BENZ 2015 PAS TDC2 (VIDEO Interface)

MODEL	MB-PAS-151118
DATE	2016.01.13

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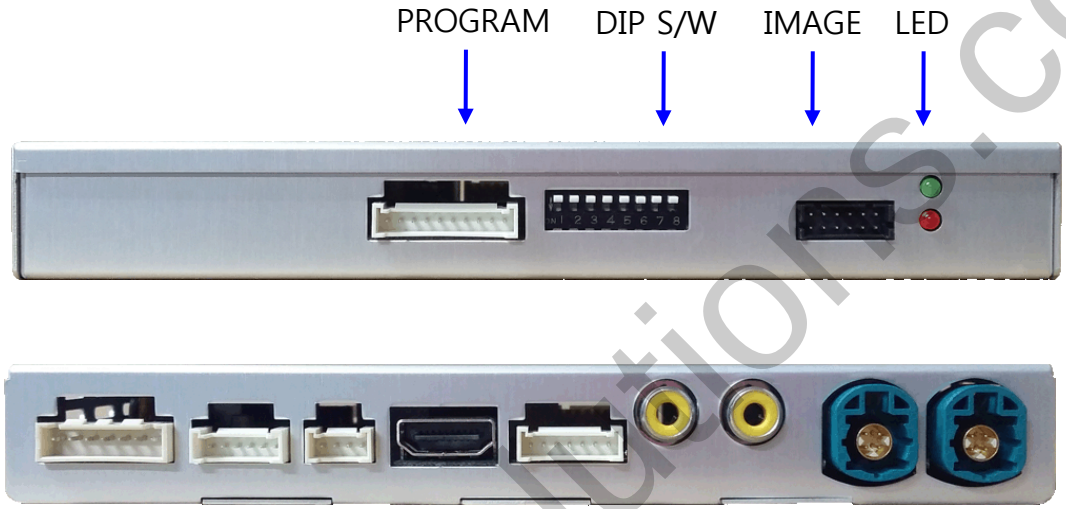
External Appearance



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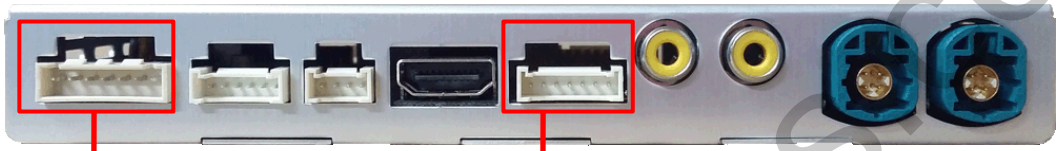
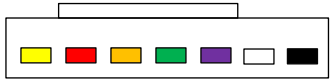
Connector Pin Assignment



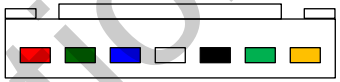
*POWER Connect



① ② ③ ④ ⑤ ⑥ ⑦

① ACC(Yellow)
② REAR_POWER (Red)
③ CAN-HIGH (Orange)
④ CAN-LOW (Green)
⑤ CAN-HIGH (Purple)
⑥ CAN-LOW (White)
⑦ GND (Black)

*NAVI Connect



① ② ③ ④ ⑤ ⑥ ⑦

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

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Product Composition

Interface 1 EA

RGB Navi Cable(7pin) 1 EA

LVDS Cable 1 EA

Power Cable(7pin) 1 EA

Touch Cable converter (for KD-900) 1 EA

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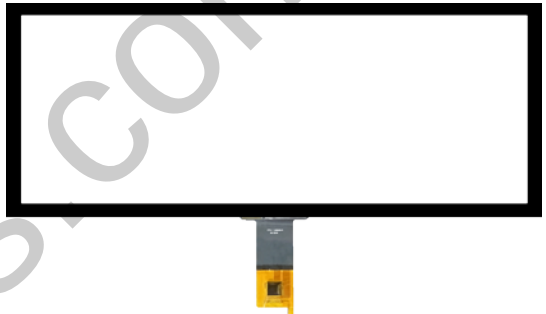
Product Composition Option

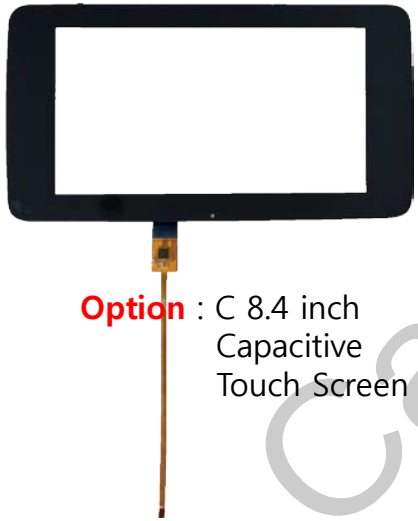
TOUCH Option

Option : Touch Cable

Option : TOUCH Board

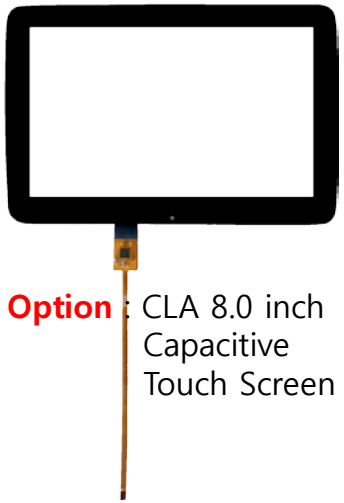


Option : S 12.2 inch Capacitive Touch Screen



Option : C 8.4 inch Capacitive Touch Screen

Option : CLS 8.0 inch Capacitive Touch Screen



Option : CLA 8.0 inch Capacitive Touch Screen

Option : E 7.0 inch Capacitive Touch Screen

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DIP S/W Setting

*** ON : DOWN , OFF : UP**

PIN	FUNCTION	DIP S/W Selection
1	NAVI	ON : Not Used OFF : Used
2	DVB-T(AV1)	ON : Not Used OFF : Used
3	DVD(AV2)	ON : Not Used OFF : Used
4	N.C	
5	REAR Operation	ON : USER OFF : OEM
6	CAR type SEL	Right Picture
7		
8		

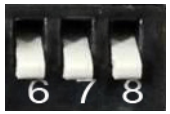
*** DIP S/W Example**

C class 8.4” Model

C/GLC class 7” Model

E/B/CLA/CLS/GLE class 7” /8” Model

S class 12” Model



S class 12” split view

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DIP S/W Setting

* Use Navigation : DIP-SW 1 = OFF

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DIP S/W Setting

Time setting : Parking(P) to Drive(D) mode

P
R
N
D
2
L

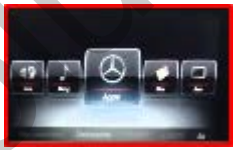
Parking Mode

P
R
N
D
2
L

Parking 15sec after or Drive 10Km speed

OEM

No Delay



OEM

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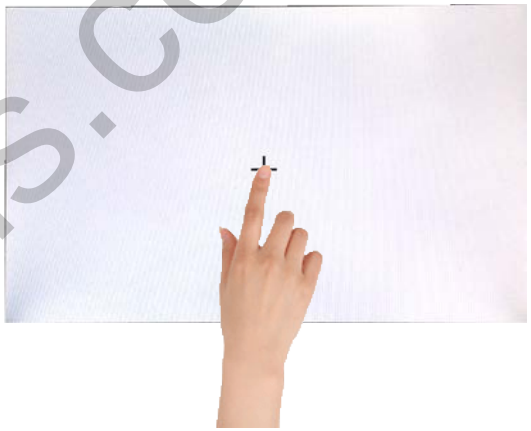
Touch Control

Touch calibration

Push 7sec on the NAVI / AV1 / AV2 screen (just 1 screen)



Press+

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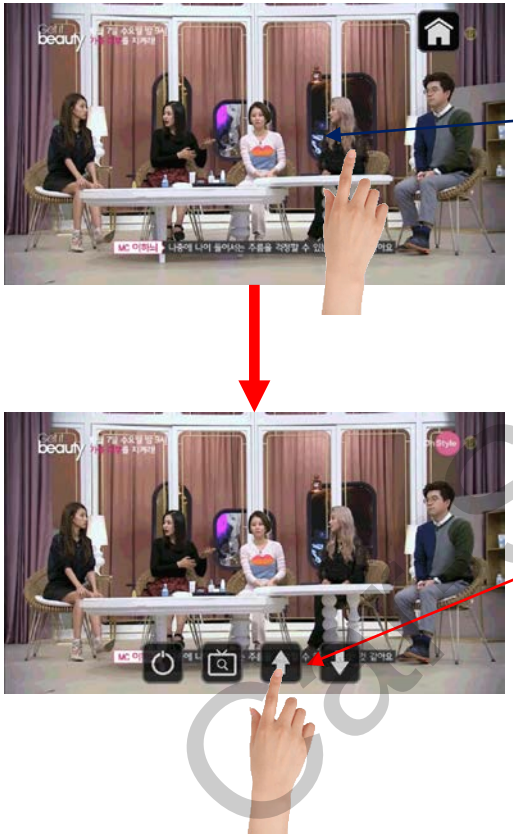
Touch Control

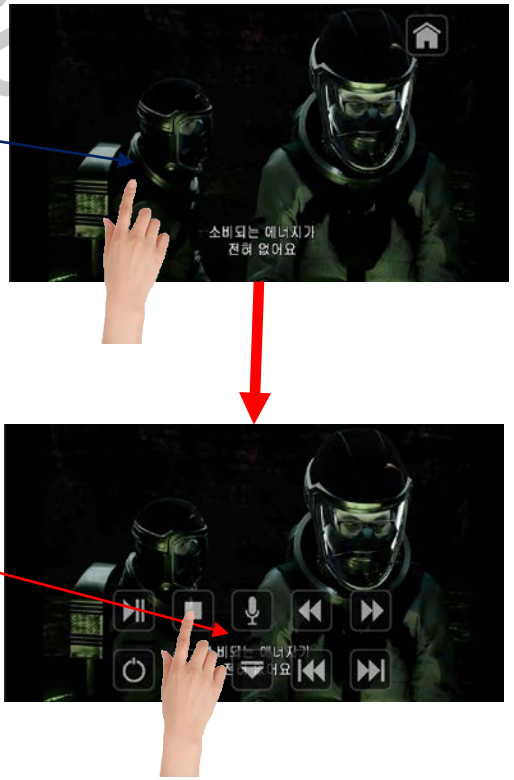
DVB-T/DVD Control

DVB-T

DVD



Press Touch(Anywhere)



Press Icon

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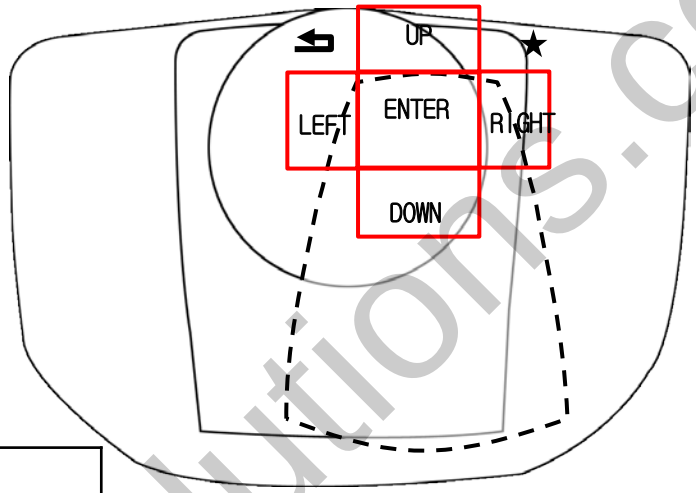
OSD(On Screen Display) Control

OSD Control Board



★	Push 6sec OSD ON Push short MENU EXIT
ENTER	Item Selection, Value Selection
UP	Item up Increase selected value
RIGHT	First->Second->Third Menu move Third Menu에서 Item down Increase selected value
DOWN	Item down Decrease selected value
LEFT	Third->Second->First Menu move Third Menu -> Item up Decrease selected value

Mode State

First Menu Second Menu Third Menu

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OSD(On Screen Display) Control

First Menu	Second Menu	Third Menu	Action
Option	RearCam-Type	OEM	Original 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 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

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OSD(On Screen Display) Control

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(DMB),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

<< Brightness >>

<< Contrast >>

<< Saturation >>

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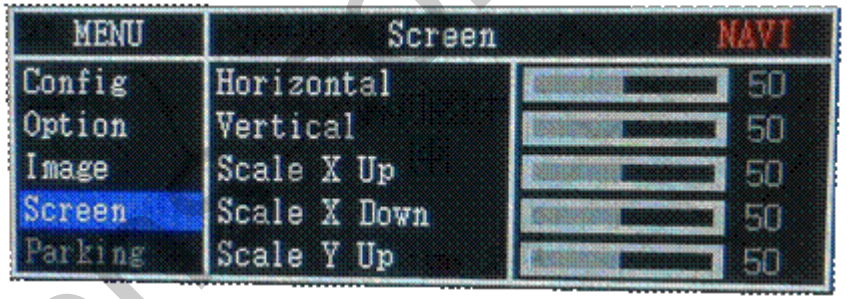
OSD(On Screen Display) Control

OSD Setting- Screen Mode

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



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OSD(On Screen Display) Control

OSD Setting - Parking Mode On/Off

PARKING LINE ON

PARKING LINE OFF

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OSD(On Screen Display) Control

OSD Setting - Parking sensor Display On/Off

OPS ON

OPS OFF

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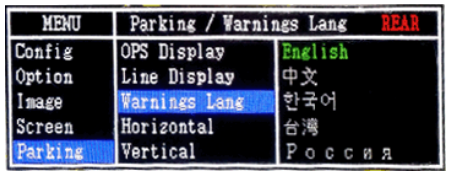
OSD(On Screen Display) Control

OSD Setting - Warnings Language Change



English → Check entire surroundings!

中文 → 请注意车辆周围环境!

한국어 → 차량 주변을 전부 확인

台灣 → 請注意車輛周圍環境!

Россия → *Следите за всем окружением автомобиля!*

日本 → 周辺の安全を確認

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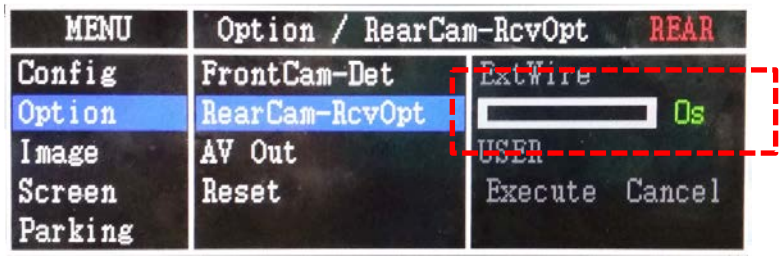
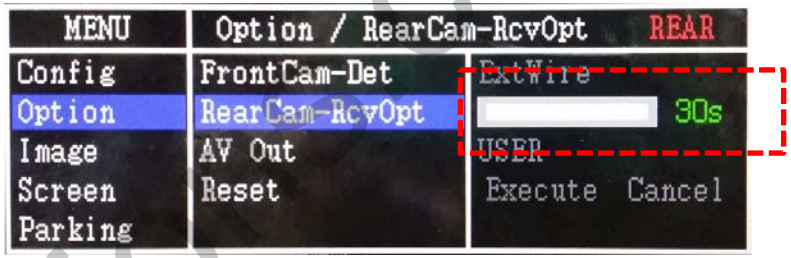
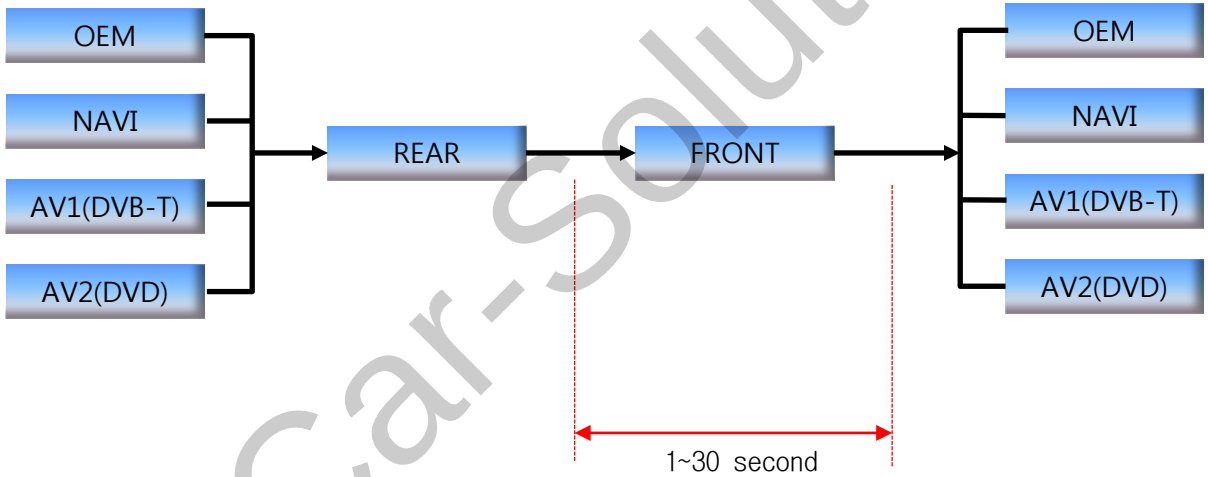
OSD(On Screen Display) Control

OSD Setting - Front Camera Auto Mode







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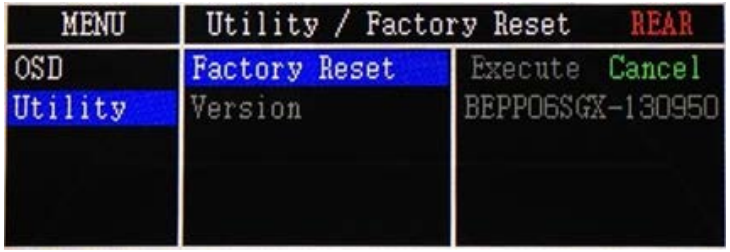
OSD(On Screen Display) Control

OSD Setting - Utility Mode



- Factory Reset : Execute - Reset All (Setting Default)
- Version : FW Version
  Finish update FW, check the FW version

Last Source : BEPP06SGX-130950

- Software Version
- Software Month
- Software Year
- Special Version
- National : CN=CHINA, KR=KOREA, JP=JAPAN, US=United States
- Hardware Version
- PIP model : PP=PIP, LV=LVDS
- Motor model : BM=BMW, BE=BENZ, MA=MASERATI, LX:LEXUS

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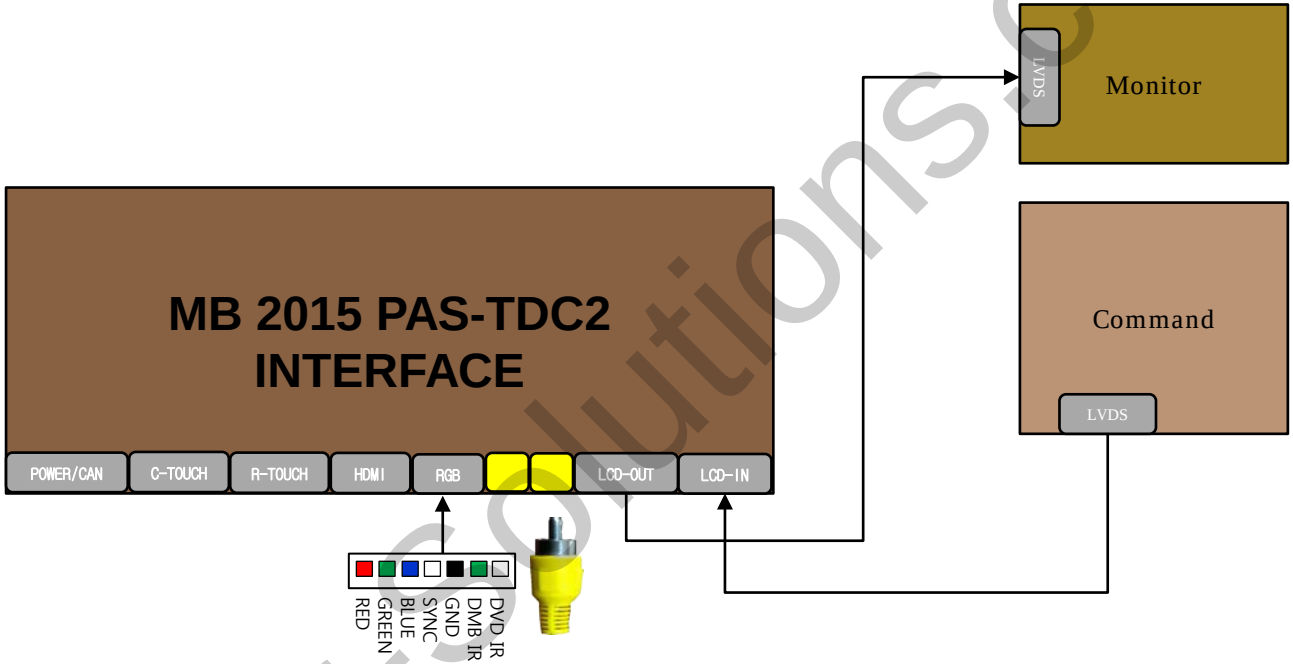
Install Manual

1. Installation Diagram



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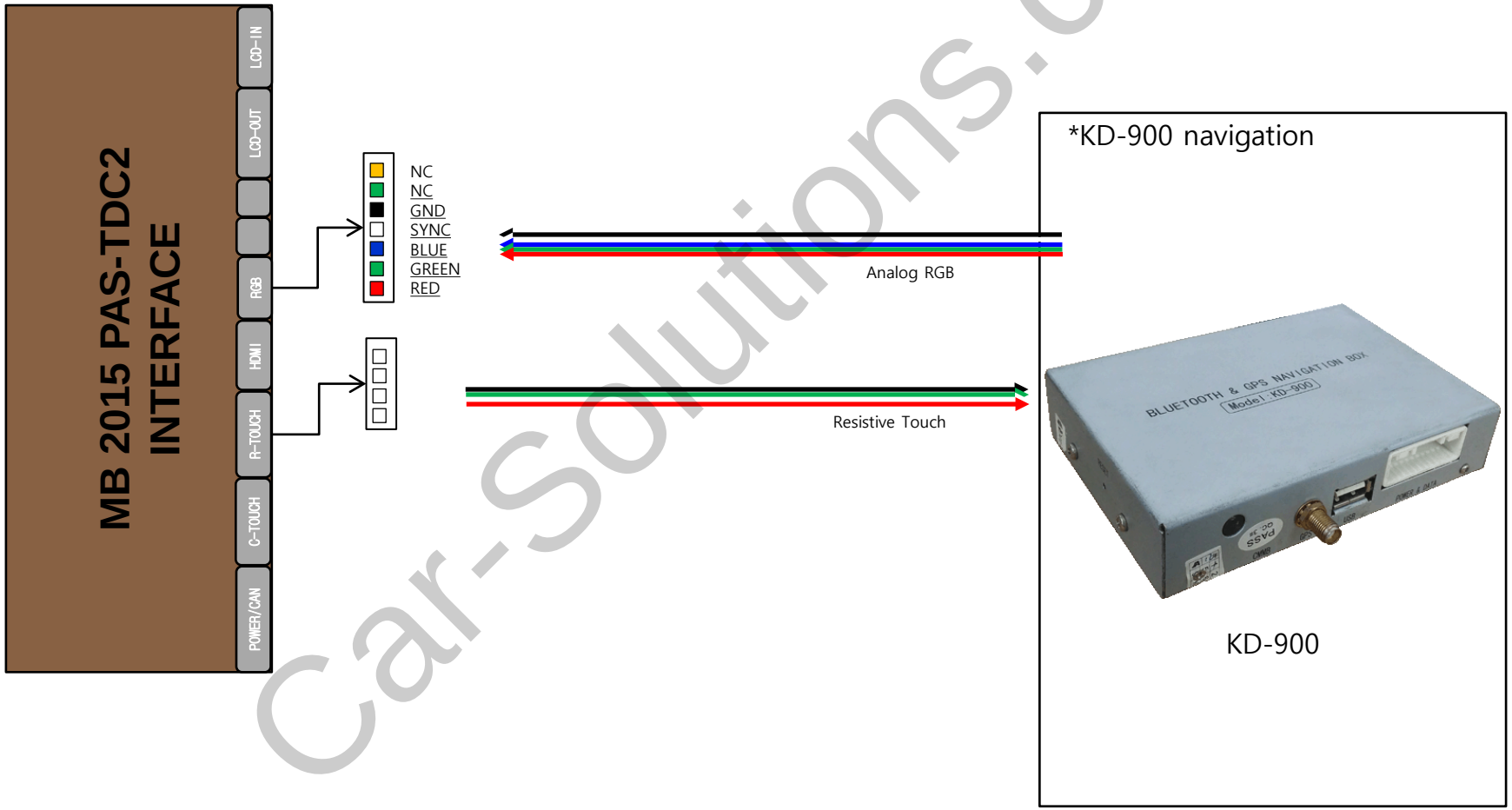
Install Manual

2. Installation Navigation Connection



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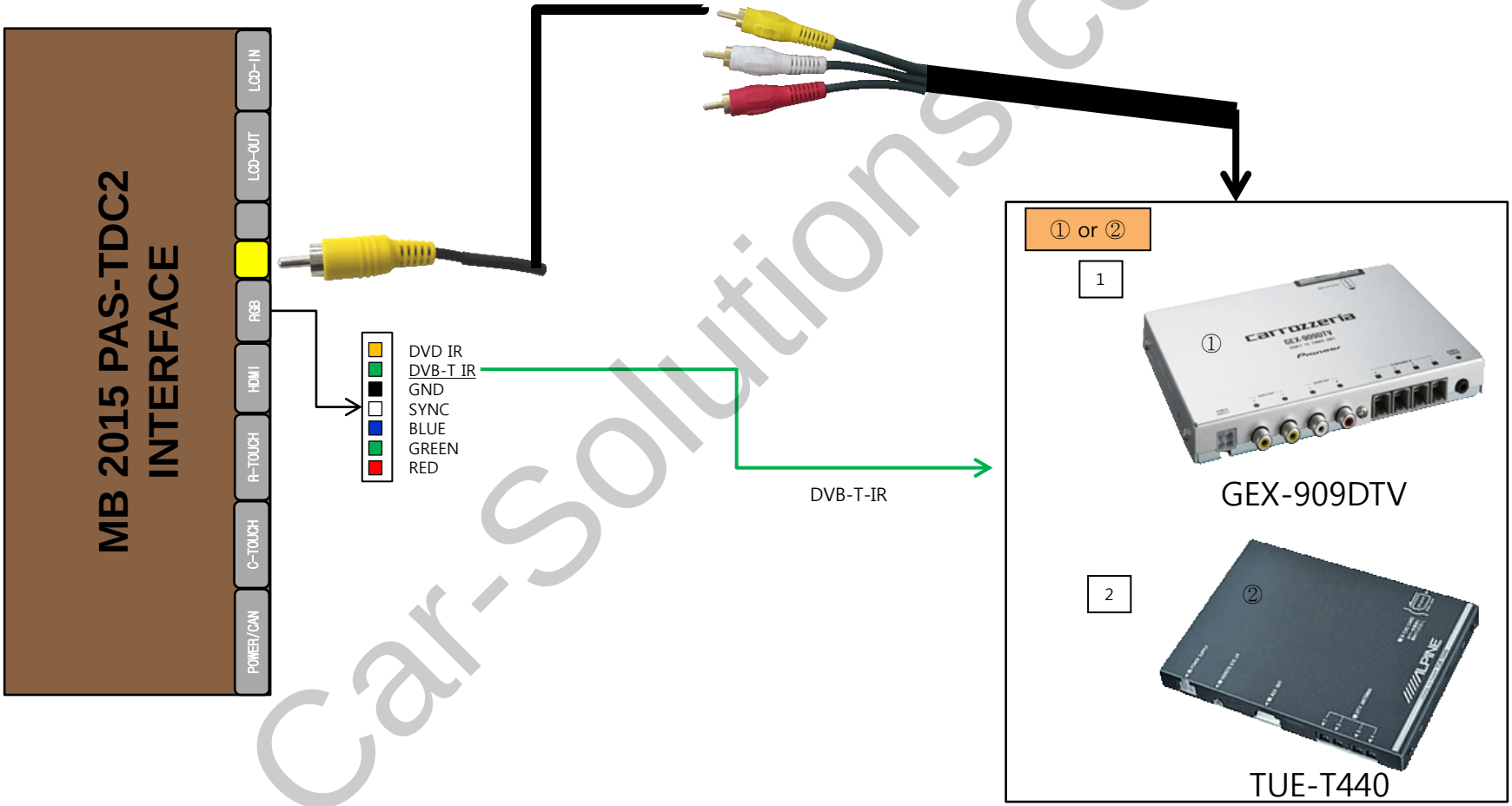
Install Manual

3. Installation DVB-T Remote Control Connection



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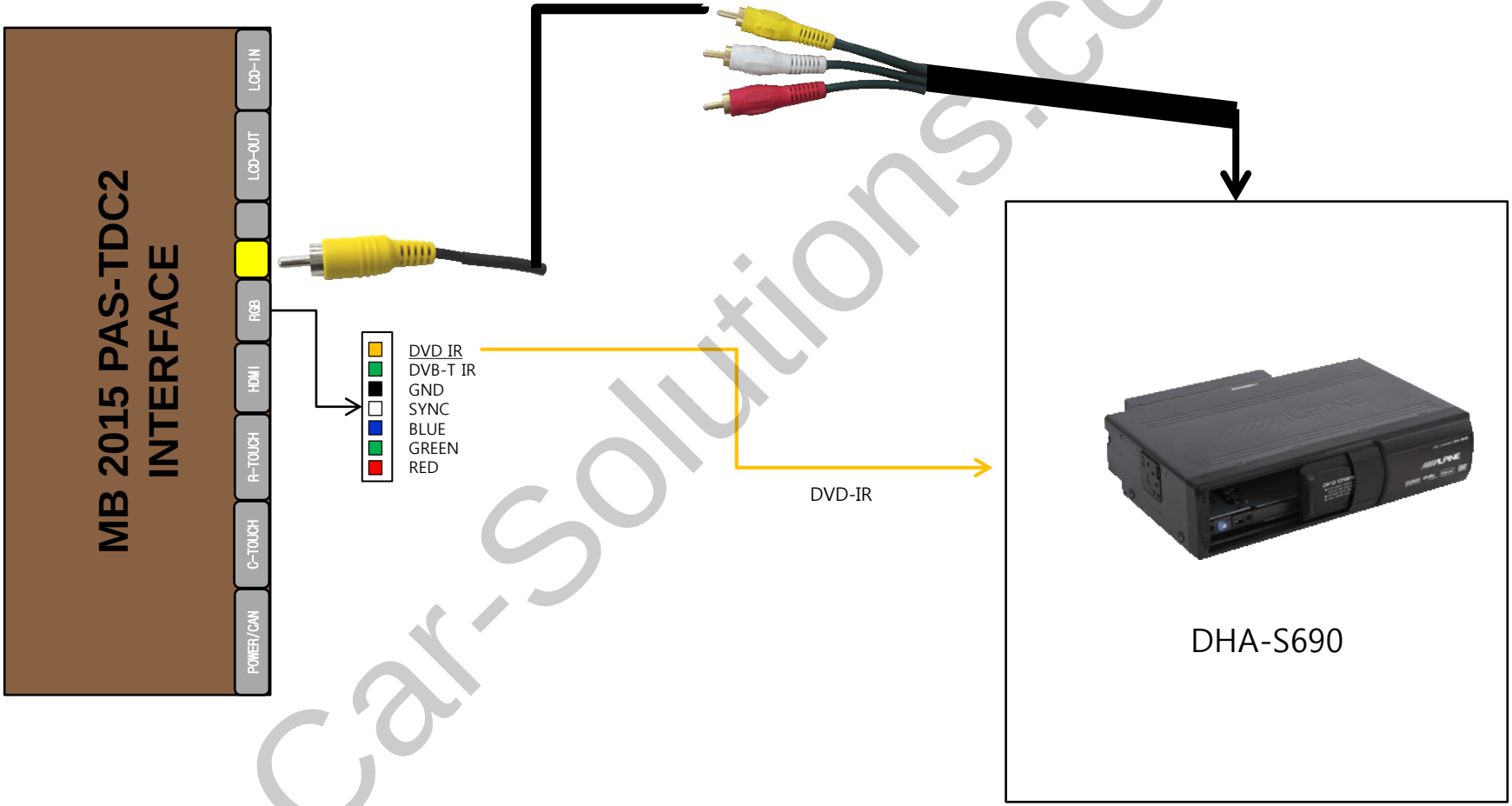
Install Manual

4. Installation DVD Remote Control Connection



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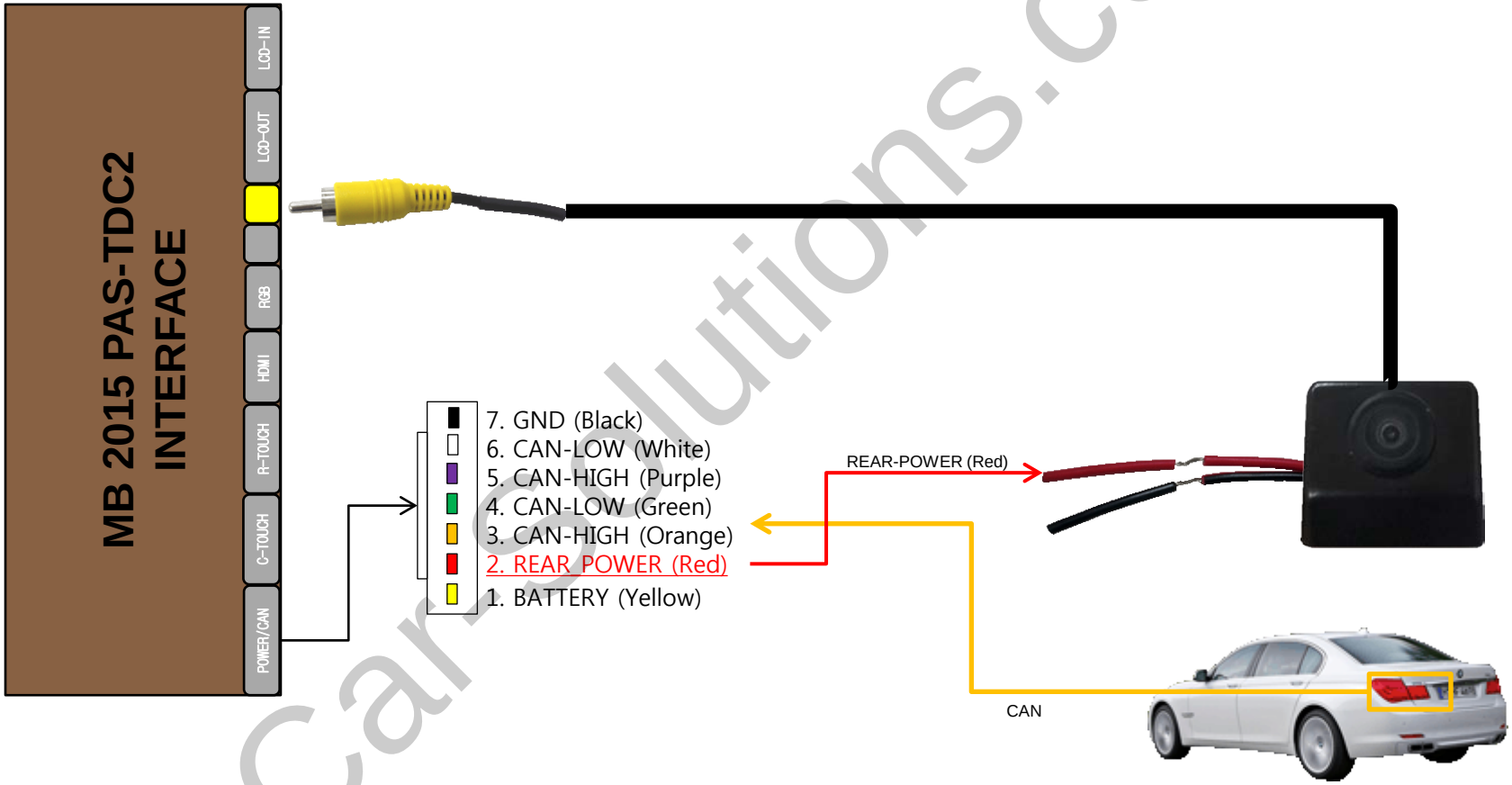
Install Manual

5. Installation External Reverse(Rear) Camera Connection : OSD Screen selection CAN



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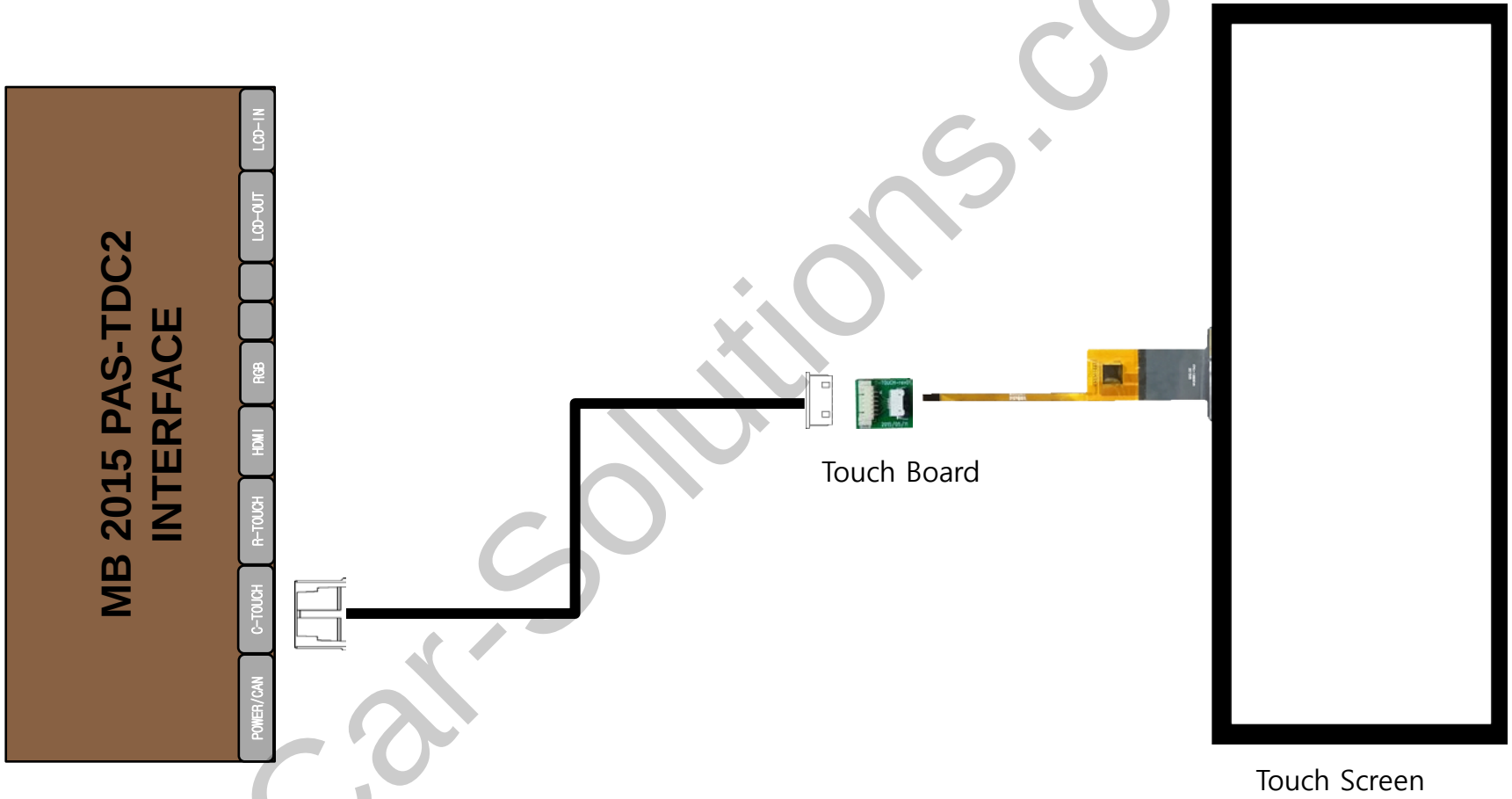
Install Manual

6. Installation Capacitive Touch Screen



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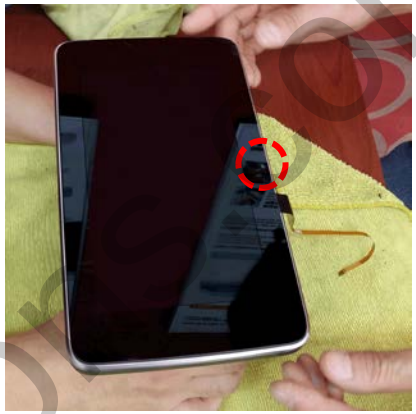
Install Manual TOUCH - 8.4"

①

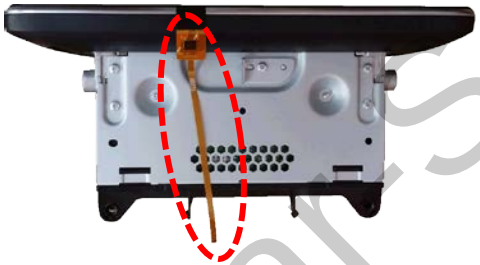
Clean up the monitor

②



Put the screen panel carefully.
and check the sensor position

③



Take out cable to behind the monitor

④

Put the touch board

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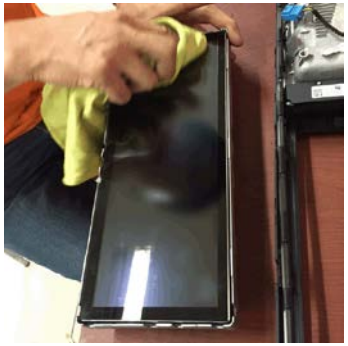
Install Manual TOUCH 12.2″

①

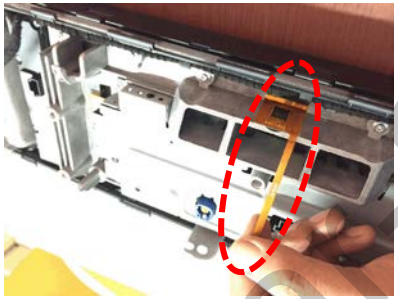


Clean up the monitor

②

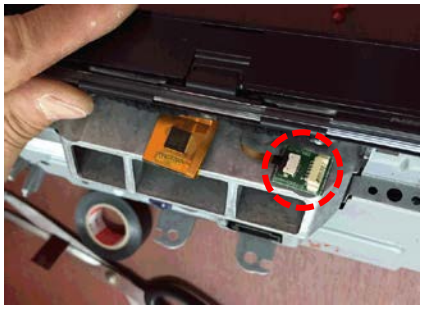
Put the screen panel carefully.
and check the sensor position

③



Take out cable to behind the monitor

④



Put the touch board

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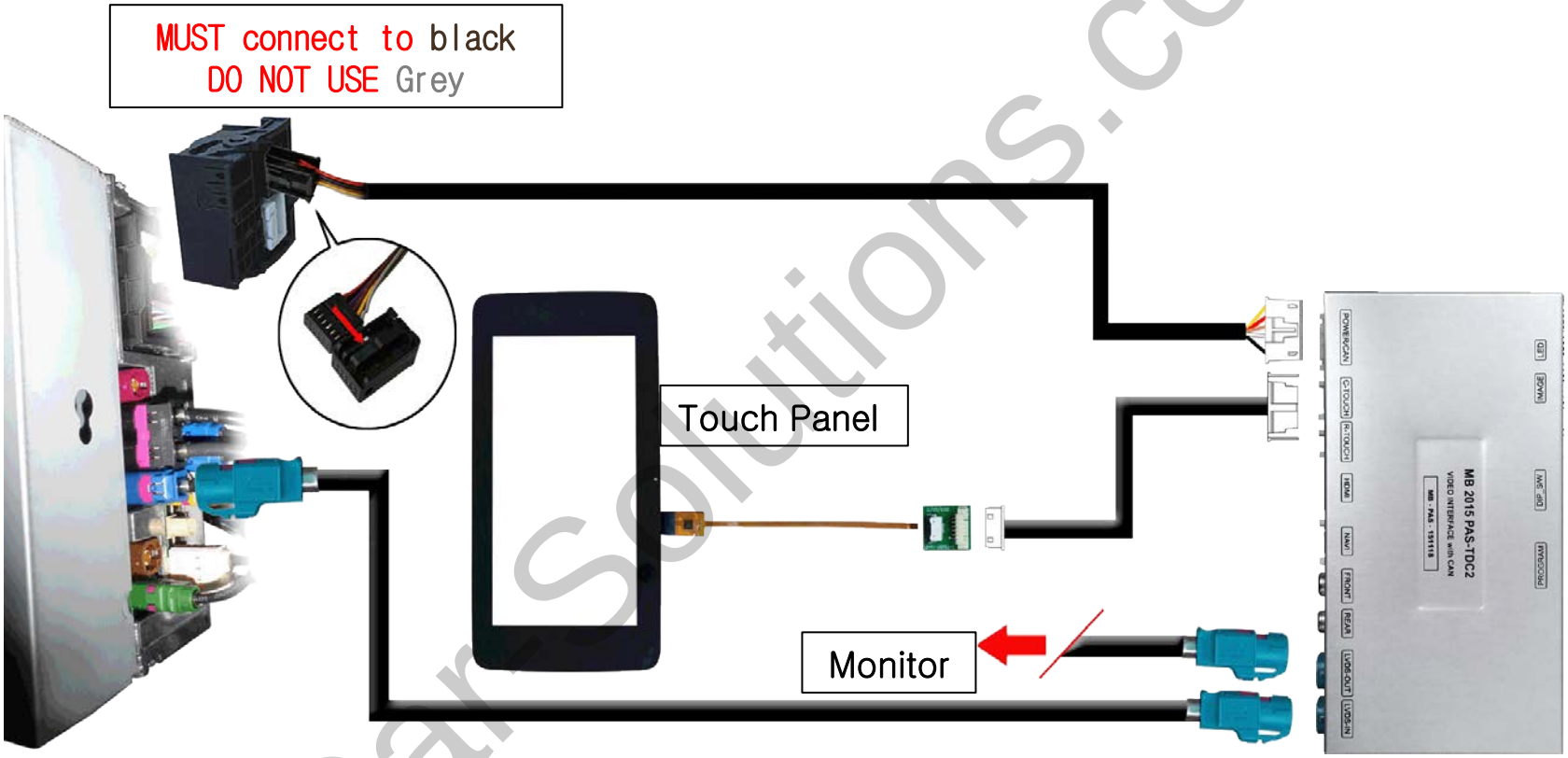
Install Manual

Installation LVDS connection



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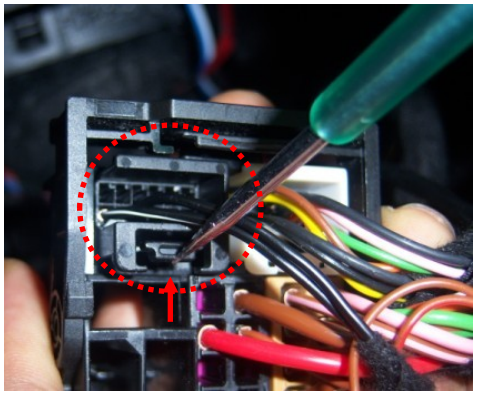
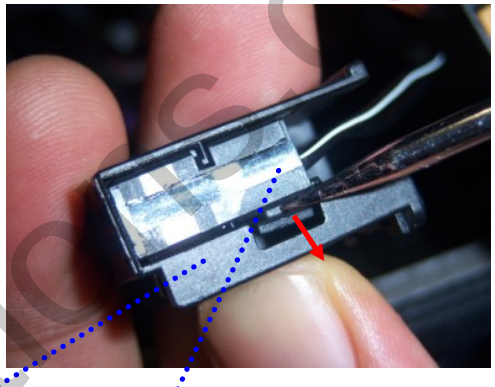
Install Manual

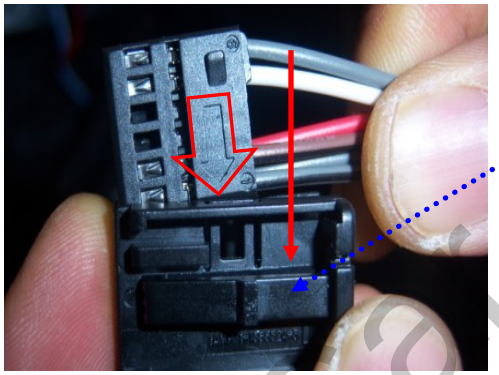
Installation CAN connection



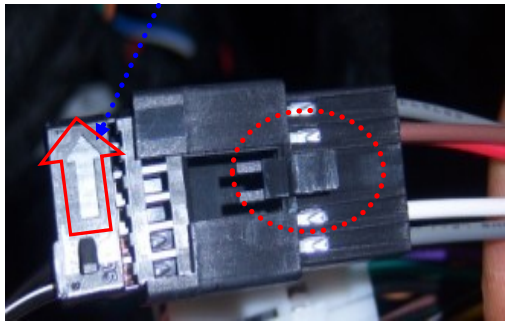
Pull out
Original black
connector



Push Lock, Pull
out connector



Plug to our
connector



※ Arrow Direction !

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Q & A

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

- ACC on (12v), 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 turn off every 1 sec, there is no input.
- RED LED and GREEN LED both are not turn on, check the CAN or ACC connection.

2. Q : LCD screen black
   A : LVDS Cable problem or, connection 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

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