

Main Limit / Force / Fine Limit / Contact Reverse Adjustments

Note: Caution is advised when making these adjustments. No one should be in the path of the garage door when making these adjustments. Ladders should be positioned so that the ladder and person are clear of all moving parts of the power head, rail assembly, and door. Allowing one of our trained professionals to make adjustments for you is recommended.

Main Limit Switch Adjustments

This setting "trains" the operator to recognize when the garage door is in the open or closed position. We usually set this for our customers at the time of installation and this does not typically require any adjustments by the customer. Force adjustments may have to be made before and during setting of the Main Limit Switch.

Before starting main limit switch settings, LOCK carriage onto rail assembly (See emergency release tag).

1. Raise the door until the carriage engages with the inner-slide/bullet.
2. Set the "OPEN" limit switch.
 - Locate limit set switch on back of power head.
 - Push and hold limit set switch until door moves to the fully open position.
 - release the limit set switch.
 - "OPEN" limit switch is set.
 - NOTE: If door stops and refuses to move up, adjust "OPEN FORCE" (see Force Adjustments section) and then repeat setting limit switch.
3. Set "CLOSE" limit switch.
 - Push and hold limit set switch until door contacts the ground and stops.
 - release limit set switch.
 - "CLOSE" limit is set.
 - NOTE: If door stops and refuses to move down, adjust "CLOSE FORCE" (see Force Adjustments section) and then repeat setting limit switch.

Do not push the limit set switch again, your limits are set. Slight adjustments may be needed later (see Fine Limit Switch Adjustments section).

Force Adjustments

This setting indicates how much force should be used to operate the door. Adjust your door so that MINIMUM force is needed to operate the door. We usually set this for our customers at the time of installation and this does not typically require any adjustments by the customer.

During the following steps, the motor protector may open. Wait about 20 minutes for protector to reset.

1. Use the wall control button to run door to the fully CLOSED position before starting "OPEN FORCE" adjustment.
2. Adjust the "OPEN FORCE."
 - Locate screw on back of power head marked "OPEN FORCE."
 - Gently turn screw counterclockwise until it stops. NOTE: Little effort is required to turn adjusting screw.
 - Operate door using wall control.

- If door does not completely open, turn “OPEN FORCE” screw clockwise slightly.
 - Activate door using wall control.
 - Repeat force adjustment until door will completely open.
 - NOTE: Set MINIMUM force required to make door open.
 - Use wall control to close door.
3. Use the wall control button to run door to the fully OPEN position before starting “CLOSE FORCE” adjustment.
 4. Adjust the “CLOSE FORCE.”
 - Locate screw on back of power head marked “CLOSE FORCE.”
 - Gently turn screw counterclockwise until it stops. NOTE: Little effort is required to turn adjusting screw.
 - Operate door using wall control.
 - If door does not completely close, turn “CLOSE FORCE” screw clockwise slightly.
 - Activate door using wall control.
 - Repeat force adjustment until door will completely close.
 - NOTE: Set MINIMUM force required to make door close. The smaller the number, the smaller the force.

Fine Limit Switch Adjustments

This setting fine tunes the OPEN and CLOSE limit switches. This is the setting customers may typically have to adjust in order to ensure the reversal mechanism of the operator is functioning properly.

During the following steps, the motor protector may open. Wait about 20 minutes for protector to reset.

1. Adjusting the “OPEN” limit switch.
 - Run door to open position by pushing wall control.
 - Locate curved “OPEN” limit adjustment slot on back of power head.
 - Look into slot for pinion screw.
 - Insert a screwdriver and turn pinion screw.
 - clockwise to open more.
 - counterclockwise to open less.
2. Test door operator. Use wall control to run door open and close.
3. Repeat step as necessary to properly set “OPEN” limit switch.
4. Adjust the “CLOSE” limit switch.
 - Run door fully closed by pushing wall control.
 - Locate curved “CLOSE” limit adjustment slot on back of power head.
 - Look into slot for pinion screw.
 - Insert a screwdriver and turn pinion screw.
 - counterclockwise to close more.
 - clockwise to close less.
5. Test door operator. Use wall control to run door open and close.
6. Repeat step as necessary to properly set “CLOSE” limit switch.
7. Perform Contact Reverse Adjustments.

Contact Reverse Adjustments

This setting affects how sensitive the door is in regards to reversing or opening back up if it comes into contact with an object while closing. This is an important setting to monitor to ensure safety. Regularly checking that the reversal mechanism of the operator is functioning properly is highly recommended.

Fine adjustments for limit switches (see Fine Limit Switch Adjustments section) MUST BE completed before making Contact Reverse Adjustments.

- Run door to open position by pushing wall control.
- Place a 1 ½" object (or a 2" x 4" board laid flat) in center of doorway.
- Close door.
- Door MUST stop and reverse to open position. If it does not, repeat fine adjustments for "CLOSE" limit switch and "CLOSE FORCE" adjustment until the door will reverse to the open position. If the door does not reverse, decrease "CLOSE FORCE" until door reverses.

QUESTIONS???

Please contact us and we will be happy to assist you.

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