

BMW 7 Interface (E65/E66) Installation / Connection Manual



BMW E65/66 Interface Installation Manual

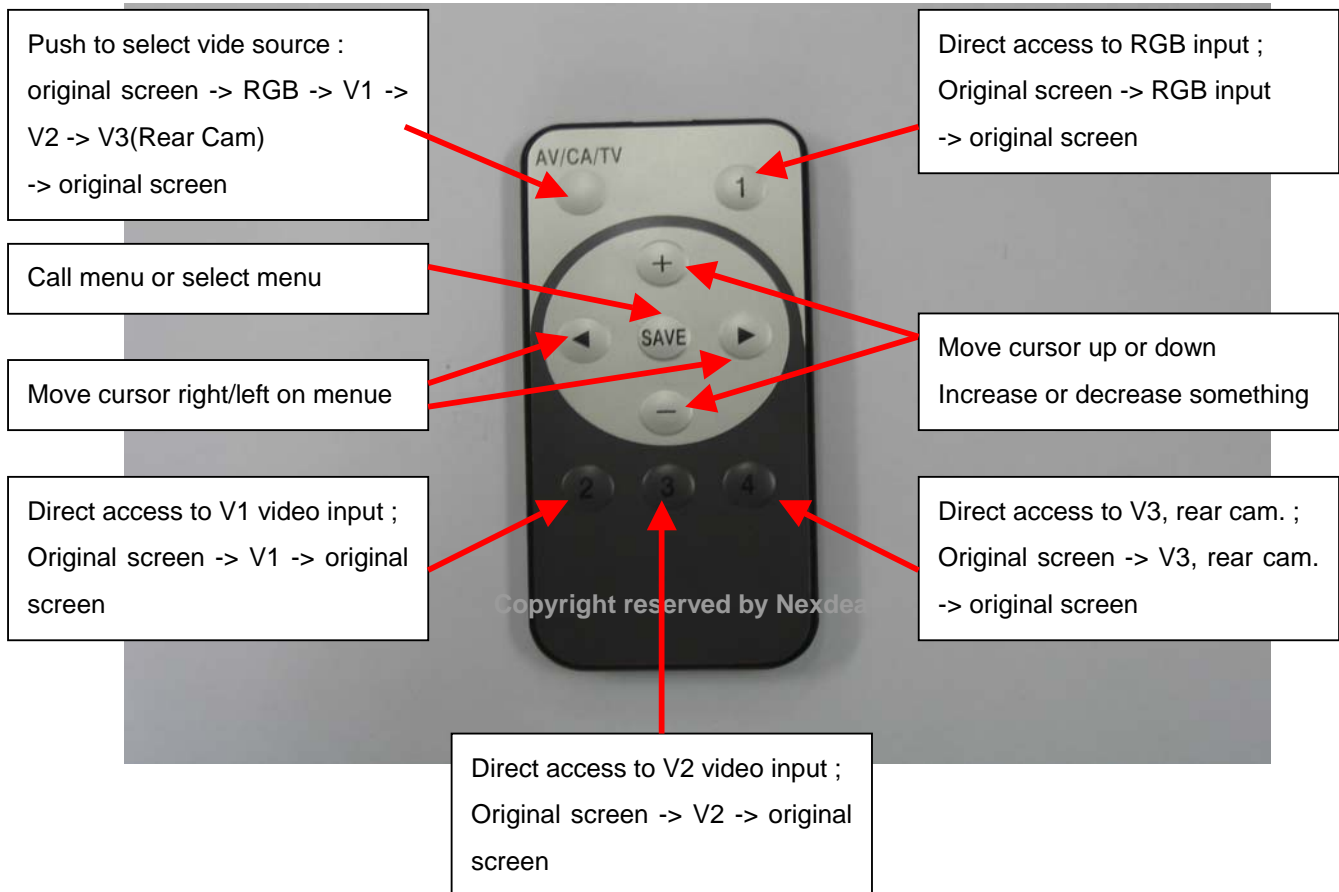
Caution before working

1. Before installation, be sure to key off and wait more than 5 minutes for complete discharge of electricity
2. Don't turn on the ignition during connectors are disconnected, because if you turn on the ignition with disconnected connectors, ECU falsely recognize status of car as an error and display error code on monitor
3. Be sure to use the tools of proper size and usage.
4. Don't try to disassemble and assemble by force
5. Use proper tape or soft fabric to protect car from scratch or damage
6. Be sure to use power line from cigar lighter. In the case that you cannot use power line from cigar lighter, be sure to use a relay to protect interface from electric shock

Picture 1.



Picture 2. Remote Controller



1. Connecting supplied LVDS cable with original monitor

- 1-1. On upper side of monitor, you can see two star shaped screws with proper screw driver
- 1-2. There are two connectors, white one and black one. Remove white one first and black one later. (Caution : When you assemble, connect black one first and white one later)
- 1-3. Be careful not to scratch or damage wood trim
- 1-4. When you pull out monitor module, slightly lift up dashboard plastic, which make it easier to pull out monitor module

2. Disassemble monitor module from dash-board and assemble monitor module

Picture 3. Pull out monitor module - 1



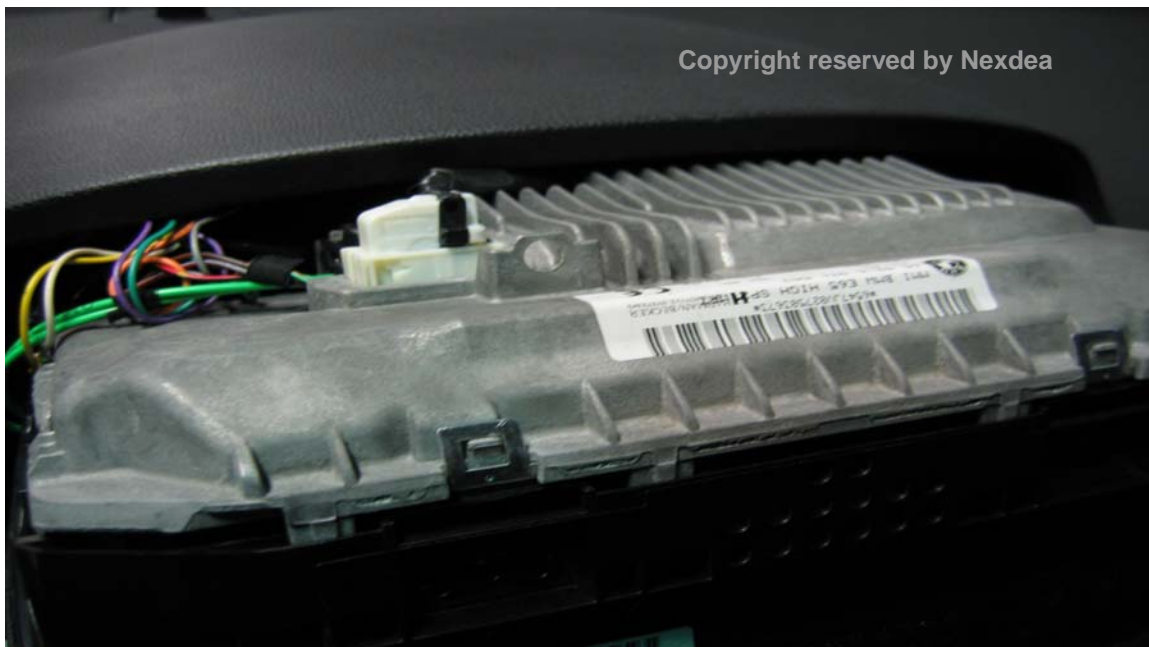
Picture4. Pull out monitor module - 2



Picture4. Pull out monitor module - 3



Picture 5. Pull out monitor module – 4



Picture 6. Side view of monitor module



You can see locker on side

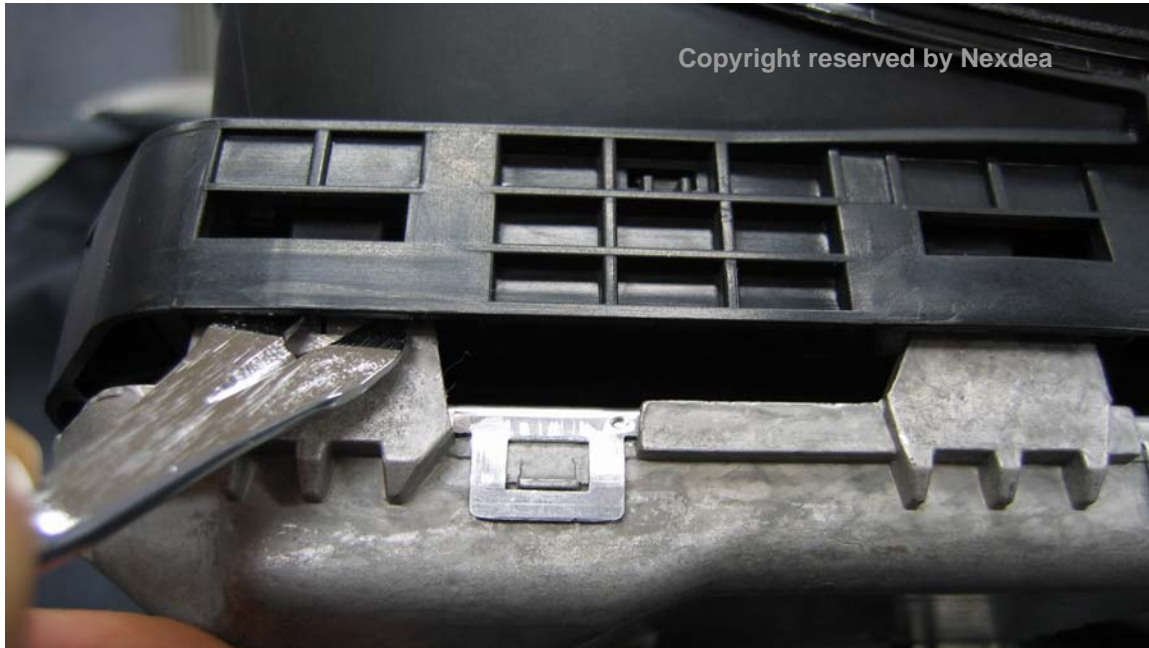
Picture 7. Remove plastic cover with proper tool - 1



Picture 8. Remove plastic cover with proper tool - 2



Picture 9. Remove plastic cover with proper tool - 3



Picture 9. Remove plastic cover with proper tool - 3



Picture 10. Remove plastic cover with proper tool - 4



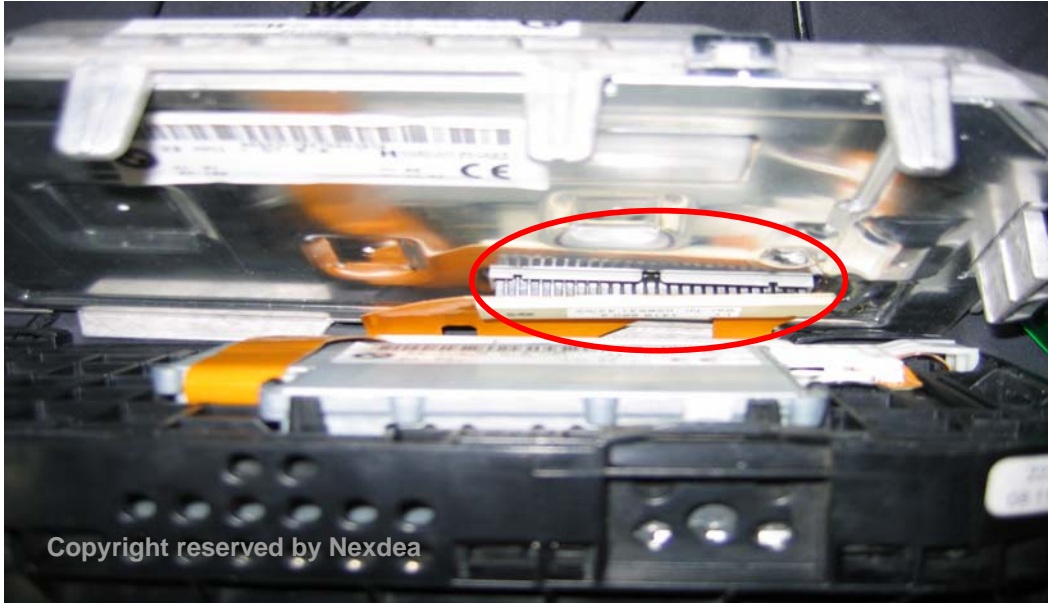
Picture 11. Remove plastic cover with proper tool on other side - 1



Picture 12. Remove plastic cover with proper tool on other side - 2

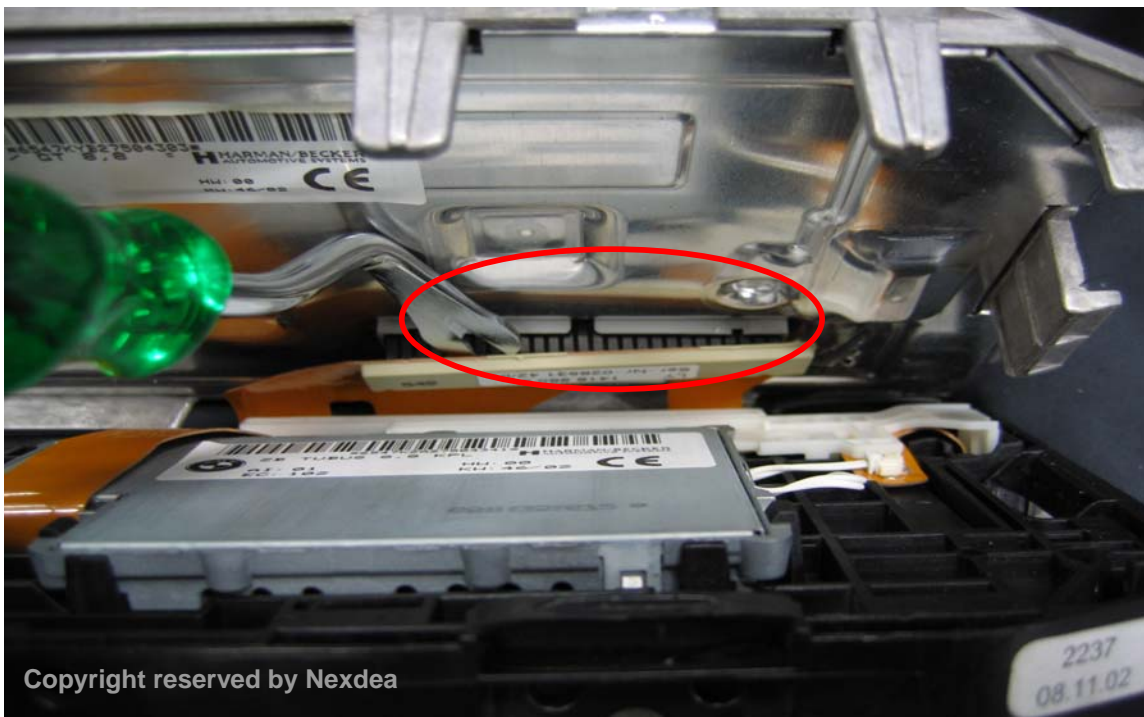


Picture 13. Remove metal cover - 1



You can see brown film-cable for LVDS, connecting LCD and communication board. Be cautious not to lift metal case too much, to protect film-cable

Picture14. Remove metal cover - 2



Picture 15. Remove GND connector next to film-cable connector



Picture 16. Status after disassembling GND connector



Picture 17. Status after disassemble LVDS connector and GND connector



Picture 18. Rear side after disassemble LVDS connector and GND connector



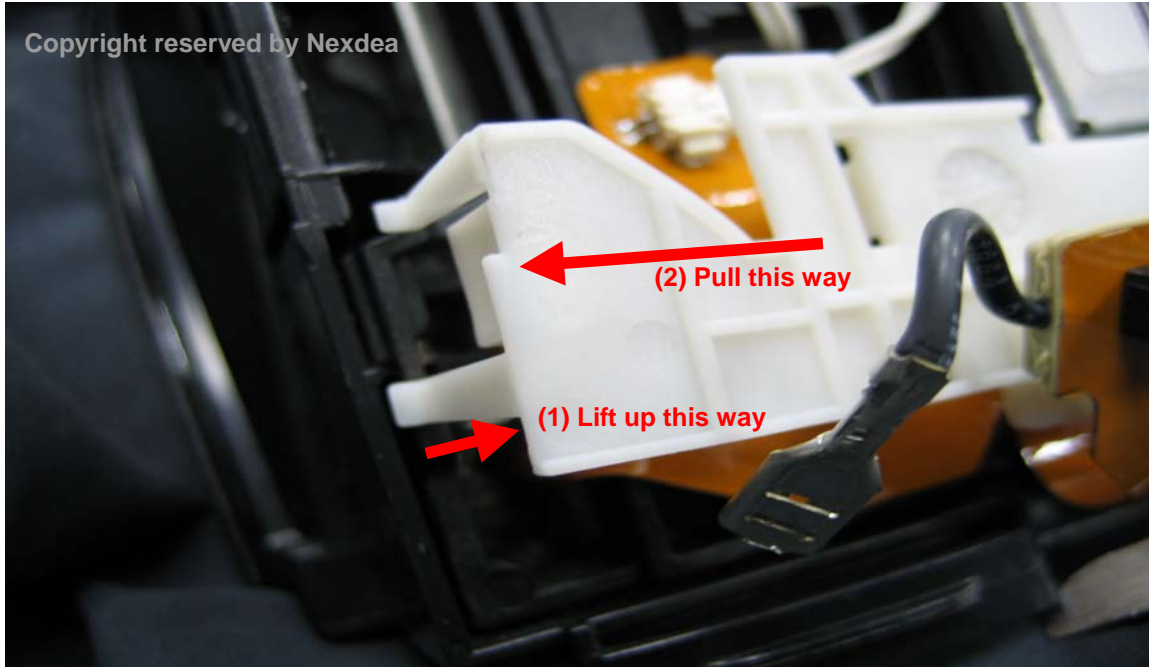
Picture 19. Communication board on plastic cover



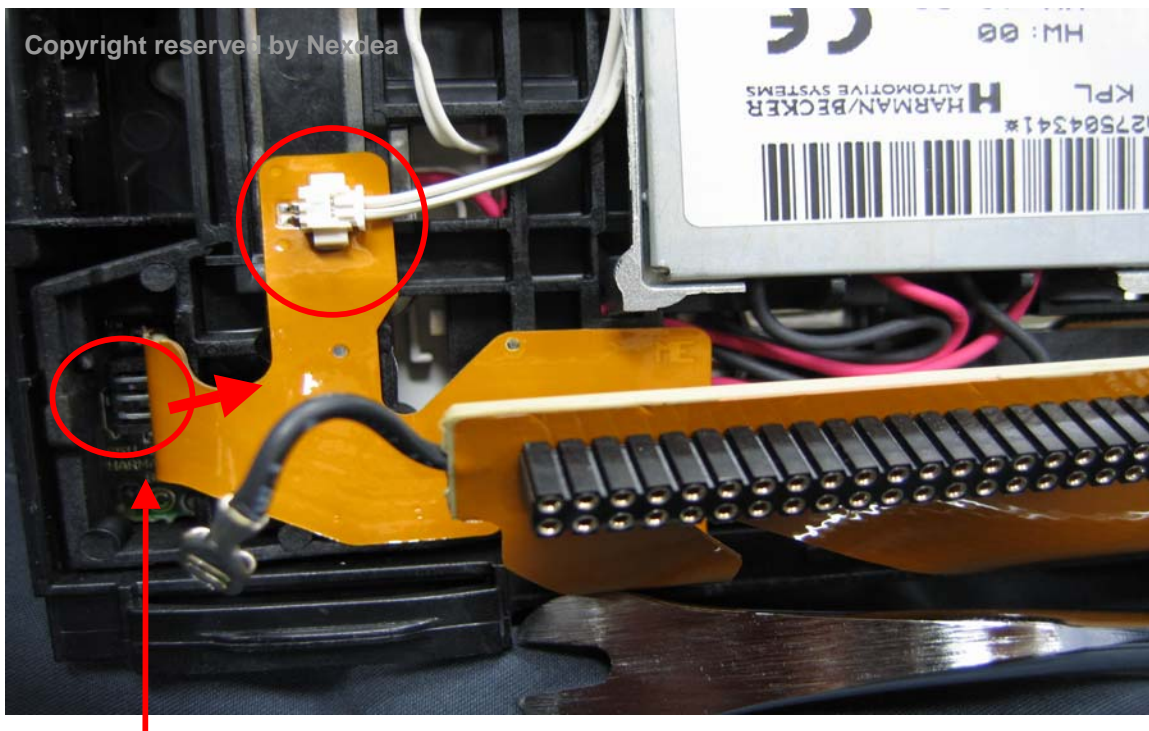
Picture 20. Remove backlight inverter module – 1 : remove white plastic cover



Picture 21. Remove inverter module – 2 : remove white plastic cover

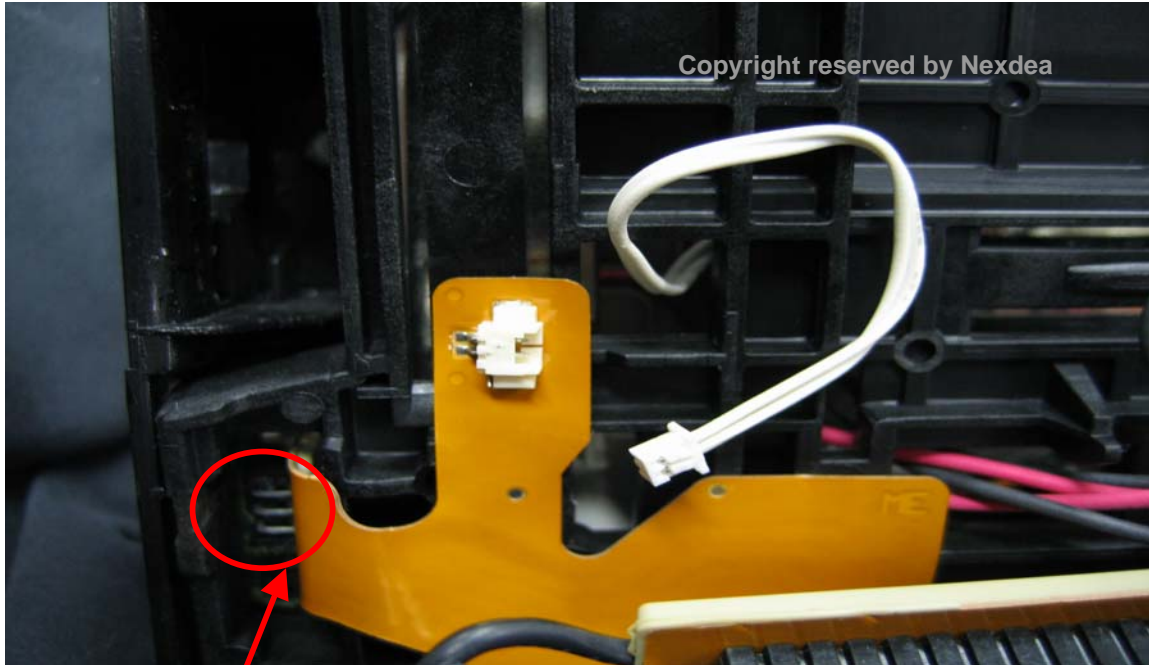


Picture 22. Remove inverter module – 3 : remove cable on film-cable from inverter



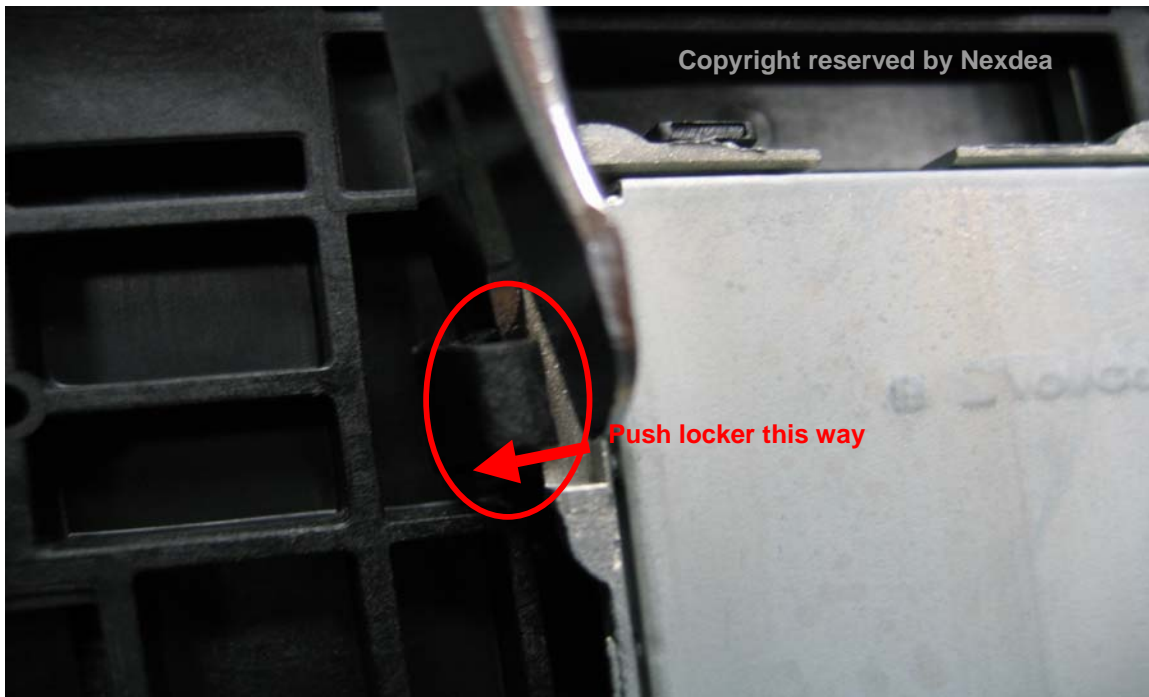
Pull out film-cable this way to disconnect film-cable

Picture 23. Remove inverter module – 4 : remove cable on film-cable from inverter

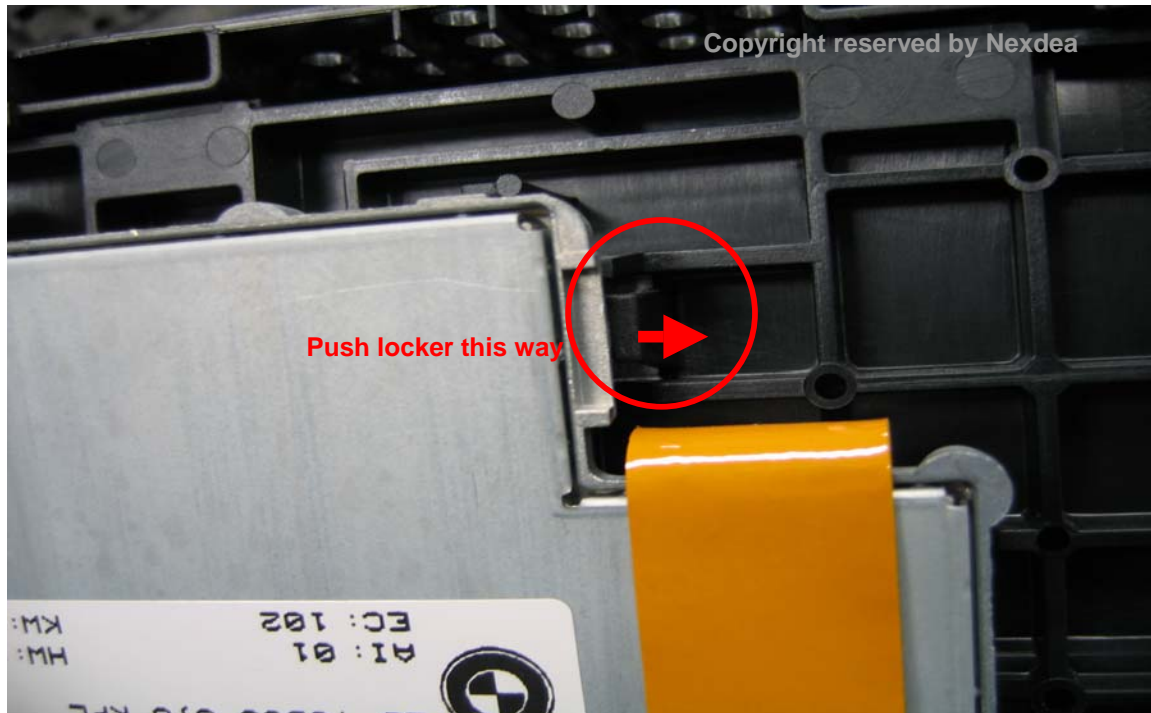


(This connector should have been removed)

Picture 24. Remove inverter module – 5 : loosen locker on upper right side



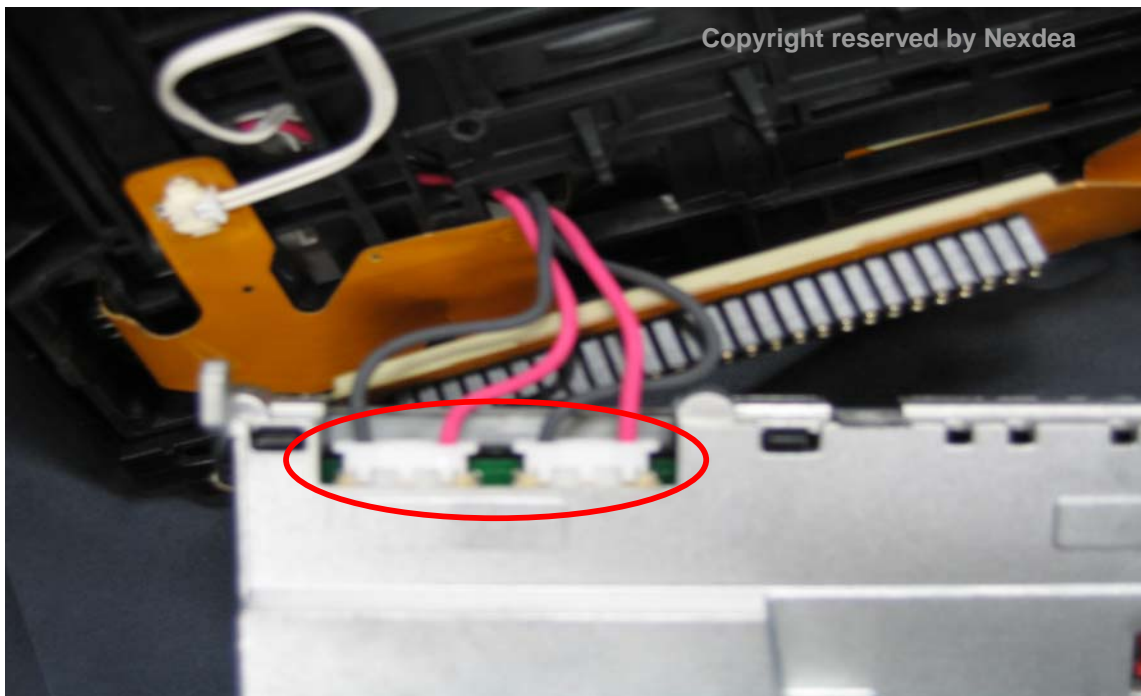
Picture 25. Remove inverter module – 6 : loosen locker on upper left side



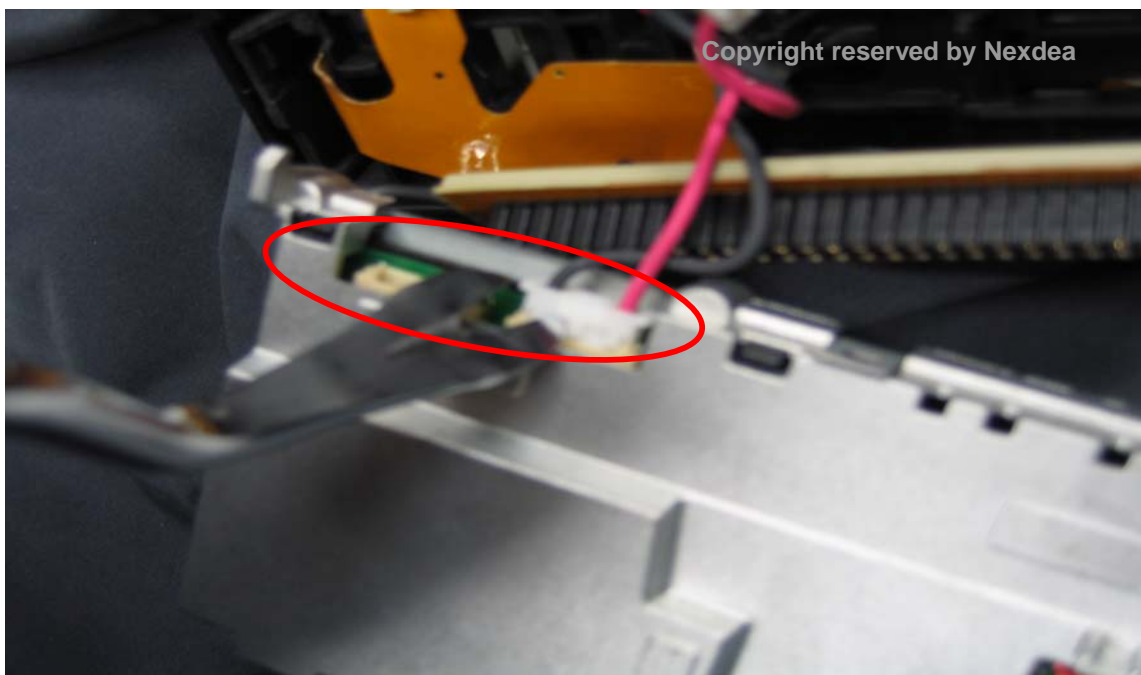
Picture 26. Remove inverter module – 7 : remove film-cable from inverter



Picture 27. Remove inverter module – 8 : remove power cable connector



Picture 28. Remove inverter module – 9 : remove power cable connector.



Picture 29. Remove inverter module – 10 : remove power cable connector



Picture 30. Remove inverter module – 11 : remove black plastic cover



Picture 31. Remove inverter module – 12



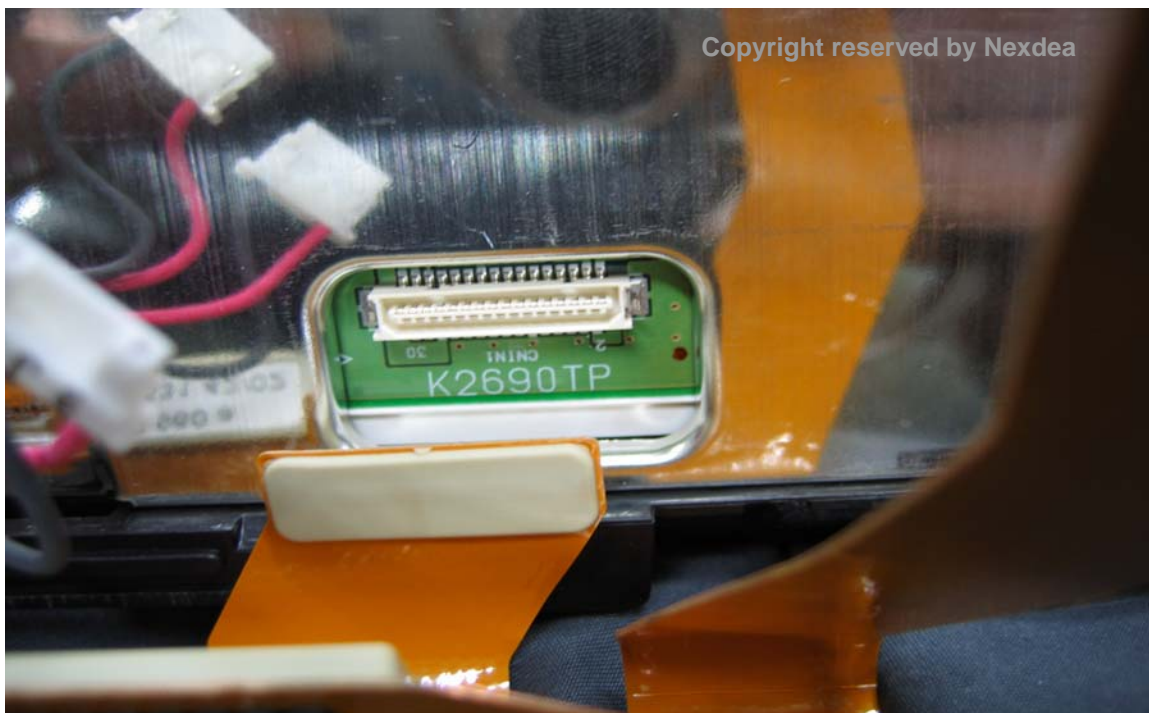
Status after finishing removal of backlight module and LCD cover

Continue to book 2

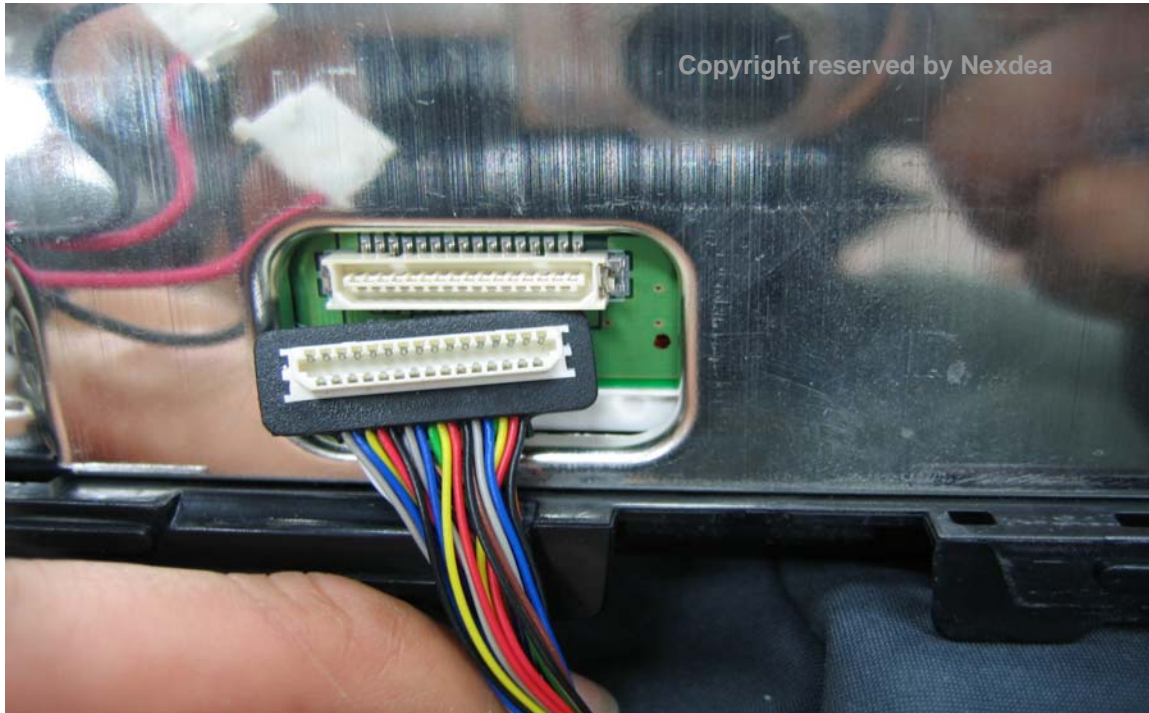
Picture 32. Remove LVDS film-cable from LCD panel - 1



Picture 33. Remove LVDS film-cable from LCD panel - 2



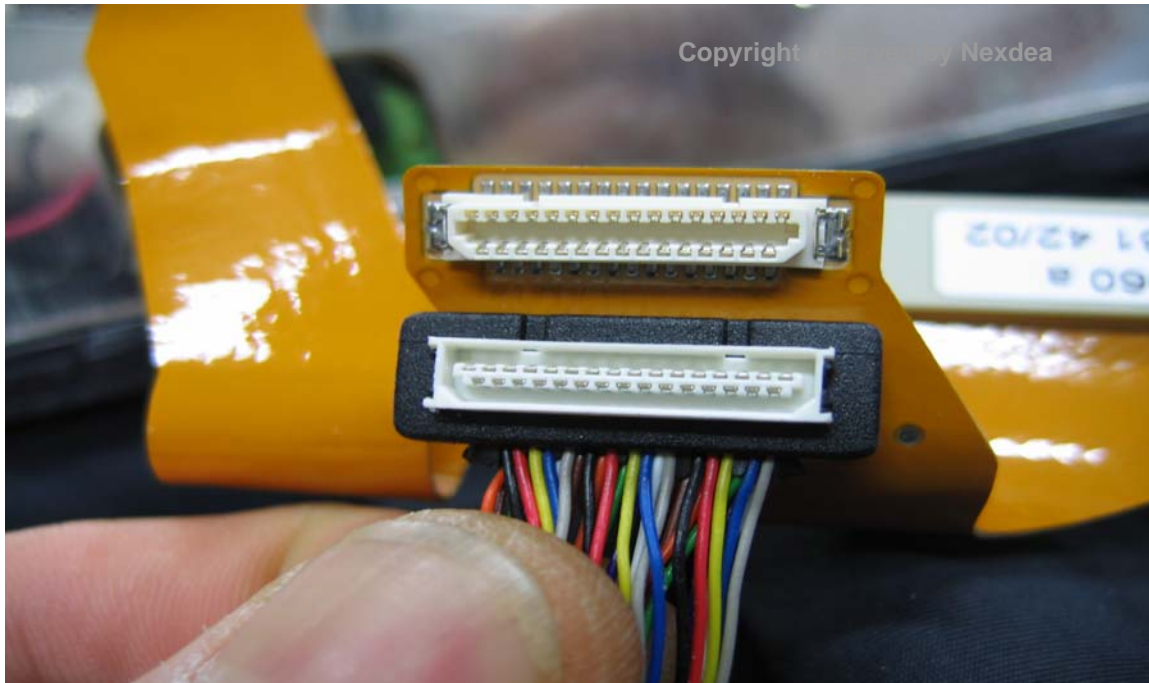
Picture 34. Connect supplied LVDS cable with LVDS jack on LCD panel - 1



Picture 35. Connect supplied LVDS cable with LVDS jack on LCD panel - 2



Picture 36. Connect supplied LVDS cable with LVDS jack on film-cable - 1



Picture 37. Connect supplied LVDS cable with LVDS jack on film-cable - 2



Picture 38. Break small plastic bar to ease tension on LVDS jack (not mandatory)



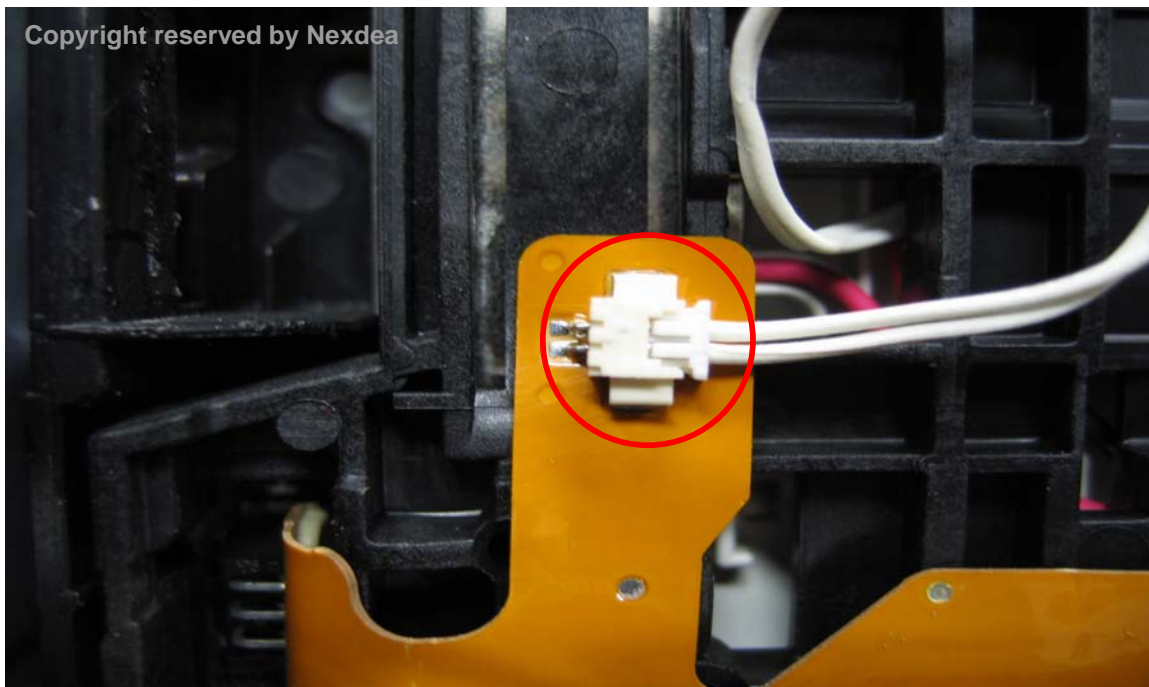
Picture 39. Assemble black plastic cover



Picture 40. Assemble film-cable



Picture 41. Assemble CDS connector



Picture 42. Assemble inverter power cable



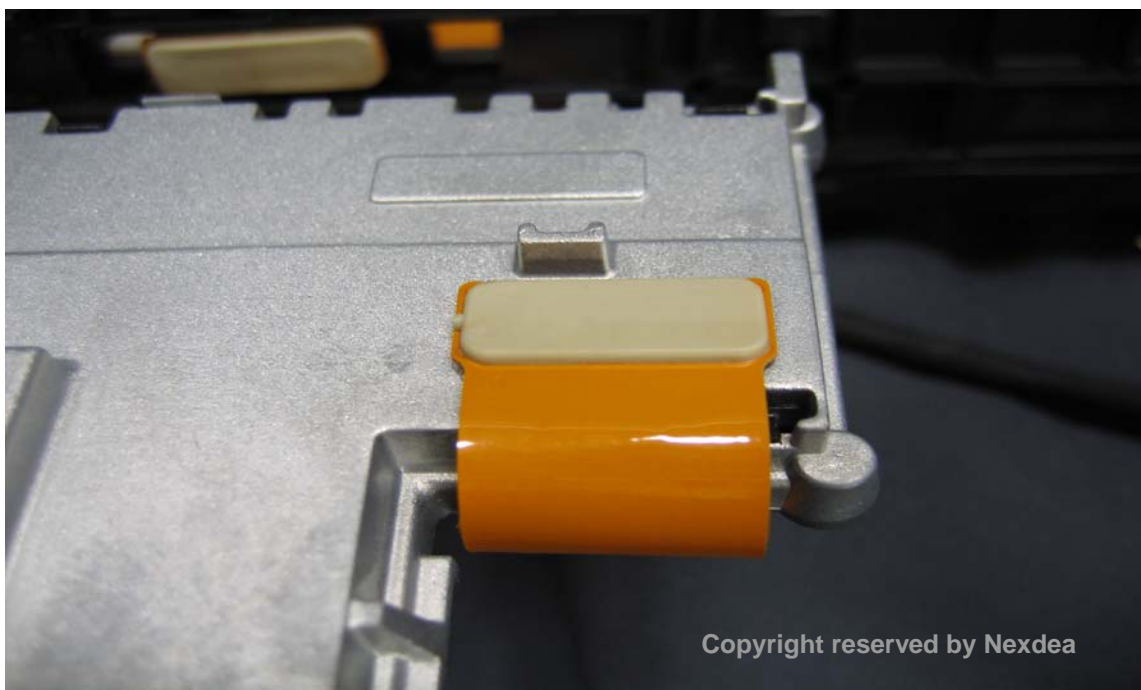
Picture 43. Assemble inverter power cable



Picture 44. Inverter cable connector



Picture 45. Connector film-cable



Picture 46. Inverter cable connector



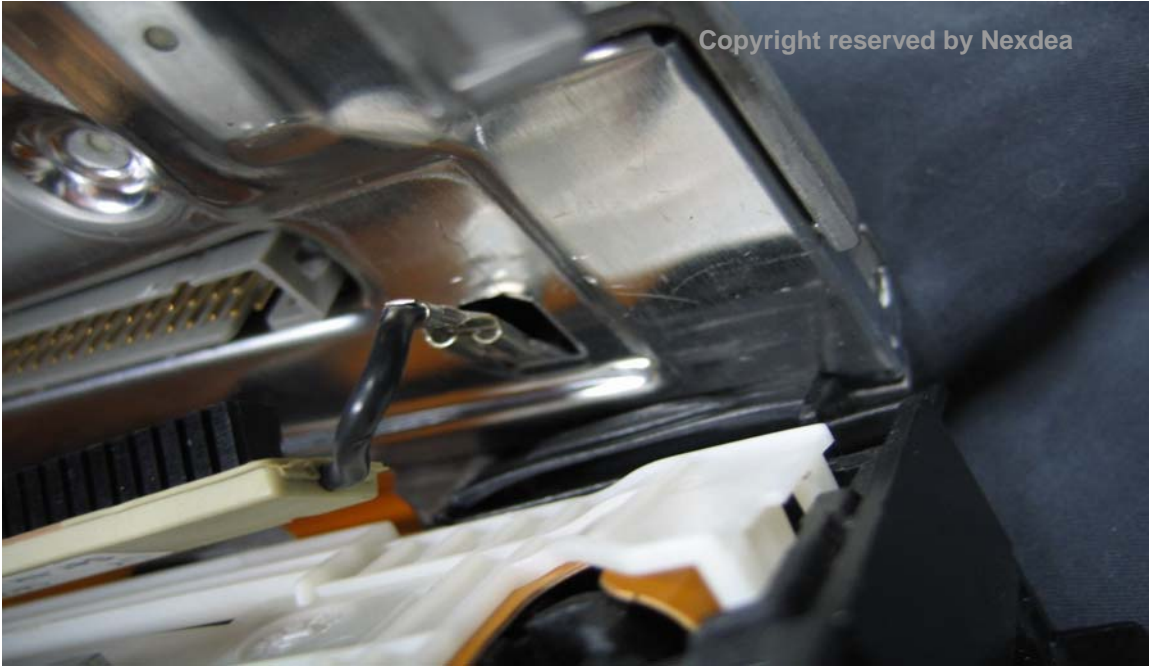
Picture 47. Assemble locker holding inverter module



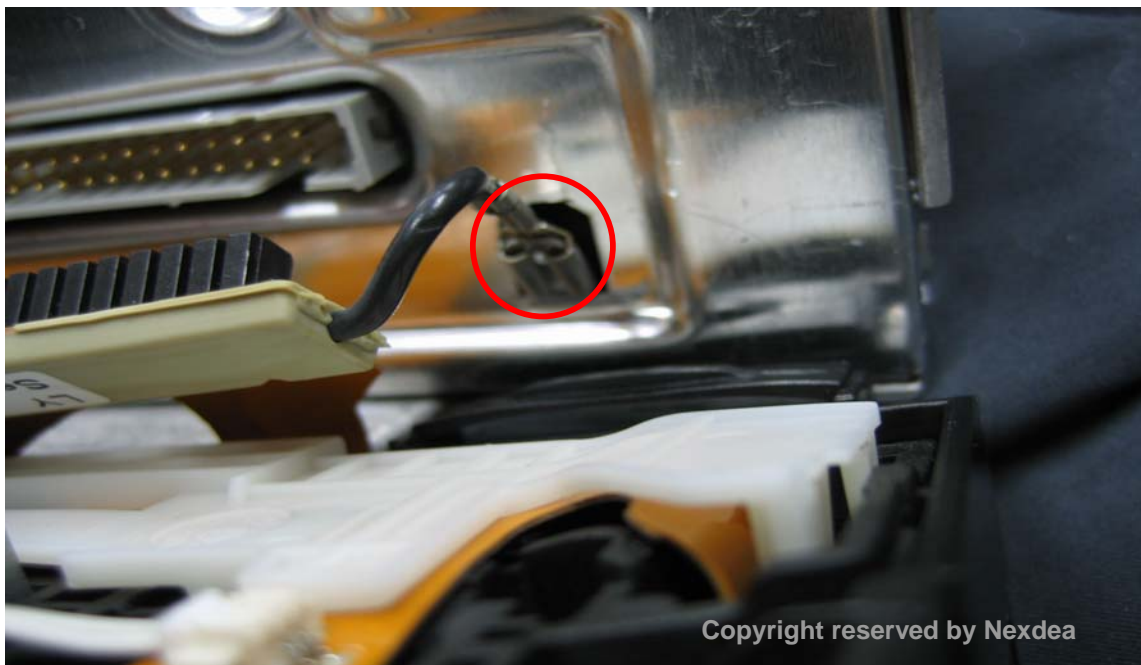
Picture 48. Assemble white plastic cover holding film-cable and LVDS jack



Picture 49. Assemble GND connector



Picture 50. Insert GND jack into LCD panel module



Picture 51. Connect LVDS connector - 1



Picture 52. Connect LVDS connector - 2



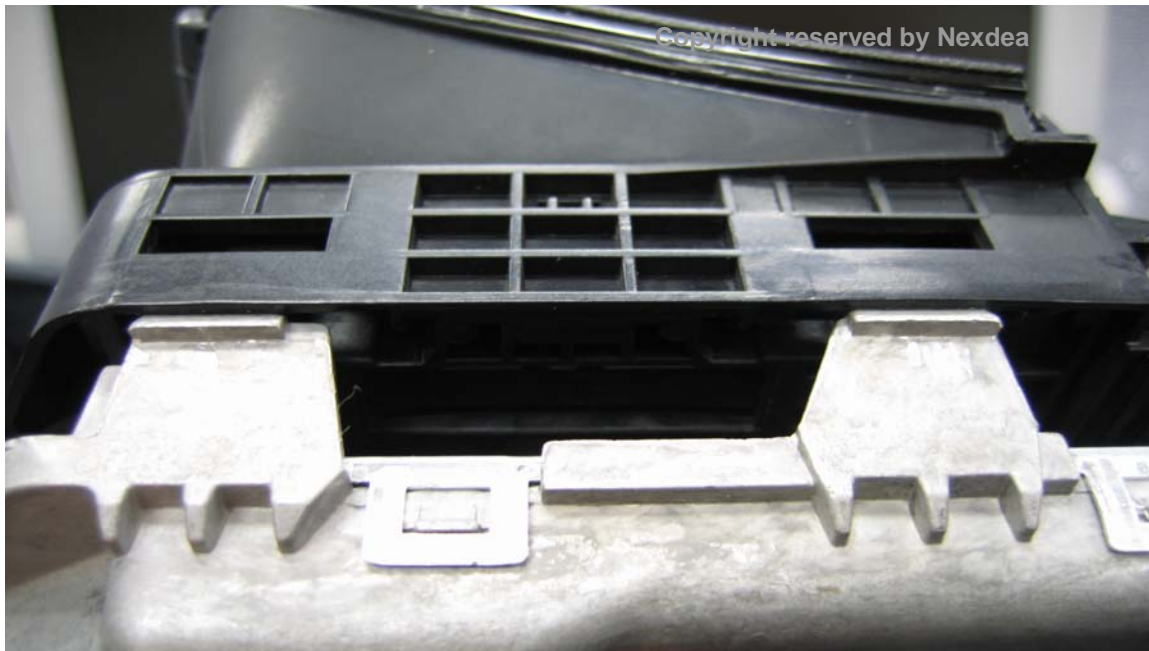
Picture 53. Assemble metal cover and plastic cover - 1



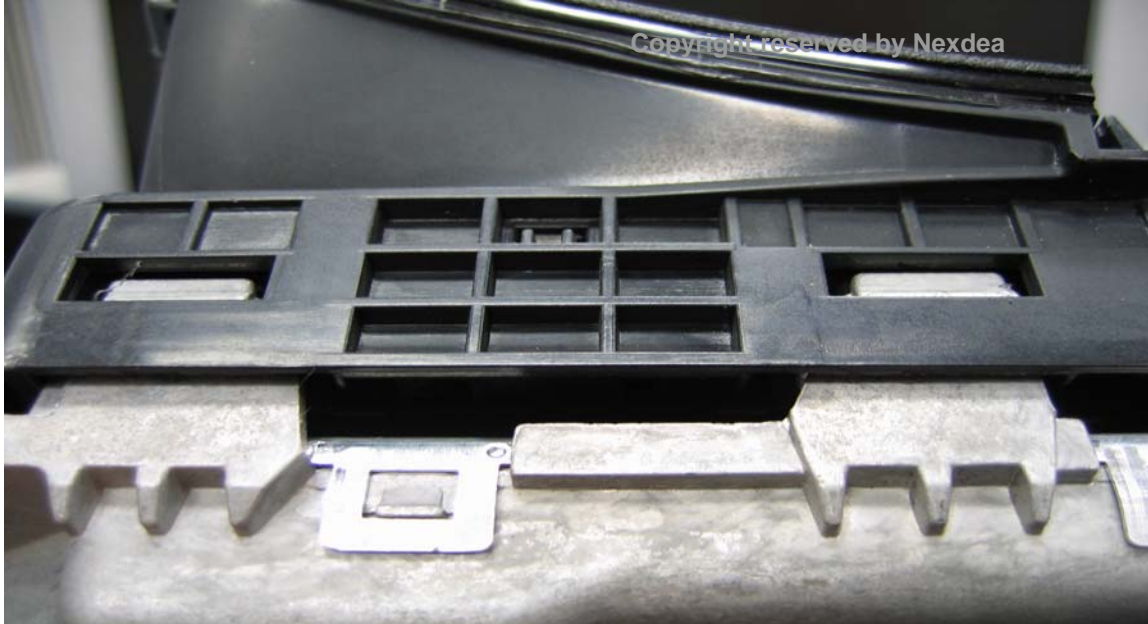
Picture 54. Assemble metal cover and plastic cover - 2



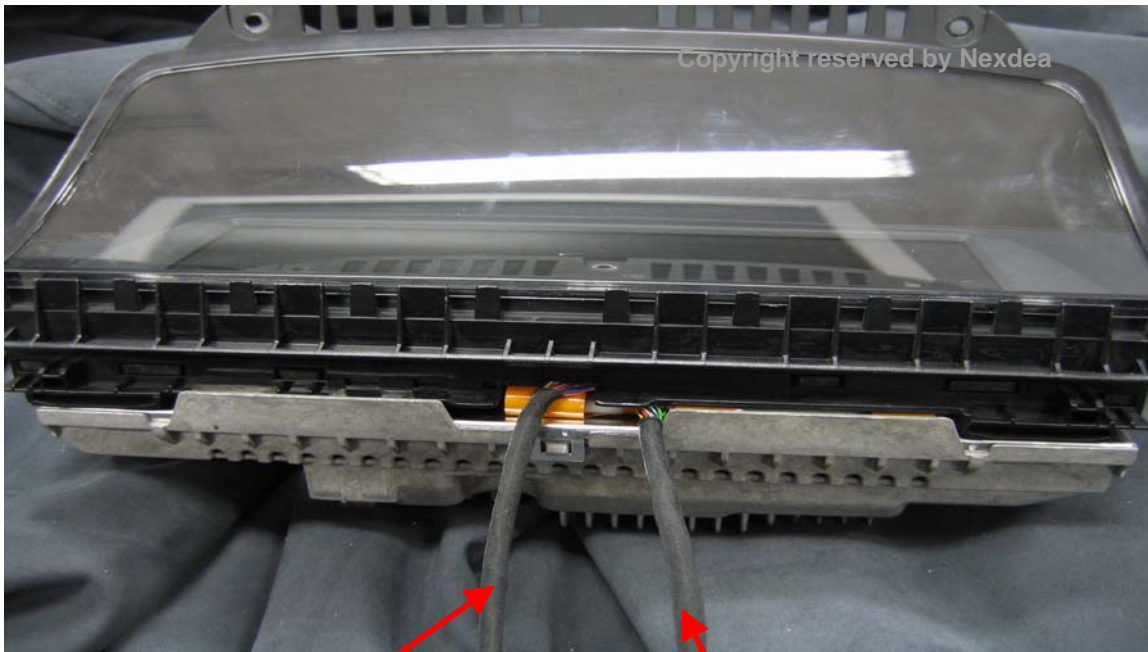
Picture 55. Assemble metal cover and plastic cover - 3



Picture 56 Assemble metal cover and plastic cover - 4



Picture 57. Finish assembling monitor



Connect this cable with LVDS OUT
on interface

Connect this cable with LVDS IN
on interface

Picture 58. Rear side of finished monitor module



3. Connecting supplied LVDS cable with interface(see picture 57)

4. Connecting interface with extra video source

3-1. Connect IR sensor with interface

3-2. Connect reversing light cable(12V+) with B/L on interface

3-3. Connect external Audio/Video sources

3-4. Connect Audio out to FM Tx or original FM tuner in C-pillar

3-5. Connect LVDS IN cable and LVSD OUT cable

3-6. Fix IR sensor on the ventilation hole on upper side of monitor module

3-7. Connect power cable with interface

(Red cable-> 12V+ACC, Black cable->GND)

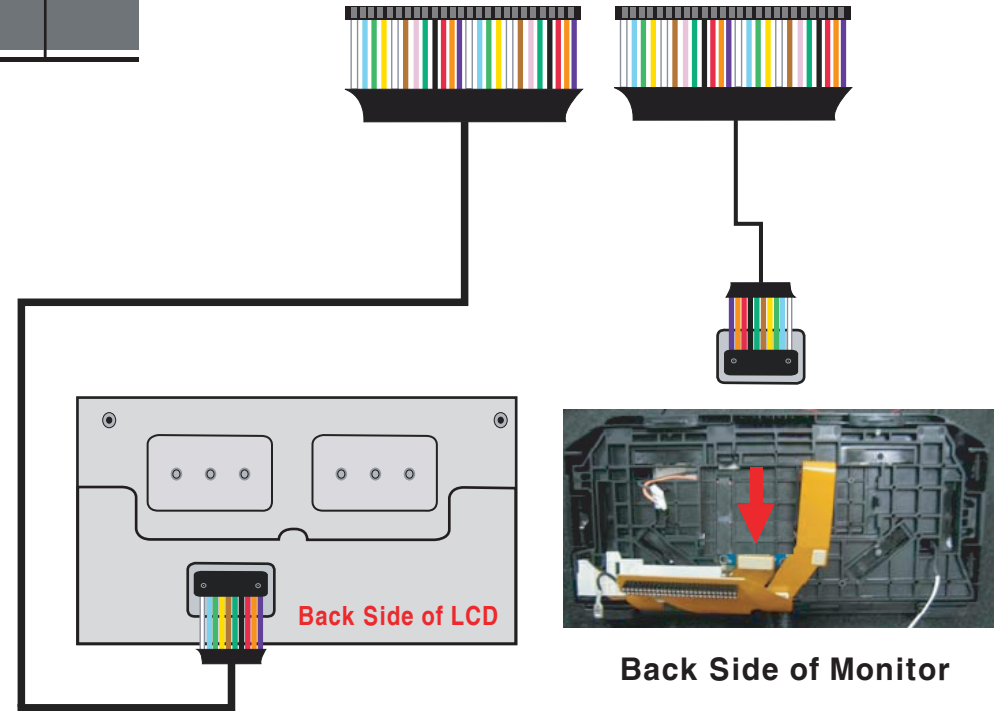
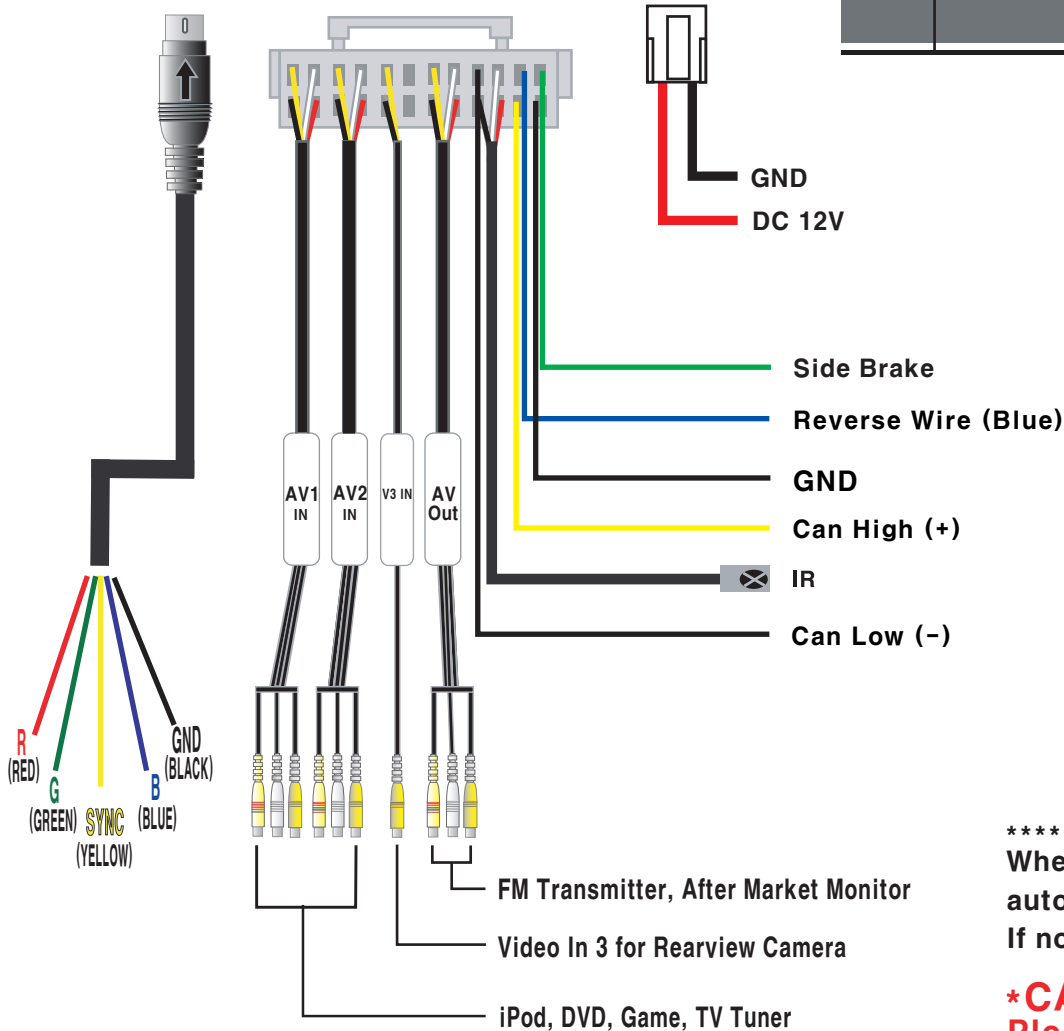
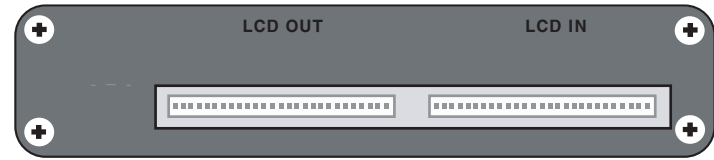
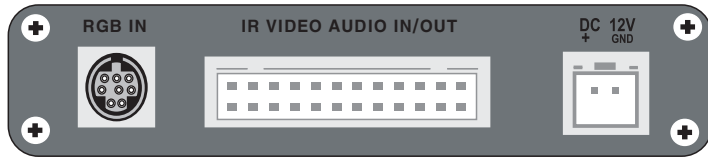
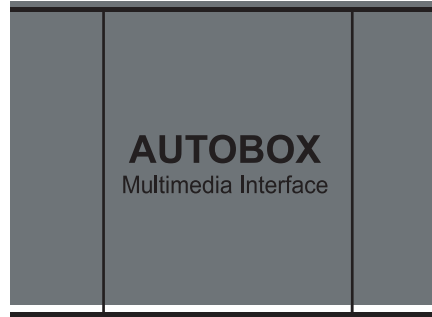
3-8. Stick interface on proper place inside dash-board (using double sided sticker)

3-9. Turn on ignition and test if interface properly work with remote controller

3-9. Assemble monitor module

- END -

BI-BM76
BMW 7-Series
(E65, E66, 2003-2007)



When shifting into Reverse, Video 3 (Rearview Camera Input) will be displayed automatically on LCD screen when present.

If no Rearview Camera present automatically change to Main Screen.

***CAUTION**

Please turn ignition off and remove key before starting Installation process.