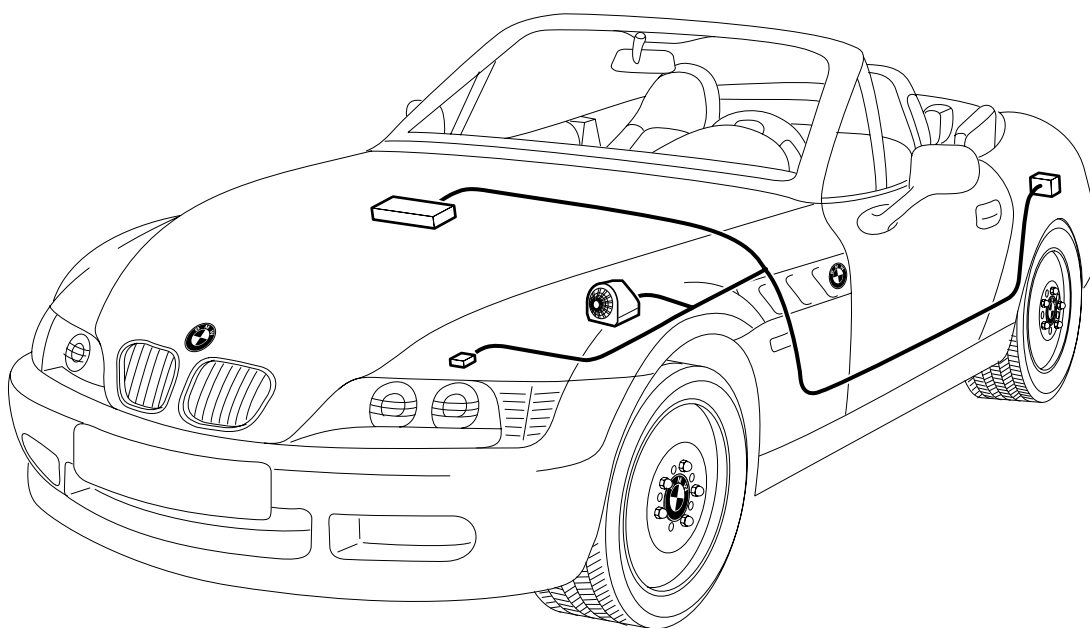




BMW Parts and Accessories Installation Instructions



F 36 62 294 R

Alarm Kit Installation Instructions for BMW Z3 roadster and Z3 coupe (E 36/7) with DWA Beginning February 2001

Note: These installation instructions do not apply to M roadster and M coupe vehicles.

KIT P/N 01 29 0 139 325

Installation Instructions P/N 65 60 0 139 324

BMW of North America, LLC
Product & Service Engineering Dept.
February 2001
GENERAL INFORMATION

INTRODUCTION

These installation instructions were produced to give the installation technician all necessary information to install the BMW Alarm Kit into factory pre-wired Z3 roadster and Z3 coupe (E36/7) vehicles with DWA beginning with February 2001 production date. These installation instructions do not apply to M roadster and M coupe 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

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1. Alarm Installation

- 1.1 Open hood.
- 1.2 See Figure 1 Carefully pry up plastic tubing at the two retainers (2) as shown.
- 1.3 See Figure 1 Remove the two M6 nut with oversized captive flat washer (1) as shown.
- 1.4 See Figure 1 Remove hose from plastic clip (3) as shown.
- 1.5 See Figure 2 Carefully pull up on coolant reservoir assembly and position towards the engine to gain access to siren mounting bracket (1).

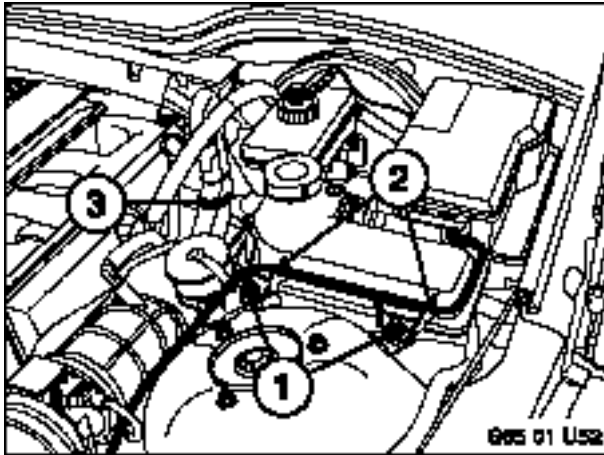


Figure 1

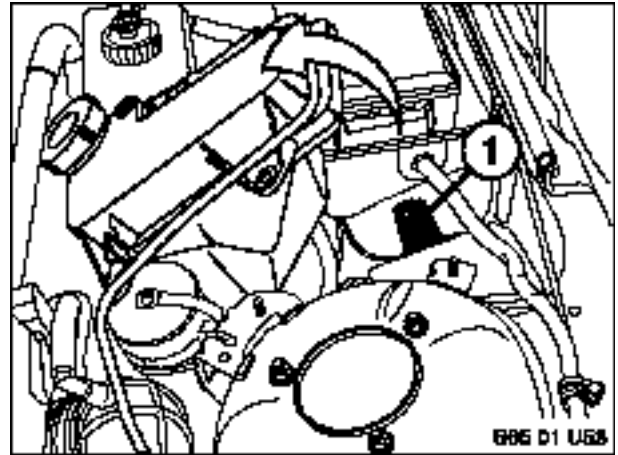


Figure 2

- 1.6 See Figure 3. Locate (may require unwrapping from harness) the 4-position alarm siren connector (2) and locate alarm siren mounting bracket (1) as shown.
- 1.7 See Figure 4. Partially install (two complete turns is sufficient) M6 nut with captive flat washer (1) to M6 threaded stud on alarm siren (2) as shown.)

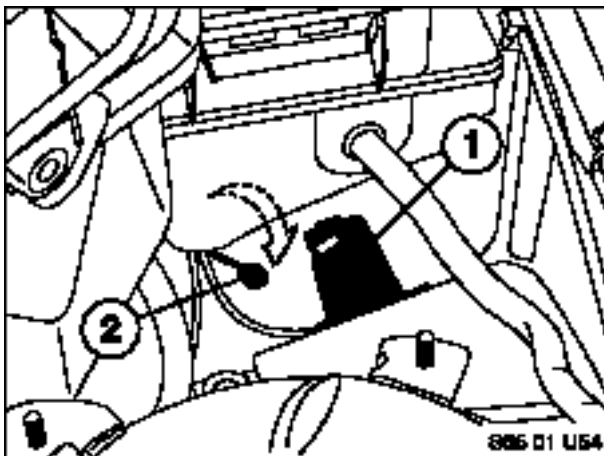


Figure 3

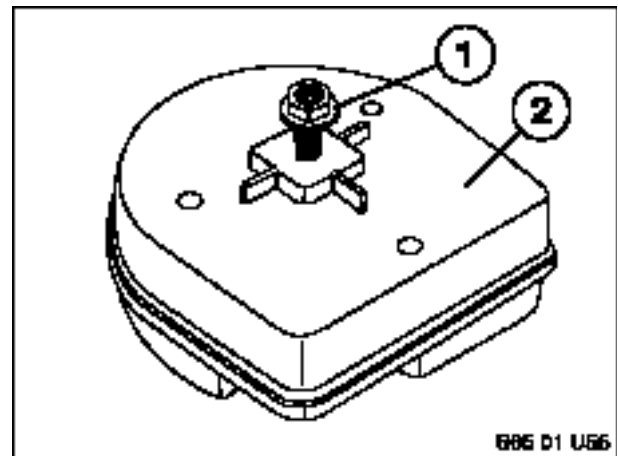


Figure 4

- 1.8 See Figure 5. Position alarm siren (2) to mounting bracket (4) as shown.
- 1.9 See Figure 5. Secure alarm siren (2) to bracket (4) with M6 nut with captive flat washer (3).

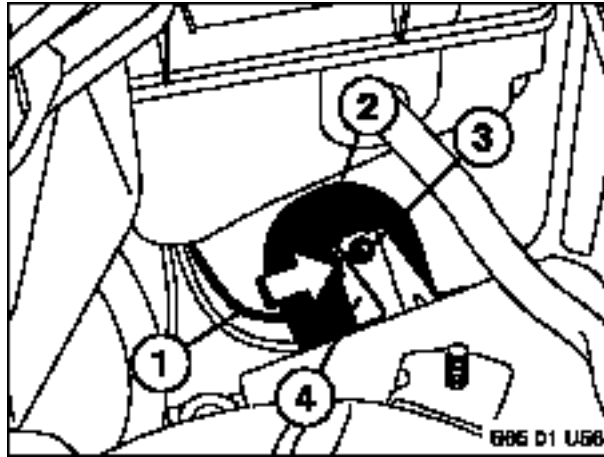


Figure 5

1.10 See Figure 5. Connect 4-position alarm siren connector (1) to alarm siren (2).

1.11 Reassemble all previously displaced or removed items.

2. Alarm Inclination Sensor Installation

2.1 Open trunk and remove trunk mat.

2.2 Remove LH trunk trim panel to gain access into LH rear well area.

2.3 See Figure 6. Locate and unwrap 6-position inclination sensor connector (2).

2.4 See Figure 7. Partially install (one complete turn is sufficient) M6x12mm hex head bolt with captive flat washer (1) into each M6 threaded openings (see arrows) on sensor/bracket assembly (2).

2.5 See Figure 6. Locate vehicle body bracket (1) for mounting of inclination sensor/bracket assembly.

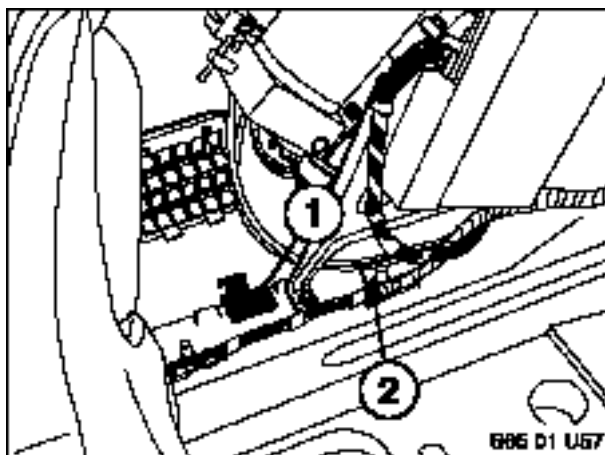


Figure 6

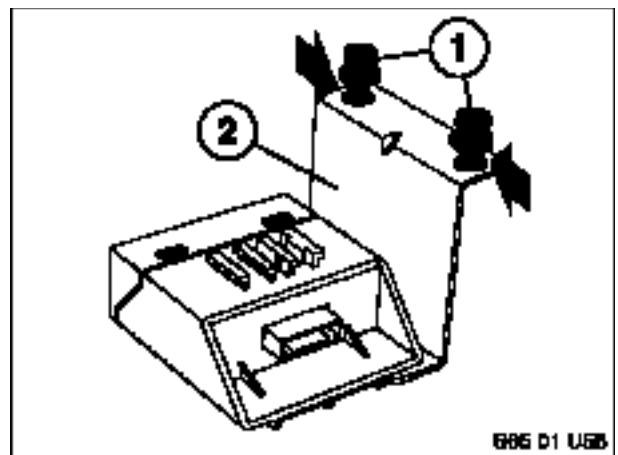


Figure 7

2.6 See Figure 8. Connect 6-position connector (1) to inclination sensor (2).

2.7 See Figure 8. Install sensor/bracket assembly (2) to vehicle body bracket (3) as shown.

Note: Make sure flat washers of M6 hex bolts (4) are above vehicle body bracket (3).

- 2.8 See Figure 8. Secure sensor/bracket assembly (2) to vehicle body bracket (3) with pair of M6 hex head bolts with captive flat washer (4).

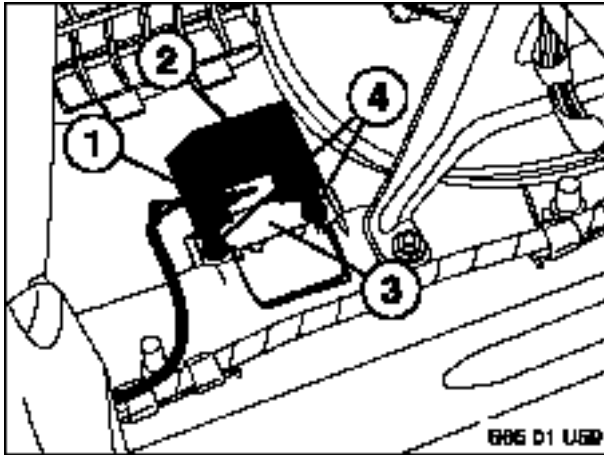


Figure 8

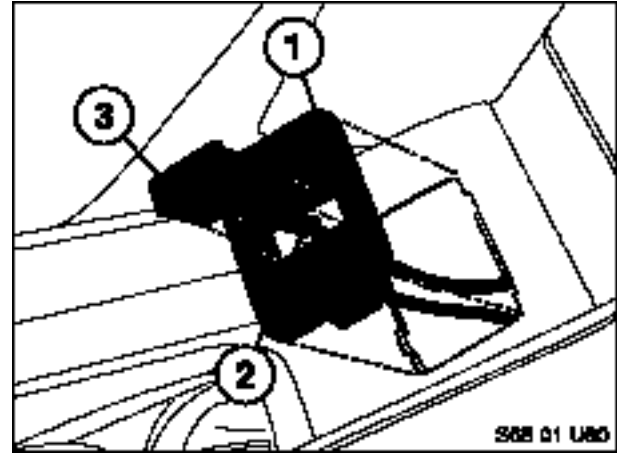


Figure 9

- 2.9 Reassemble all previously displaced or removed items.

3. Alarm LED Indicator Installation

Refer to Figure 9 for the following installation steps

- 3.1 Remove rear control panel bezel (1) from center console. Remove and/or disconnect any controls and hardware as necessary.
- 3.2 Locate (may require unwrapping from harness) 4-position LED connector (2).
- 3.3 Route LED indicator (3) through center opening of control panel bezel (1) as shown.
- 3.4 Connect 4-position connector (2) into LED indicator (3).
- 3.5 Mount LED indicator (3) into center opening of control panel bezel (1).
- 3.6 Reassemble all previously displaced or removed items

4. Code alarm system from coding software version 28.0

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 "4 E36 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.

IMPORTANT NOTES:

This alarm kit does not offer interior protection as may be implied in step 12 above.

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

4.1 Code alarm system up to coding software version 27.0

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.
2. Set ignition key from position 0 to position 2.
3. Select coding key for manual change.

Note

The GM and VN codes may not be changed when the re-coding is done. The last character and the fifth character from the right should be changed in the SA code.

4. Change SA code as follows:

Example original SA code 00004022A2A0**1**CD8**2**

At the fifth character which is **1**, you have to add 4 which means changing the character to **5**.

Selection table for changing the fifth from the last character of the SA code (+4)

Original character	Changed character	Original character	Changed character	Original character	Changed character
0	4	6	remains 6	C	remains C
1	5	7	remains 7	D	remains D
2	6	8	C	E	remains E
3	7	9	D	F	remains F
4	remains 4	A	E		
5	remains 5	B	F		

At the last character, which is **2**, you have to add 12 which means changing the character to **E**.

Selection table for changing the last character of the SA code (+12)

Original character	Changed character	Original character	Changed character	Original character	Changed character
0	C	C	O	O	0
1	D	D	P	P	1
2	E	E	Q	Q	2
3	F	F	R	R	3
4	G	G	S	S	4
5	H	H	T	T	5
6	I	I	U	U	6
7	J	J	V	V	7
8	K	K	W	W	8
9	L	L	X	X	9
A	M	M	Y	Y	A
B	N		Z	Z	B

Example SA code after change has been made 00004022A2A0**5**CD8**E**

5. When coding has been done, print out coding label and attach it to the vehicle.
6. Set ignition key from position 2 to position 0 and wait 10 seconds.
7. Carry out function test of the alarm system.

**5. Alarm Kit Parts List for Z3 roadster and Z3 coupe (E 36/7)
with DWA Beginning February 2001 build**

Part Number	Part Description	Quantity
65 75 8 383 152	Siren	01
11 61 1 708 413	M6 hex nut	01
65 75 8 380 746	Inclination sensor	01
07 11 9 915 017	M6x12mm hex bolt with washer	02
65 75 8 357 417	LED (control lamp)	01