

27-551-HW Rear-View Camera Interface

Components



R04-AUDI



POWER / CAN Cable



LVDS Cable



RVC Cable

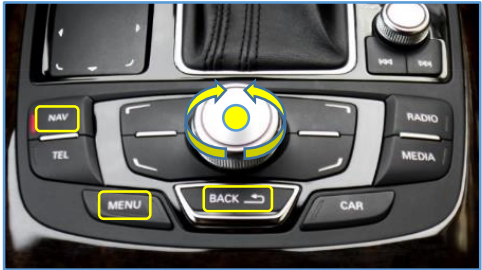


CVBS Cable

Version Information

Model Name	27-551
Latest Firmware Date	2015 – 11 - 05
Manual Version	Rev. 1.8
Manual Release Date	2016 – 04 - 14


Setting mode



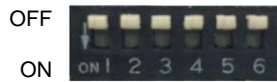
MMI 3G Plus Controller



MMI 3G Controller

Button	Function
MENU	Enter into the setting menu. (press the button 5 seconds)
Selection()	Select the setting menu and setting values.
BACK	Back to previous menu.
Turn the dial clockwise	Move the menu-pointer and adjust the setting values to UP(↑) and RIGHT(→).
Turn the dial counterclockwise	Move the menu-pointer and adjust the setting values to DOWN(↓) and LEFT(←).
NAV	Change the mode to FVC(Front View Camera / AV1), when press the button short.
i NAV (On the steering wheel)	Change the mode to FVC(Front View Camera / AV1), when press the button 2 seconds.

Dip Switch Settings

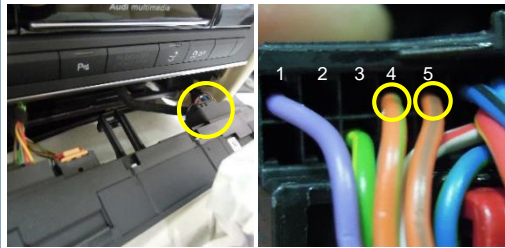


Pin No.	Function	ON(▼) / OFF(▲)
1	Rear View CAM	ON(▼) / OFF(▲)
2	Front View CAM	ON(▼) / OFF(▲)
3	Selection of car model	ON(▼) / OFF(▲)
4		
5		
6		

No.3	No.4	No.5	No.6	Car Models	CAN wires Information
OFF(▲)	OFF(▲)	OFF(▲)	OFF(▲)	A6, A7, A8 / 2012~ (8-inch / 800*480)	HS CAN = Climate controller
OFF(▲)	ON(▼)	OFF(▲)	OFF(▲)	A4 / 2010 (7-inch / 800*480)	HS CAN = Climate controller LS CAN = Gateway+BEM
OFF(▲)	OFF(▲)	OFF(▲)	ON(▼)	A4 / 2011, Q5 / 2012 (7-inch / 800*480)	HS CAN = Climate controller LS CAN = Gateway+BEM
OFF(▲)	OFF(▲)	ON(▼)	OFF(▲)	A4, A5 / 2012~ (7-inch / 800*480)	HS CAN = Climate controller
OFF(▲)	OFF(▲)	ON(▼)	ON(▼)	Q3 / 2012~2013 (7-inch / 800*480)	HS CAN = Climate controller LS CAN = LWR Steuergerät
OFF(▲)	ON(▼)	ON(▼)	ON(▼)	Q3 / 2014~ (7-inch / 800*480)	HS CAN = Climate controller LS CAN = LWR Steuergerät
ON(▼)	ON(▼)	OFF(▲)	OFF(▲)	Q3 / 2014~ (6.5-inch / 400*240)	HS CAN = Climate controller
ON(▼)	OFF(▲)	OFF(▲)	OFF(▲)	Q5 / 2009~2012 Q7 / 2010	HS CAN = Climate controller (7-inch / 800*480)
ON(▼)	OFF(▲)	ON(▼)	OFF(▲)	A6 / 2012~ (6.5-inch / 400*240)	HS CAN = Climate controller
ON(▼)	OFF(▲)	OFF(▲)	ON(▼)	Q5 / 2013 (7-inch / 800*480)	HS CAN = Climate controller
ON(▼)	OFF(▲)	ON(▼)	ON(▼)	A1 / 2015~ (6.5-inch / 800*480)	HS CAN = Climate controller LS CAN = LWR Steuergerät
OFF(▲)	ON(▼)	OFF(▲)	ON(▼)	Q7 / 2013~ (7-inch / 800*480)	HS CAN = Climate controller
OFF(▲)	ON(▼)	ON(▼)	OFF(▲)	A6 / 2010~2011 (7-inch / 800*480)	HS CAN = Climate controller

Installation Diagram

HS CAN HIGH & LOW <A4, A5, A6, A7, A8, Q5, Q7>

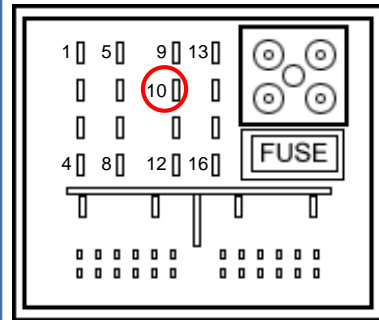


Climate Controller - 20-Pin connector

- Pin # 4 = CAN HIGH(Orange / Blue) or (Orange / Light Green)
- Pin # 5 = CAN LOW(Orange / Brown)

*Some vehicles should be connected the 'LS CAN wires'.

MMI DATA wire Information



MMI Head Unit - Main Connector

- Pin # 10 = MMI DATA(Yellow / White) or (Light Green)

HS CAN H(White)
HS CAN L(Green)

AUDI MMI(Green)

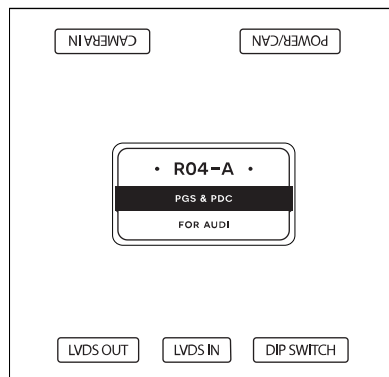
✖ LS CAN H, L(*Please refer to next page.)

GROUND(GND)

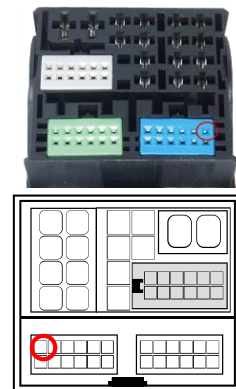
REVERSE 12V IN(Orange) ✖
(*Not necessary)

BAT+(12V POWER)

POWER / CAN Cable



✖ Speciality Connector Type

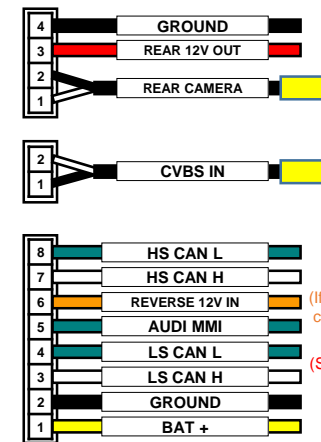


Original Main-Harness
A6 Low Resolution (6.5 inch)

- Pin # = MMI DATA(Yellow / White)

CAMERA IN

POWER / CAN



Rear View Camera

Front View Camera(or AVM)

(If reverse gear is not detected via CAN data, connect the power(12V) of the backup light)

(Some vehicles should be connected.)

DIP SWITCH

LVDS IN

LVDS OUT

MMI 3G & 3G+ Head Unit



(Provided LVDS Cable)

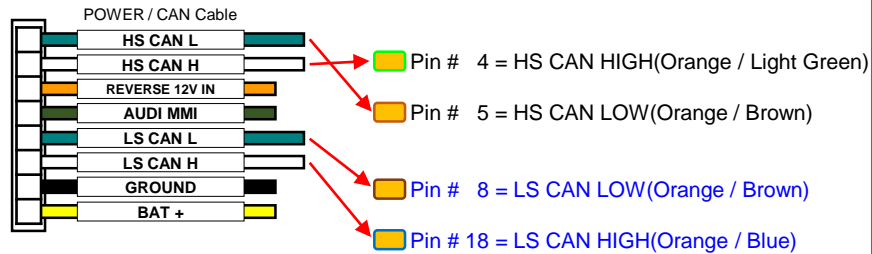
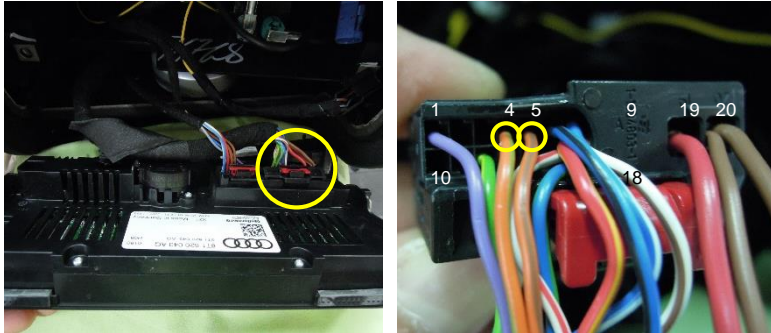
(OEM LVDS Cable)

Monitor(OEM)

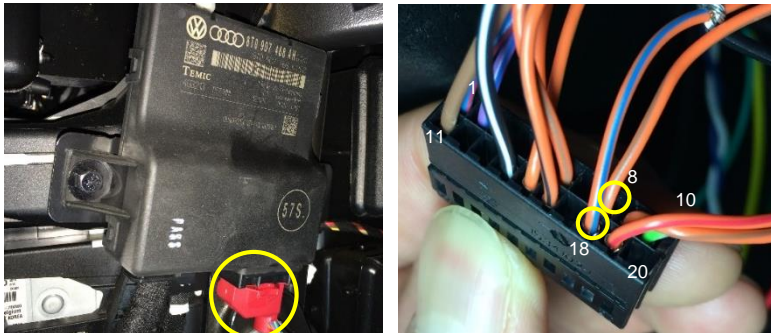
CAN wires information(exceptions)

< 2010, 2011 Audi A4 >

Climate Controller – 20-Pin Connector

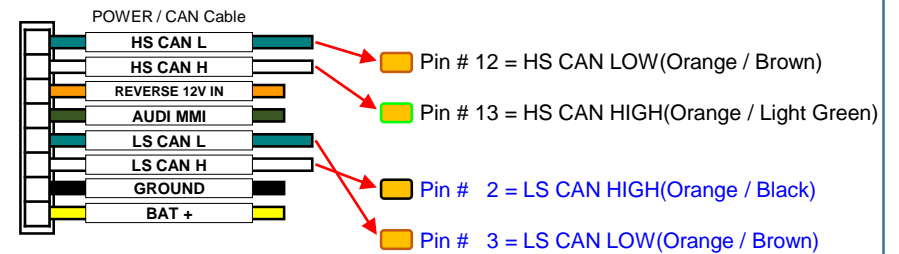
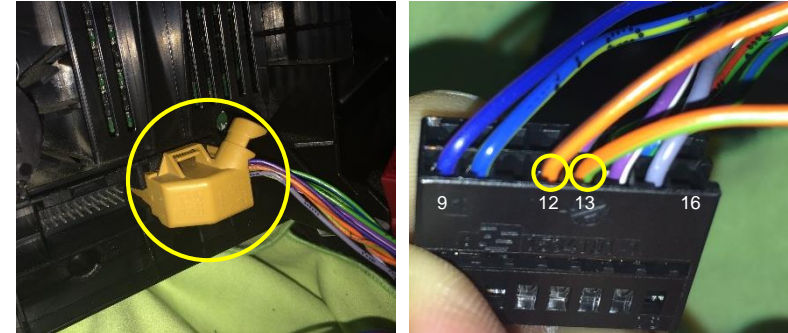


Gateway+BEM Module(on the left of the glovebox) – 20-pin Connector

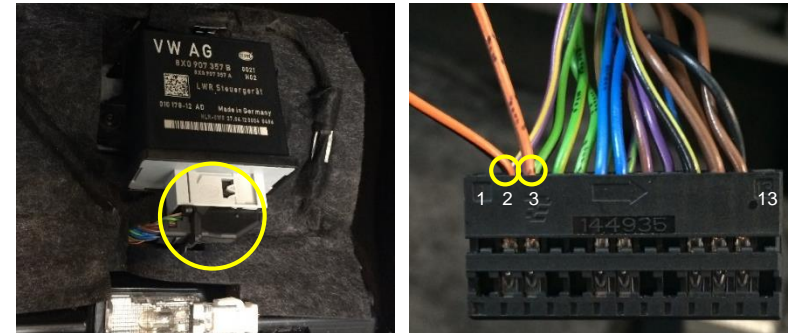


< 2012~ Audi Q3 >

Climate Controller – 16-pin Connector



LWR Steuergerät Module(on the glovebox) – 26-Pin Connector
(*In case of Q3 / '6.5-inch' model, you do not need to connect LS CAN H, L and MMI wires.)

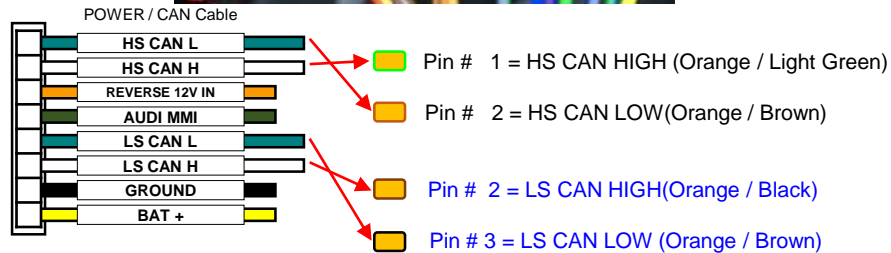
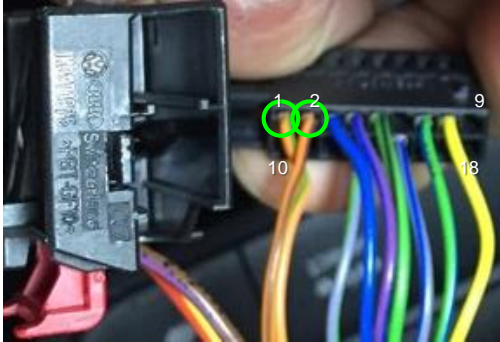


- Normally, general models of Audi should just be connected to the 'HS CAN High, Low wires' at the climate controller.
- But, some models have different CAN-BUS data. Please refer to above pictures and connect the CAN wires.

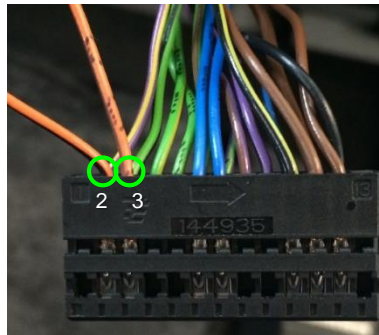
CAN wires information(exceptions)

< 2015 Audi A1>

Climate Controller – 20-Pin Connector



LWR Steuergerät Module(on the glovebox) – 26-Pin Connector



- Normally, general models of Audi should just be connected to the 'HS CAN High, Low wires' at the climate controller.
- But, some models have different CAN-BUS data. Please refer to above pictures and connect the CAN wires.