



Installation Instructions

Sound System, Cruise, Alarms

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November 2003

Product
Development

SUBJECT

MINI Alarm Installation Kit - P/N 82 11 0 306 852

MODELS

MINI Cooper (R50): Vehicle Production as of 09/2003
MINI Cooper S (R53): Vehicle Production as of 09/2003

SUGGESTED INSTALLATION TIME: .75 hour

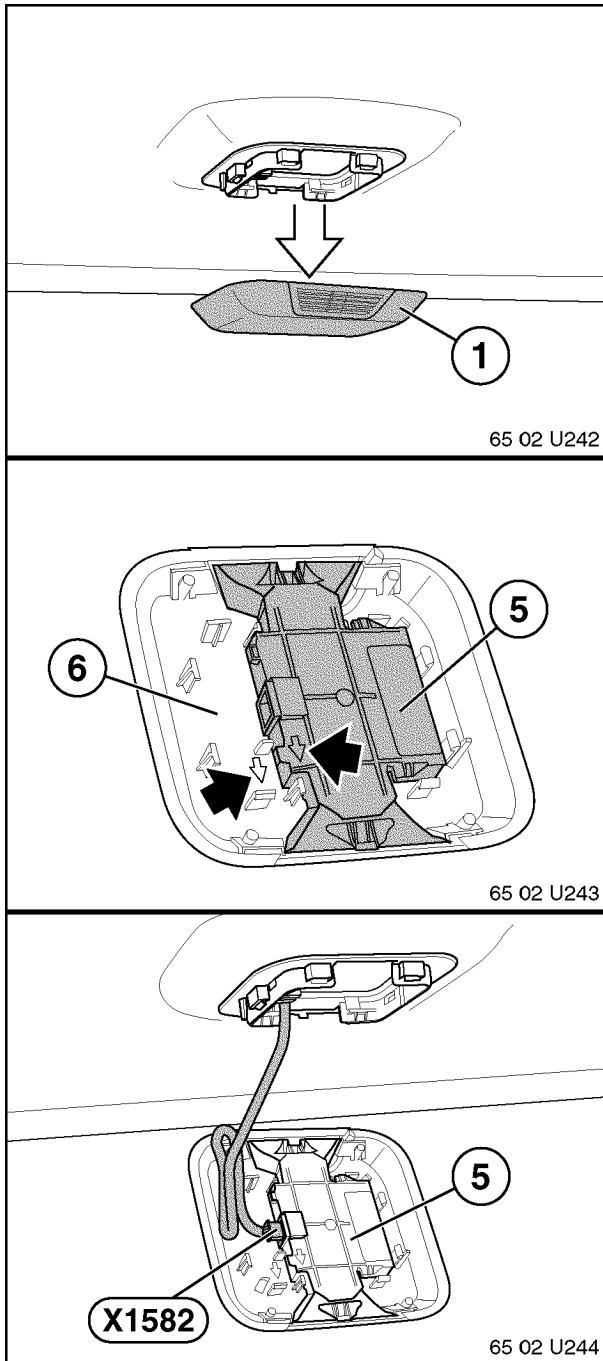
These instructions were developed specifically for MINI vehicles and are not to be compared to any existing instructions for vehicles other than MINI. No methods other than those specified in this document are to be used to install the MINI Hands-Free Phone System with Bluetooth™ Wireless Technology in MINI vehicles.

PARTS INFORMATION

MINI Alarm Installation Kit Contents - P/N 82 11 0 306 852

Part Description	Qty	MINI Part Number
Wiper Stalk with status light	1	61 31 1 489 485
Alarm Siren with Tilt Sensor	1	65 75 6 942 432
Bracket Alternate Power Siren	1	61 35 6 930 052
Ultrasonic Module	1	65 75 6 937 083
Hex Bolt with Washer (M6x12 Z1)	1	88 10 0 030 553
Hex Nut with Plate (M6)	2	11 61 0 141 114

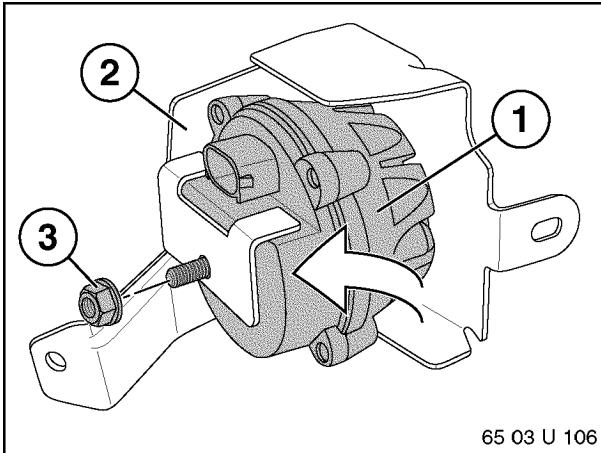
★ ★ DO IT RIGHT THE FIRST TIME, ON TIME, EVERY TIME ★ ★

INSTALLATION PROCEDURE:

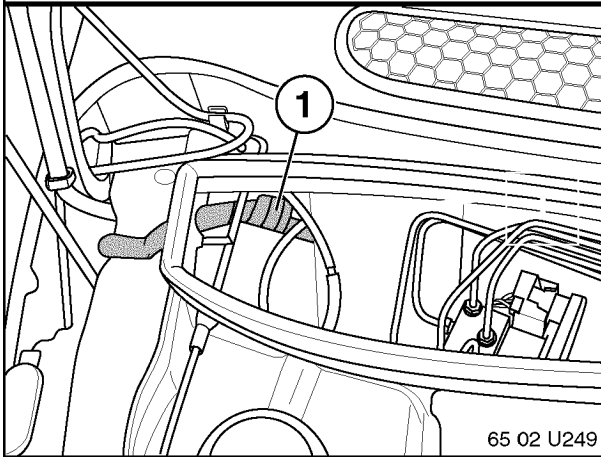
1. Disconnect Battery prior to starting the installation.
2. Remove the cover (1) for the Ultrasonic Module located above rear seat.

3. Place the Ultrasonic Module (5) into the cover (6) making certain that the arrows on the module and the cover are aligned.
 - Clip the module into the cover.

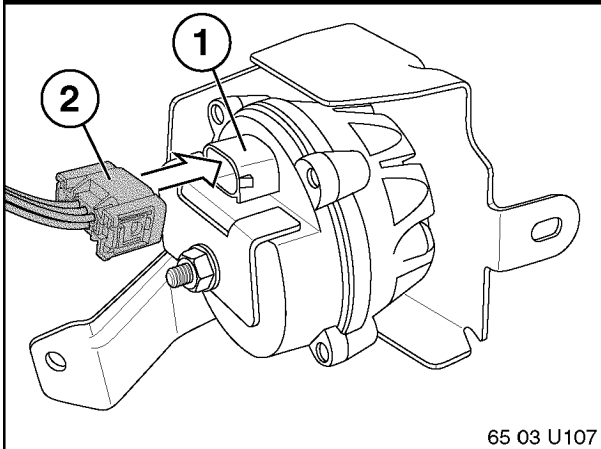
4. Connect the module (5) to connector X1582.
 - Reinstall the cover.



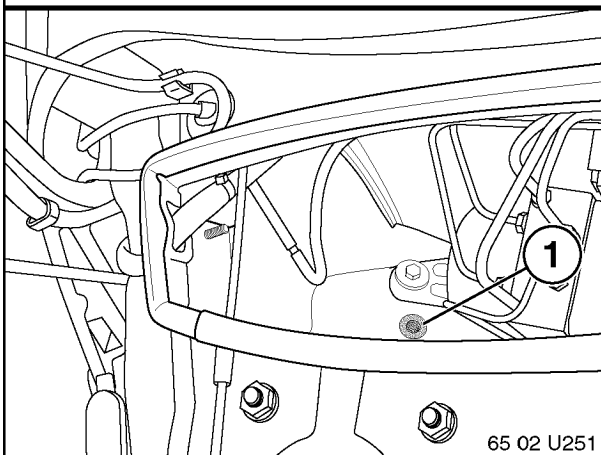
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- Attach the Power Siren (1) to the mounting bracket (2) using an M6 nut (3).



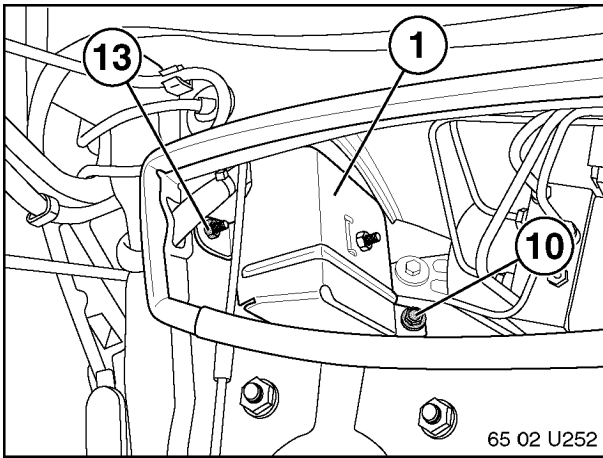
- The black 4-pin connector X19562 (1) located in the left rear corner of the engine compartment near the ABS/ASC Hydraulic module is taped to the wiring harness.
 - Carefully remove the tape that secures the connector to the harness (1).



- Connect the black 6 pin connector (2) to the siren (1).

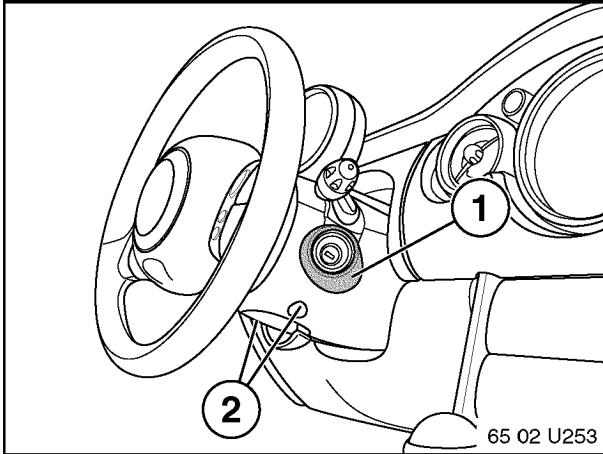


- Remove the plastic film covering the mounting hole for the siren bracket (1).



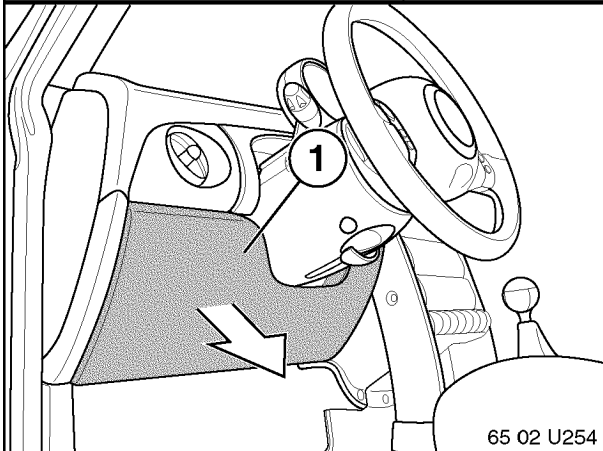
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9. Secure the mounting bracket and siren (1) into place using a hexagonal screw M6x12 (10) and Hexagonal nut (13).

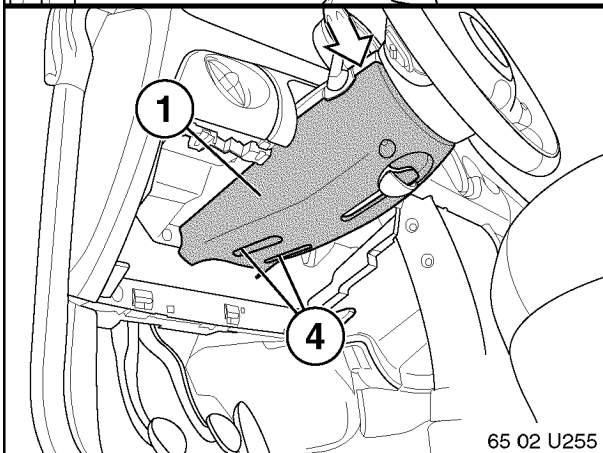


10. Remove lower section of steering column trim:

- Remove ignition switch rubber (1)
- Remove screws (2)

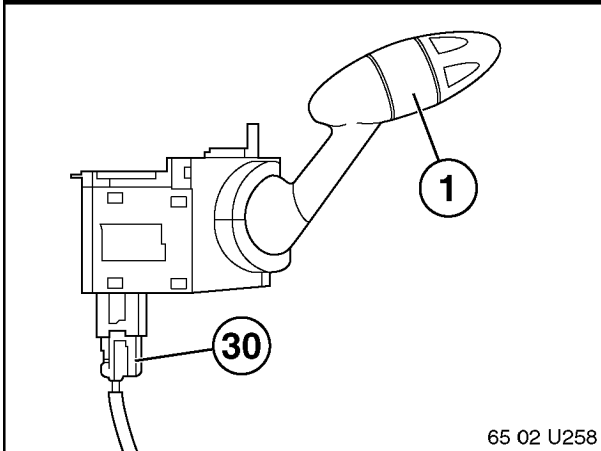
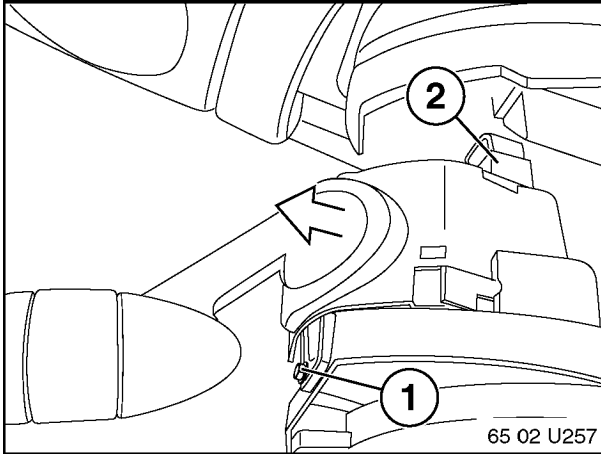
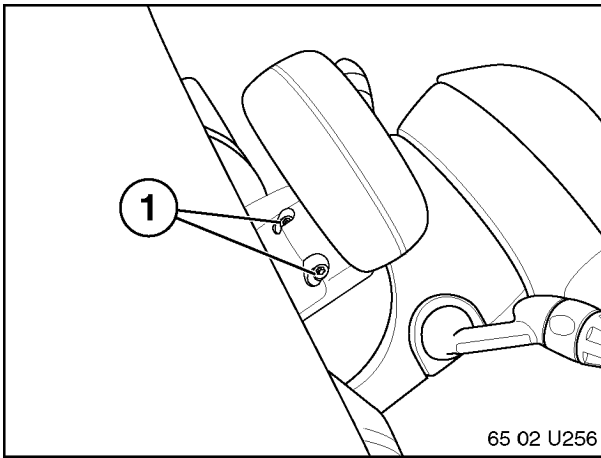


11. Remove knee bolster (1) by carefully pulling the plastic cover forward.



12. Remove lower trim cover:

- Release lower trim cover (1) retaining clips (4).
- Remove lower trim cover by pressing in on the upper trim cover (arrow).



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13. Remove upper section of steering column trim:

- Remove two screws (1) at rear of gauges.
- Disconnect plug.
- Remove remote gauge cluster.
- Remove upper trim cover.

14. Remove the wiper switch:

- Remove screw (1).
- Remove the wiper switch (arrow).
- Disconnect connector (2).

15. Install the new wiper switch (1) with anti-theft status indicator.

Note: The removed wiper switch should be returned to the customer when the vehicle is picked up.

16. Reinstall all removed components and trim covers.

17. Reconnect Battery.

CODING OF THE CONTROL MODULE

After installing this alarm kit the vehicle must be re-coded using the “Retrofit” path to ensure that the alarm works properly with the systems currently installed in the vehicle. The recoding is done automatically when using the “retrofit” path on the DIS or GT1.

“Retrofit” re-coding steps:

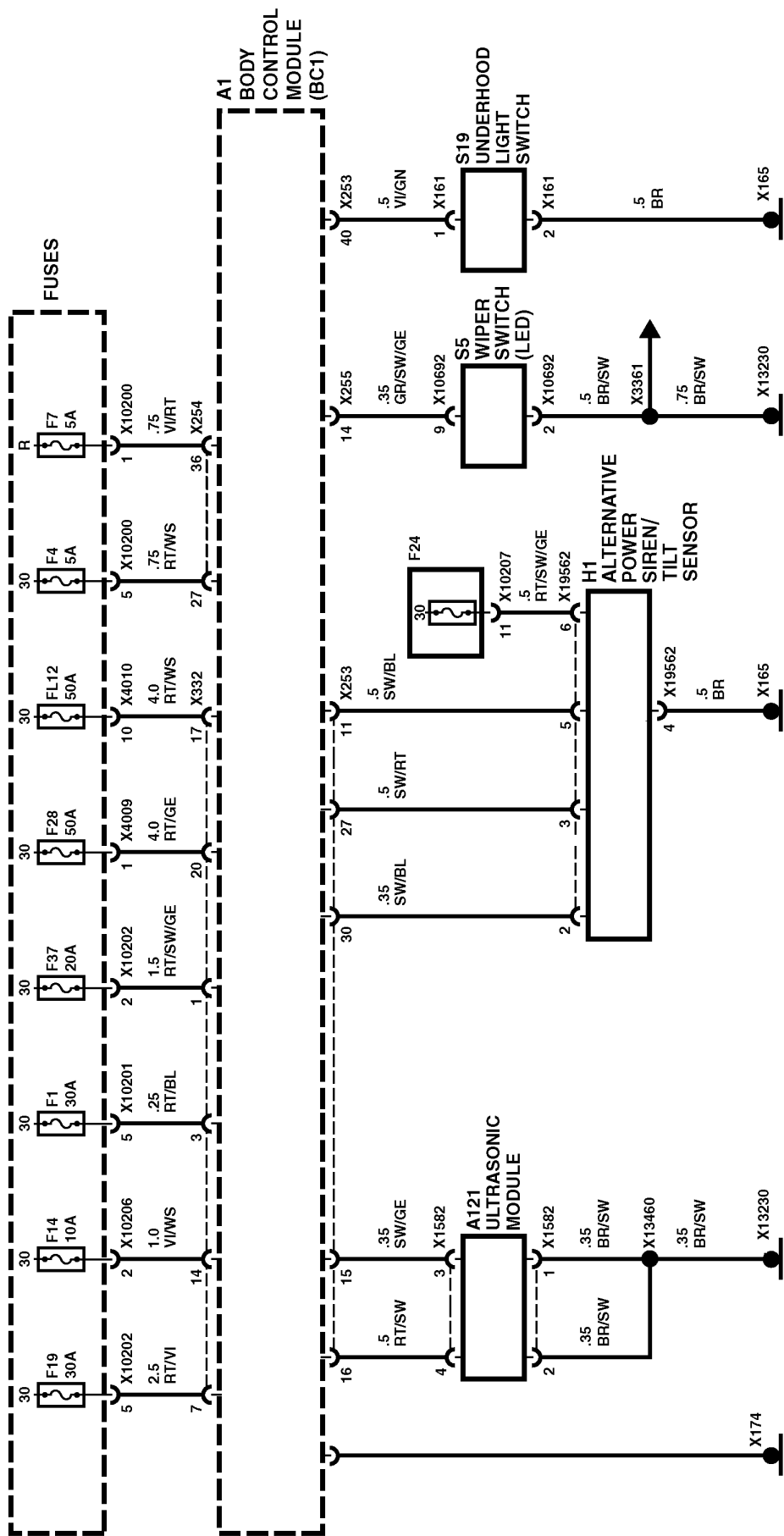
- Connect DIS or GT1 to vehicle
- Turn on ignition
- Select “Coding ZCS”
- Series: “R50”
- Path: “2 Retrofit”
- System: “Alarm system”

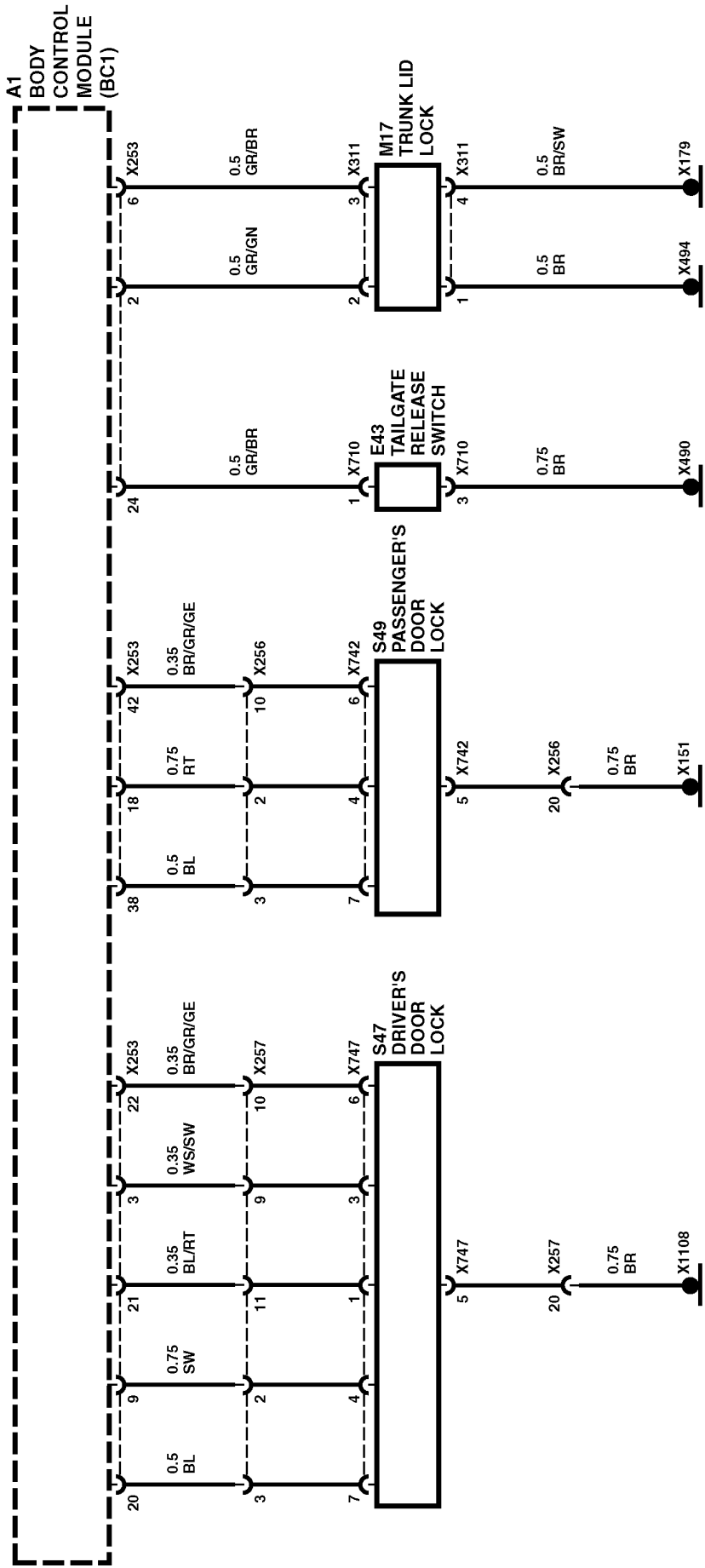
FUNCTION TEST

Upon completion of the recoding, verify that the alarm system is working correctly by going through the following action steps, after completing each step ensure that the desired result is obtained:

Action	Response
Arm the alarm system with the remote key by locking the vehicle.	The doors and rear hatch are locked at the same time. The LED will begin to start flashing
The hazard lights will flash once and the LED will start to flash quickly.	All the doors, hood and rear hatch are locked. The tilt sensor is now active and the Ultrasonic module will be active in approximately 30 seconds.
Brief acoustic signal from the emergency-current siren	The doors, hood and rear hatch are not properly closed. The tilt sensor is active and the ultrasonic module is not active.
Open the doors, hood or rear hatch	An acoustic alarm will be emitted for 30 seconds and an optical alarm will be visible for 5 minutes (depending on nation variants)
Wave your hand through an open window approximately 1 minute after the system is armed, to trip the ultrasonic module.	An acoustic alarm will be emitted for 30 seconds and an optical alarm will be visible for 5 minutes (depending on nation variants)
Test the emergency-current siren by disconnecting the car's battery once the alarm system is armed	An acoustic alarm will be emitted.
Disarm the alarm system with the remote key	All the doors, hood and rear hatch are unlocked at the same time. The LED will go out.

Circuit diagram





OWNER'S MANUAL

MINI ALARM SYSTEM



ALARM SYSTEM

The principle

The alarm system reacts if:

- A door, the engine compartment or the tailgate are opened
- There is any movement inside the vehicle
- There is a change in the vehicle's inclination, for instance if it is jacked up to remove a wheel or if it is towed away
- There is an interruption in the power supply from the battery. Depending on the national-market version of the vehicle, the alarm system indicates unauthorized entry or tampering in different ways:
 - 30-second acoustic alarm
 - Hazard warning flashers switched on for approximately five minutes


Activating and Deactivating

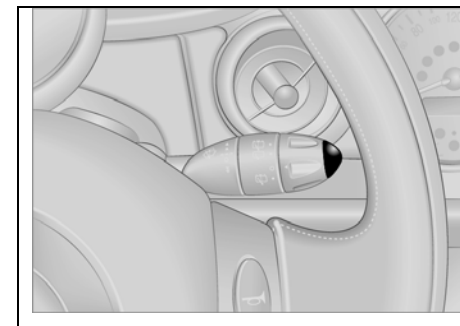
Whenever the vehicle is locked or unlocked, whether at a door lock or with the remote control, the alarm system is activated or deactivated at the same time.

NOTE: The alarm system cannot be activated if the driver's door is not

closed properly. On certain national market versions, the alarm system can only be operated from the remote control. On these cars, unlocking at the door lock triggers the alarm.

Shutting off an alarm

- Press button  on the remote control and unlock or turn the ignition key to position 1.



Indicator Light

Alarm System:

- The indicator light in the wiper control lever flashes continuously: The system is activated
- The indicator light flashes during locking:
 - Doors or luggage compartment lid are not properly closed.
 - Even if these remain unclosed, the rest of the vehicle is deadlocked and the indicator light flashes after 10 seconds. The interior movement detector, however, is not activated
 - If the indicator light goes out when the car is unlocked: No attempt was made to tamper with the vehicle during your absence.
- If the indicator light continues to flash for approx. 2 seconds after the

car has been unlocked: An attempt has been made to tamper with the vehicle.

Interior Movement Detector:

- Indicator light does not respond: Doors or tailgate are not properly closed.
- Indicator light flashes continuously:
 - The driver's/passenger's window or the glass sunroof are open.
 - The interior movement Detector is not active.
 - The alarm system is active
- The indicator light comes on for slightly longer, then flashes constantly:
 - Windows, glass sunroof or sunroof have been closed since the system was activated:
 - The interior movement detector is active.

Tilt Alarm Sensor and Interior Movement Detector

Tilt alarm sensor:

- The vehicle's angle of inclination is monitored.

The alarm responds, for example, if an attempt is made to jack up the car to remove a wheel or tow the car away.

Interior movement detector:


- Before the interior movement detector can operate correctly, the windows and glass sunroof must be closed.

Avoiding false alarms

The tilt alarm sensor and the interior movement detector can be switched off together. This precaution avoids false alarms, for example in the following situations:

- In duplex garages.
- If the car is transported on a car-carrier.
- If animals remain in the vehicle.

To switch off the tilt alarm sensor and interior movement detector

- Press button  on the remote control twice in succession.
- or
- Perform the locking movement twice with the key.

The indicator light comes on briefly, and then flashes continuously. The tilt alarm sensor and interior movement

detector are then switched off until the next time the car is unlocked and subsequently locked again.
Note: The tilt alarm sensor and the interior movement detector are switched off unintentionally if convenient closing of windows, glass sunroof or soft-top is interrupted during the first 10 seconds and then restarted. In this case the car has to be unlocked and locked a again.