

**Installation Instructions -
Side Mirror Sensor (3604-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 desired location for the sensor

Placement can be behind any non-metallic flat surface of the mirror. On a chrome mirror place it on the underside non-chrome surface, as shown in the pictures.



Photo 1 – Underside of mirror



Photo 2 – Inside surface

STEP 2: Connect the cable to the sensor circuit board

If the model of sensor has a connector, connect the cable to the circuit board. Insert the cable, as in the following picture, with the connectors visible from the top.

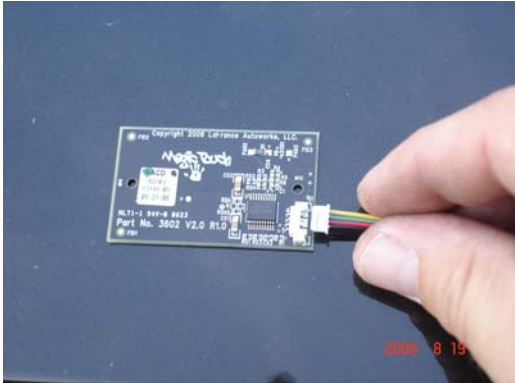


Photo 3 – Proper alignment



Photo 4 – Connected

Run the cable through the mirror casing into the interior door panel. If you have to cut the wire in order to feed it through the mirror housing, or if the model of sensor does not have a connector and is already cut, splice it back together using telephone wire splices such as Ideal #85-925. Connect the other end of the cable to the main Electronic Controller Unit (ECU).

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



STEP 4: Prepare the surface

Use window cleaner and alcohol to properly clean the inside surface area where the sensor is to be applied.

STEP 5: Bond the sensor board to the mirror

Use an epoxy adhesive to bond the sensor circuit board to the flat surface of the inside of the mirror. Place the epoxy on the mirror and the center of the square on the back side of the circuit board. See the photos below.



Photo 5 – Front side sensor board

Photo 6 – Back Side



Photo 7 – Placement of sensor

Photo 8 – Pressure until dry

Keep pressure on board until the adhesive is dry.

STEP 7: Connect the other end of the cable to main ECU.

STEP 8: Connect the main Electronic Control Unit (ECU) box wiring according to the separate wiring instructions.

OPERATION:

The sensor will not trigger with the touch of the end of your finger, it requires more surface area of your fingers or hand. Do not press on the handle. It is triggered by the electrical properties of your body not pressure or heat.

To activate the sensor and trigger the actuator to open the door, touch in the center of the sensor. Touching from the top, will be perceived as rain and ignored. If the black wire was not connected between the sensor and the ECU, this will not matter.

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