

## Switcher PCB Installation in Mercedes Benz W164 US



### Supported car models

**US ML (W164) 2006 - 2008**

**US R (V251) 2006~**

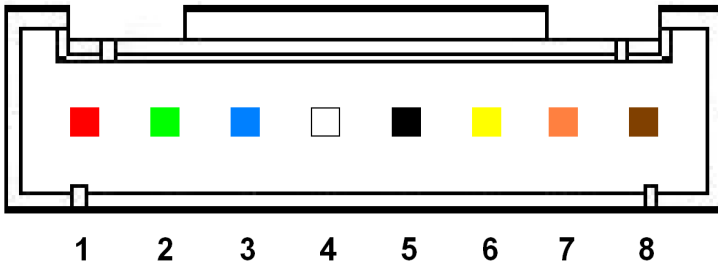
**US GL (X164) 2007 - 2008**

**US C (W203) 2005~**

**US B (W245) 2005~**

## Additional cable pinout (shown from the side where wires are connected)

8-pin Connector. Wire side view.

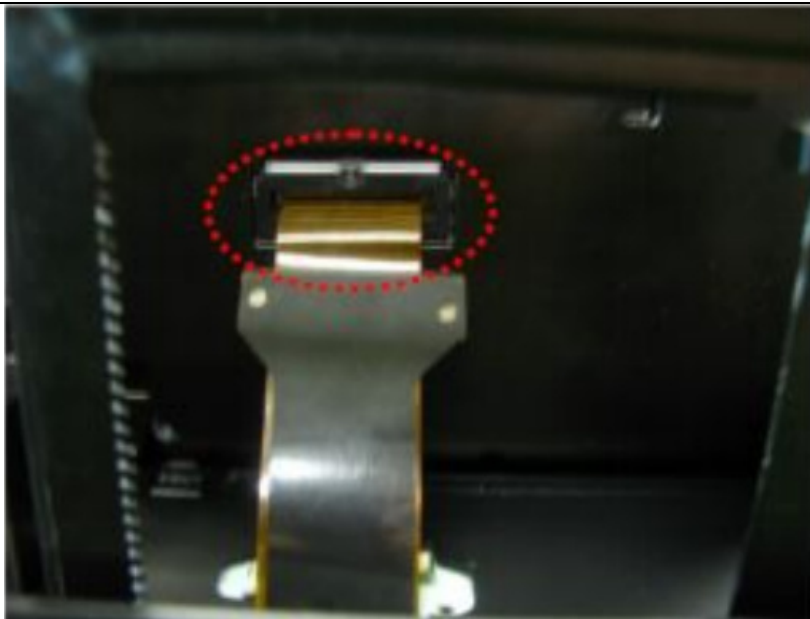


1	Red RGB
2	Green RGB
3	Blue RGB
4	Sync RGB
5	GND
6	Switcher PCB power +9V
7	Supply +5V to activate external RGB
8	N.C.

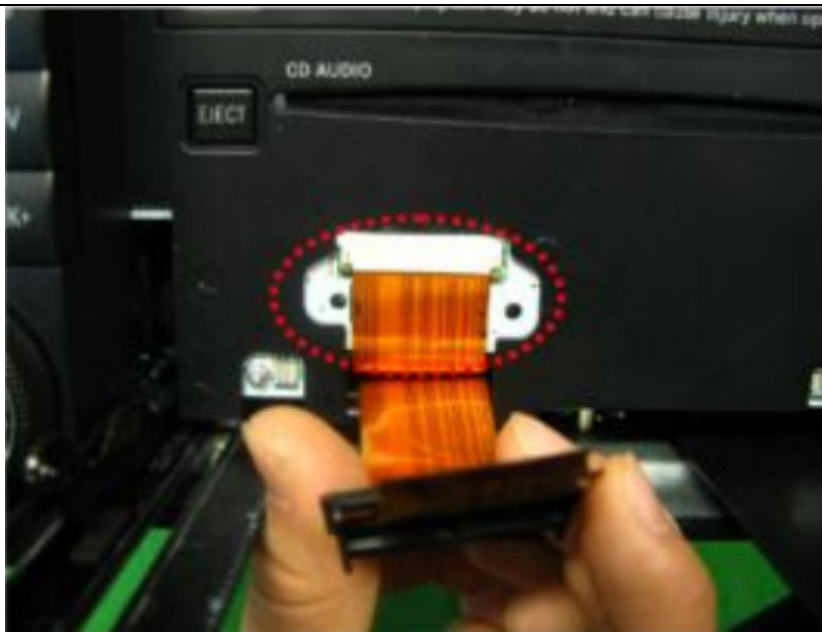
## Installation guide



Detach the display from the slide rails by removing the highlighted screws. Be careful to avoid damaging the original flat cable.



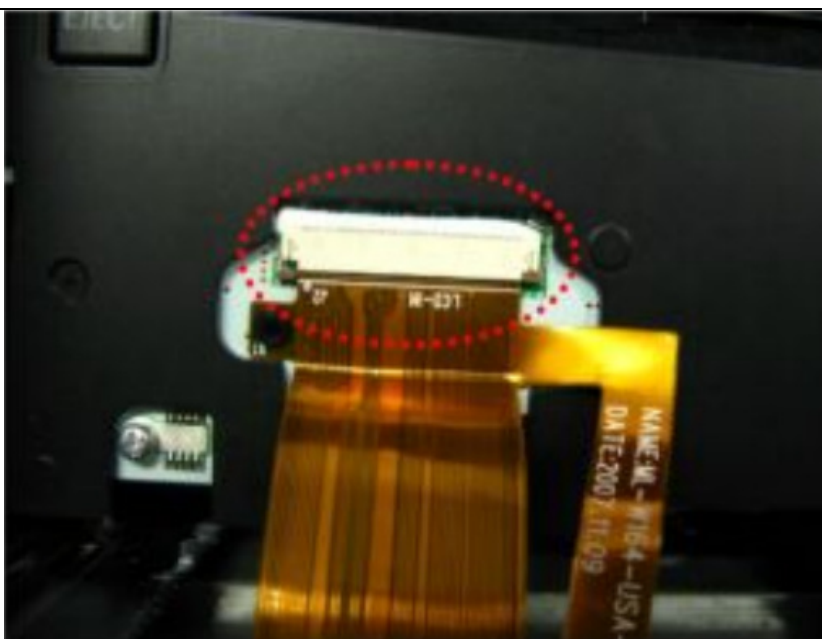
Detach the original flat cable that connects the display with the Head Unit. The flat cable's end is shown in the picture as seen from the side of display. The flat cable's socket is covered with a protective plate. You can easily lift it up with a screwdriver.



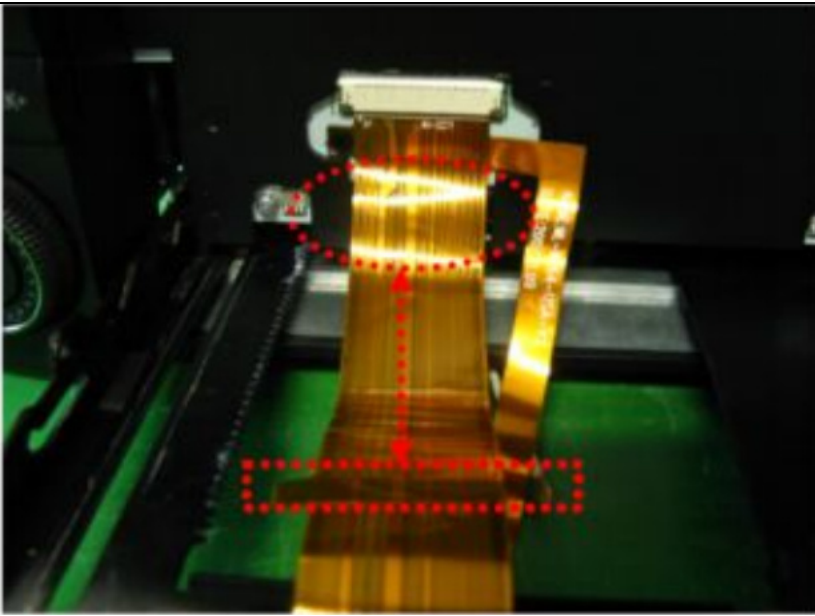
Unscrew the protective plate from the Head Unit to gain access to the flat cable socket. Notice that a portion of the flat cable is concealed in a slot below the socket.



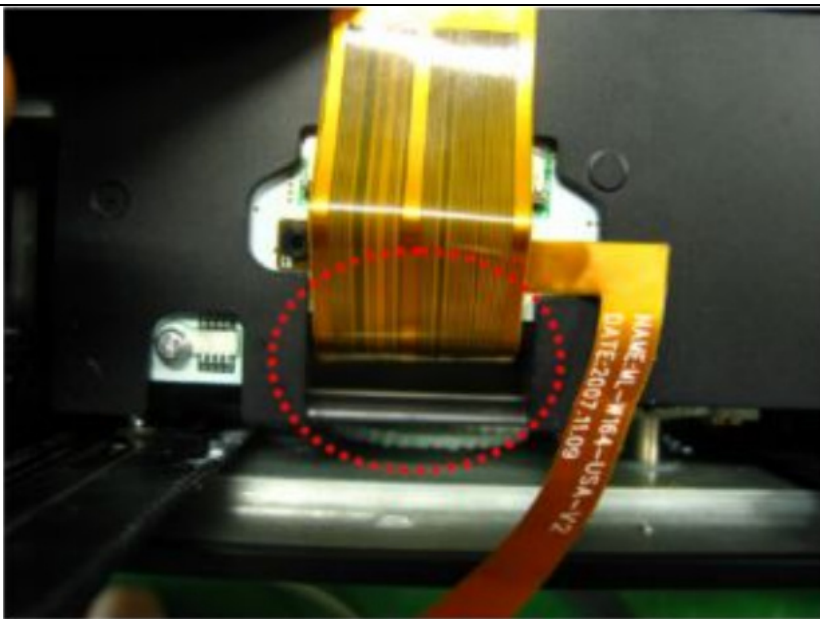
Disconnect the flat cable from the head unit.



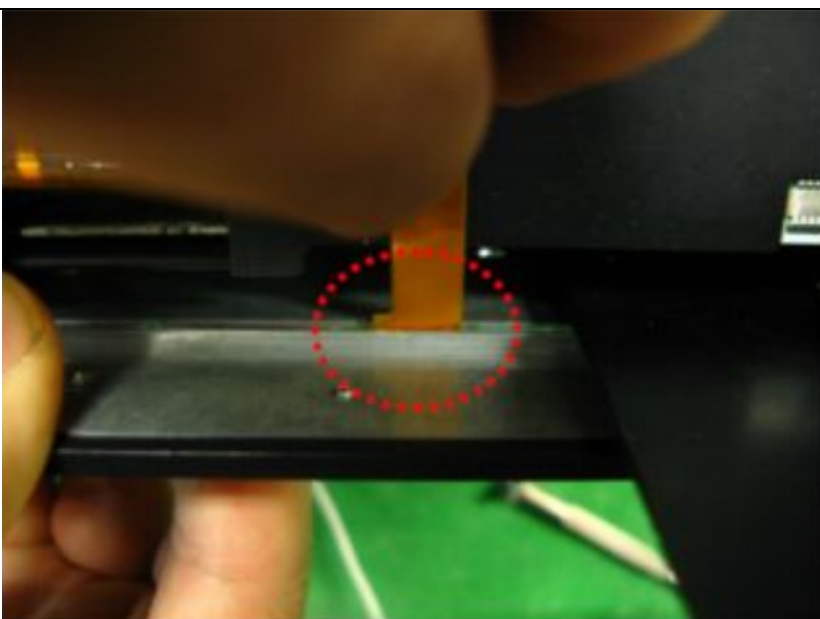
Connect the flat cable from the package to the Head Unit socket and fasten it with a screw on one side.



Fold the flat cable carefully without creases. Hide a part of the flat cable (up to the part, marked with a red rectangle in the picture) in the slot under the socket.



The folded flat cable partially hidden in the slot looks like this.



Run the narrow flat cable through the slit and to the lower side of the Head Unit.



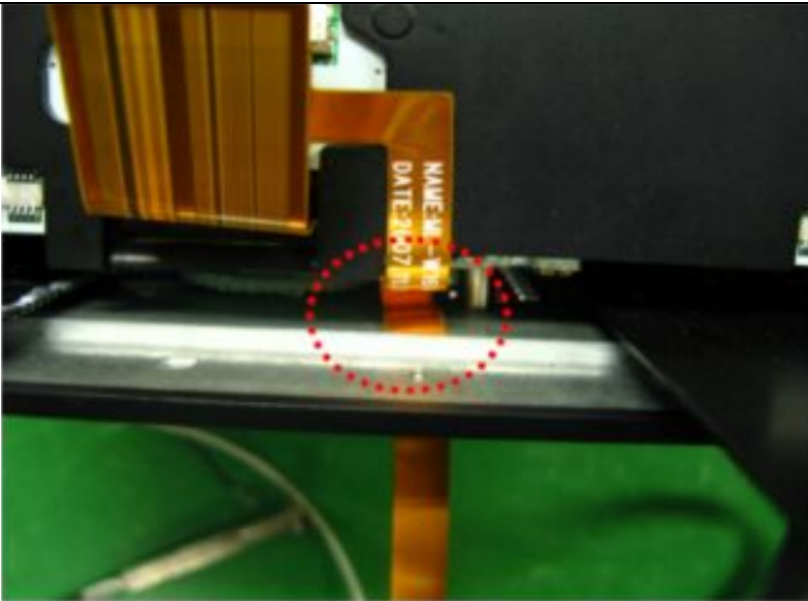
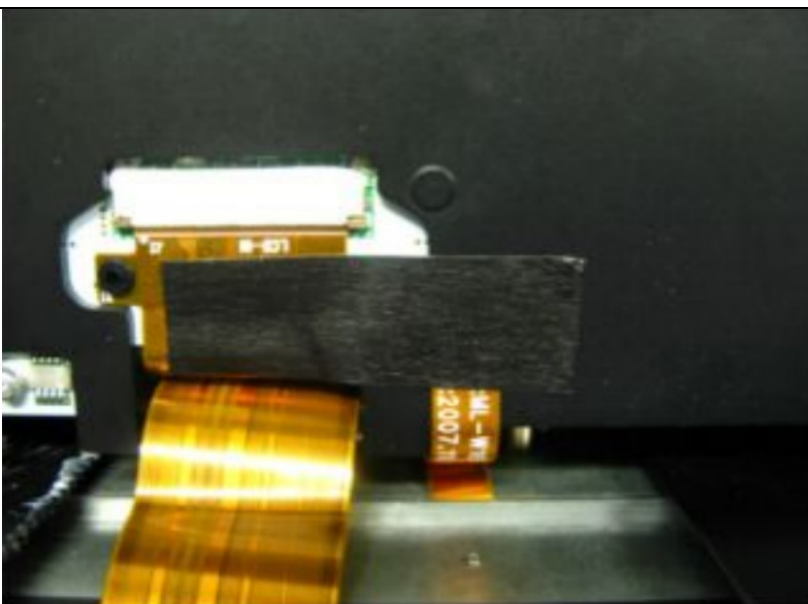


Illustration of a narrow flat cable running through the slit.



Connect the narrow flat cable the Switcher PCB. Attach the Switcher PCB to the lower side of the Head Unit using double-sided foam tape.



Fasten the narrow flat cable on the Head Unit using cloth tape. Connect the other end of the flat cable to the display. Assemble the head unit.

**⚠ Attention: always keep +9V supplied to the 6th pin of the additional cable to keep the Switcher PCB powered.**