

**Installation Instructions-
Moving Window Sensor (3601-xx-xx)**

Magic Touch

ATTENTION: Read the entire installation manual before installing the Magic Touch system.

INTRODUCTION:

Magic Touch represents the latest in advanced technology using touch sensitive door handles with specific attention to design and detail for the automotive industry. We have not only applied advanced technology to the operation of the product, but also to the installation, which allows for a more simple and straightforward installation. Magic Touch is designed with highly reliable components that are found in consumer products inside and outside the automotive industry.

Read all instructions before beginning installation.

INSTALLATION:

STEP 1: Select the proper sensor for the appropriate door

This is the correct placement as seen from the inside of the door. Be sure to use the proper sensor for each window.

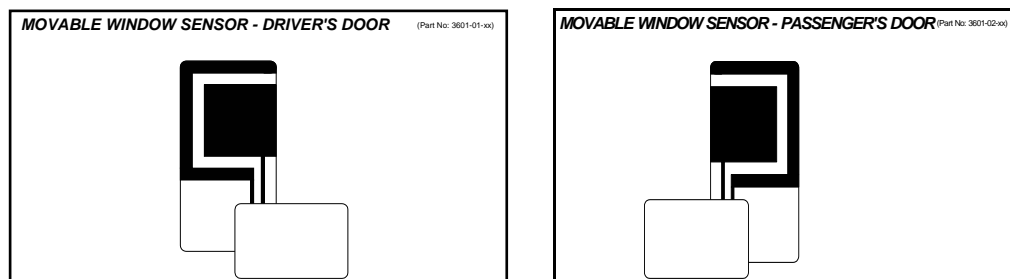


Diagram 1

STEP 2: Select and clean area to apply sensor

Use window cleaner and alcohol to properly clean the inside glass area where the sensor is to be applied. If there is no window tint, use a razor blade to scrape the area before using window cleaner.

The proper placement of the glass sensor is the lower corner of the movable window, as show in the photograph below. If the windows have window tint, the sensor will be applied to the surface of the window tint that is inside the car. It does not need to be under the window tint. It will sense touch through the glass and the tint. Note: Magic Touch will only work through non-metallic window tint.



Photo 1

STEP 3: Measure the placement of the sensor

With the window fully rolled up, make a horizontal mark, or use tape, on the outside glass window 2 1/2" from where the glass meets the lower window seal. Never mark in the area where the sensor will be applied.

NOTE: The sensor must be placed AT LEAST 2 ½" from the edge of the trim. If it is less, it will falsely trigger and not operate properly.

Remove the door panel. If necessary, roll down the window to get access to the window glass. Place the sensor on the window with the top edge placed at the horizontal line. Test the placement of the sensor before the final application. Peel off the protective layer that covers the adhesive. Use soapy water on the window and sensor to allow adjustment of the sensor similar to the process used in applying window tint. Once in place, squeegee out the water from under the sensor. Once the sensor is applied and dried; it cannot be moved and reapplied.



Photo 2



Photo 3



Photo 4

STEP 4: Connect the cable to the main controller box

1. If the sensor is the type that has a connector, connect the coiled cable to the circuit board through the small opening. Insert the cable as in the following picture with the connectors visible from the front.



Photo 5

2. If the sensor board is the type that does not have a connector, splice the four wires into the cable that connects to the ECU as shown in the photos below.

NOTE: If the vehicle will never be unlocked in the rain, you may choose to not connect the black wires. This will give a larger area of sensitivity. But the door may open when it is unlocked in the rain.



Photo 6

3. Apply the adhesive strain relief on the glass next to the circuit board and tie wrap the cable. This prevents the cable from pulling out of the circuit board when the window is rolled up and down.



Photo 7

4. Roll the window up. Secure the lower part of the cable to a fixed point in the bottom of the door. Connect the other end of the spiral cable to the main Electronic Control Unit (ECU) box.

STEP 5: Connect the main Electronic Control Unit (ECU) box wiring according to the separate wiring instructions.

OPERATION:

To activate the sensor and trigger the actuator to open the door, touch in the middle of the clear sensor. If you touch the outer edge of the sensor right before the center, it will disregard your touch in the center. If the black wire was not connected between the sensor and the ECU, this will not matter.

If the window up and window down wires are connected on the main ECU, then the sensor is disabled when the window is rolled down, and re-enabled when you stop rolling up the window.

FOR ASSISTANCE: Contact LaFrance Autoworks at support@lafranceautoworks.com