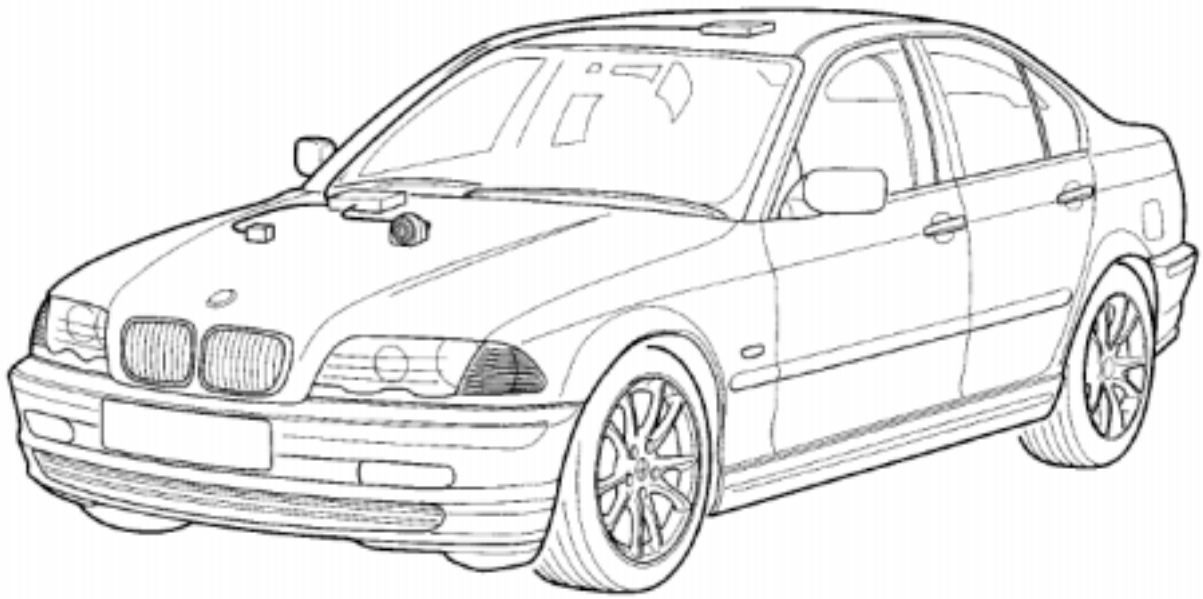
Parts and Accessories – Installation Instruction



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For BMW 3 Series Convertible (E46/C) Alarm Kit
P/N 65 60 0 027 381

BMW of North America, Inc.
Product & Service Engineering Dept.
July 2000 rev. 1

GENERAL INFORMATION

Retrofit/Installation Kit no. 65 60 0 027 381 Date 8.2000
Installation Instruction no. 01 29 0 027 382

INTRODUCTION

These installation instructions were produced to give the installation technician all necessary information to install the BMW Alarm Kit into factory pre-wired 3 Series convertible (E46/C) vehicles.

These instructions were developed by the Product and Service Engineering Department at BMW of North America, Inc. specifically for BMW vehicles and are not to be compared to any existing products for vehicles other than BMW.

These instructions were complete and up to date at time of issue. Any changes in the vehicle or problems noted by installation technician should be reported directly to the BMW Product and Service Engineering Department.

Read all instructions carefully before proceeding with this installation procedure. Instructions dealing with a stock part of the vehicle, but not given in detail should be referenced with the latest service, technical or diagnostic information provided on the DIS Tester.

Left hand (LH) and right hand (RH) referenced in these instructions are determined from the driver's seat facing forward.

REQUIRED TOOLS

Common hand tools
5mm hex socket bit
30 Torx® socket bit
5mm hex

CONTENTS

1. **Siren Mounting**

1.1 Open hood.

1.2 See Figure 1. Release (1/4 turn) the three spring loaded fasteners (1) on grill cover (2).

1.3 See Figure 1. Remove air collector (3).

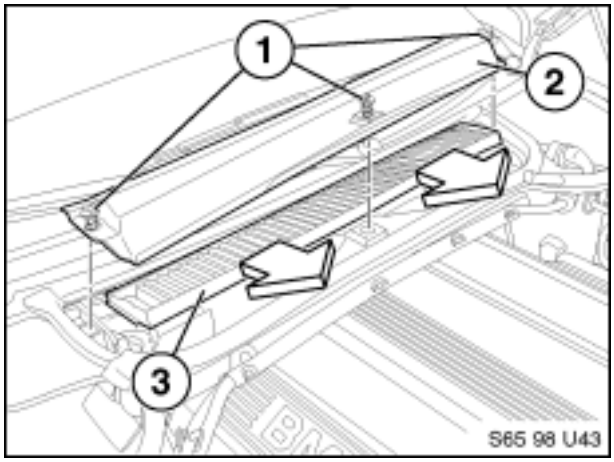

Figure 1

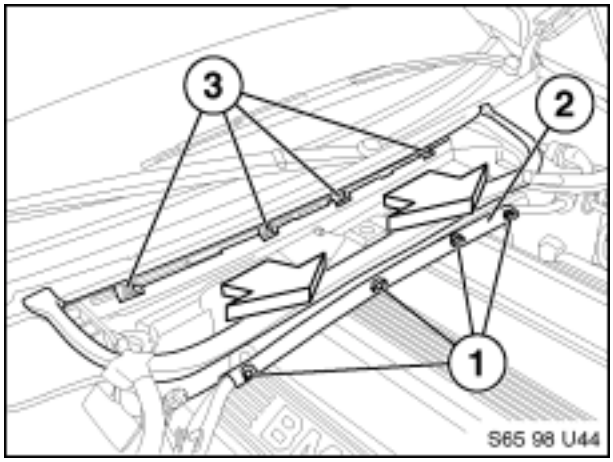

Figure 2

1.4 See Figure 2. Carefully pry up on the four upper retainers (1) and remove cable channel cover (2) from the cable channel.

1.5 Remove wire harness from the wire harness channel.

1.6 See Figure 2. Loosen the four 30 Torx® head captive bolts (3) and remove cowl panel.

1.7 See Figure 3. Loosen the two 30 Torx® head captive bolts (1) on rearward cowl panel (3).

1.8 See Figure 3. Release (1/4 turn) plastic retainer (2) and remove from rearward cowl panel. It may be necessary to carefully pull forward/push rearward on the rearward cowl panel (3) to aid in the removal of this plastic retainer.

1.9 Remove rearward cowl panel by pulling it forward away from center cowl area then grasping the RH (passenger's side) area of this panel while pivoting it upwards towards the LH (driver's) side.

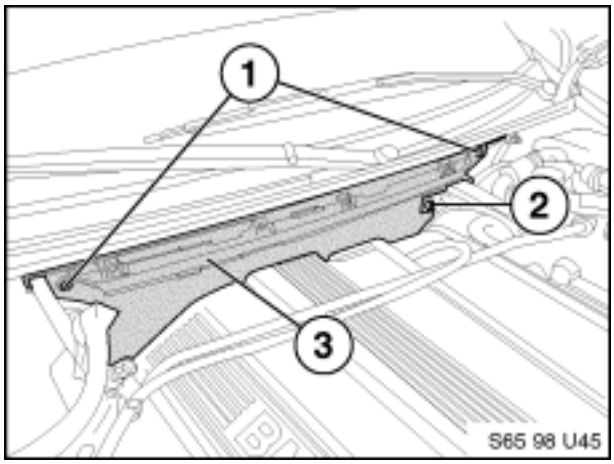

Figure 3

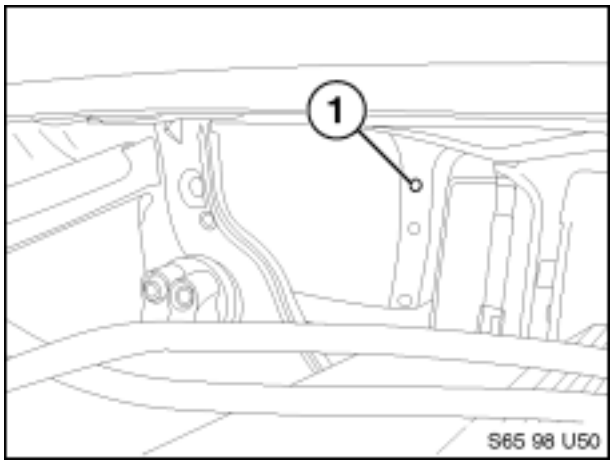

Figure 4

1.10 See Figure 4. Look into the RH (passenger's side) area of the firewall to determine if the uppermost hole (1) has a M6 threaded insert installed. If M6 threaded insert is in position, proceed to step 1.12.

1.11 See Figure 5. If there is a square hole in this location (1), install a kit supplied cage clip nut (2) in this location as shown.
Note: If cage clip nut is already in place, disregard this step and proceed to step 1.12

1.12 See Figure 6. Assemble alarm siren (2) to mounting bracket (1) using M6 nut w/captive flat washer (3).

1.13 See Figure 7. Locate (unwrap from wire harness) the 4-position alarm siren connector (2) and connect to alarm siren (1).

1.14 See Figure 7. Position alarm siren/mounting bracket assembly into mounting position utilizing the positioning tab (3) and secure alarm siren assembly in place with M6 x 16mm bolt w/captive flat washer (4).

1.15 Reassemble all displaced or previously removed items.

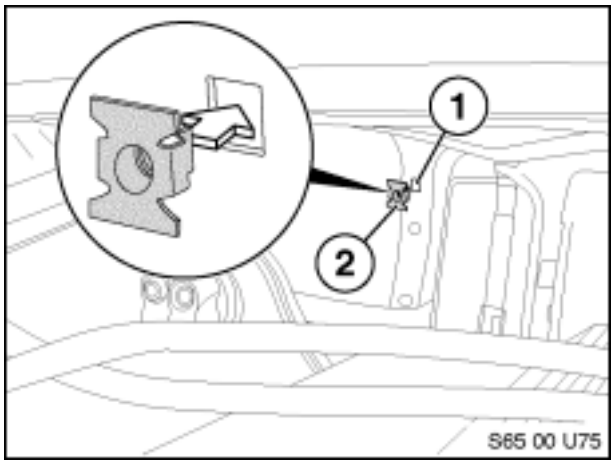

Figure 5

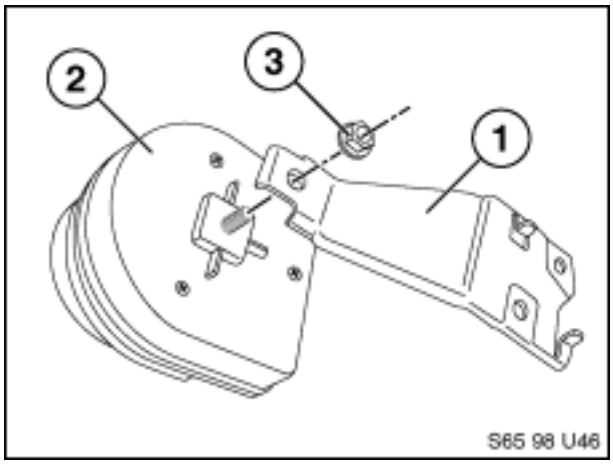

Figure 6

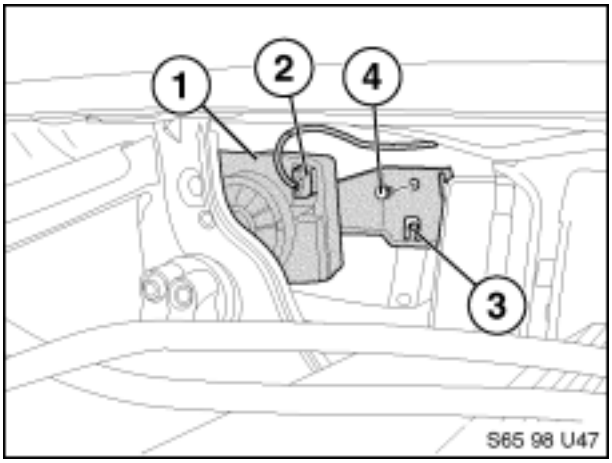

Figure 7

2. **Alarm Inclination Sensor Mounting**
Refer to Figure 8 for the following installation steps.

2.1 Remove cover end of emergency fuel filler flap release cord and let the cord pass through access hole of RH rear trunk panel.

2.2 Remove trunk trim panel retainer above RH rear wheel well area. Partially remove RH rear trunk panel enough to gain access where the two 6mm threaded holes are located (2) for mounting of alarm inclination sensor (1).

2.3 Locate 6-position black Amp connector found wrapped to wire harness in RH rear wheel well area.

2.4 Remove 6-position black Amp connector from wrapping and connect to mating connector on alarm inclination sensor.

2.5 Position inclination sensor/bracket assembly (4) over the two M6 threaded holes (2) as shown.

2.6 Use 2 each supplied M6 x 16mm hex bolts with captive washers (3) to secure inclination sensor/bracket assembly (1) in place.
Note: Make sure sensor/bracket assembly does not pinch connector wire harness.

2.7 Reassemble all displaced or previously removed items.

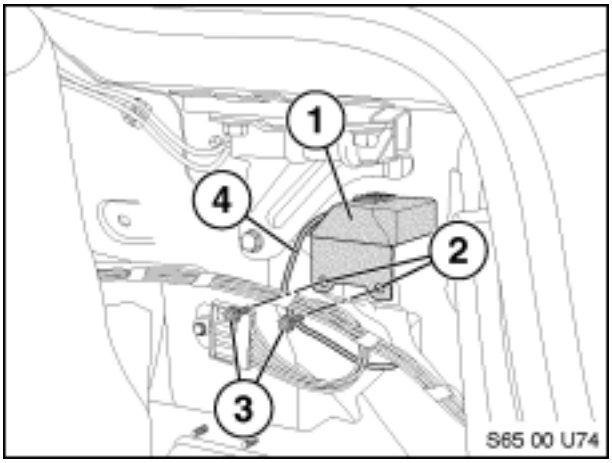

Figure 8

3 . Coding

When all of the above work has been completed, coding of the retrofit anti-theft alarm system is required with a DIS or MoDIC III Tester.

1. Connect vehicle to DIS or MoDIC III Tester.
2. Insert vehicle key into ignition and turn from position 0, pass position 1 to position 2.
3. Select “CODING/PROGRAM” selection on the right side of screen.
4. Select “3 ZCS CODING” followed by the RH green arrow. The following informational screen will appear “Coding by means of central code (ZCS) Version C__._”. Select the RH green arrow.
5. The following informational screen will appear “NOTE: ZCS encoding can be overwritten by the modifications made by the CAR/KEY MEMORY program. They can be reset if necessary” Select the RH green arrow.
6. Select “7 E46 Series” followed by the RH green arrow.
7. Select “2 Retrofit” followed by the RH green arrow.
8. Select “ Anti-theft system” followed by the RH green arrow.
9. The following informational screen will appear “Retrofit anti-theft alarm system. Refer to installation instructions from the installation set!”. Select the RH green arrow.
10. The “GM V” screen will appear. Select “2 Without steady signal” followed by the RH green arrow.
11. The “Activation/deactivation of DWA via:” screen will appear. Select “1 Remote or door locks” followed by the RH green arrow.
12. The following informational screen will appear “The anti-theft alarm is coded with emergency power siren and interior protection.” Select the RH green arrow.
13. The following informational screen will appear “GM V is recoded and the central coding key in the KOMBI is automatically altered.” Select the RH green arrow.
14. The following screen will appear “GM V Start automatic coding?” Select “Yes”.
15. The following informational screen will appear “GM V Automatic coding active! *** Please wait ***”. DO NOT MAKE ANY SELECTIONS, WAIT FOR THE FOLLOWING INFORMATIONAL SCREEN TO APPEAR. “GM V Coding has been changed! New central label required! Coding code: GM _____ SA _____ VN _____ Write or print out new central label and affix to car!”.
16. Place a blank label into the DIS Tester label printer (arrows on the label should face into the label printer opening). When the blank label is fully inserted into the label printer, select the downwards facing Green arrow. **Note: If using a MoDIC III Tester, neatly record coding code GM, SA and VN information with a ball point pen on a self-adhesive label.**
17. The following screen will appear “Coding code for printout stored Coding complete! Turn ignition off. Wait for 10 seconds. Turn ignition on again and carry out functional check”.
18. Follow the screen instruction by turning ignition key off. Wait for 10 seconds (minimum) and turn ignition key on to position 2 again.
19. Turn ignition key off and remove key from ignition.
20. Close all doors and perform operational check of anti-theft alarm system. Upon activation of alarm system, the red LED on rearview mirror will flash rapidly for approximately 20 times followed by a flash every three seconds. This is normal operation with the installation of the alarm siren and tilt sensor items.
21. Remove the E-box cover and affix the coding code label on inside of E-box cover.
22. Reinstall the E-box cover.

NOTE: Failure to perform the Central Coding Key (ZCS) coding procedure will render anti-theft alarm system inoperative.