

FUB-FUB-FB-650003-K08 Video diagnosis; VIN: XXXXXXXX

ISTA system version	3.55.11.16402	Data version	R3.55	Programming data	-
VIN	XXXXXXX	Vehicle	X'/F15/off-road vehicle/X5 xDrive40e/N20/AUTO/ECE/LL/2016/04		
Int.lev.works	-	Int.lev.(cur.)	-	Int.lev.(tar.)	-
Mileage	0 km				

The video diagnosis is used to check all the outputs of integrated swells and inputs of integrated sinks. The test is started in the head unit or in the rear-seat entertainment. The test determines whether the signals from all integrated sources are received at the input.

Swells can be:

- Night vision electronics
- All-round vision camera
- Video module
- DVD changer
- Smartphone video integration

Sinks can be:

- Headunit
- Video switch
- Rear-seat entertainment

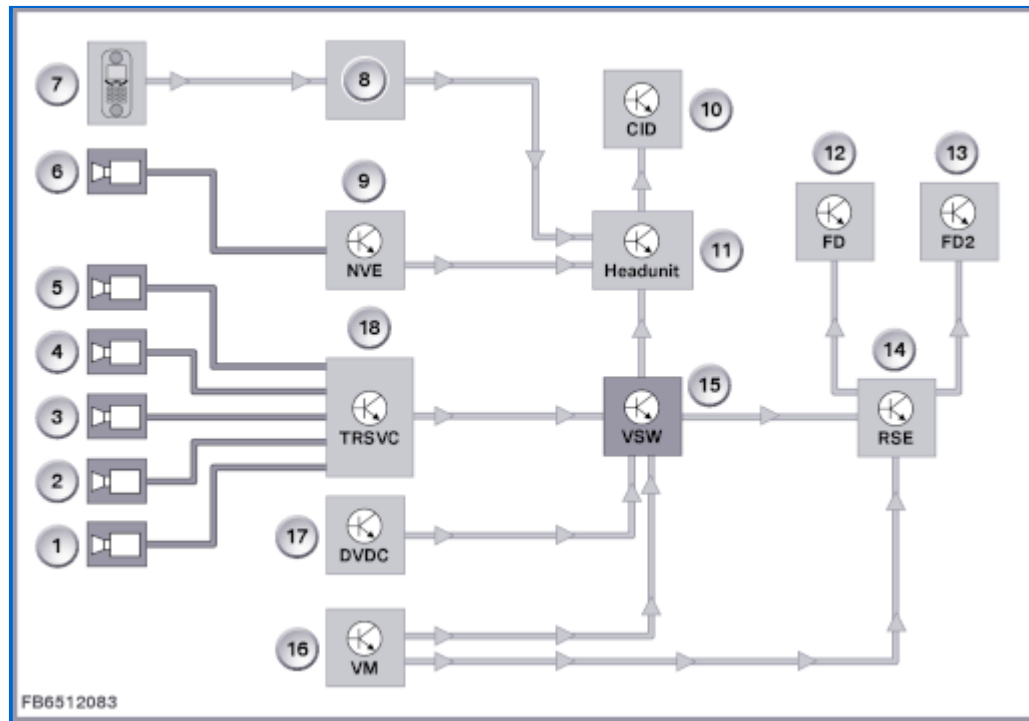
As the video switch is located between the swells and sinks, the inputs and outputs on the video switch are checked.

The video diagnosis is carried out automatically.

The following are possible with the video diagnosis:

- Creating test cards
- Displaying fitting variants
- Displaying faulty components
- Fault handling of faulty components

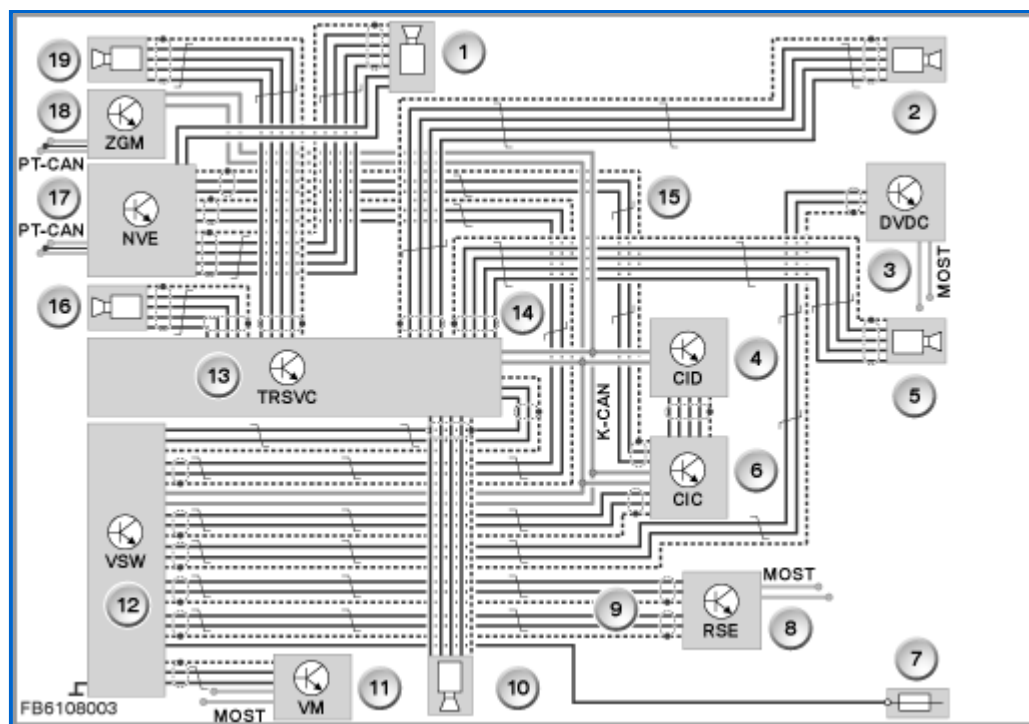
Greatly simplified schematic diagram of the possible video control units:



Item	Explanation	Item	Explanation
1	Reversing camera	2	Exterior mirror camera, right
3	Exterior mirror camera, left	4	Bumper camera, right
5	Bumper camera, left	6	Night vision electronic camera
7	Smartphone	8	Base plate (BMW, Rolls-Royce) AUX-In (MINI)
9	Night Vision electronics control unit	10	Central information display
11	Car Information Computer or headunit	12	Rear monitor, left
13	Monitor in rear, right	14	Rear-seat entertainment: For Rolls-Royce beginning with model year 2013 one image converter each is intermediately switched between the rear seat entertainment system and the rear monitors

15	Video switch	16	Video module
17	DVD changer	18	All-round vision camera

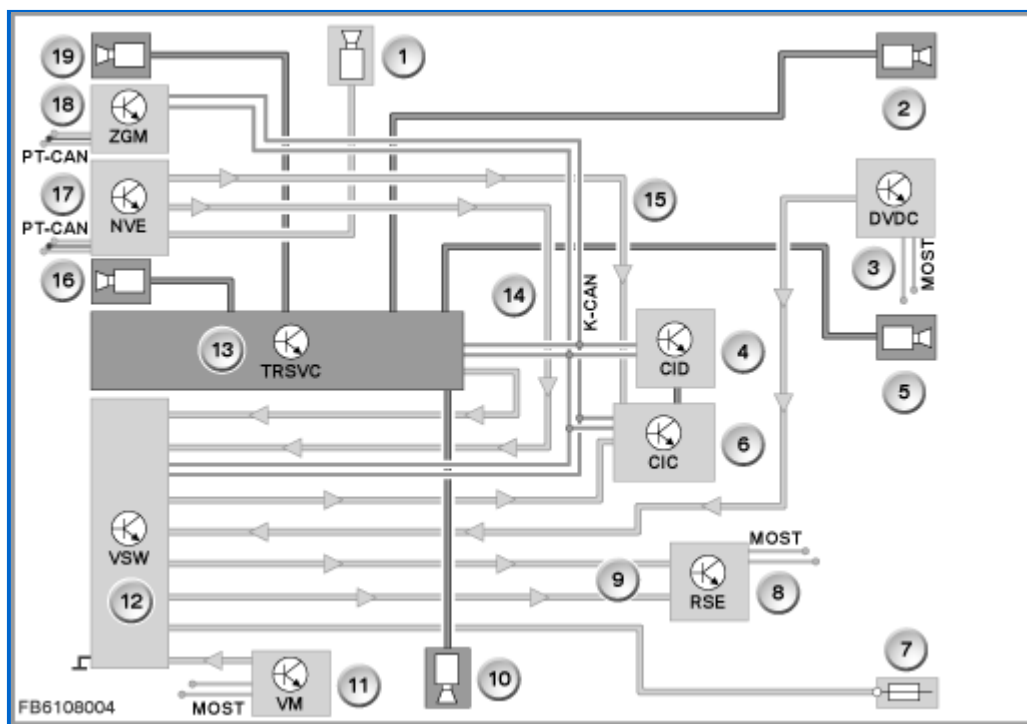
Possible installation of video control units:



Item	Explanation	Item	Explanation
1	Night vision electronic camera	2	Bumper camera, right
3	DVD changer	4	Central information display
5	Exterior mirror camera, right	6	Car Information Computer or headunit
7	Fuse	8	Rear-seat entertainment
9	Wiring between video switch and Rear-seat entertainment. Only installed if video module (or DVD changer), video switch and rear seat entertainment system are installed.	10	Reversing camera
11	Video module	12	Video switch

13	All-round vision camera	14	Wiring between Night Vision electronics and video switch. This wiring is not always installed. Normally, the Night Vision electronics are connected directly to the headunit. In the F01, the Night Vision electronics are connected directly to the headunit
15	Wiring between Night Vision electronics and headunit. In the F01, the Night Vision electronics are connected directly to the headunit	16	Exterior mirror camera, left
17	Night Vision electronics control unit	18	Central gateway module
19	Bumper camera, left		

Simplified schematic diagram of the possible video control units:



Item	Explanation	Item	Explanation
1	Night vision electronic camera	2	Bumper camera, right

3	DVD changer	4	Central information display
5	Exterior mirror camera, right	6	Car Information Computer or headunit
7	Fuse	8	Rear-seat entertainment
9	Wiring between video switch and Rear-seat entertainment. Only installed if video module (or DVD changer), video switch and rear seat entertainment system are installed.	10	Reversing camera
11	Video module	12	Video switch
13	All-round vision camera	14	Wiring between Night Vision electronics and video switch. This wiring is not always installed. Normally, the Night Vision electronics are connected directly to the headunit. In the F01, the Night Vision electronics are connected directly to the headunit
15	Wiring between Night Vision electronics and headunit. In the F01, the Night Vision electronics are connected directly to the headunit	16	Exterior mirror camera, left
17	Night Vision electronics control unit	18	Central gateway module
19	Bumper camera, left		