

THE COMPLETE INSTALLATION KIT BMW

CTKBM08



PLEASE NOTE
SOME TRIMMING IS NEEDED TO HIDDEN AREAS
BEHIND THE DASH TO FIT YOUR NEW STEREO
USING THIS KIT



This Kit Contains:

- Black Double DIN Fascia Panel
- CAN-Bus Steering Wheel Control Interface
- Fakra Antenna Adapter
- Extension Harness
- Universal Patch Lead

www.connects2.com



The CTKBM08 Complete Installation Kit from Connects2 allows for the installation of a double DIN aftermarket stereo whilst retaining the vehicle's antenna connection, steering wheel control functions, factory phone buttons for call pick-up and hang-up, OEM parking sensor audio and warning tones (eg. oil/washer fluid level, door open, seat belt etc)

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APPLICATION

BMW

1 Series (E81/E82/E87/E88) 2007 - 2013

(For non-amplified vehicles with automatic A/C and Quadlock connector, without Navigation/iDrive)

PRIOR TO INSTALLATION

Read the manual prior to installation. Technical knowledge is necessary for installation. The place of installation must be free of moisture and away from heat sources. Please ensure that the correct tools are using during the installation to avoid damage to the vehicle or product. **Connects2 can not be held responsible for the installation of this product.**

Please be aware that some cutting of the plastic parts behind the dashboard will be required in order to install this kit.

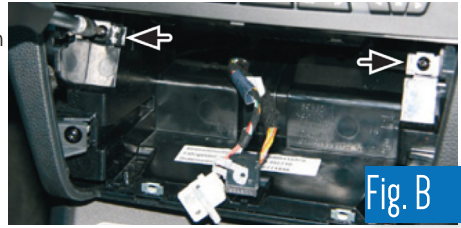
Need help? If when you read these instructions or at any point during installation you need help, Halfords 'weFit' service is here for you. Please contact your local store for details

PREPARATION

1 Firstly use a Panel Removal Tool to unclip and remove the middle trim piece from the dashboard (**Fig. A**).

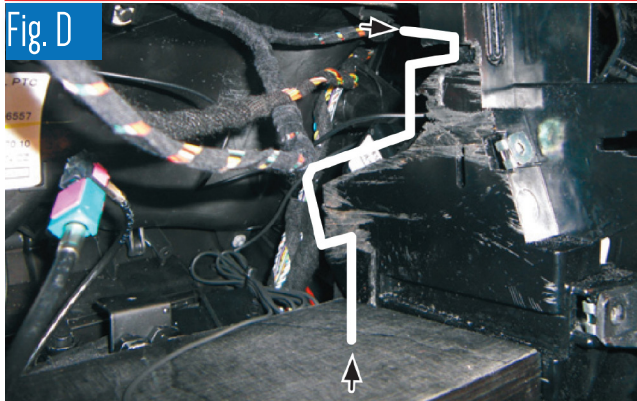
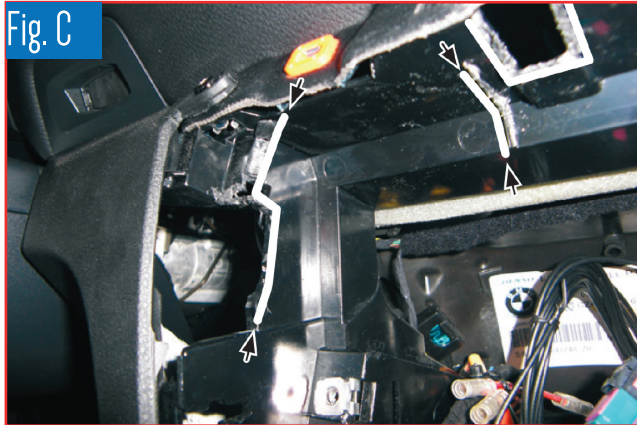


- 2** Then pull out the air conditioning control unit and disconnect the ribbon cable. Remove the screws below the factory stereo and remove the stereo (**Fig. B**).



NB: Keep any clips, screws and parts from the disassembly process for potential reuse when fitting.

- 3** To make space for the Double DIN aftermarket stereo, an area needs to be cut away from the interior of the dashboard as shown below. See **Fig C, D** for an illustration of the areas removed after the cutting has been completed. We recommend contacting your local Halfords dealership if you require help or additional information.



Progress to "Kit Assembly - Preliminary"

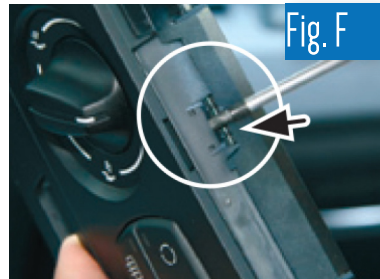


KIT ASSEMBLY - PRELIMINARY

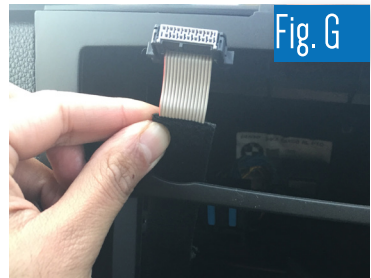
- 4** For vehicles with a switch panel located below the factory climate control unit (**Fig. E**), unclip and remove the switch panel from the unit and attach it to the new fascia panel. For vehicles without the switch panel, insert the included blanking panel into the fascia panel instead.



- 5** Remove the air conditioning unit from its casing using a screwdriver to push down the clips (**Fig. F**). Insert the unit into the Double DIN fascia panel.



- 6** Feed the included ribbon connector up and re-establish the connection between the air conditioning control unit situated in the top opening of the fascia panel, and the switch bar, situated in the bottom opening of the fascia panel (**Fig. G**). This step can be ignored if the vehicle does not have a factory switch panel.



- 7** Screw the included brackets onto the right and left hand sides of the Double DIN stereo with the six (6) screws included in the kit (**Fig. H**). The stereo is now ready to be installed into the dashboard.



Progress to "Preparing the Patch Lead"

PREPARING THE PATCH LEAD

To correctly configure the interface for installation, the included patch lead (CTMULTILEAD.2) must be set according to the below information, in relation to the type of aftermarket stereo being installed in the vehicle.

See the diagram below for examples of which loops to cut and which connector type to use for all main brands of aftermarket stereo

Configuration Assignments (1=Link made, 0=No Link)

J1	J2	J3	Systems	Connector
1	0	0	JVC	Jack/Key1
0	1	0	BEAT/Philips/Nakamichi	Key1
1	1	0	Clarion	Jack
0	0	1	Kenwood	Key1
1	0	1	Alpine	Jack
0	1	1	Panasonic	Key1
1	1	1	Sony/LG/Pioneer	Jack
1 (Pin12)	1 (Pin10)	0	Zenec	Key1
1	1	1	Chinese Learning Brands	Key1, Key2, GND

Pin Configuration

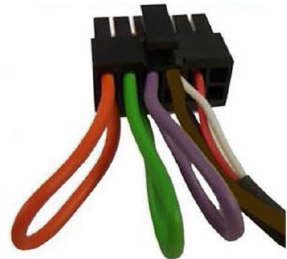
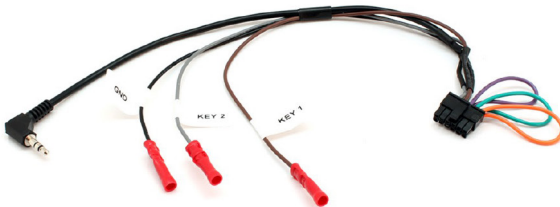
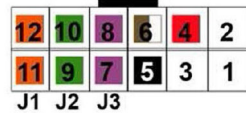
Pin 1	Description
1	Reserved
2	Reserved
3	Reserved
4	Analog 2 Swc
5	GND Swc
6	Analog 1 Swc
7	Link J3
8	Link J3
9	Link J2
10	Link J2
11	Link J1
12	Link J1

Here are some Examples of how to make various patch Leads:

Example 1: Alpine - Remove Link J2 then use the Jack connector into radio.

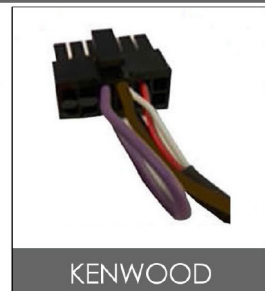
Example 2: Kenwood - Remove Link J1 and J2, use the wire connector to Radio.

Example 3: Zenec - Remove Link J3, Cut Orange and Green then solder top row (Pin 12 & 10) together and insulate. Use the Wire connector to Radio.



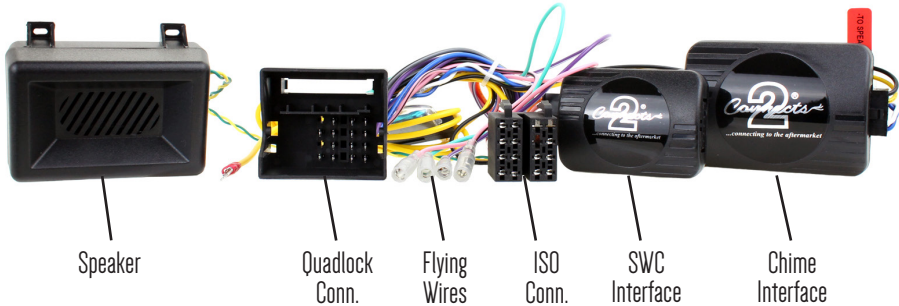
NB: When cutting loops on the CTMULTILEAD.2, please ensure that the bare wire ends are insulated

Examples:



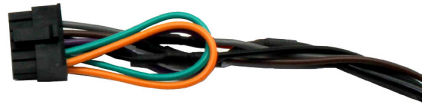
INSTALLING THE STEERING WHEEL CONTROL INTERFACE

The steering wheel control functions of the original vehicle - which are lost during removal of the factory system - can be retained through the correct installation of the interface included in this kit. Please read these instructions carefully to ensure that your system will work well following the installation.



8

Connect the 12 Pin black connector of the stereo patch lead to the interface.



9

Connect the opposite end of the stereo patch lead to the stereo steering wheel control input on the back of the new stereo

NB: This may be a 3.5mm jack plug or a wire input depending upon the stereo brand being fitted. Please see the stereo installation manual for further information on where to connect.

IMPORTANT

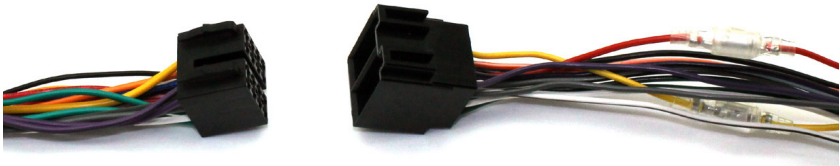
This step must be completed before connecting power to the interface. Failure to do so may result in no steering wheel control function.



10 Connect the 14 Pin black connector of the main wiring loom to the interface

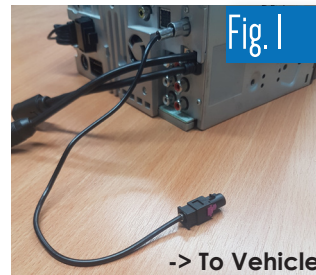


11 Connect the male power/speaker ISO harness to the female power/speaker ISO harness from the aftermarket stereo. For aftermarket stereos without an ISO connector and for connecting optional inputs, please refer to "Wiring Colour Codes" below.



12 Make the relevant connections to the Chime Interface and Speaker to retain factory vehicle warning chimes,

13 Connect the included Antenna Adapter to the vehicle and the aftermarket stereo (Fig. 1).



WIRING COLOUR CODES

PURPLE	RIGHT REAR SPEAKER +	YELLOW	12V PERMANENT
PURPLE/BLACK	RIGHT REAR SPEAKER -	BLACK	GROUND
GREEN	LEFT REAR SPEAKER +	RED	12V IGNITION
GREEN/BLACK	LEFT REAR SPEAKER -	PINK	SPEED PULSE
GREY	RIGHT FRONT SPEAKER +	GREEN	PARK BRAKE
GREY/BLACK	RIGHT FRONT SPEAKER -	PURPLE/WHITE	REVERSE GEAR
WHITE	LEFT FRONT SPEAKER +		
WHITE/BLACK	LEFT FRONT SPEAKER -		

SWC CONFIGURATION

ORIGINAL BUTTON FUNCTION

PLUS ICON	VOLUME +
MINUS ICON	VOLUME -
SPEECH	MUTE
PHONE	PICK UP (SHORT PRESS) / HANG UP (LONG PRESS)
DISC ICON	SOURCE
UP ARROW	TRACK +
DOWN ARROW	TRACK -

Progress to “Kit Assembly - Final Installation”



KIT ASSEMBLY - INSTALLATION

NB: Temporarily rest the stereo inside the dashboard and test functions (eg. radio reception etc) before pushing the stereo into place to complete fitting

- 14** Place the new stereo and bracket assembly into the dashboard, and screw it in place using the screws removed during disassembly
- 15** Place the new Double DIN fascia panel around the new stereo until it sits flush in the dashboard (**Fig. J**).
- 16** Reassemble all dashboard components in the reverse order of disassembly to complete your installation of this kit

