



## MODEL

G12 (7 Series Sedans)	G12 (ALPINA B7)		
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Option 5AS – Active Driving Assistant

Or

5AT – Active Driving Assistant Plus

Produced through 9/1/16

## SITUATION

While driving, the following conditions may exist:

- CCM (Check Control Message) for the Drivers Assistance System Limited support is displayed.
- The following Drivers Assistance features are non-functional:
  - o Speed limit detection
  - o Traffic Jam Assistant
  - o Lane departure warning
- Intelligent Safety Button highlighted in “Orange”
- One or all of the following fault codes maybe stored in the KAFAS control unit:
  - o 0x800A00 – Internal communication disordered
  - o 0x800A22 – Internal control unit error
  - o 0x800ABD – Image processing error

## CAUSE

A hardware failure with the KAFAS (Camera-Assisted Drivers Assistance System) camera.

## CORRECTION

Replace the KAFAS camera with integrated control unit

## PROCEDURE

For conditions that are similar to the situation described:

1. Run diagnosis with ISTA and work through the corresponding test module.
2. Replace the KAFAS camera with integrated control as per REP 66 51 050.
3. Program and encode the vehicle with the most recent version of ISTA 4.



Note: Fault code CA9410 may also be currently present in TRSVC (Top Rear Side View Camera)

control unit. **This fault code can be ignored. It is not necessary to delete the fault as this fault will not cause a CCM to be displayed.**

Note that ISTA 4 will automatically reprogram and code all programmable control modules that do not have the latest software.

**Always connect a BMW approved battery charger/power supply ([SI B04 23 10](#)).**

For information on programming and coding with ISTA 4, refer to CenterNet / TIS / Technical Documentation / Diagnostics and Programming / Programming Documentation.

## PARTS INFORMATION

Part Number	Description	Quantity
Refer to ETK	KAFAS	1

## WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks or the BMW Certified Pre-Owned Program.

<b>Defect Code:</b>	<b>6651021500</b>	
<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
00 00 006	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults) (Main work)
Or:		
00 00 556	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults) (Plus work)
And:		
61 21 528	Refer to KSD2	Connect an approved battery charger/power supply(indicated in KSD2 as "Charging battery")
And, as necessary:		
61 00 006	Work time (WT)	Performing vehicle diagnosis – test module

If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead.

Work time labor operation code 61 00 006 is not considered a Main labor operation; however, it does require an individual punch time and an explanation on the repair order and in the claim comments section.

And, for the:

### G12 (7 Series Sedans)

Labor Operation:	Labor Allowance:	Description:

66 51 551	Refer to KSD2	Replace KAFAS (camera with integrated control unit)
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Or, for the

**G12 (ALPINA B7 only)**

Labor Operation:	Labor Allowance:	Description:
66 99 000	3 FRU	Work time to replace KAFAS (camera with integrated control unit)

Work time labor operation code 66 99 000 is not considered a Main labor operation. Also, since the “work time” FRU allowance to be claimed is specified, a separate punch time is not required.

And, for all vehicles:

Labor Operation:	Labor Allowance:	Description:
61 00 730	Refer to KSD2	Programming / encoding control unit(s)

Refer to KSD2 for the corresponding flat rate unit (FRU) allowances.

**Vehicle Programming and Coding**

When ISTA 4 automatically reprograms and codes all the vehicle’s control modules that currently do not have the latest software, and if control module failures occur during this programming procedure:

- Please claim this consequential control module-related repair work under the defect code listed in this bulletin with the applicable KSD2/AIR labor operations.

**Other Repairs**

Control module failures that occurred prior to this programming procedure and/or additional work is performed as a result of performing the ISTA diagnostics and related test plans:

- When covered under an applicable limited warranty, claim the control module-related and/or other repair work using the applicable defect code and labor operations in KSD2/AIR.