

REPAIRING VEHICLE BODY DAMAGE

Through regular use your Chevy Spark may incur damage to various exterior components. With a few staples of a home toolbox, drivers can remove and replace many of the external components saving time and money in the process. The following guide explains how to remove and replace a commonly damaged component, the passenger side view mirror assembly.

Replacing the Mirror Assembly – Passenger Door

The exterior mirror assembly of your Chevy Spark utilizes a plug-n-play style electrical connection that makes removing and replacing a damaged mirror assembly an accessible do-it-yourself project for even inexperienced drivers. These steps are specific to the passenger side door and its particular electrical system connection points. The driver side door has a larger electrical panel with more connections running from the frame to the panel.

The vehicle engine must be off and the keys removed from the ignition during this process.

There is no need to disconnect the battery for this process. Doing so may cause some saved settings to reset to their defaults.

Don't lock yourself out! Remember to unlock your car and put your keys somewhere safe.

Tools and Materials

Gather the following items before starting. Some tools on this list are optional, but all are recommended to guard the condition of the soft plastic against damage from substitute tools.

- Phillips head screwdriver
- Plastic pry tools (one large and one small if possible)
- Socket wrench
- 10mm socket
- New mirror assembly
- Flat head screwdriver (optional alternative for small pry tool)
- Pliers (optional)

Removing the inner door panel.

In order to replace the mirror assembly on your Chevy Spark, the door panel must be removed to expose all the mounting screws.

The door panel is connected to the frame by two electrical wires that control the power window and lock. Keep the panel within a foot of the frame until both wires are disconnected (see Figure 2).

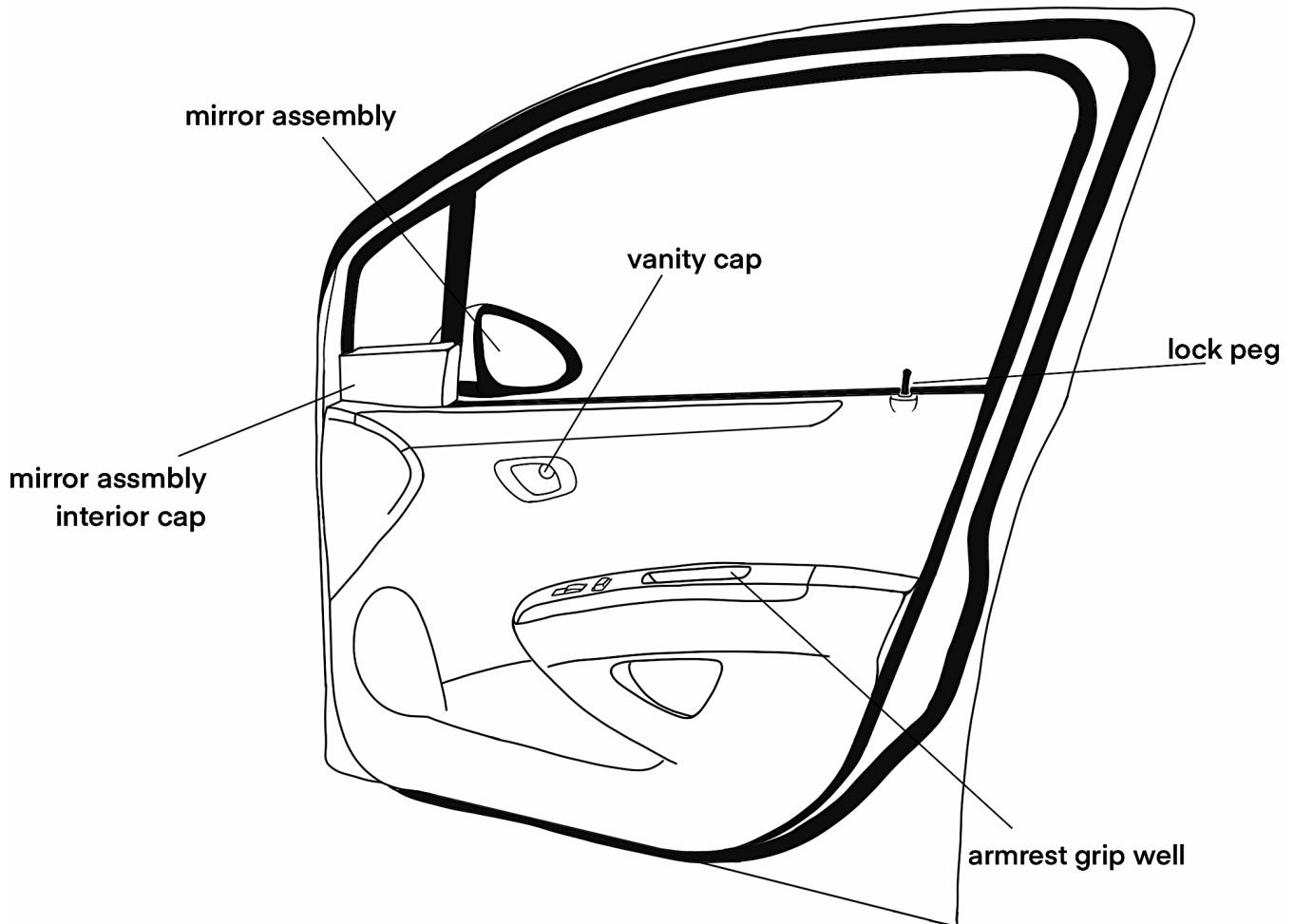


Figure 1: Passenger door interior with door panel on.

1. Wedge pry tool under a corner of mirror assembly interior cap.
2. Pull the mirror assembly interior cap away from the doorframe.
Tip: store small pieces in the cap while you work to prevent losing them.
3. Pry off the circular vanity cap located in the recess of the door handle.
See Figure 1 for help locating this part.

If the plastic pry tool is too large to use as a wedge, the tip of a flat head screwdriver can be used. Work carefully so as not to scratch the plastic.

4. Unscrew the hidden screw with your Phillips head screwdriver.
5. Remove the rubber insert from the armrest grip well.
6. Unscrew the screw in the armrest grip well with your Phillips head screwdriver.
7. Wedge your pry tool between the doorframe and panel.

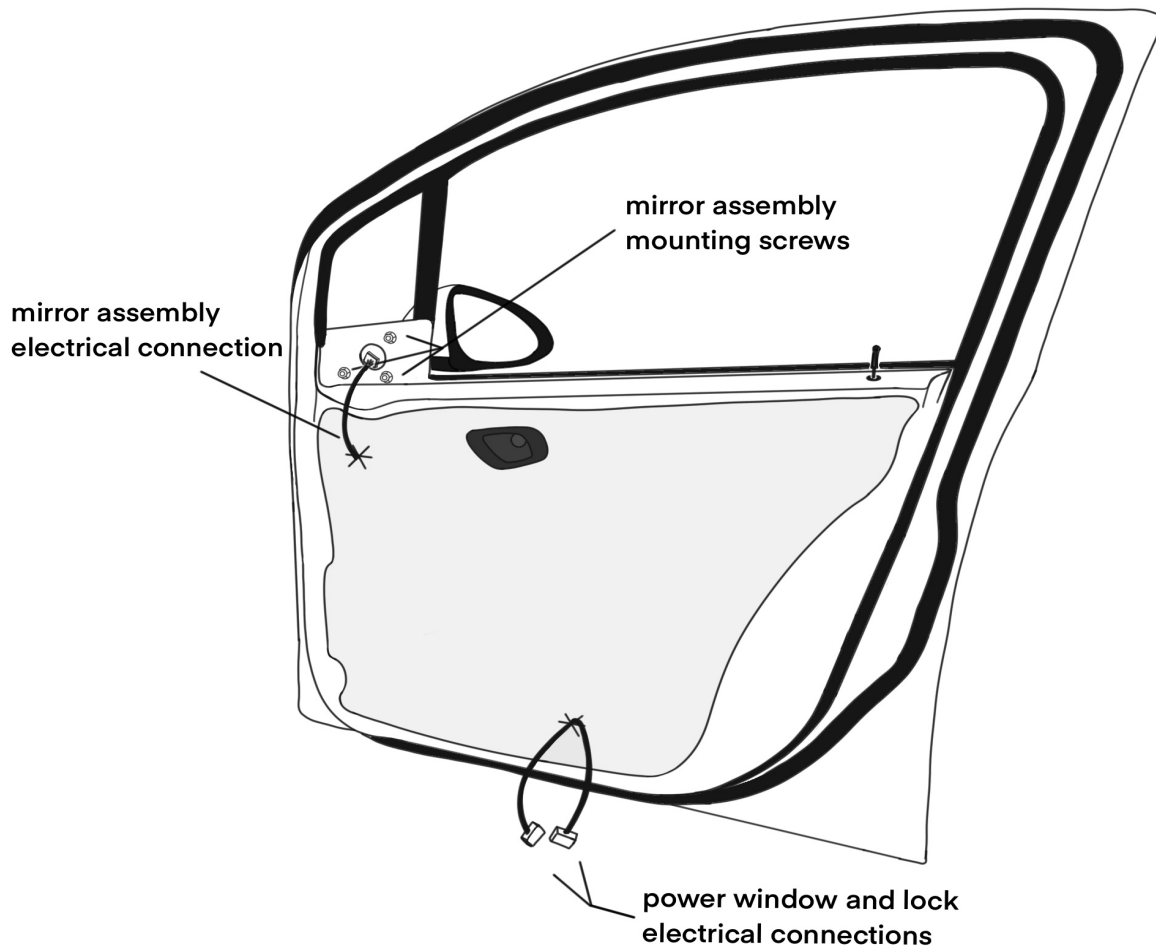


Figure 2: Passenger door interior showing door panel removed.

8. Firmly pull the panel away from the doorframe.
In addition to the screws, the panel is attached to the frame with several plastic snap-in clips that may remain seated in the frame as you pull the panel away. If this occurs, remove the clip using your pliers and snap it into its spot on the panel.
9. Lift the panel clear of the door lock peg.
10. Rest the door panel on the ground next to the door without pulling at the wires that are still tethering the panel to the doorframe.

11. Disconnect the first electrical connection.
12. Disconnect the second.
13. Set the panel aside.

Removing the damaged mirror assembly.

With the door panel removed, the three mounting screws that anchor the mirror assembly to the frame are accessible.

1. Unplug the mirror from the electrical system.
2. Loosen the mounting screws with your socket wrench.
3. Twist the mounting screws out by hand once they are loosened.
4. Pull the mirror assembly away from the exterior of the body.

Installing the new mirror assembly.

Replacement parts are often sold in standard black. Products can be purchased to color match your vehicle's existing shade. See your chosen product's details for instructions.

1. Guide new mirror assembly into place.
2. Twist each of the mounting screws into their threads by hand.
3. Tighten completely with your socket wrench.
4. Plug the wire into the electrical connection port on the new mirror.

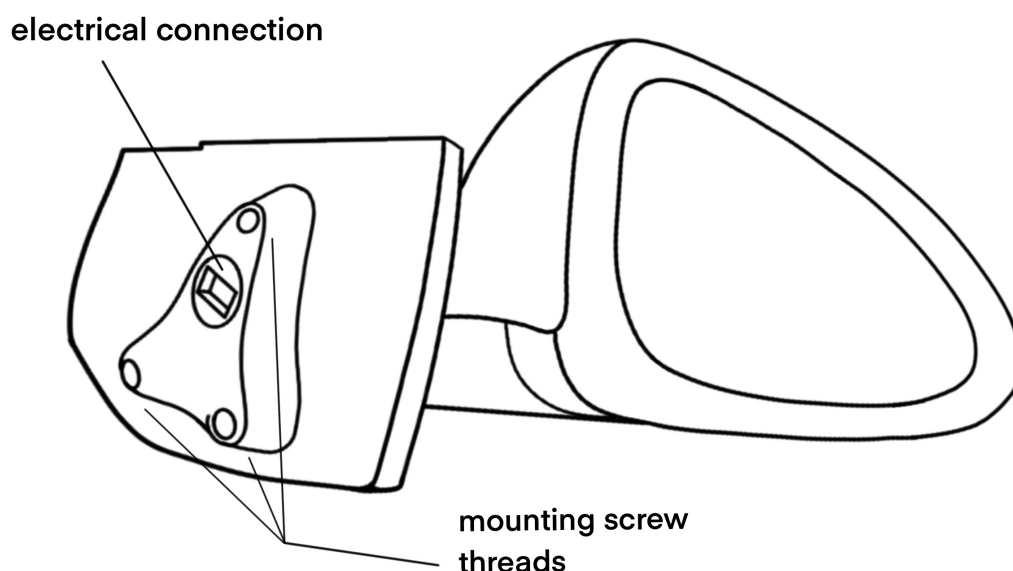


Figure 3: Side view mirror assembly.

Replacing the inner door panel.

1. Rest the door panel on the ground near the frame.
2. Reconnect first electrical plug.
3. Reconnect the second.
4. Lift the panel above the lock peg aligning it parallel to the base of the window glass.
5. Lower the frame so the lock peg is threaded through its hole in the panel.

With the lock peg and window base alignment properly executed, the clips will be in the correct position for reconnection.

6. Tap firmly over approximate locations of the clips to ensure they're snapped back into their settings.
7. Replace the screw to the door handle recess.
8. Replace the screw to the armrest grip well.
9. Clip the vanity cap back into place in the recess of the door handle.
10. Replace the rubber insert in the armrest grip well.
11. Press the mirror assembly interior cap back into place.