



Installation Instructions

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February 2005

Audio, Alarm

Version 1.0

Accessory
Development

SUBJECT

MINI ALARM INSTALLATION KIT– P/N 65 73 0 403 439

MODEL

MINI Cooper (R50)	Vehicle Production 09/2003 – Present*
MINI Cooper S (R53)	Vehicle Production 09/2003 – Present*

**Additional required parts vary based on vehicle production. Please refer to “Parts Information” section for additional information.*

SUGGESTED INSTALLATION TIME: 0.75 HOURS

The instructions below are developed for MINI vehicles and are not be compared to any other existing instructions for vehicles other than MINI. No methods other than those specified in this document are to be used for installation in MINI vehicles. Left and right are determined from driver’s seat.

Carefully read all instructions and supplements before proceeding with the installation. Reference should be made to TIS for instructions dealing with a stock part of the vehicle but not stated in detail in these instructions.

The instructions were complete and up to date at time of publication; however, changes to the vehicle or installation may have occurred. Please report any problems or changes noted with the installation to BMW Technical Hotline, along with VIN, date of manufacture and as much detail as possible.

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

PARTS INFORMATION**Contents of Kit - P/N 65 73 0 403 439**

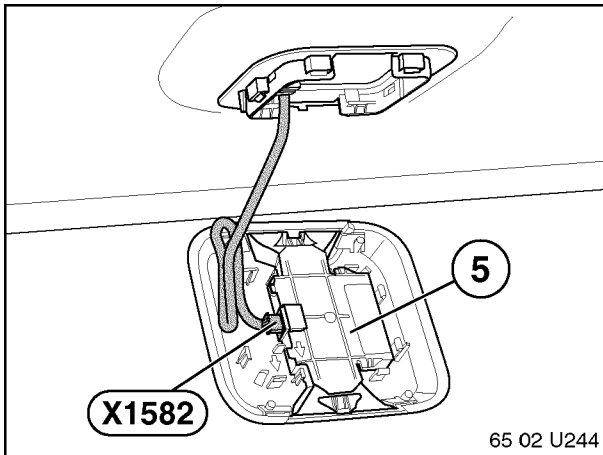
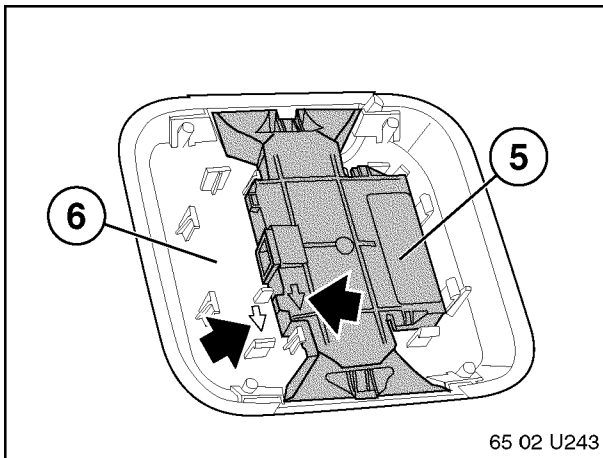
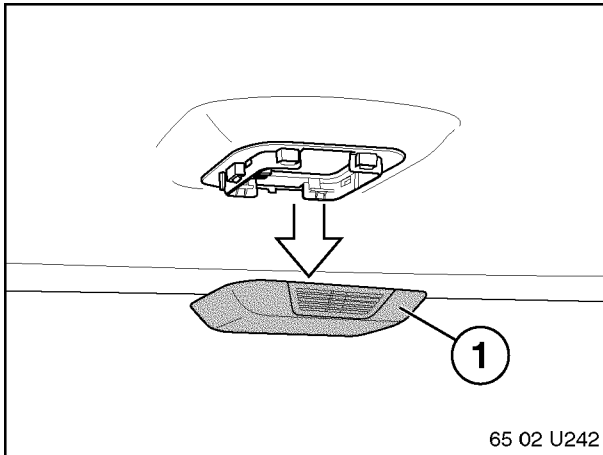
Description	Qty	MINI Part Number
Alarm Siren with Tilt Sensor	1	65 75 6 942 432
Bracket Alternate Power Siren	1	61 35 6 930 052
Ultrasonic Module	1	65 75 6 937 083
Hex Bolt with Washer (M6x12 Z1)	1	88 10 0 030 553
Hex Nut with Plate (M6)	2	11 61 0 141 114
Owner's Manual	1	N/A

ADDITIONAL REQUIRED PARTS***Vehicles manufactured 1/05 and later:***

Description	MINI Part Number
Turn signal stalk with status light	61 31 6 946 957
Turn signal stalk with status light and rain sensor (SA 521)	61 31 6 946 960
Turn signal stalk with status light and on-board computer (SA 550)	61 31 6 946 959
Turn signal stalk with status light, rain sensor (SA 521) and on-board computer (SA 550)	61 31 6 946 961

Vehicles manufactured 9/03 – 12/04:

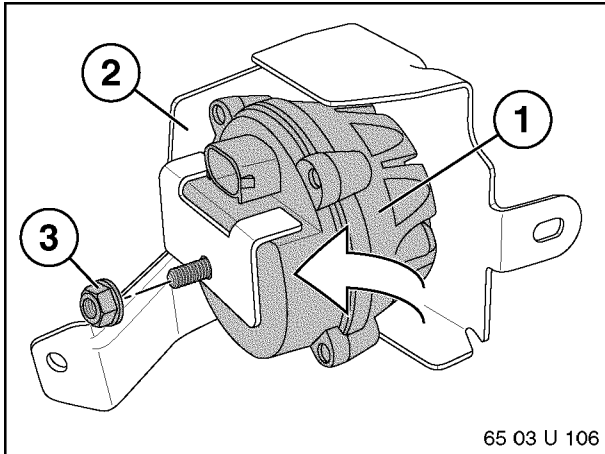
Description	MINI Part Number
Wiper stalk with status light	61 31 1 489 485

PROCEDURE:

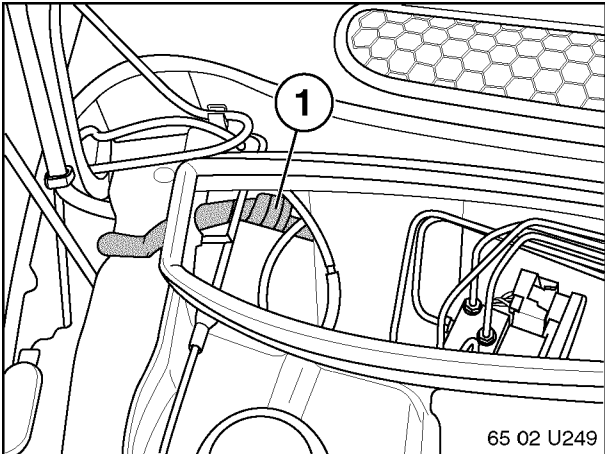
1. Disconnect battery prior to starting installation.
2. Remove cover (1) for Ultrasonic Module located above rear seat.

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

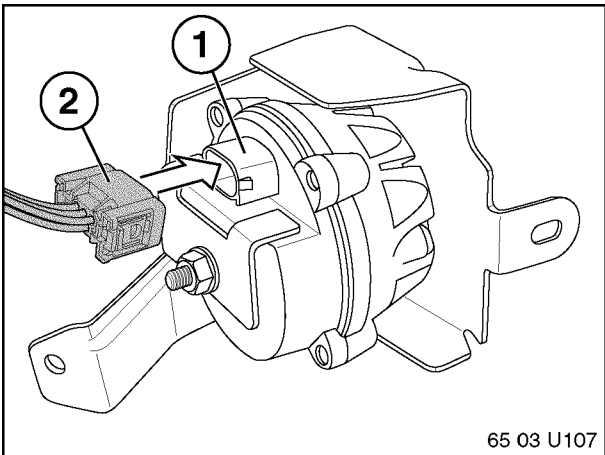
5. Connect module (5) to connector X1582.
6. Reinstall cover.



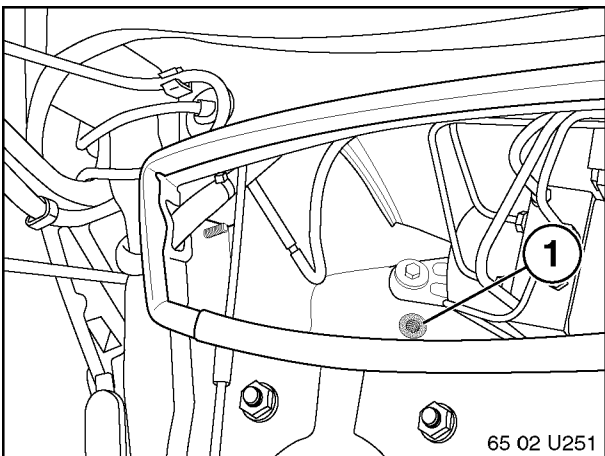
7. Attach Power Siren (1) to mounting bracket (2) using M6 nut (3).



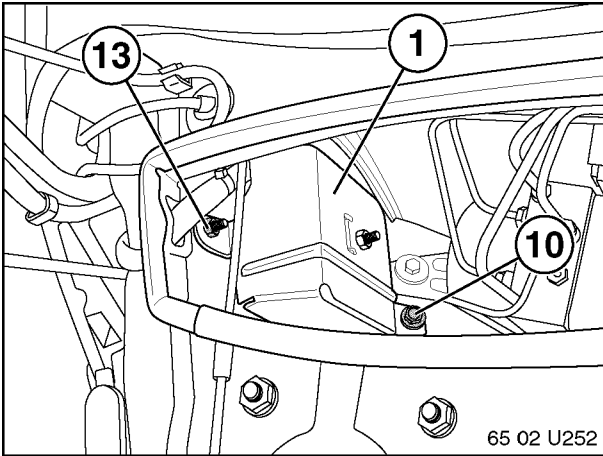
8. Locate black 4-pin connector X19562 (1) located in left rear corner of engine compartment near ABS/ASC Hydraulic module.
9. Carefully remove tape that secures connector to harness (1).



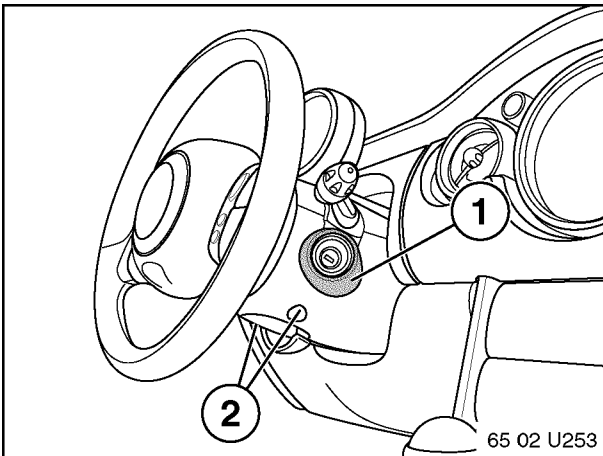
10. Connect the black 6-pin connector (2) to the siren (1).



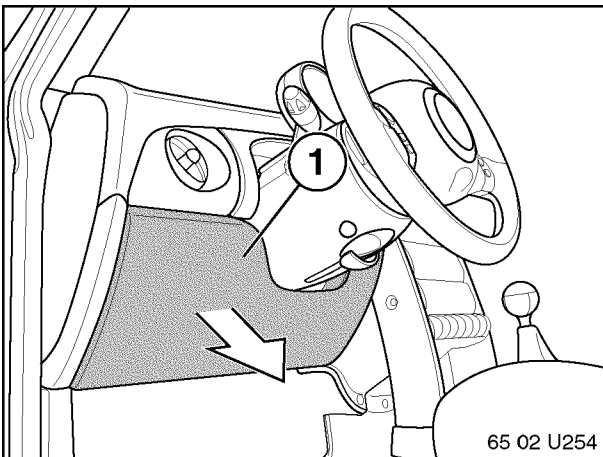
11. Remove plastic film covering mounting hole for siren bracket(1).



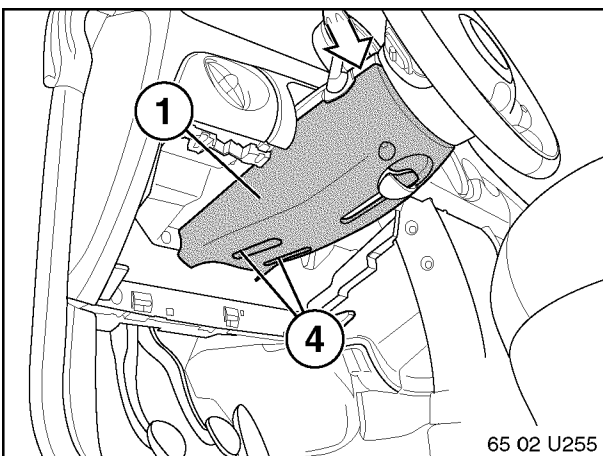
12. Secure mounting bracket and siren (1) into place using hexagonal screw M6x12 (10) and hexagonal nut (13).



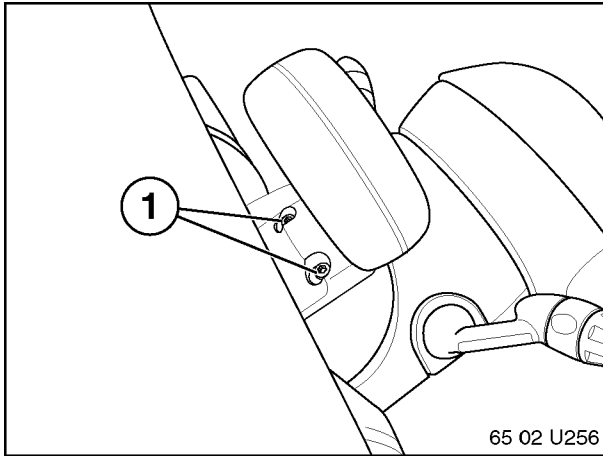
13. Remove lower section of steering column trim by removing screws (2) and ignition switch rubber trim (1).



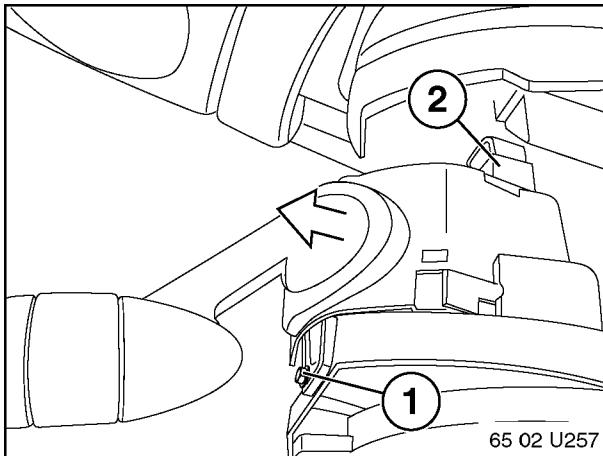
14. Remove knee bolster (1) by carefully pulling plastic cover forward.



15. Remove lower trim cover (1) by releasing retaining clips (4) and pressing where indicated by white arrow.



16. Remove two Torx screws (1) at rear of gauges.
17. Disconnect connector for gauges and remove gauge cluster.
18. Remove upper trim cover.

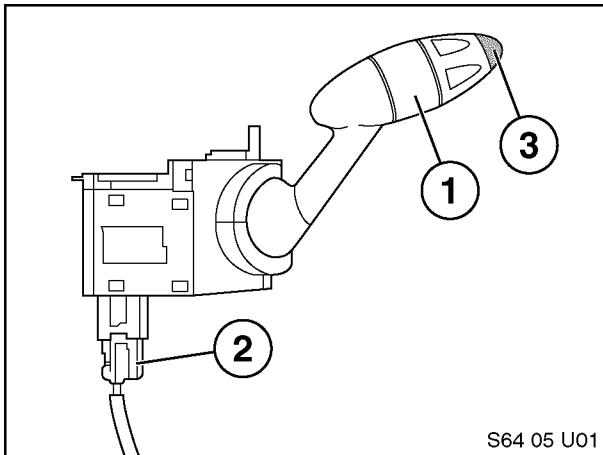


For vehicles manufactured 9/03 – 12/04:

19. Remove screw holding wiper switch (1) and disconnect electrical connector (2). Remove wiper switch from vehicle.

For vehicles manufactured 1/05 and later:

20. Remove screw holding turn signal switch (1) and disconnect electrical connector (2). Remove turn signal switch from vehicle.



For vehicles manufactured 9/03 – 12/04:

21. Install new wiper switch (1) with anti-theft indicator status light (3) and connect via connector (2).

For vehicles manufactured 1/05 and later:

22. Install new turn signal switch (1) with anti-theft indicator status light (3) and connect via connector (2).

23. Reinstall all removed components and trim covers.
24. Reconnect battery.

RETROFIT CODING

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.

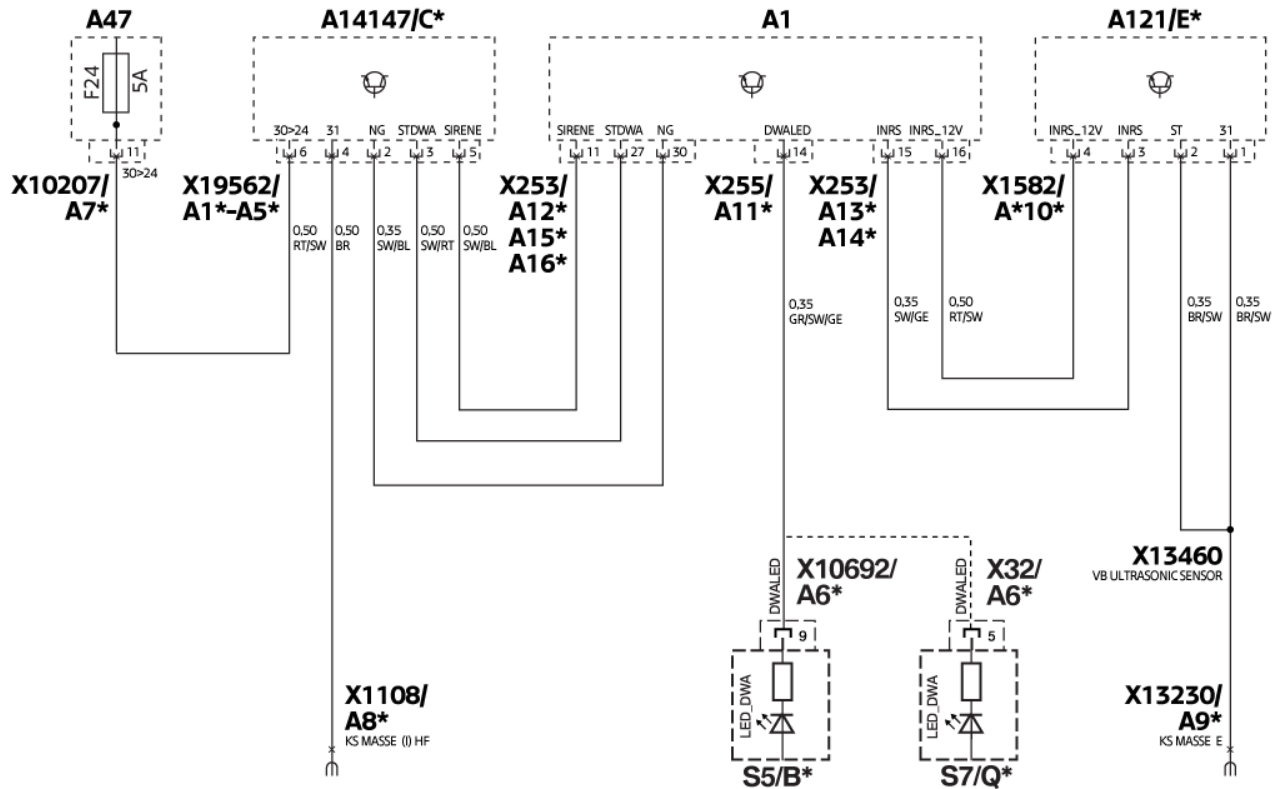
“Retrofit” re-coding steps:

- 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.

WIRING DIAGRAM

R50 1198 Z

Legend

A1	Base Module
A47	Fuse Holder
A121	Ultrasonic Module E*
A14147	Emergency-current siren C*
S5	Switch for wipers B* (cars built prior to 1/05 only)
S7	Indicator switch Q* (for cars built after 1/05 only)
X32	12-pin socket casing, SW, on indicator switch Q* ; A6* (cars built after 1/05 only)
X253	54-pin socket casing, SW, to base module A1 ; A12*-A16*
X255	54-pin socket casing, BL, to base module A1 ; A11*
X1108	Earth post (I) HF, A8*
X1582	4-pin socket casing, SW, to ultrasonic module E* ; A10*
X10207	12-pin socket casing, VI, to fuse holder A47 ; A7*
X10692	10-pin socket casing, WS, to switch for wipers B* ; A6* (cars built prior to 1/05 only)
X13230	Earth post E, A9*
X13460	Ultrasonic sensor connector
X19562	6-pin socket casing, SW, to emergency-current siren C* ; A1*-A5*

Cable Colors:

BL	Blue
BR	Brown
GE	Yellow
GR	Grey
RT	Red
SW	Black