2014 Jeep Video Interface

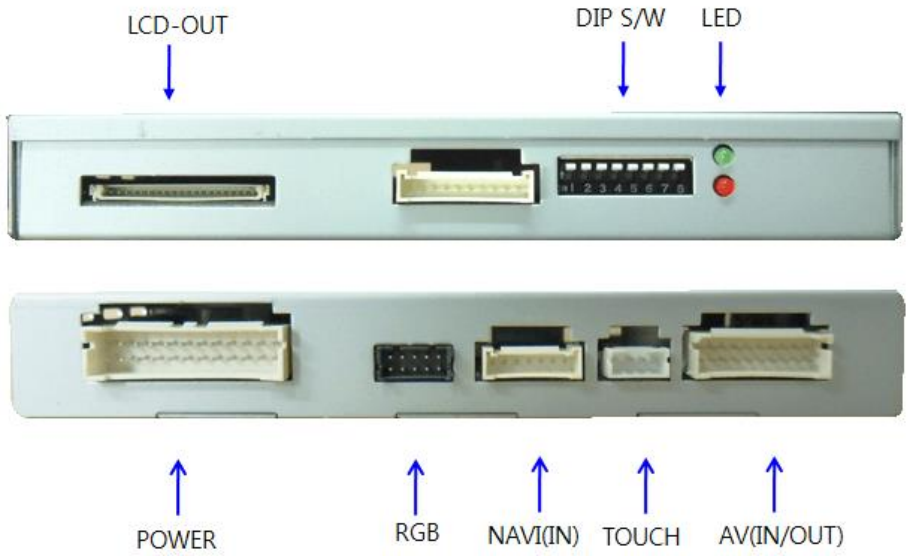
Spec

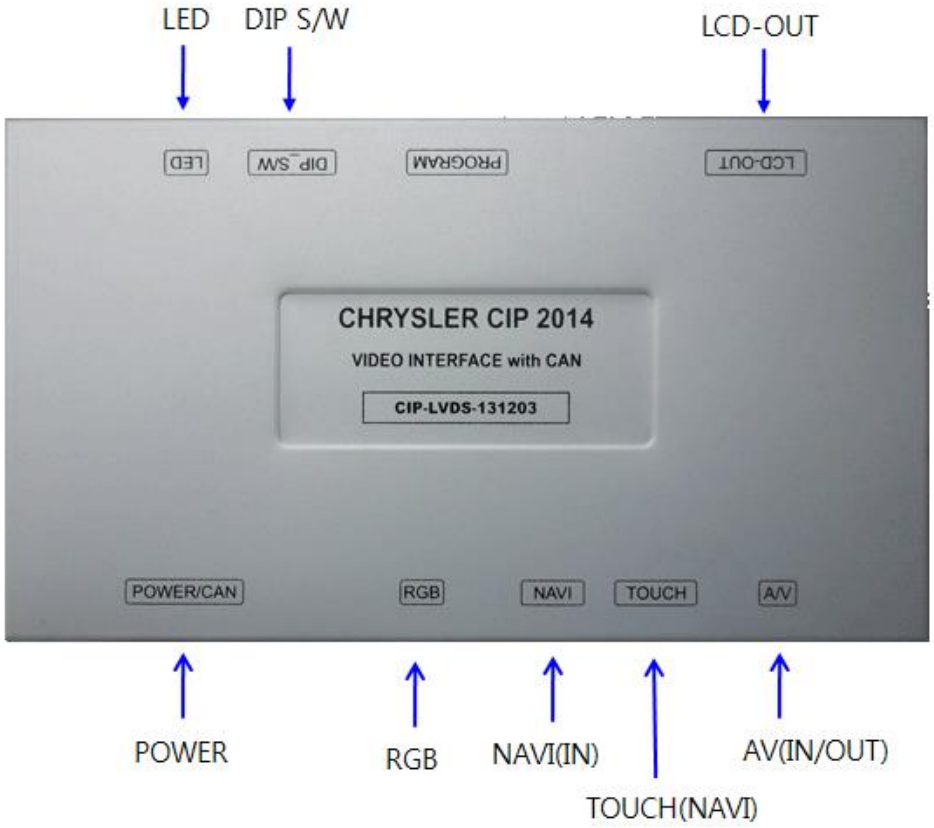
1. Input Spec. (MULTI VIDEO INTERFACE)
    - 2 x A/V Input (External video source).
    - 1 x CVBS(REAR CAMERA) Input. (Rear camera source)
    - 1 x CVBS(Front CAMERA) Input. (Front camera source)
    - 1 x Analog RGB Input (Navigation System output)
    - 1 x LVDS Input. (Car Command System)
2. Output Spec.
    - 2 x CVBS Output (Video out for Installing Headrest Monitor)
    - 1 x Audio L/R Output.
    - 1 x LCD Output (LCD Operation)
3. Power Spec.
    - Input Power : 8VDC ~ 24VDC
    - Consumption Power : 12Watt, Max
4. Switch Input mode
    - Possible to select CAR model while switching mode by DIP S/W
    - By button on the Commander in the car via CAN

About Interface

- Dimension

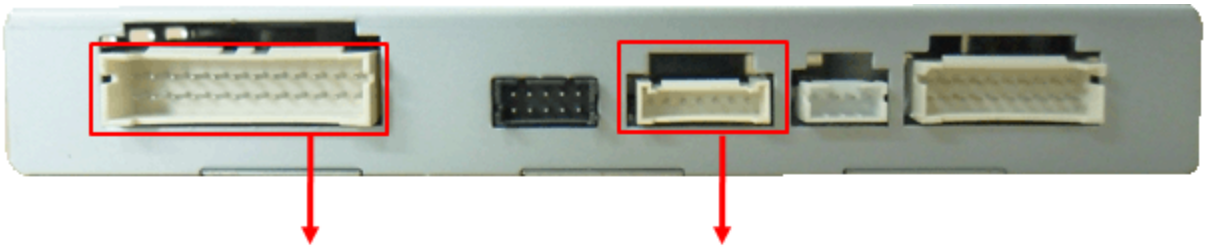
- External Appearance





* This can change under manufacturer's circumstance

Connector Pin Assignment



*POWER Connect

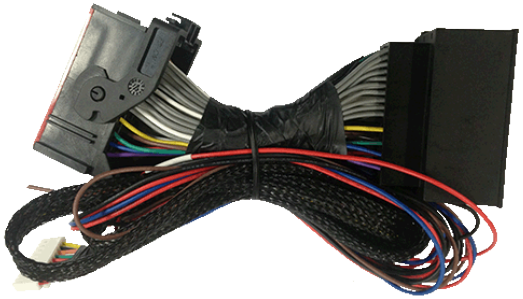
① ACC (Yellow)
② GND (Black)
③ CAN-H (Orange)
④ CAN-L (Green)
⑤ REAR VCC (Red)
⑥ REAR GND (Black)
⑦ REAR-CAM DETECT (Brown)
⑧ FRONT GND (Black)
⑨ FRONT-CAM DETECT (Blue)
⑩ FRONT VCC (Red)

*NAVI Connect

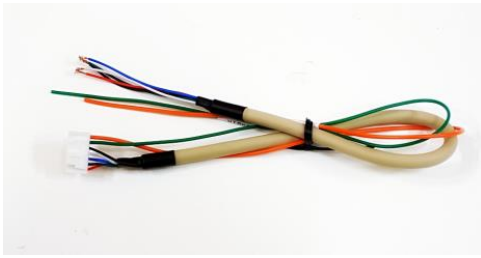
① R DATA (Red)
② G DATA (Green)
③ B DATA (Blue)
④ SYNC (White)
⑤ GND (Black)
⑥ DMB IR (Green)
⑦ DVD IR (Orange)

Product Composition

Interface Board 1 EA



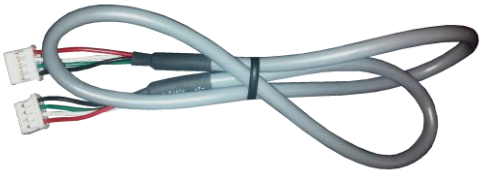
Power Cable 1 EA



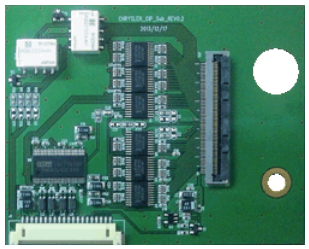
RGB Cable 1 EA

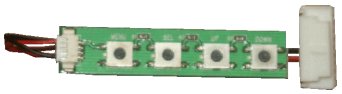
AV Cable 1 EA

LVDS Cable(800mm) 1 EA



Touch Cable 1 EA





OSD Keypad 1 EA

FPC Cable 1 EA

SUB-BOARD 1 EA

DIP S/W Setting

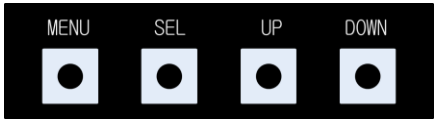
※ ON : DOWN , OFF : UP

PIN	FUNCTION	DIP S/W Selection
1	RGB INPUT MUTE	ON : Skipping NAVI Mode OFF : NAVI Display
2	AV1 MUTE	ON : Skipping AV1 OFF : AV1 Display
3	AV2 MUTE	ON : Skipping AV2 OFF : AV2 Display
4	N.C	
5	N.C	
6	N.C	
7	N.C	
8	N.C	

MODE CHANGE

OSD CONTROL

OSD Control Board



MENU	Push -> OSD menu On/Off
SEL	Item Selection, Value Selection
UP	Item Up / Increase selected value
DOWN	Item Down / Decrease selected value

Mode State

First Menu **Second Menu** **Third Menu**

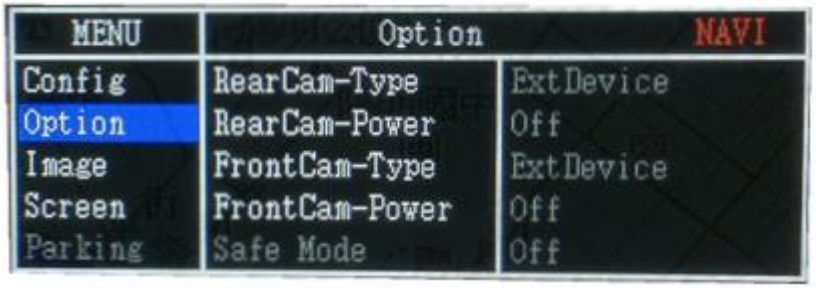
OSD MENU

First Menu	Second Menu	Third Menu	Action	ELT-980XU Slim	AMPIRE DVX-101
Config	NAVI-RGB	GI4000	Selection Korea 480*234		
		GI8000	Selection Korea 800*480		
		GI8000 3G	Selection Korea 800*480		
		PANASONIC	Selection Taiwan 480*234		
		PT-GPS800A	Selection China 480*234		
		KD900(WVGA)	Selection China 800*480	**SANYO**	**NECVOX**
		KD900(WQVGA)	Selection China 480*234		
		PURENAV18	Selection Taiwan 480*234		
		SINGAPORE	Selection Singapore 480*234		
	NAVI-AV				
	DVD	ELT-980XU Slim	Selection Europe		
		LCKT	Selection China		
		SANYO	Selection China		
		NECBOX DVA-3206	Selection China		
		AMPIRE DVX-101	Selection Singapore		
		PIONEER	Selection Japan		

OSD MENU

First Menu	Second Menu	Third Menu	Action		DVBT55HD	Pioneer
Config	DVB-T(DMB)	ELT-DVBT20	Selection Europe			
		NET-770	Selection Korea			
		MEDIALIFE	Selection Korea			
		PANASONIC	Selection Japan			
		PIONEER	Selection Japan			
		GEX-DTV	Selection Japan		**DVB-T2010HD**	
		PORTUGAL	Selection Europe			
		DVB-T20010HD	Selection Europe			
		DVBT55-HD	Selection Europe			
		CMMB-ZW	Selection China			
	Reset	EXCUTE	Config Menu all Reset			
LCKT	**PIONEER**	**ELT-DVBT20**	**Portugal**	**CMMB-ZW**	**GEX-DTV**	**GEX-DTV**

OSD Menu



First Menu	Second Menu	Third Menu	Action
Option	RearCam – Type	OEM	Original Rear camera
		ExtDevice	Use aftermarket Rear camera
	RearCam – Power	ON	Rear camera get +12V consistently
		AUTO	Rear camera get +12V when reverse gear on.
		OFF	Shut out the power supply.
	FrontCam –Type	OEM	Original Front camera
		ExtDevice	Use aftermarket Front camera
	FrontCam – Power	ON	Front camera get +12V consistently
		AUTO	Front camera get +12V when reverse gear on.
		OFF	Shut out the power supply.
	RearCam-RcvOpt	ON	Show Frontcam 25sec after rear mode.
		OFF	Default
	Reset	Excute	Option Menu all Reset

OSD Menu

▶ Navi-RGB Menu

First Menu	Second Menu	Third Menu	Action
Image	Brightness		Adjust the value of brightness
	Contrast		Adjust the value of contrast
	Color – Red		Adjust the value of RED
	Color –Green		Adjust the value of GREEN
	Color –Blue		Adjust the value of BLUE
	Reset	Excute	Option Menu all Reset

▶ DVD,DVB-T(DTV),Navi – AV, Rear, Front Menu

First Menu	Second Menu	Third Menu	Action
Image	Brightness		Adjust the value of brightness
	Contrast		Adjust the value of contrast
	Saturation		Adjust the value of Saturation
	Hue		Adjust the value of Hue
	Sharpness		Adjust the value of Sharpness
	Reset	Excute	Option Menu all Reset

OSD Menu

▶ OSD Setting – Parking Mode

- Display : Parking line display On/Off
- Horizontal : Parking line move Left/Right
- Vertical : Parking line move Up/Down
- TP : Parking line clarity
- AutoPower : Parking line ACC control

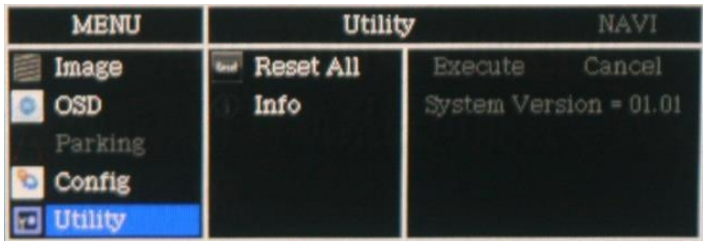
On: Rear camera get a power supply when reverse gear on.
But, Depend on camera Spec. sometimes noise image happen.
Off: Rear camera get a power supply continuous.

Connect to back-light wire.

Connect to rear camera Acc and GND.

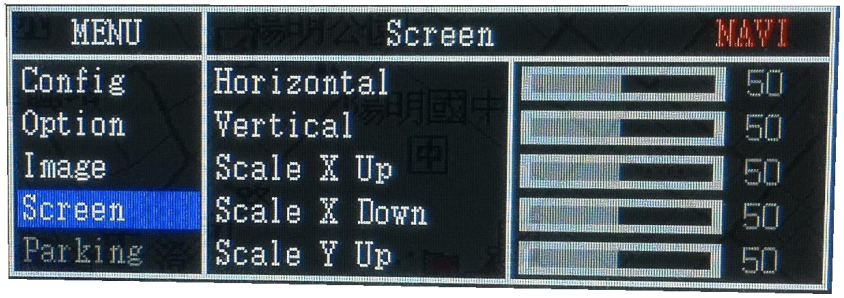
OSD Menu

▶ OSD Setting – Utility Mode



- Reset All : Initialization
- Info: Software version.

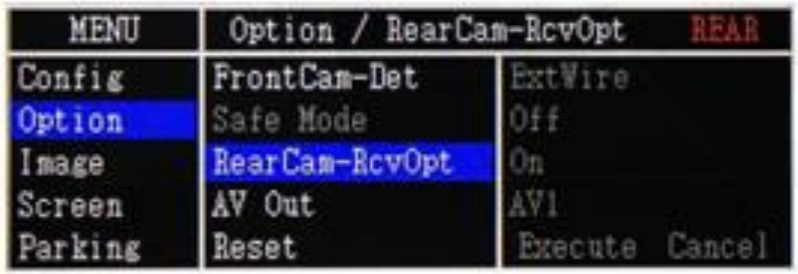
▶ OSD Setting – Utility Mode

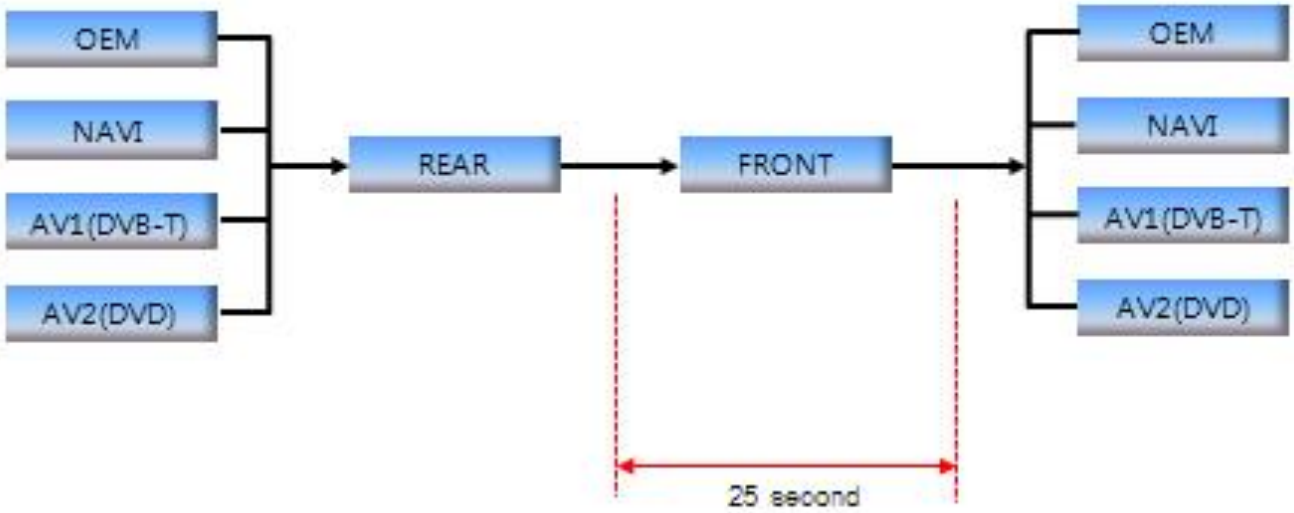


- Horizontal
- Vertical
- Scaler X Up
- Scaler X Down
- Scaler Y Up
- Scaler Y Down

OSD Menu

- **OSD Setting – Front camera Auto Mode**
  - **Option --> RearCam-EcvOpt --> On Setting**





Install Page

ⓐ

Take out Front Cover

ⓑ

Pull out 7mm bolts

ⓒ

Pull out Bolts

ⓓ

Pull out Bolts

Install Page

ⓔ

Pull out Back Cover

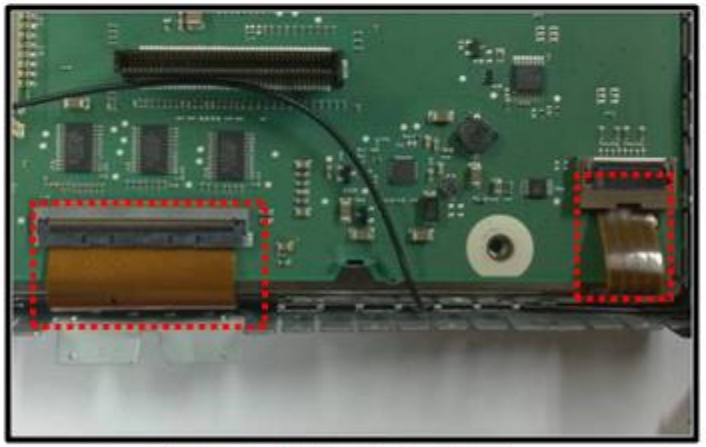
ⓕ

Pull out OEM BOARD

ⓖ

Pull out Back Cover

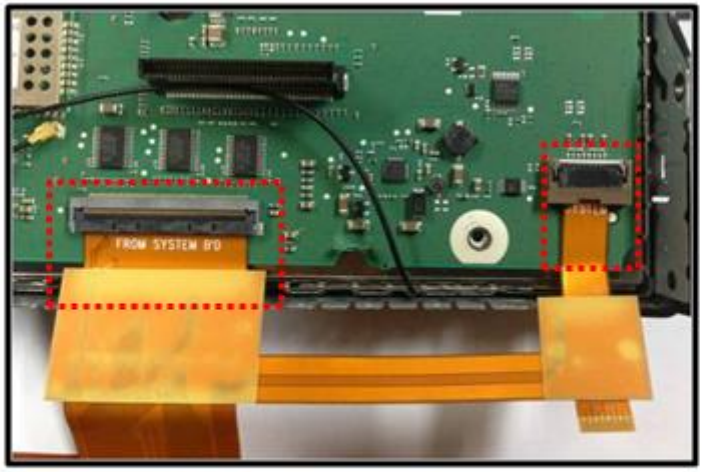
ⓗ



Pull out OEM FPC CABLE

Install Page

ⓘ



Install our FPC CABLE

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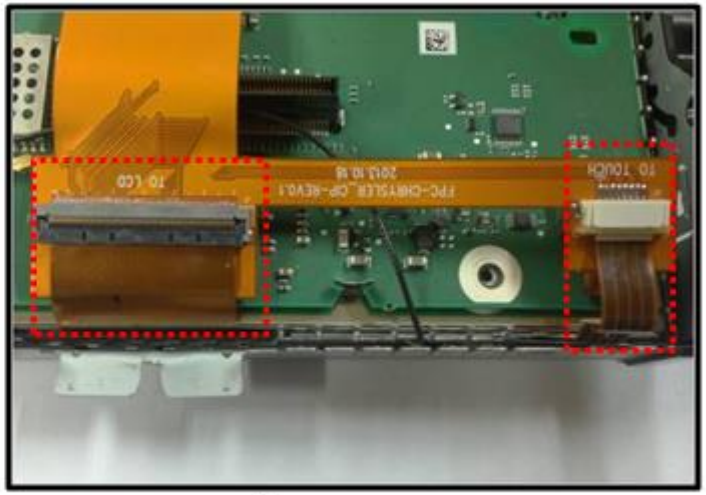

Install OEM FPC CABLE

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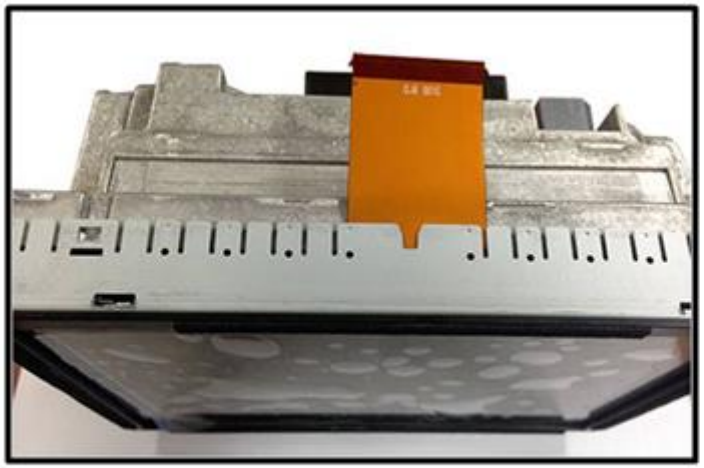

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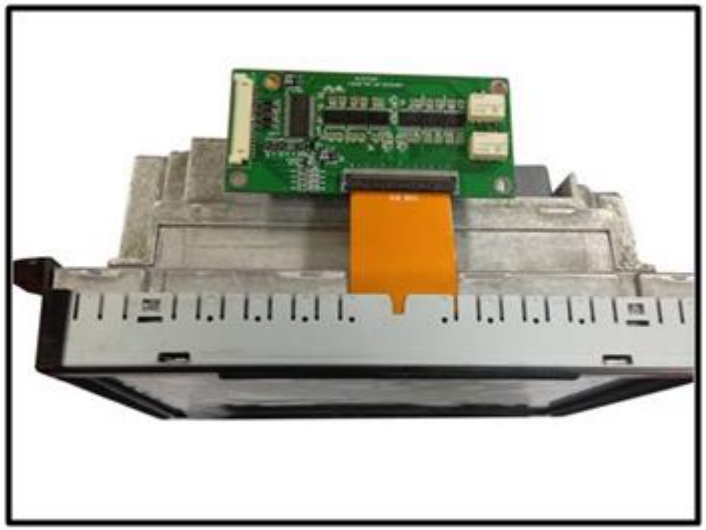
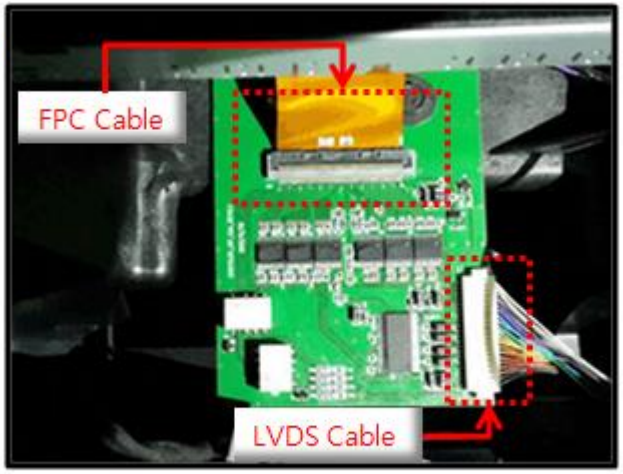


Install SUB BOARD

Install Page



FPC Cable and LVDS Cable connect to Sub-Board

FAQ

1. If Interface has a problem, Please check LED.

- After acc turn on, If Interface does not have a problem; **GREEN** LED is blinking every 1 sec.
- **RED** LED is turn on (not blinking), Interface has a problem.
- **RED** LED is not turning on, there is no input device.
- **RED** LED and **GREEN** LED both are not turn on, check to power cable.

2. When monitor changed to Orange color.

- LVDS cable contact problem or cable problem.

3. When DTV or DVD mode, cannot control with I-Drive

- Check IR cable, and DTV or DVD device's ground cable and Interface ground cable join together with using extra cable.
- Check device in OSD menu