of liquid, no more, no less, so be sure to consult with the manufacturer. Some companies do this work. Often companies that have the door closer or checking the doors in their name restore the doors closer. The question is: How do you set the door closer so it keeps the door open? Answer: In order for your door to be closer to open, it must have a hold mechanism. In the double lever of the hand (common) door closer this function is in the hand. In the track is closer (less common) it is in the track. Most closer door manufacturers offer weapons separately, so if you want to change your door closer to one that doesn't have to keep open to one that does, you can replace the standard hand with a holding open hand, and that will do so. If you already have a door closer with a retention function, it can be adjustable. Often with a hold-open door closer there is a big nut on the shoe. The nut is tightened by swinging the open door and weakened when it closes. You can adjust the nut so that the closer is open to a certain extent, the nut is tightened enough by opening the door to keep the door open to such an extent opening. The question: My yale pot type closer has too much strength on the swing, but slows down for the latch. Probable cause/how to act? Answer: It looks like your closer has a faster swing speed and a more normal fixation speed. It also sounds like you probably know how to adjust the swing speed, but it won't adjust. If these two statements are true, it is possible that the valve seal of the swing speed fails or the valve itself is worn out. This usually occurs in closers that have been in operation for several years, or in closer, which are defective. Another possibility is that the closer lost part of its hydraulic fluid, but since the liquid usually drips down the face of the door when it runs away, this cause is easier to detect. If seals or valves fail, or if the door is closer leaking, it is probably time to replace or restore the door closer. The question: The door of my house has a hidden door closer. He makes a loud noise when it closes. How can I fix it? Answer: Many hydraulic hidden door closers have the same types of adjustments found on the surface of installed hydraulic doors closer. Often there will be in the lid of the plate that allow access to the adjustable screws. Sometimes you need to remove the lid of the plate to find adjustment screws. Hidden hydraulic doors closer closer the same malfunctions as the surface hydraulic doors are closer. They leak, or seals wear out, and then they can no longer be adjusted and usually slam the door hard. And as the surface gets closer, they can be restored or replaced. Since hidden closer ones are often expensive, some people choose to replace closer with a hinge turning and set the door surface closer. The question is: I have a door closer to the LCN 1460-71, which keeps open about 180 degrees. How can I prevent the retention function from opening? Answer: If your LCN 1461 has an open hold that opens automatically, it's probably 1461-HW/PA (keep open with a parallel arm bracket) that has 1460-3049 to keep an open hand. This hand has a great nut adjustment on the shoe. It is not a small nut to the middle of the forearm that attaches the forearm. Turn the keep of the open nut adjustment a little counterclockwise and your problem has to disappear. If you have a 1461T track closer hold open is the clip in the track that captures the video on your hand. The clip can be removed and the closer will no longer keep open. If your door closer does not have to hold an open hand it may be that the hand is mandatory when the door is fully open due to an installation error or other minor malfunction. Download the INSTRUCTION to install the LCN 1460 to see if the closer is installed in the right place on the door to properly provide a 180 degree opening. Check the top of the door for traces of the rub. The hand should not have contact with the top of the door. What are the characteristics for adjusting door closings to meet ADA requirements? A: I have found that local authorities are often different in their enforcement of the American Disability Act. This is from ADATA.org: The inner doors should require no more than 5 pounds of force to open. This does not apply to the initial force needed to overcome the weight of a stationary door. Open the door gradually, not its open. The force of the open exterior doors is not specified in the ADA standards, but the external doors that should be available should have the least possible force. The typical maximum opening force for outdoor doors ranges from 8.5 to 10 pounds. Any door so heavy that it prevents people with disabilities from entering can deny them access to goods and services that are covered by the ADA. In addition, state or local government codes may have specific requirements for the availability of outdoor doors. Closing speed or swing should not be faster than five seconds. The closing or swing distance is from an open position at 90 degrees to 12 degrees from the latch. The fixation speed is not specified, but should be fast enough to snap the door, but not slam it. The question is: How can we make our LCN door closer open further? Answer: The degree of discovery is regulated - in Degree. If your closer is mounted on the door to push or pull the hand, you can download installation instructions from Allegion. They'll show you how to set up Opening. This can mean a change of location closer to the body and hands of the shoe. If your closer is set to head over the door, then you may have to purchase a longer hand. When installing the top jam, the degree of opening the hole most depends on the depth of the opening - that is, the distance between the inner surface of the door frame and the surface of the door. A: We have replaced the door closer to the front door of the office, but the door continues to open when it is windy outside. What can we do to solve the problem with the door? A: Wind can be a difficult problem to solve. If your closer door has a spring adjustment, you can make it stronger. You will need the manufacturer's instruction to see if and how this can be done. Otherwise you can replace the closer you have just replaced the one that can be adjusted. Or you can replace it with a door closer that is not adjustable, but has the most powerful spring that is available, such as the LCN 4016 or 4116. 6 at the end of the room indicates the size of 6 springs - the most powerful. However, even the size 6 closer may not be strong enough, and on the other side of the coin is that the more powerful the spring, the harder it becomes to open the door. Depending on the degree of opening at which the wind takes your door, you may be able to solve or at least mitigate the problem by using overhead stops. This will stop the door from opening too far. Keep in mind, however, that under the American Disability Act your door must provide 32 inches of clear opening. A normal 36-inch wide door only fits when it is open at a 90-degree angle. If the wind is blowing your door open from a completely closed position, then you need to latch on to your door to keep it closed. The question is: Why is my door the closest to speed? It goes slowly, stops and then goes fast. Answer: It seems to me that your door is closer to a standard two-valve speed adjustment system. One valve controls the speed of the first part of the swing, and the other valve controls the last part of the swing. They can be installed any number of ways - fast, slow, or slow, then fast, or how slow, or how fast, and many settings between these variations. The only mysterious part is, why does she stop? If it were very fast, then slowly that would indicate to me that probably lost some hydraulic fluid; but since it happens

slowly, it's fast, I think one or both valves can be faulty. If you can identify the make and model your door closer, you can probably download the installation instructions for it. These instructions will include how to adjust the valves. Adjusting speed valves is often a trial and error process. It is important to remember to turn either valve down a little bit and then check it out. Repeat until you reach Results. Never turn the valve so far as it to come out of a closer body. The question: Our church has several doors closer different does. Some do not have any tags or identification marks that which Can find. How can I determine whether and model our door closer in order to look for instructions to set them up? Answer: I think you will need to enlist the help of a professional, but the final revealing feature is usually the mounting screws. Take a photo of each door closer with a lid, lid, and then using a roulette or ruler showing the dimensions from center to center, vertical and horizontal, between the mounting screws. Using this information, the door equipment specialist can get an idea of the manufacturer by appearance, and then check a specific model on the pattern of the screw. The question: The Hold Open function on my door closer failed after some lubricant was applied. How can I restore this aspect? Answer: It looks like you have friction to keep an open hand, and someone lubed the friction to keep your fist open. Because this kind of open work is because of friction, and the purpose of lubrication is to eliminate friction - well, you can see the problem. Hopefully you will be able to download the breakdown of parts of your door closer with enough detail to see if the steering wheel is open at your closer can be dismantled. If you can disassemble it, try removing the lubricant from all the pieces using a small amount of solvent (such as a squippy) and a rag. If you can't get inside the joint to do this, try to clean it as much as you can outside and then use a heat gun on a low setting to dry it. It might work. The question is: I'm trying to make the door closer to my project. All work is done besides figuring out a specific speed setup: after multiple cycles, my door closer begins to lose the speed of his movement without me making any changes to the valve installation. What is a possible solution? Answer: There are several factors. First, there is hydraulic fluid. As the door approaches, the liquid shrinks and its temperature and/or viscosity may change. Second, the o-rings in the valves can change position, compress or expand if they are too elastic or made of two small sensors. In addition, valves cannot provide adequate space for the O-ring, allowing it to bend out of position, and significant changes in air temperature in the closer door environment can affect the behavior closer. Air in a cylinder with hydraulic fluid can make the door closer to behave unpredictably, too.© 2008 Tom rubenoffCommentsTom rubenoff (author) from the U.S. June 21, 2020:First, identify your door closer. Then, find instructions to install online if possible. The installation instructions will tell you whether the spring voltage is closer to adjustable. If so, adjust it according to the instructions. If your door is closer is not adjustable it may be the wrong choice for your door. Measure the width of the door and then shop for a new door closer that is either adjustable for voltage or size appropriately for your door. Htender on June 20, 2020: My door is too hard to open a look I DODDINESH on April 10, 2020: THANK YOU... SOLVED THE PROBLEM USING YOU IDEA ... WAS GETTINGING THE DOOR CLOSED VERY QUICKLY. I SOLVED THIS PROBLEM WITH YOUR GUIDE. Jess Door Closer Doctor February 14, 2020: Hello, Jose, I've heard about this happening. It's a few different things that can lead to getting closer stuck halfway, if there's nothing stuck in the doorway, usually clogged the aisle, bad bearing or old liquid in it nearer, that lost its lubricating properties and causing friction between the body and the piston inside closer You can try to adjust it allite faster (if it's clogged), but will help in the short term, it is highly recommended to have it close (if it's a cheapest one). I'll restore the door closer. Jess Jos February 13, 2020: My door doesn't close stop in the middle of the need for help quentin October 15, 2019: Can I change the direction of the swing/closing on the door of Ryobi Doorman closer? Ida Marnoch on August 16, 2019: Hello, I need advice, please, I'm sleep deprived because of the work of 12 hours of night shift - neighbors slamming the doors so hard that it feels like an earthquake and wakes me up, I can not go back to sleep ... it happens many times every day and it starts to make me sick. One neighbor said he had a spring on the door that makes it difficult to close. Will the pneumatic or hydraulic door get closer to stop slamming from being so hard? Which one is better? I also saw the damper from Juxtor, would it be better? And which merchant should I look for to fit the door closer? I also do not know how I can convince the landlord or neighbor to allow me to fit it ... Tom Kennedy of Chelsea, Michigan, June 05, 2019: I recently purchased, mounted, and adjusted the living door of Tell DC100080 closer (for a 90-degree swing). This model has the friction retention function I wanted. Problem: the friction release point is about 50 degrees in the swing. I would like the friction retention point to be closer to the 80-deg point. i.e. 10-deg less than completely open. Can you tell me if this is possible with this device, even if a disassembly may be required? There is no external adjustment to this function. The clone support of the manufacturer did not help. Tom Rubenoff (author) from the U.S. April 08, 2019: Well, unfortunately, the short answer is no. Years ago there was talk of a self-regulating door getting closer, but it was just a conversation. The problem really is the main spring and hydraulics. One adjusts the door closer for certain conditions but then the conditions change. It's pretty normal to set up closer seasonally, but daily should be a really casual job. A fully electromechanical power operator would be less susceptible to these pressure fluctuations, but not insured, and this would be expensive as well. One day some smart man will prepare the door of the robot closer. By Tyler Lasec on April 08 I have an inner door that when it's cold from the side the air flow in our building building cause the door to slam shut. When it is warm or hot outside the air pressure is so much that it causes the door to stay open. During the spring and autumn months I change the speed of the swing and the speed of fixation almost daily. Is there a door closer that will help me not have to change the speed of the swing or fixing the speed so much? Any advice would be helpful. Tom rubenoff (author) from the U.S. April 02, 2019: Usually when I've seen it in the past, it's because the door shoes are closer to the wooden body on the wooden door frame. But since I don't know what your door is made of, I'm not sure. It is possible that your door is closer equipped with a rear check function that causes reverse pressure, designed to deter users from slamming the door into the wall. If the rear check is adjusted very highly it can lead to what you have described. To find out if your door is closer to having a rear check valve, consult with installation instructions. These instructions can usually be downloaded from the manufacturer's website. Grant Hickey March 31, 2019: One of the screws is being ripped out of the door frame when I open the door. Is there an adjustment I can make to closing the door to stop it or what can I do to fix it? Tom Rubenoff (author) from the United States January 16, 2019: Wind can be a difficult problem. You may be able to adjust the spring voltage so that it is stronger than the wind (at least part of the time), but then the door can be difficult to open. Sometimes you can use an overhead stop or other device to stop the door from opening to the point that it catches the wind, but then your door can't open all the way. You will have to experiment and try to find what works. Sure, reversing swing doors will probably solve this problem, but it's usually difficult, impractical, against the fire safety code, or impossible. Tributes on January 16, 2019: The wind keeps the door open most of the time. What should I do? Tom rubenoff (author) from the United States October 01, 2018: Although the hydraulic fluid closer to the door has been improved over the years, it may still be affected by temperature changes. At lower temperatures the liquid will tend to thicken a bit, making it closer slow down.david September 29, 2018: Closer affected by emperature the difference between garage and house? John is at work! August 21, 2018: Tom. Thanks for your efforts anyway. Very much appreciated! It's nice to know there are like-minded people in the world who take the door closing seriously! Tom rubenoff (author) from the U.S. August 21, 2018: Unfortunately, I was not able to find any instructions on installing on the Internet for this closer. At Hafele I found a written description of possible adjustments for this closer. According to what I've read, this closer has no valve adjustment. The screw you mention seems to adjust the force of closing, not the speed, but can have an effect. The main way to adjust the force of the closure, they say, is to closer to the door that is to unscrew it and move it aside or away from the hinge. It's an ugly idea. The way to adjust the speed of fixation, they say, is to change the position of the hand, that is, to remove the hand from the spindle and overwork it at a different angle. This can have an effect, so I would suggest you try this. If this fails, I would recommend replacing it closer rather than moving it and creating additional mounting holes. John is at work! August 21, 2018: I have a GEE TS2000 and the door closes every time with an almighty slam! Too loud. Can I set it up somehow so that it closes allite slower? Remove the little rod on black gummy cap and just turn the screw?! Tom Rubenoff (author) from the United States July 21, 2018: Spring really is what creates pressure on the door. It's also something that closes the door. With the door closer one tries to adjust the spring so that it closes the door without exerting so much force that opening the door is difficult. A common mistake is to depend solely on the spring to make the door closed and latch. The goal of adjusting closer is to achieve a balance between spring voltage and closing speed, allowing you to close the door securely without exerting so much force that it makes the door difficult to open. Solving your door closer problem can be to reduce spring tension and slightly increase the latch speed. You link to the slot makes me think that you have a surface set track arm closer. This kind of closer is usually used when there is a cosmic problem or when less closing force is desirable. John Holehouse July 20, 2018: Tom, I wonder if you know how to make the pressure on opening the door less, and I also have a kick when the hands on the top of the door reach the end of the slot. How much do you have to turn in late spring and I flipped it, which made the door heavy? Thanks for the article. JohnTom rubenoff (author) from the United States April 28, 2018: Many installers use spring stop weapons because the wind destroys their standard parallel weapons. Some companies make parallel hands closer at a size 6 spring strength, but since they are the size of the spring voltage is not regulated and half the time either the end user replaces it or the inspector throws it off the job for non-compliance with the ADA. Many closer fields are adjustable to a size 5, so in many cases this is the best we can do. Nick on April 27, 2018: Not a fan of the push hand parallel to mount the bodybon door and hand on the W plate header, but unfortunately had to do it twice this week, but I feel it takes a lot of effort closer on the outside doors, but the state of the site job has allowed anything else to advice? Tom Rubenoff (author) from the U.S. April 24, 2018: Wow, great to hear! The door closer may be both the most pleasant and most frustrating pieces in hardware game. Glad the article was useful! Kerric on April 24, 2018: Thank you Tom! I fixed the office door that slams the slams for months after your instructions. I jumped every time someone came in or out the door. Today is a much better day without slamming the door! Tom Rubenoff (author) from the U.S. February 10, 2018: Thank you, George. I don't actually make this particular illustration and I have to say it's hard to know which part is the closest body I look to, or who is the manufacturer. However, I think it helps to reinforce the point that there are two closing speed adjustments to consider, each controlled by a separate valve adjustment screw. The best way to find out which screw, which is by consulting with the manufacturer's instructions on installation. The second best way is to experiment carefully with the screws, turning one only part of the turn and observing the effect. George on February 10, 2018: I think there is an error in the sketch above showing the screw No. 2 speed adjustment (see bottom left corner sketch): 2 should not be read as 1 First speed adjustment screw, but must say: second speed adjustment screwTom rubenoff (author) from the United States on February 7, 2018: I'm not that familiar with Cal Royal, but sometimes the door comes close to squeak when installed contrary to instructions. Sometimes if there is a fancy casting around the door of the case the door closer to the shoe ends at an angle and the hands grade against the shoe. Or maybe the shoes are slightly crooked and they smeared the hand is a must. I would test the setup against the instructions. Maybe a silly question on my part, but someone has separated closer to see if it actually loops squeakingRichard February 07, 2018: We have about 100 feces of the royal door closer in our church. No problem adjusting them, just that they all creek when they open or close. They knocked the whole hand, there is no place to grease. Please help Jason December 30, 2017: Hey, this seems to be a really useful thread. I set the closer and spring tension back, which means that the spring keeps the door open, not closed. The spring tube is installed to the door, and I don't think it's any different. Any ideas on how to solve this problem? Thanks, JasonRichard on October 29, 2017:W Morgan - I also had a lot of problems with the search or BRITON 1004 (which seems to be pretty much the same) and found 1003 instructions here - ... I hope this will help! W Morgan September 26, 2017: Whether there are any correct screws on the door of the Briton 1003 closer I do not see. Thank youAlan Wiles on August 28, 2017: I have a cheap door Briton 121 closer which works well but makes a loud grunting noise from I assume spring inside the main block at the opening and closing. Is there anything I can do to fix this? The hand etc is all set correctly and the door is silent when I disconnect closer. LWJL of June 06, 2017: You say it should take 7.9 for the door to close. Is there any standard of June 05, 2017: Is there a way to set up the hand (which closes the door) so it doesn't rub the top of the door? Jess Door Closer Doctor May 09, 2017: Simeon, To repair the door the door closer you will need to remove it from the door and place vertically in the taw with the valve end up, remove the valve and slowly pour a light oil or transmission fluid, slowly working hand back and forth to belching the air and let the oil when no more air bubbles come out, place the valve door, then restore closer to the desired speed. I hope it helps.08, 2017: I got the door closer, while adjusting the speed adjustment screw loses and oil spills, how can I fix it, what kind of oil or what grade of oil I can use to fill it back... Thankdan from 06 April 2017: Can someone tell me how to take your hands off closer?? The owner wants to disable it, but wants to leave closer on the door because of the screw hole. Mirek February 08, 2017: Hi, can I set the door closer to keep the door open 90 degrees? Nomono open February 06, 2017: Finally got it. The body attached to the door was turned upside down. Once reversed, everything else turned inside when the door pulled open and closed firmly after loosening the adjustment screws slowly. Not as easy as I thought. Nomono open February 06, 2017: Thank you for the response. I used the same mounting holes as the previous owner because the door material is solid steel, that I don't have any tools capable of drilling in. I've already returned one that did the same thing, and the hardware guys said it was too hard to turn and was defective. I don't think it was a complete question as it does the same thing. I have a body mounted on the right side of the door next to the hinges on the right, and the arm and plate are attached to the top door frame, just to the left of the body. The hand attached to the body comes out almost directly at a 45-degree angle, but is slightly tilted to the left. There's another option to have it angled even further to the left, but the hand attached to the door frame isn't short enough to connect at that angle. 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