Edison Autoslide™

Installation Manual
(For Sliding Garage Doors)
Parts List

1. Connector Sleeve (1x)
2. Two-part channel and plastic chain (1x)
3. C-rail (2x)
4. Carriage (1x)
5. Door bracket (1x)
6. Control housing with cord (1x)
7. Tensioner, tensioning bolt M8 x 80mm, and spring (1x)
8. Angle bracket for rail mid-attachment (4x)
9. Thick washer 1-1/4” dia (4x)
10. U-fitting long stud with collar (1x)
11. U-fitting short bolt (1x)
12. Long pin and clips OR lock nut/bolt (2x)
13. Medium pin and clip OR lock nut/bolt (1x)
14. Short pin and clip OR lock nut/bolt (2x)
15. Lag bolt 5/16” x 1-1/2” (10x)
16. Carriage bolt M8 x 25mm, lock washer and nut (4x)
17. Release cord grip (1x)
18. Electric end (1x) *NOT USED*
19. Non-electric end (1x)
20. Electric end with cord (1x)
21. Photoeye set (1x)
22. Rail mid-attachment bracket (2x)
23. Wall button (1x)
24. Remote transmitter (2x)
25. Boomerang curved brace (1x)
26. Limit stop set (marked “H” and “V”) (1x)
27. Rail end bracket (2x)
Assembly

The chain is inserted into a plastic guide channel. It is not packaging material. Do not throw away! Unfold the two sections of chain. You may leave the limit stops “H” and “V” in the rail.

Attach release cord grip to the carriage cord by sliding it on and knotting the cord. Hang the chain out as shown and thread it onto the sprocket on the underside of the carriage. Note the position of the chain with guide as shown in the side view at left. If the sprocket does not turn, pull the release cord one time. This unlocks the carriage.

Slide the carriage and chain assembly onto one section of C-Rail to the approximate mid-position.
Assembly

Slide both sections of rail into the connecting sleeve. Thread the chain through the other limit stop in the process.

Feed the first link of the chain into the tensioner on the ‘electric end with cord.’ Turn the electric end by 90° to lock into position.

**Note:** the ‘electric end’ that ships in the assembly is not used and may be discarded.

Push the electric end firmly into the end of the C-rail until its flange meets edge of the rail. Loosen the screw on limit stop “H” and slide against the tensioner.
Assembly

At the other end of the C-rail assembly:
Disassemble tensioner, tensioning bolt, and spring from the ‘non electric end’. Slide tensioner onto chain and rotate 90° to lock.

Slide the ‘non-electric end’ into the end of the rail, guiding the tensioner into the hole in the end. Seat the end fully onto the end of the rail using firm pressure. Thread the spring onto the tensioning bolt and screw into the tensioner by hand.

Using a socket wrench, tighten the tensioning bolt until the collar under the bolt head aligns with the arrow marking on the non-electric end.

At the other end of the rail (electric end):
Do not adjust the factory position of the tension bolt in the embedded tensioner. Doing so could cause damage to the tensioner.
Assembly

Lock the carriage into place by pulling once on the release cord, then sliding the carriage one direction. There will be an audible ‘click’ and the carriage will freeze its position.

Insert two M8 x 25mm carriage bolts into rail mid-attachment bracket as shown. Slide onto one end of the rail, leaving at about the 1/3 position. Repeat for the opposite end of the rail.

Attach the angle brackets through the uppermost hole with lock washer and nut. Repeat for other rail mid-bracket.
Assembly

FOR CEILING MOUNTED APPLICATIONS:
Attach boomerang curved brace onto carriage as shown. With thick washer and medium length pin and clip.

Position end bracket on assembly as shown at left. Thread long pin into end, then fix into place with two clips. Repeat for other end of rail assembly.

CEILING MOUNTED, CONTINUED
Attach U-fitting with short pin and clip as shown.
Assembly

FOR WALL (SIDE) MOUNTED APPLICATIONS:
Attach the U-fitting with long stud and collar to carriage as shown.

WALL (SIDE) MOUNTED, CONTINUED:
Slide boomerang curved brace into U-fitting assembly and affix with short length pin and clip. The section of the brace with 3 holes should be running parallel to the track. Attach the other U-fitting to the other end of the brace with another short pin and clip.
Plan your layout: The ‘closing’ end of the rail assembly should be set back from the closed door by 1/2” minimum. The door may be mounted on the exterior or the interior.

Attach rail assembly to wall or ceiling with 5/16” lag screws. Note: Attachment must be to adequate framing or strapping. Drywall attachment only is not permitted. The track must not come into contact with the door’s supporting sliding track at any time. Curved brace may be rotated for maximum flexibility. Ceiling mounted clearance shown is from ceiling plane to centerline of U-fitting. Wall mounted clearance is from bottom of track to U-fitting.
Position door bracket in desired location. Noting the clearances on previous page, swivel boomerang brace and U-fitting assembly to determine best placement. Mark the location of the brace’s two mounting holes.

Cut door bracket to length (if desired). Plug end with plastic end cap provided and install on door with 5/16” x 1-1/2” lag bolts. Predrill through the bracket where the U-fitting meets it. Fasten securely with M10 x 40mm bolt.
Installation

Mount control enclosure to the wall and use the wiring diagram on the following page to wire the components. WARNING: Do not wire the 120V power until all the wiring has been completed. Plugging in the system is the last step in wiring. Always disconnect the power source before adjusting or rewiring the control panel.

Mount the photoeyes in the door jamb 6” to 8” from the floor. The maximum distance between eyes must not exceed 20 feet.

Position the wall pushbutton in an accessible location. Carefully pry the button’s switch cover off. Loosen the two exposed screws, then carefully pry the button base from the frame.

IMPORTANT:
Garage doors can cause harm to people and / or things. Never allow children to play with the garage door. Do not use the garage door as a pedestrian exit.
Wiring

The 120V power cord is prewired inside the enclosure. To exit the enclosure, slice the concentric ‘boot’ at the base of the enclosure, disconnect the plug from the terminals, and thread the cord through the boot. Reconnect the terminals. IMPORTANT: Always have the power disconnected when adjusting any wiring on the system.

Wire the accessories and safety photoeyes to the terminals numbers as shown. Polarity is not observed with these devices.

To power the track, connect the RED wire to terminal 7 and the GREEN wire to terminal 8.