

mux (multiplex) sensors

adjusting the 506T glass tamper sensor

NOTE: Before testing, all the doors and windows must be shut. If a window is open, the acoustics of the vehicle interior change dramatically. The customer should be informed of this. Also remember that Clifford security systems cannot trigger until ten seconds after they are armed.

A single tap of a key or a coin should not trigger the sensor, since it is designed to react to multiple, closely-grouped sounds. A sharp rap with a set of keys should trigger the sensor. If the sensitivity needs to be increased, turn the adjustment screw clockwise an eighth of a turn and retest. If the sensitivity needs to be decreased, turn the adjustment screw counter-clockwise and retest.

adjusting and testing the 509U ultrasonic sensor

1. The sensitivity adjuster is found on the top of the 509U control module. Insert a small screwdriver into the adjustment hole and turn the screw clockwise to increase sensitivity or counterclockwise to decrease sensitivity.
2. Arm the alarm system, wait a few seconds and then move your arm through an open window on the vehicle as if attempting to remove an item from the seat. The LED should illuminate on the control module to provide visual indication it has detected the movement and the alarm system should trigger.
If it does not, then increase the sensitivity in small increments until the optimum position is reached and the sensors do pick up the movement. Do not over adjust the sensors as the system will false alarm. The sensitivity level should be left at the minimum setting where the sensors pick up movement in the rear seating position.
3. When satisfied with the final sensitivity setting, mount the 509U control module securely with the double-sided tape and cable tie provided.

adjusting the tilt/motion sensor

The unit has selectable dipswitch settings for both the tilt threshold and the motion sensitivity levels. The dipswitches are located on the side of the sensor next to the harness plug. Dipswitch 1 controls the tilt sensitivity threshold, and dipswitches 2 and 3 control the motion sensitivity threshold. Dipswitch 4 will control the arming delay from either 10 seconds or 2 minutes. One second after the unit has powered up, the 507T has an internal LED that will flash in two groups to indicate which sensitivity settings have been programmed. The first group of LED flashes indicates the tilt sensitivity setting, and the second group indicates the motion sensitivity setting.