



Installation Instructions

Electronics, Portable Navigation

Ver 1.0

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April 2008

Accessory
Development

SUBJECT

**PORTABLE NAVIGATION RETROFIT (US) - P/N 65 90 0 440 086
P/N 65 90 0 440 088**

MODEL

1 Series (E82/E88): Vehicle Production 12/07-On*

**Not for vehicles with optional navigation (SA609).*

SUGGESTED INSTALLATION TIME: 1.0 HOURS

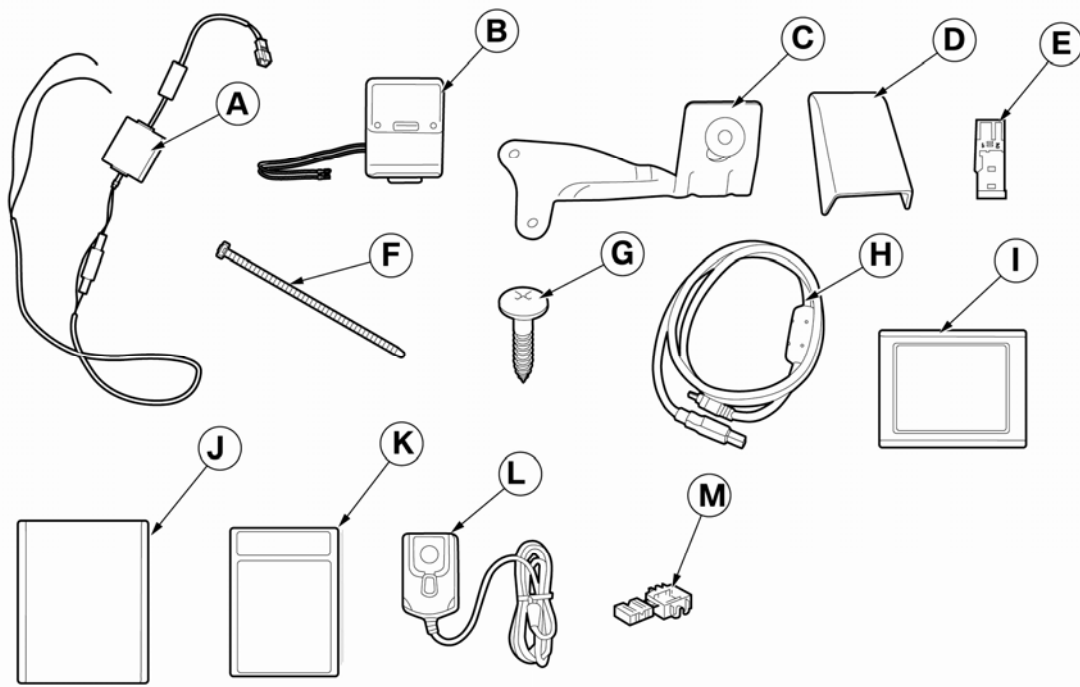
Total installation time may vary depending on vehicle options and equipment.

The instructions below are developed for BMW vehicles and are not to be compared to any other existing instructions for vehicles other than BMW. No methods other than those specified in this document are to be used for installation in BMW vehicles. Left and right are determined from the 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 ★ ★



082 021 US

PARTS INFORMATION

Contents of Kit - P/N 65 90 0 440 086

Ref.	Description	Qty	BMW Part Number
A	Wiring Harness*	1	N/A
B	Mount*	1	N/A
D	Mount cover*	1	N/A
E	2pin socket housing*	1	N/A
F	Cable Tie*	5	N/A
G	Mounting screw*	2	N/A
H	USB cable	1	N/A
I	nuvi 360	1	N/A
J	Cover	1	N/A
K	nuvi carrying case	1	65 90 0 432 580
L	Wall Charger	1	65 90 0 432 315

*Also included in nuvi installation kit 65 90 0 440 088

ADDITIONAL REQUIRED PARTS

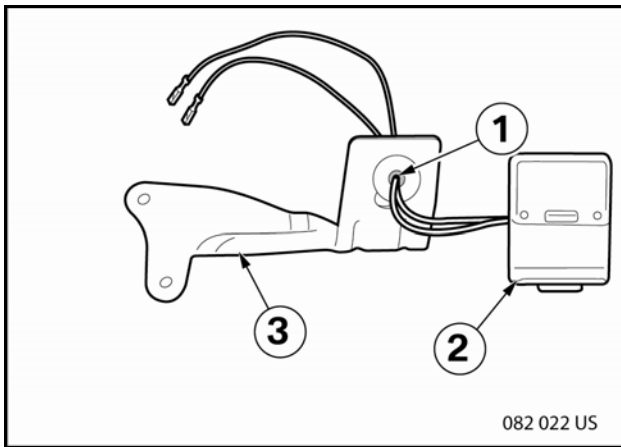
Ref.	Description	Qty	BMW Part Number
C	Base Plate	1	65 90 0 442 224
M	Miniature connectors (not supplied)	2	61 13 8 364 566

WARRANTY PARTS

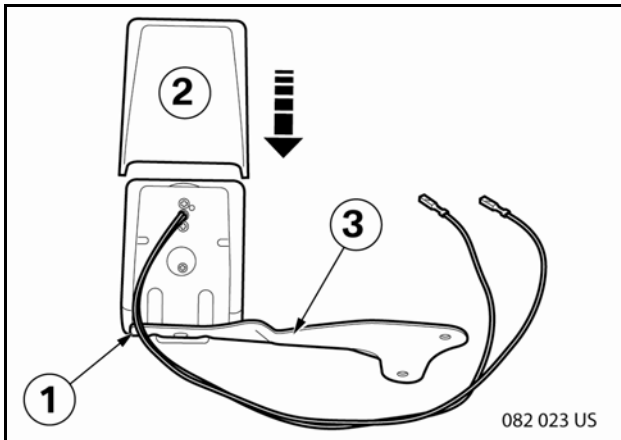
Description	BMW Part Number
nuvi 360 warranty replacement head unit	65 90 0 429 402

Preparation**Disconnect vehicle battery****Remove the following components as per TIS:**

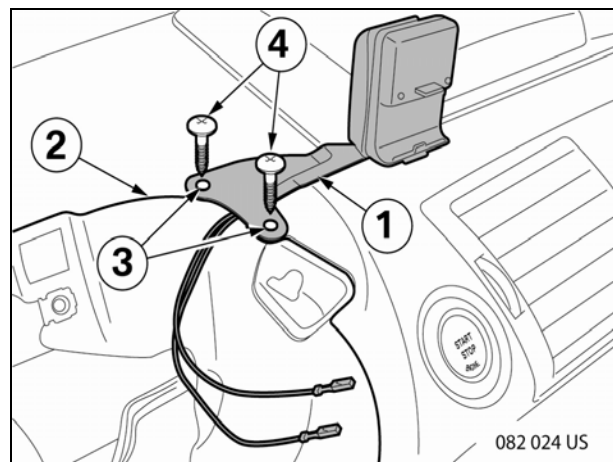
- Instrument Cluster
- Instrument Cluster Trim
- Driver side lower dash panel

Procedure

1. Route wires (1) from cradle (2) through hole in the mounting bracket (3)
2. Snap mounting cradle (2) onto the ball of the mounting bracket (3).

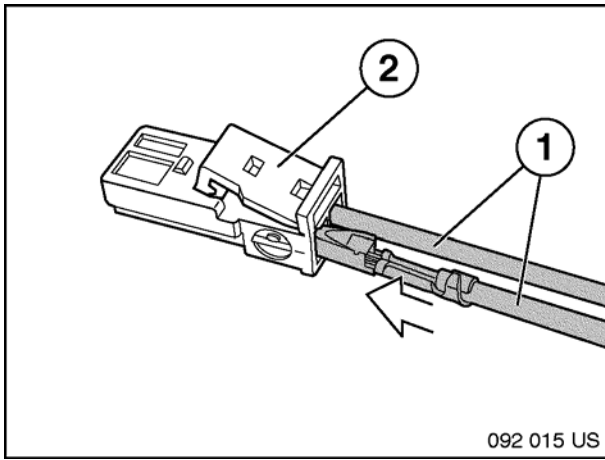


3. Route wires (1) in the cut-out portion of the mounting bracket (3). Slide cover (2) onto mounting bracket (3).



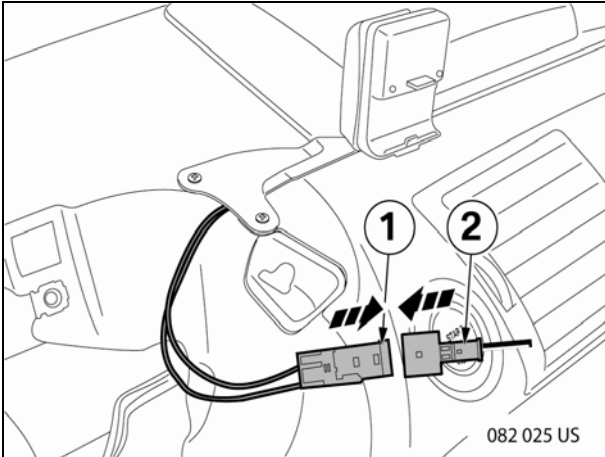
4. With the instrument cluster, and trim removed, position mounting bracket (1) flush to the edge of the dash cutout (2). Drill mounting holes (3) using a 3mm drill bit. Secure mounting bracket with supplied Phillips head screws (4).

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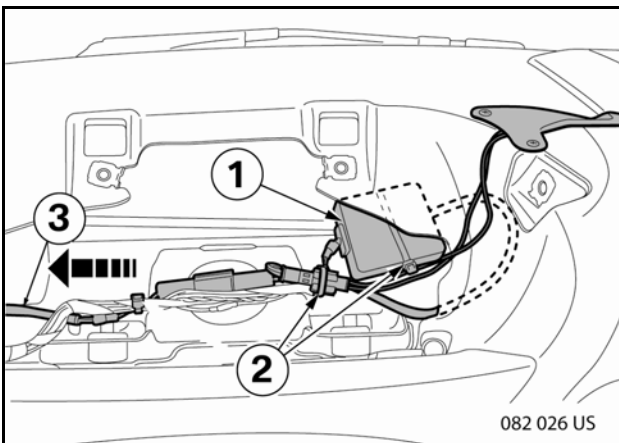


5. Insert power wires (1) from cradle, into supplied two pin connector (2), as follows:

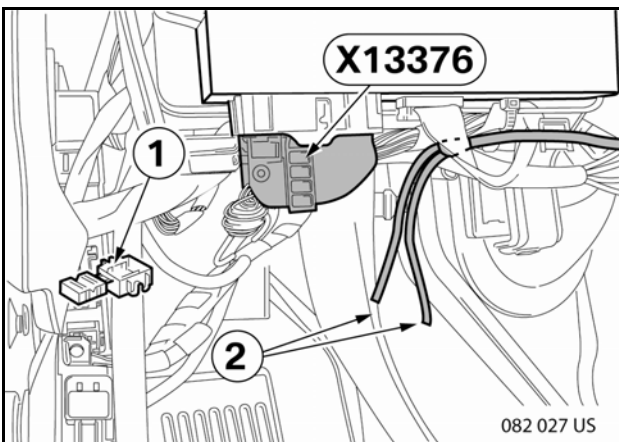
Pin 1 - Red Wire
Pin 2 - Black Wire



6. Connect the two pin connector (1) to the matching end of the navi wiring harness (2).

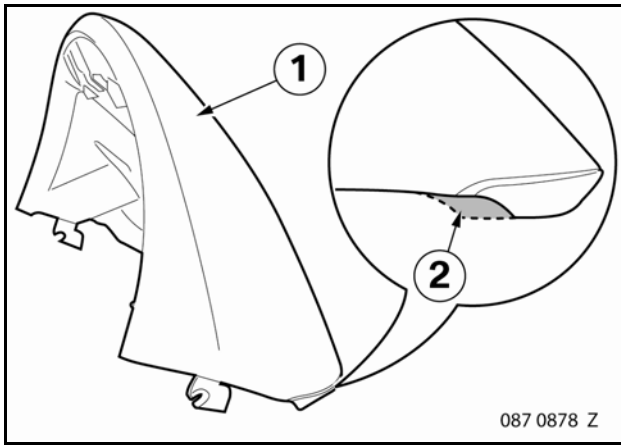


7. Secure power converter box (1) behind dash with cable ties (2). Route wire harness (3) to CAS control module in lower dash area.



8. Remove plug **X13376** from CAS module.
9. Remove lock housing from connector.
10. Identify pin locations 8 (KL-R) and Pin 25 (KL 31) of connector **X13376**
11. Use miniature connectors (1) to connect the power and ground wires (2) of the navi harness to the wires of the factory harness leading to connector **X13376** as follows:
 - Black wire of navi → wire of Pin 25
 - Red wire of navi → wire of Pin 8

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12. On the instrument cluster trim (1) remove 45mm (4.50cm) from the shaded area (2) to allow clearance for the mounting bracket.

RETROFIT CODING

There is no retrofit coding required for this installation.

TROUBLE SHOOTING

Issue	Solution
nuvi unit does not power OFF when vehicle ignition is OFF.	• Check portable navi wiring harness connections to CAS connector X13376 wires. Ensure that correct wires from Pin 8 and Pin 25 of connector X13376 are being used. (see Step 11) • nuvi unit can be quickly powered OFF by: - Removing nuvi from mount. - Pressing Power button on nuvi