Video interface for Chrysler, Dodge, Jeep with TV-FREE function and VES activation

Contents

Specification

1. Input Spec. (MULTI VIDEO INTERFACE)

   - 1 x Analog RGB Input (Navigation System output)

   - 1 x UART Port (Touch control)

2. Output Spec.

   - 1 x Rear Camera Power

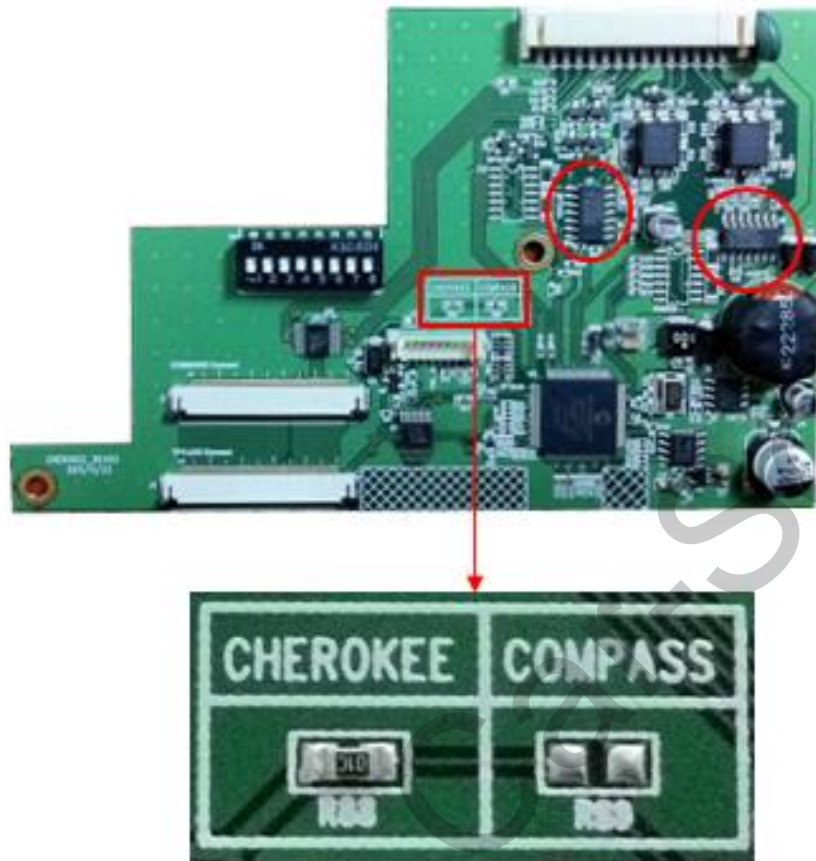   - 1 x Navigation ACC On Signal

3. Power Spec.

   - Input Power : 8VDC ~ 24VDC

   - Consumption Power : 5Watt, Max

4. Switch Input mode

   - Possible to switch input mode with toggle switch.

   - By button on the Steering wheel in the car via CAN

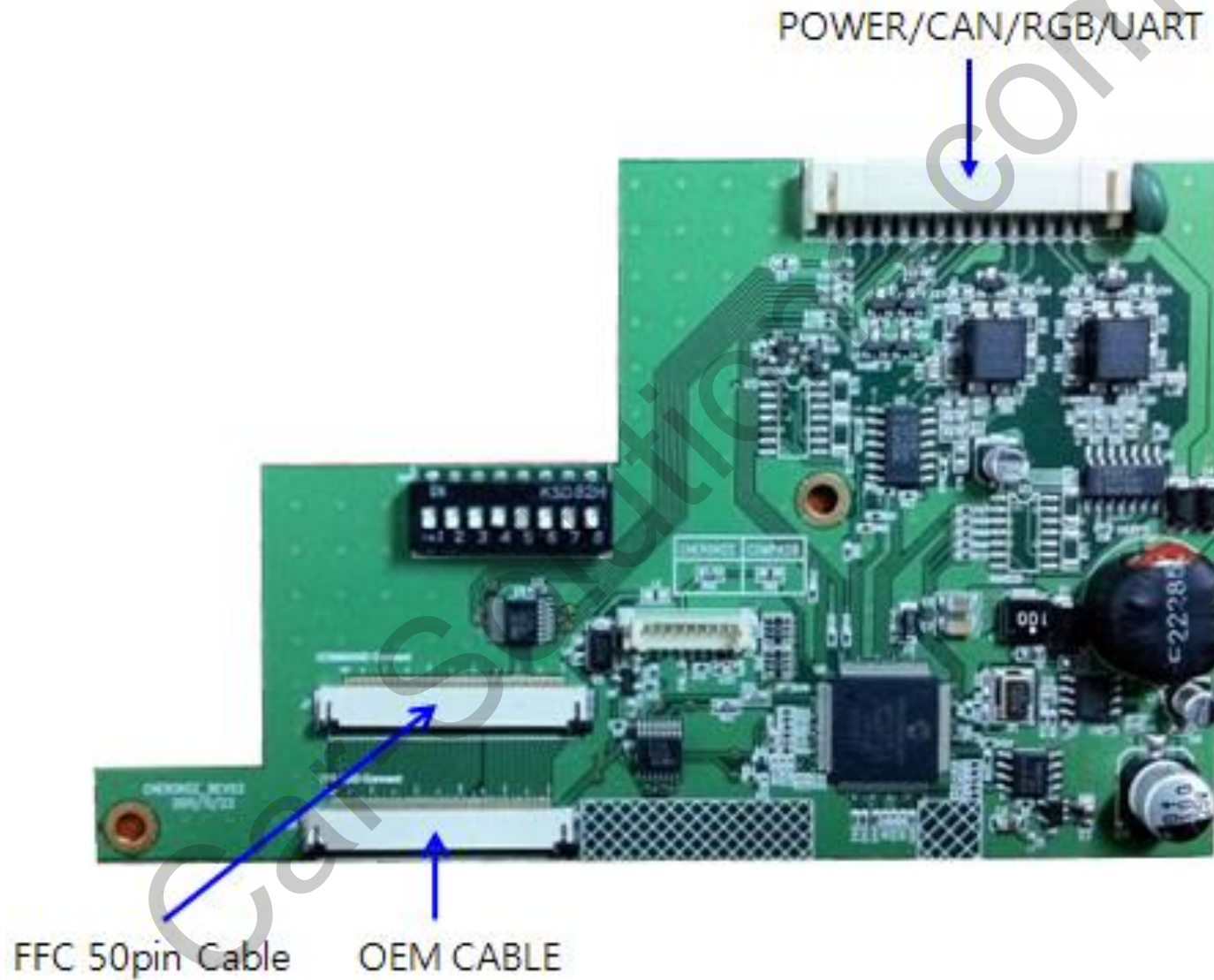   - By button on the Commander in the car via CAN

Classification

- Grand Cherokee
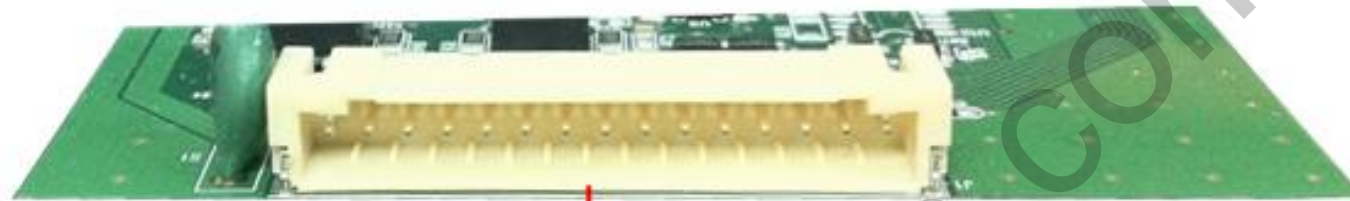
- Wrangler Rubicon
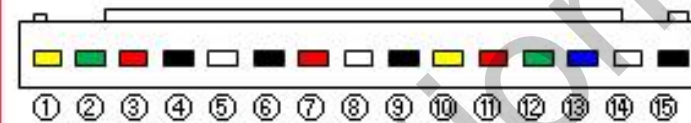
- COMPASS

External Appearance

POWER/CAN/RGB/UART

FFC 50pin Cable

OEM CABLE

Connector Pin Assignment

*POWER Connector

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮
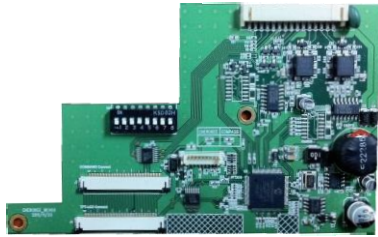
① BATTERY (Yellow)
② CAN-L in (Green)
③ CAN-H in (Red)
④ CAN-L out (Black)
⑤ CAN-H out (White)
⑥ GND (Black)
⑦ NAVI-ACC (Red)
⑧ Rear Camera Power (White)
⑨ UART TX (Black)
⑩ UART RX (Yellow)
⑪ NAVI-RED (Red)
⑫ NAVI-GREEN (Green)
⑬ NAVI-BLUE (Blue)
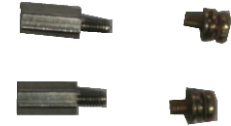⑭ NAVI-SYNC (White)
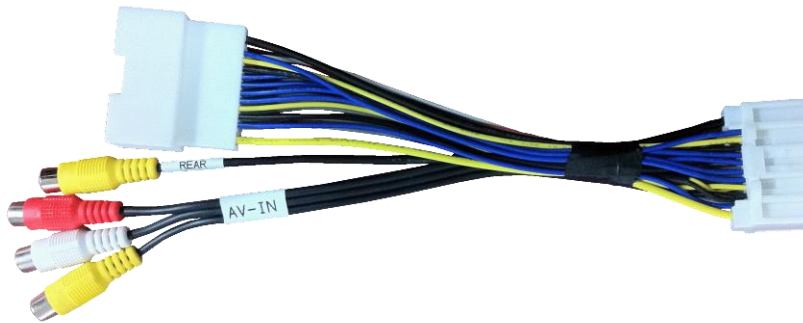⑮ NAVI-GND (Black)

Product Composition
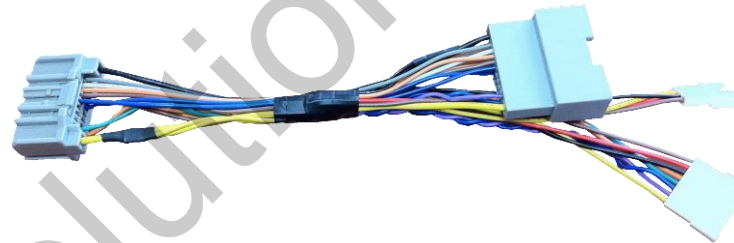
Interface Board 1 EA

FFC Cable 1 EA

BEAM, BOLT 2 EA
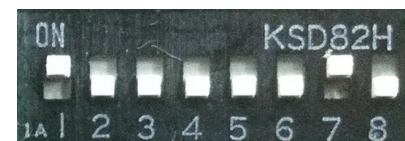
A/V Cable 1 EA

POWER/CAN Cable 1 EA

INTERFACE Cable 1 EA

GPS Cable - OPTIONAL

DIP S/W Setting

※ ON : DOWN , OFF : UP

PIN	FUNCTION	DIP S/W Selection	
1	GPS INPUT MUTE	ON OFF	: GPS Display : Skipping GPS Mode
2	N.C		
3	GPS Selection	ON OFF	: KD-900X GPS use : GI-4000 GPS use
4	VES Mode	ON OFF	: Ext. Video use : Not Use
5	N.C		
6	DTV-FREE	ON OFF	: Use : Not Use
7	REAR Mode	ON(7), ON(8) ON(7),OFF(8) OFF(7),ON(8) OFF(7),OFF(8)	: OEM Rear Camera : Not use Rear Camera : Interface Rear Camera : NAVI Rear Camera
8			

Use GPS
Not use rear camera

Use GPS
Use oem Rear camera
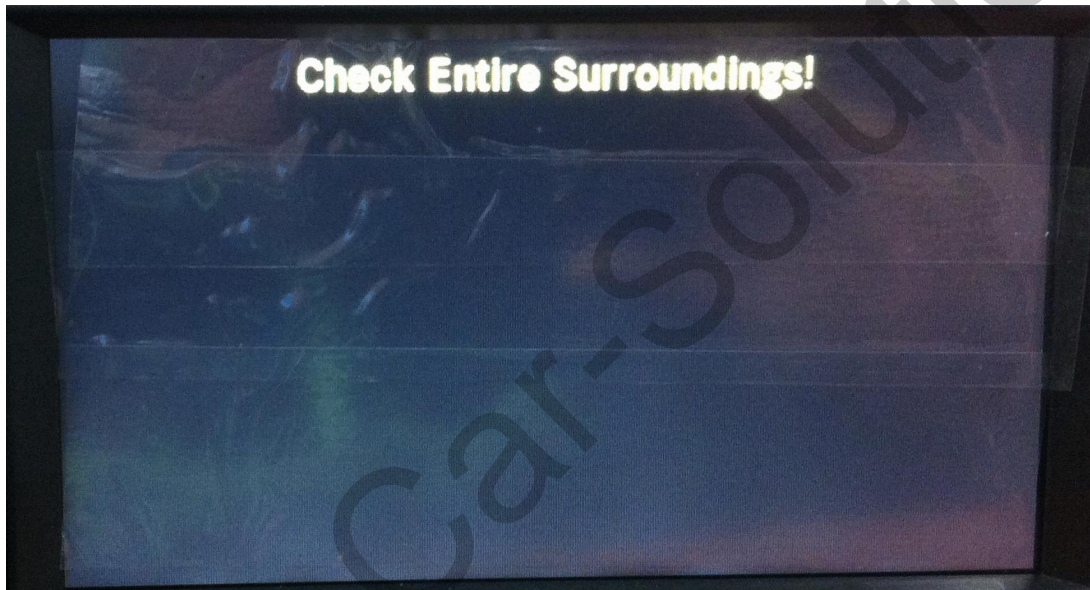

Use GPS
Use external rear camera with AV1.

DIP S/W Setting

※ Select "**Interface Rear camera**" on REAR MODE.
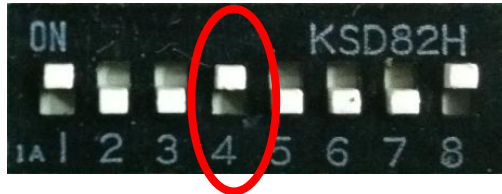
Dip S/W **OFF(7),ON(8) : Interface Rear Camera**

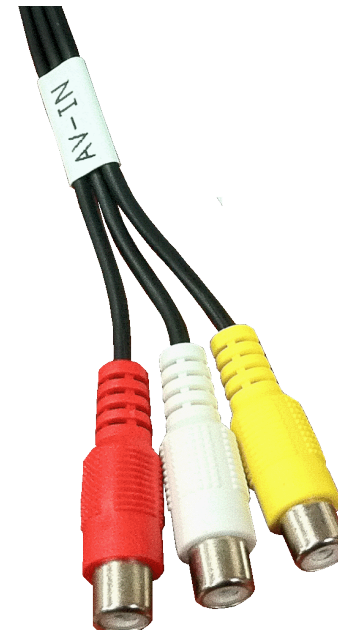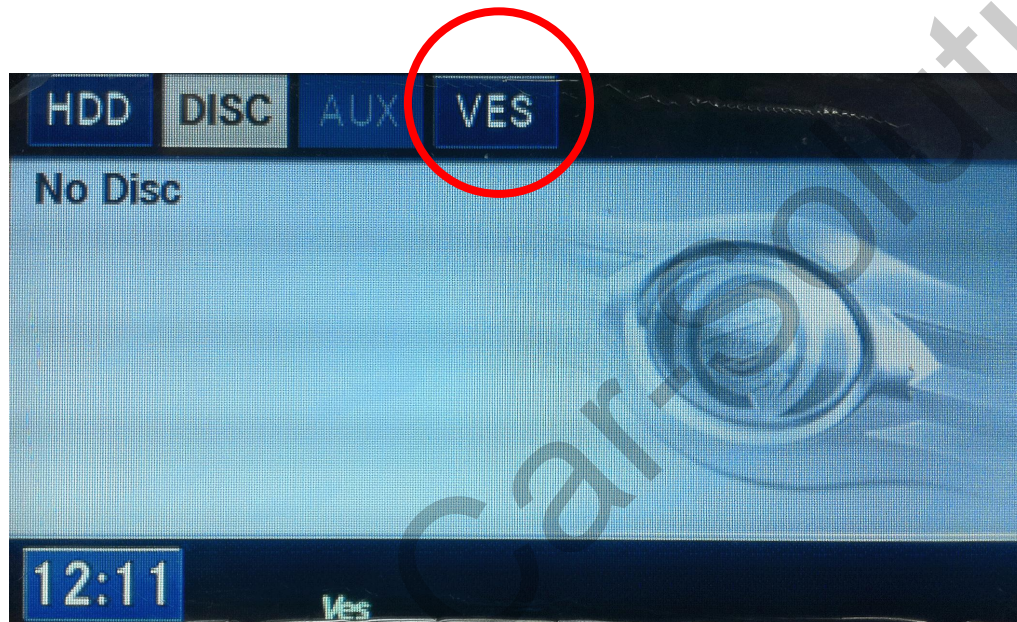After "**Check Entire Surroundings!**" Message. Than appear rear camera image.

DIP S/W Setting

※ **Select "VES MODE"**

"VES" Icon appears on the screen. Than touch "VES" icon, than change to AV mode.
But, "Grand Voyager and original VES option car, cannot use!

Steering Wheel Button

Push 1 sec, change to Navigation Mode.
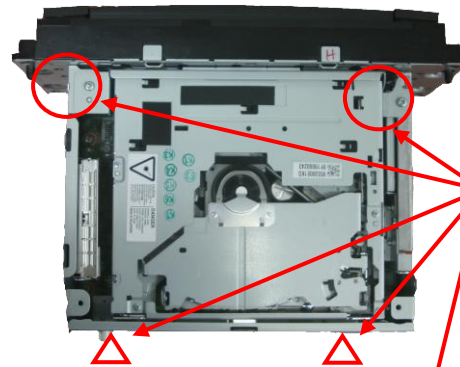
Installation (Monitor Part)

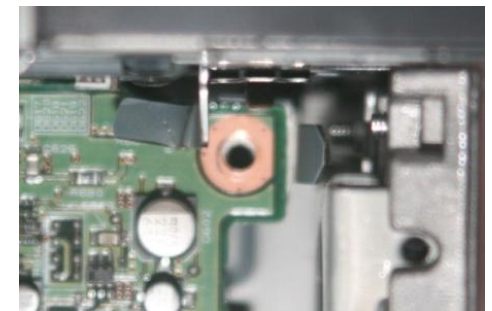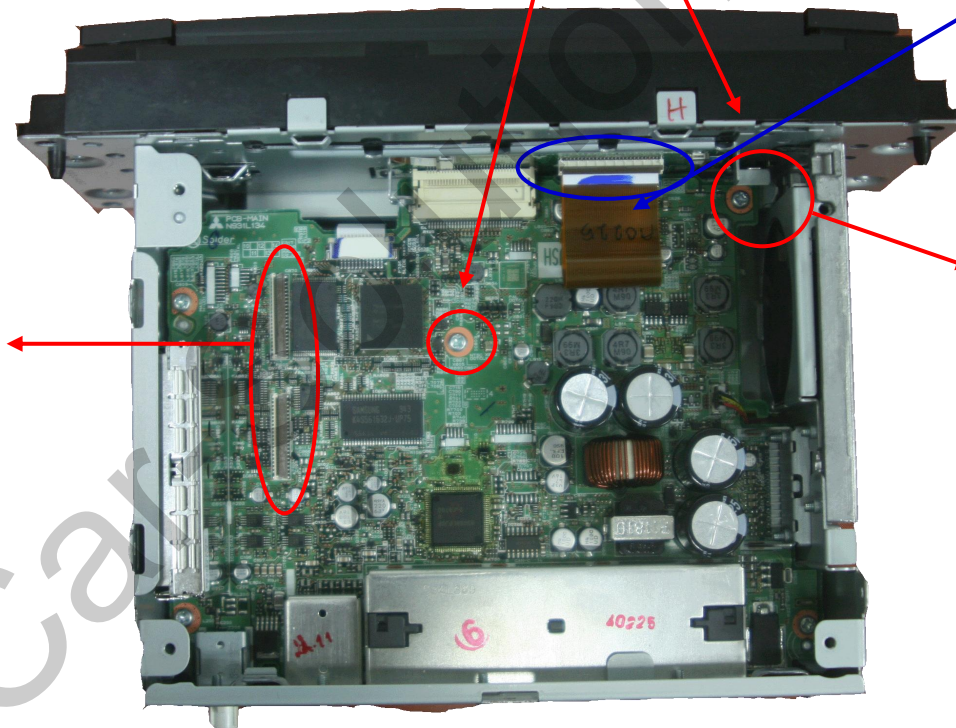Remove the screw

Installation (Audio Deck Part)

Remove the screw

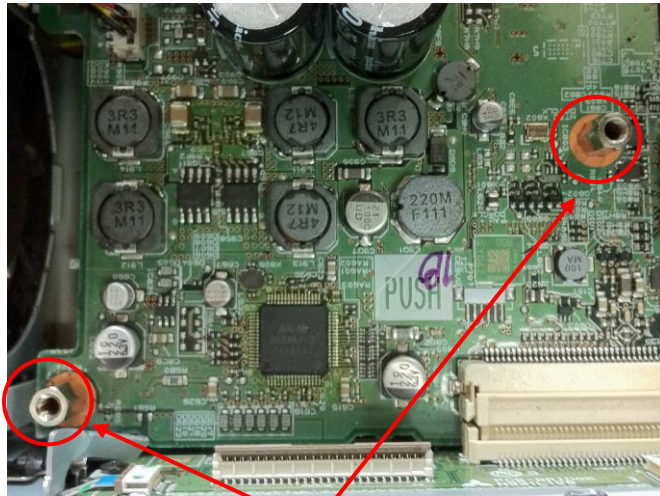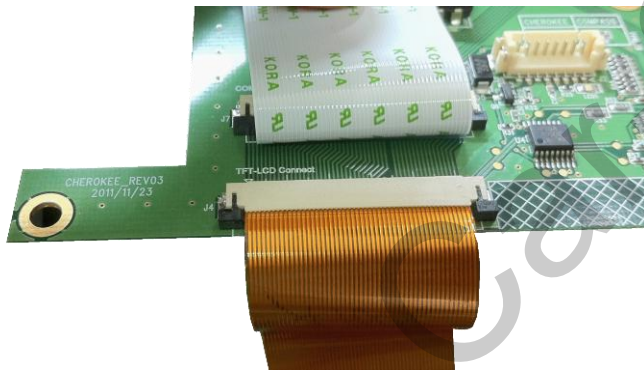Remove the Screw / Separate the FFC cable

Separate the DVD
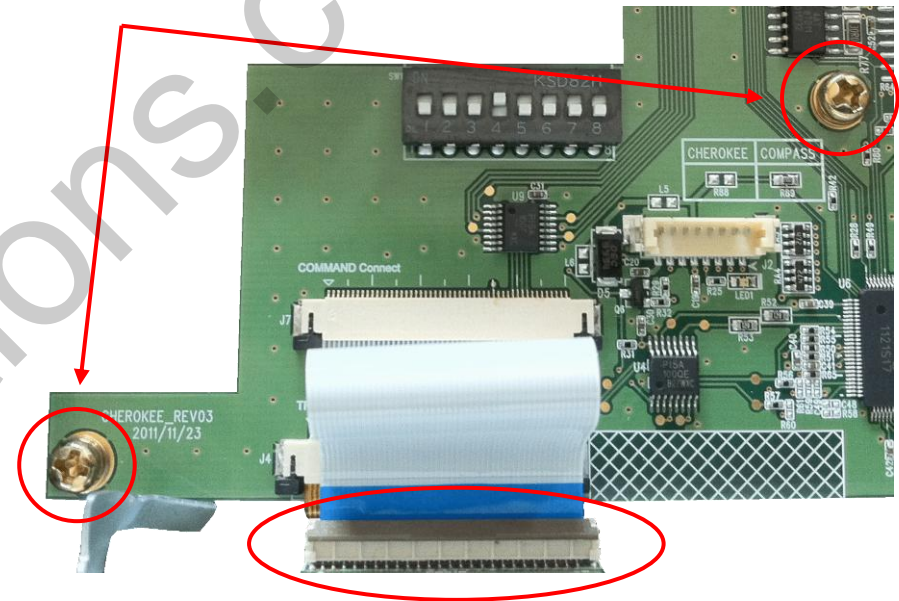
Bend like a photo for support beam

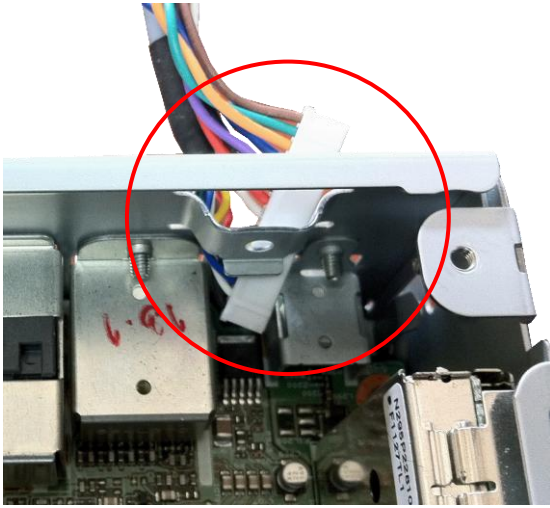# Installation (Interface Part)

Install the support beam
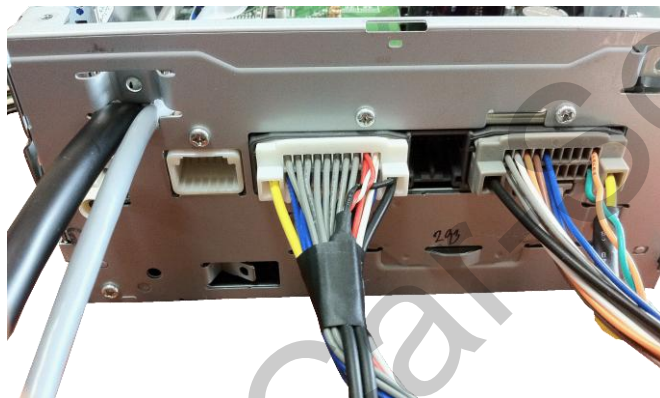
Screw the bolts

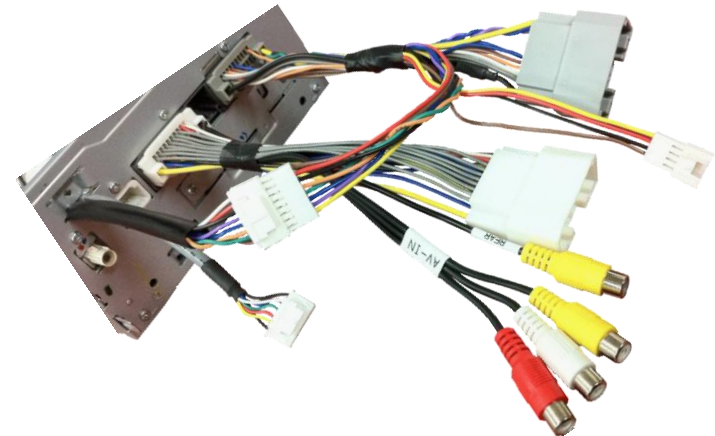Connect to our FPC cable

Installation (Cable Part)

Our cable put into the H/U
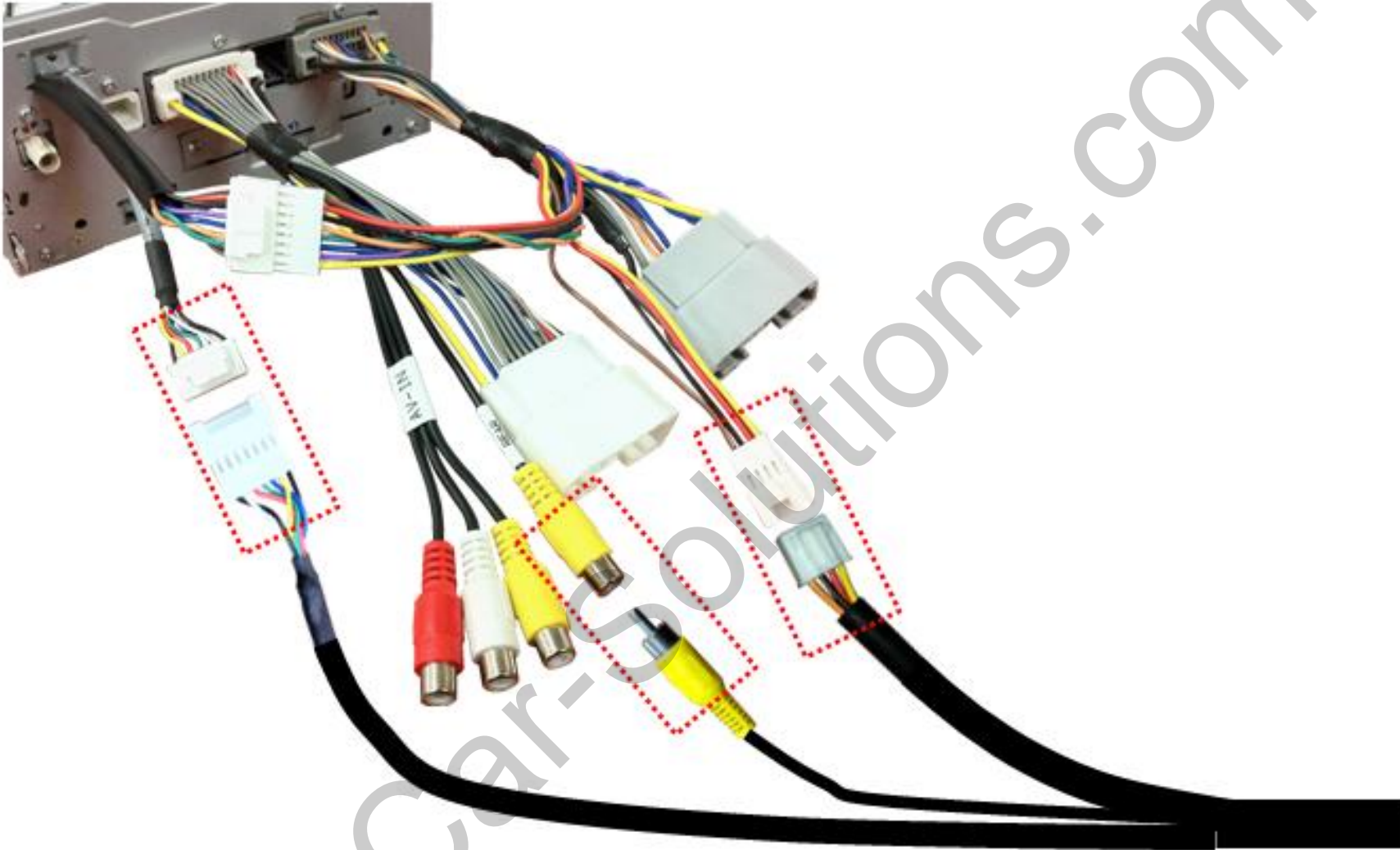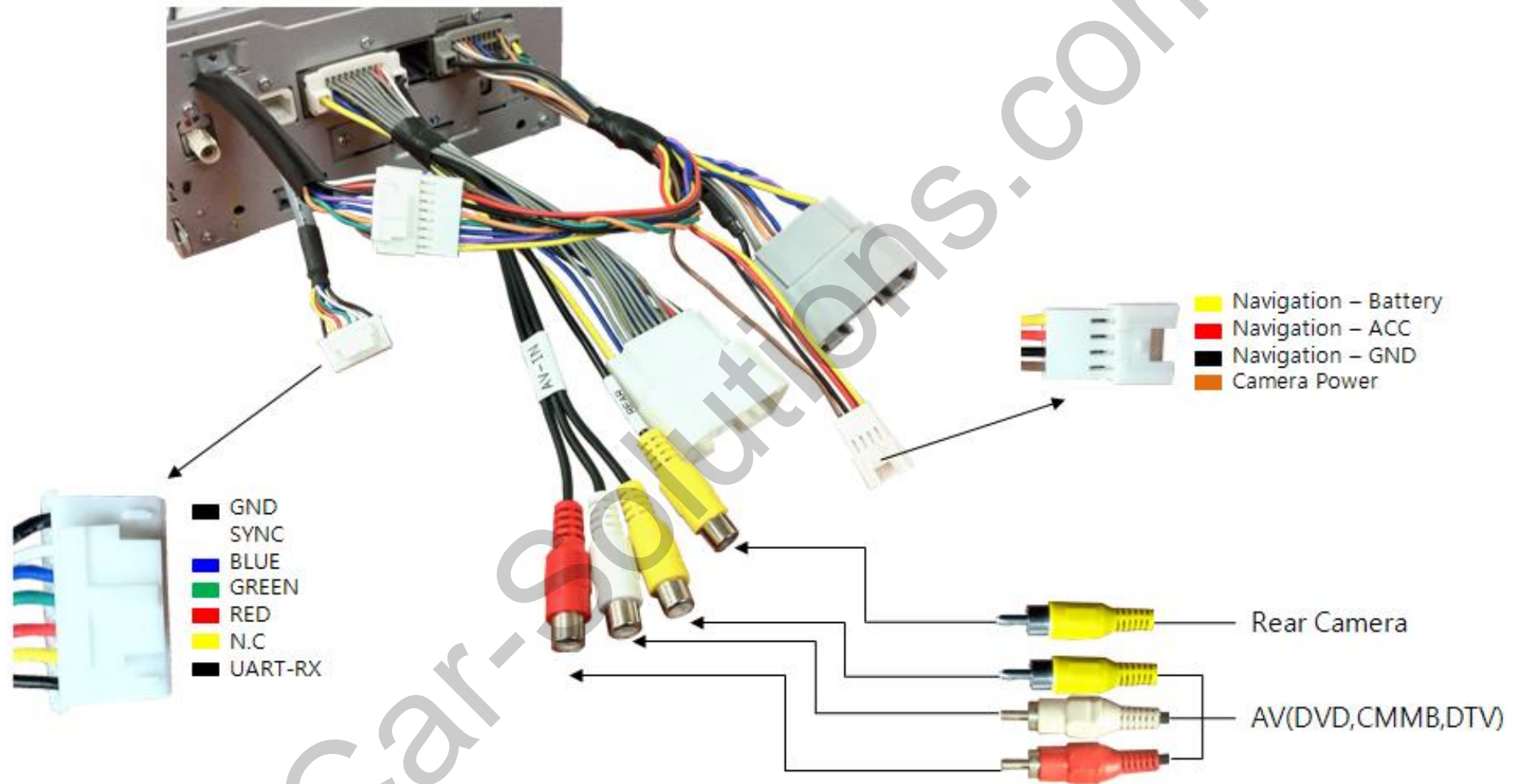
Interface cable   A/V cable   POWER/CAN cable

Installation (Cable Connection)

Installation (Interface connection)

GND
SYNC
BLUE
GREEN
RED
N.C
UART-RX

Navigation – Battery
Navigation – ACC
Navigation – GND
Camera Power

Rear Camera

AV(DVD,CMMB,DTV)

※ UART-RX and RXD(KD900X) connection