

Cobra

Installation instructions



Bottom of door seal

Provides a tight, long lasting barrier between the bottom of your garage door and floor..

Cobra seal options

Cobra bottom of door seal is available in two models to suit gaps under garage doors, and out of level floors. Cleverly designed for quick and efficient installation to seal uniform and tapered gaps.

Cobra-M provides up to 40mm of coverage via a front face that can be lowered or tapered to suit your unique application.

Cobra-L provides up to 60mm of coverage via an extended front face that can be lowered or tapered for more extreme gaps and floor level variations.

Correctly installed Cleverseal systems provide extremely effective solutions for eliminating all those annoying, undesirable intrusions, such as: dust, draughts, flying, crawling and slithering pests, and of course, seal out hot and cold winds.

Tools Required and Safety Notice

Recommended tools for installation

- Measuring tape
- Marker
- Hacksaw
- Metal file
- Pliers or side cutters
- Mini bar clamp
- Cordless drill
- Phillips head driver
- Utility knife
- Scissors to cut rubber

SAFETY

Safety glasses, gloves and ear protection to be worn.

WARNING

It is vital for the safety of persons to follow all instructions.

During the installation procedure ensure children and any other person/s not directly involved with the installation procedure, are kept clear of the work area and well away from the garage door opening area.

Failure to comply with the installation instructions and safety warnings may result in serious personal injury or damage to property.

Please save these instructions for future reference.



Cobra

Installation instructions

Step 1

Clean and prepare area

Remove any objects that could obstruct installation. Including any vehicles if possible. Wipe down excess dust from installation area.

Raise the door to the desired position and use a clamp on both tracks below the door to secure and prevent the door from moving during installation.

Remove old strip using a utility knife.

Disengage auto openers and **DO NOT** re-engage until all seals are installed and the travel of the garage door has been manually tested without the garage door binding.

FAILURE TO FOLLOW THIS INSTRUCTION COULD RESULT IN SERIOUS DAMAGE TO THE DOOR, requiring expensive component replacement.

Ensure that the remote control device or hand-set is in a safe, secure location, out of reach from children and any other person not directly involved with the seal installation procedure.

Cobra-M and Cobra-L can be lowered on the face of the door bottom to cover gaps larger than 20mm.

DO NOT FIT until confirming both brush and rubber on the Cobra seal touch the floor along the full width of the door. Adjusting the Cobra after installing may leave visible holes along the bottom of the door.



Step 2

Measure and cutting to size

Check the intended placement of the Cobra seal on the bottom of the door and ensure it will cover the gap when the door is down. The carrier can be lowered on the face of the door to seal gaps over 20mm.

Measure the width of the door curtain/panel and subtract 5mm at both ends, this will be the size of your Cobra seal. Fig 1



Figure 1. Measure door

Mark the aluminium and retract the brush and rubber to ensure only aluminium is cut. Once the aluminium is cut to size, trim the brush using pliers or side cutters only*. Fig 2



Figure 2. Cutting brush and rubber blade

If the aluminium carrier contacts the door track, it needs to be notched. Mark the required amount of overlap to be removed. Cut the front face of the carrier then snap off, leaving the brush and rubber blade channels intact. Fig 3

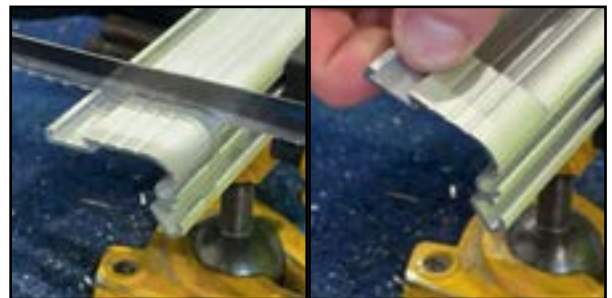


Figure 3. Notching if required

*Avoid using a grinder, as it can result in a rough cut.

*Cutting brush with any type of snips, shears, or saws will result in filament dislodging from the backing spline. Pliers or side cutters create a crimp, sealing the the backing spline.

Step 3

Installing

Check the placement of the seal on the door. If you are tapering or covering a gap greater than the brush, lower the attachment point on the face of the door to compensate. It may be helpful to lightly mark the position using a pencil.

Fig 4



Figure 4. Check placement

Insert the Cobra seal into both tracks and ensure the carrier does not touch the tracks when in place. Fig 5



Figure 5. Inserting notched end in position

Starting no more than 100mm from the edge of the opening, affix the Cobra seal to the door using the fixings provided. Fixings should only be inserted in the fixing channel at the top of the Cobra seal. Each attachment point should be roughly 300mm apart. Fig 6



Figure 6. Affix Cobra seal from one end to the other

If you are joining more than one length, ensure the rubber blade is intact and continuous*. Cut 100mm of the brush only from one carrier and re-insert it into the far end of the other carrier so that brush now protrudes near the join. Insert the protruding brush into the other carrier to create a join. Fig 7



Figure 7. Joining lengths

*Cutting the blade in the middle will compromise the seal and affect its ability to re-direct the flow of water.

Step 3 cont.

Installing

Affix the carrier in the desired position using fixings provided. Each attachment point should be roughly 300mm apart. Fig 8 & 9

Ensure the brush and rubber blade are angled diagonally towards the front of the opening, not vertically. Fig 10

Insert the cover strip to conceal fixings. It may be useful to use a pencil to guide the cover strip into the fixing channel. Fig 11



Figure 8. fixing joining lengths



Figure 9. Cobra seal fixed to other side



Figure 10. Check seal angle



Figure 11. Inserting cover strip



Figure 12. Cobra seal installed with no exposed gaps

Step 4

Test garage door with your new seals

Carefully remove the clamps, ensuring the lifting cables stay on the cable wheel drums. **FAILURE TO FOLLOW THIS INSTRUCTION COULD RESULT IN SERIOUS DAMAGE TO THE DOOR,** requiring expensive component replacement.

Test the garage door manually and make any track or top roller wheel position adjustments.

ONLY AFTER the seal has been fitted and the garage door has been manually operated without binding, re-engage the auto opener, then, **HOLDING** the manual release cord in one hand, and with the remote control in the other hand, operate the garage door, following the garage door as it moves with holding the manual release cord.



If the Garage door binds or hesitates **IMMEDIATELY** disengage the auto opener, then make the necessary adjustments until the garage door functions without binding and hesitation in auto opener mode. **FAILURE TO FOLLOW THIS INSTRUCTION COULD RESULT IN SERIOUS DAMAGE TO THE DOOR,** requiring expensive component replacement.

If the door automatically retracts from pressure to the ground, or the seal is not pressed to the ground, you may need to adjust the travel on the garage door motor to suit any minor difference the new seal has added. See the garage door motor manual.

Once your bottom of door seal is pressed on to the ground, make sure the angle of brush and rubber blade is pressed towards the outside. It is advise to leave door position correctly continously for 24 hours so the rubber blade holds its angle.

Maintenance

Correctly installed, Cleverseal systems will provide excellent service and extremely effective solutions to eliminating all those annoying dust, draughts, flying, crawling, slithering pests and of course, seal out hot and cold winds.

The only maintenance we recommend is to regularly run a wood pencil along the full length of the seal when the garage door is open, to remove any collected particles of dust, plant debris or grit.

All garage doors require regular service, especially the sectional overhead type. Adjustment to the tension springs or lifting cables should ONLY be attended to by a qualified garage door specialist. SERIOUS INJURY OR DEATH can result in unqualified persons attempting adjustments with those components.

Need help?

Phone: 1300 887 438 **Email:** info@cleverseal.com **Visit:** www.cleverseal.com

Other products in the Cleverseal range

- Top of garage door seals
- Garage Side seals
- Bottom of garage door seals
- Commercial shutter/shed seals
- Flame retardant seals
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