



SIB 66 03 20

2020-03-04

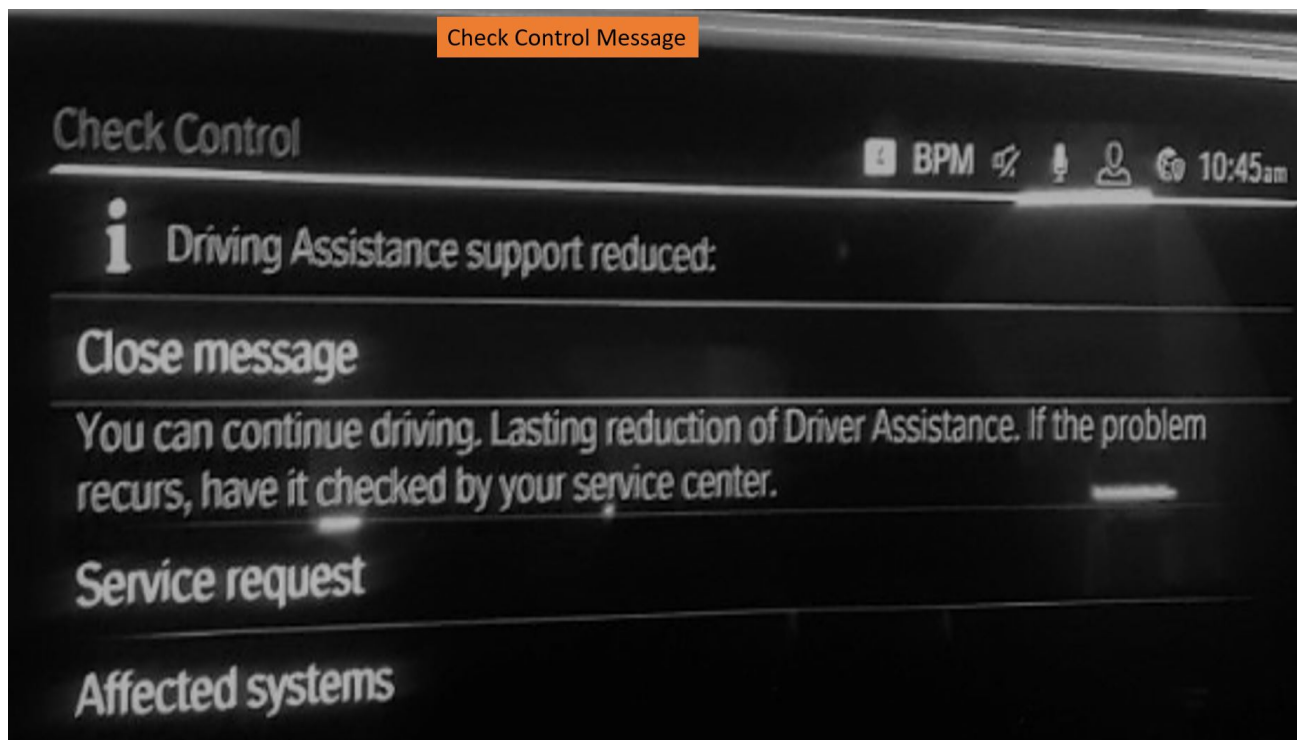
DIAGNOSTIC HINT: DRIVING ASSISTANCE SUPPORT REDUCED CHECK CONTROL MESSAGE DISP

MODEL

E-Series	Model Description	Production Date	Affected Option Code
F16	X6 Sports Activity Coupe	Start Of Production	5AV – Active Guard 5AS – Active Driving Assistant 5AU – Active Driving Assistant Pro
G05	X5 Sports Activity Vehicle		
G06	X6 Sports Activity Coupe		
G07	X7 Sports Activity Vehicle		
G14	8 Series Convertible		
G15	8 Series Coupe		
G20	3 Series Sedan		
G29	Z4 Roadster		
G30	5 Series Sedan		

SITUATION

Driving Assistance support reduced Check Control Message (CCM) is displayed sporadically. All or some of the system functions may be inoperative.



Note: This Service Information Bulletin (SIB) purpose is to provide known fault location details gathered from various cases submitted. If you encounter this situation, please submit an Info Only TSARA case with pictures if:

- The root cause found is different from the information contained in this SIB

CAUSE

Refer to the attachment showing the identified root causes.

CORRECTION

Locate and correct the root cause.

PROCEDURE

Duplicate the issue.

Perform a vehicle test and complete all relevant test plans.

Depending on the model being repaired, follow the appropriate repair instructions for removing and reinstalling the body and trim panels as outlined in ISTA.

The wire harness may have to be unwrapped to properly identify/find the damaged wires (root cause).

Perform repairs as needed to correct the cause(s) found.

Check and replace any failed fuse(s).

Retest to verify the issue is resolved.

PARTS INFORMATION

Obtain and confirm the part numbers for your specific vehicle by entering the chassis number in either ETK or AIR which takes into account specific equipment and/or options.

WARRANTY INFORMATION

This Service Information bulletin provides technical, diagnostic and high-level repair-related information.
Supporting Materials

[picture_as_pdf B660320 Attachment 1.pdf](#)

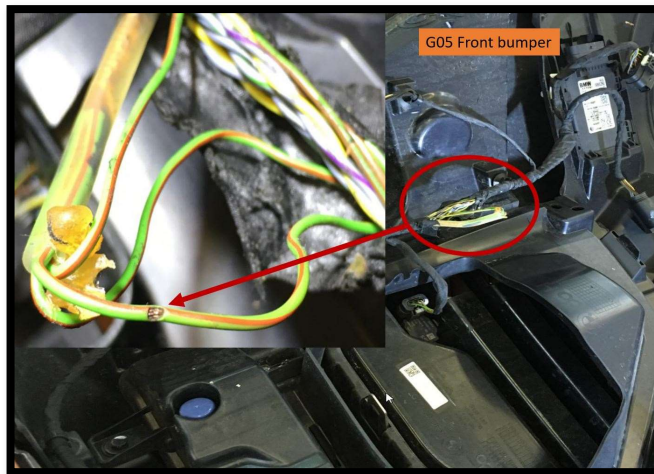
DIAGNOSTIC HINT: DRIVING ASSISTANCE SUPPORT REDUCED CHECK CONTROL MESSAGE DISPLAYED

Cause

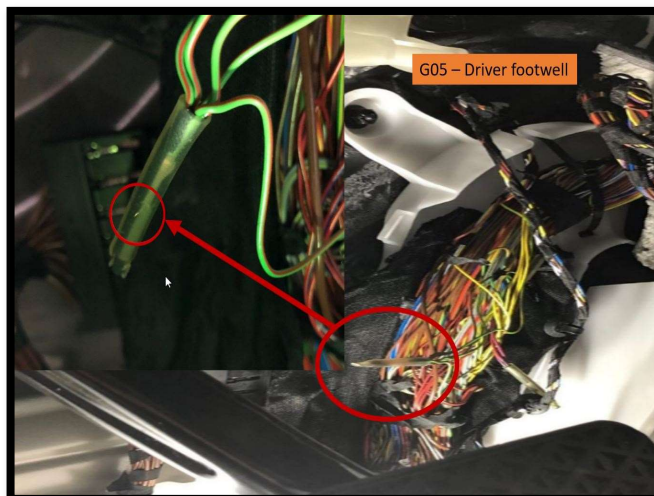
KAFAS – No communication					
SBD0	BNTN	code	Description	Vehicle mileage	Is currently present?
BDC_G06	BDC-00-BDC0Y	0x091485	No message (object data for the dazzle-free high beam assistant, 0x102), receiver BDC-ZDM, transmitter KAFAS	6403	13: Fault currently present
BDC_G06	BDC-00-BDC0Y	0x091692	No message (control, high-beam assistant, 0x292), receiver BDC-ZDM, transmitter KAFAS/FLA	6403	13: Fault currently present
BDC_G06	BDC-00-BDC0Y	0x091637	No message (status, camera, calibration, 0x437), receiver BDC central gateway module, transmitter KAFAS/FLA	6403	13: Fault currently present
CHC01	CHC-01-CHC	0x40E8D	Electronic ride height control (EHC), Self-levelling suspension - vehicle lift detected	-1	13: Fault currently present
DMEFF_R	DME-8070-DME	0x0CC317	No message (vehicle ahead data, 0x29F), receiver DME, transmitter KAFAS	6403	37: Permanent fault
DMEFF_R	DME-8070-DME	0x0CC318	Message (vehicle ahead data expanded, 0x270) missing, receiver DME, transmitter camera-based driver assistance system	6403	37: Permanent fault
FRF_G11	FRF-02-FRF	0x01609C	Message (environment model, front object detection) is missing, receiver ACCFRSF, transmitter KAFAS	6403	9: Permanent fault
KONESP18	C_HSH-BC_04_1-IC	0x114AE	No message (road sign identification, 0x207), receiver KONB, transmitter KAFAS	6403	13: Fault currently present

Service error		
SBD0	code	Description
KAFAS04	S 0261	No communication possible with Camera-based driver assist system

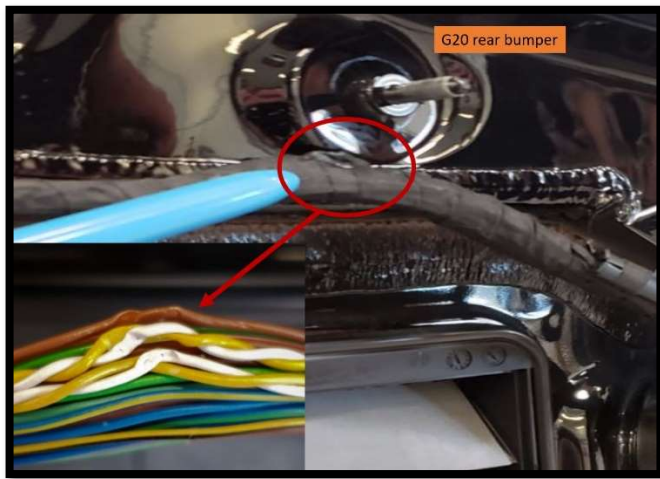
This image shows fault code S0261- No communication with KAFAS camera. The root cause was failure of the twisted pair wire (ethernet) between BDC and KAFAS.



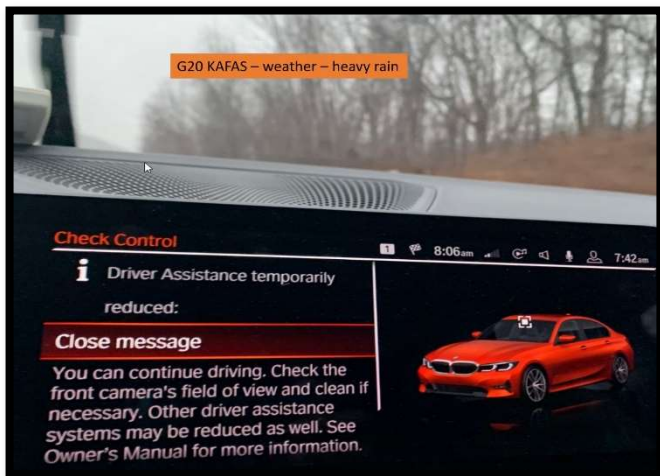
This image shows chafed wire in the front bumper harness. The exposed wire makes contact with and sporadically shorting out against the front bumper support bracket. May also cause fuse 207 to fail.



This image shows an exposed wire in the splice point located in the driver's footwell. Also, this may cause fuse 207 to fail.



This image shows a pinched wire harness behind the rear bumper. Harness was routed too high allowing wires it to be pinched when the rear bumper was installed.

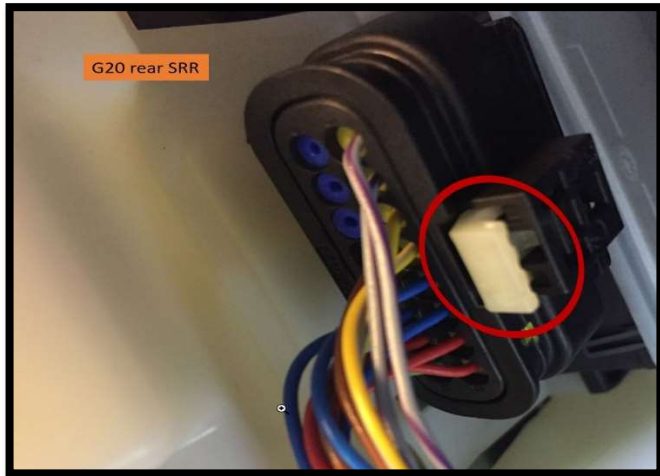


This image shows a CCM due to inclement weather conditions (heavy rain).

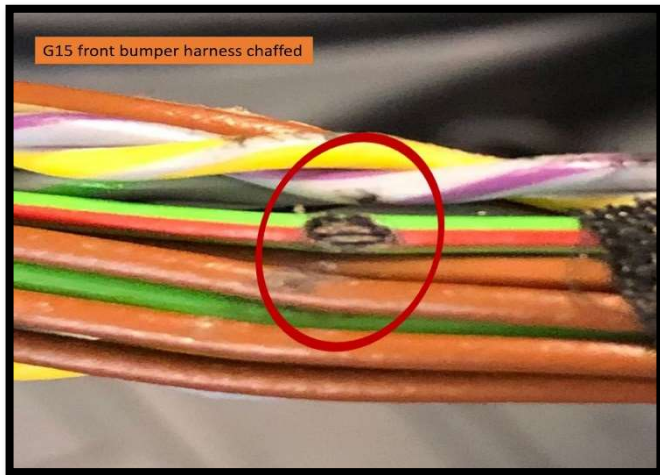
Note: This is normal due to outside (environmental) influence and no repair should be performed. Review the Driver Assistance System limitation(s) in the owner's manual.



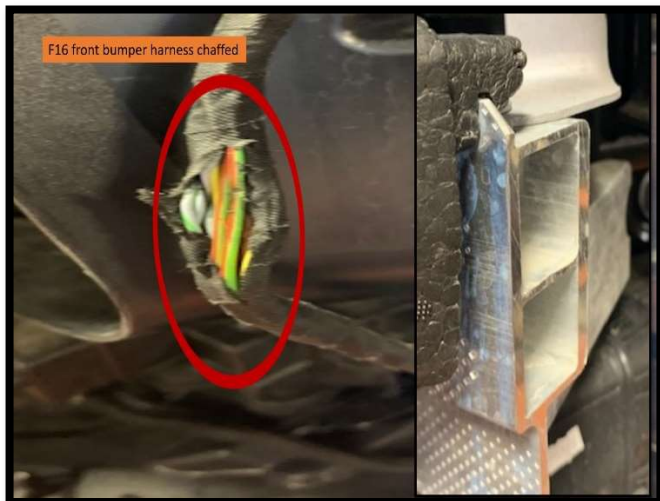
This image shows a windshield laminate issue in the line of sight area for the KAFAS camera.



The image shows an improper connection (locking tab no engaged) at the rear Short Range Radar (SRR). This will cause sporadic functionality and communication issues.



This image shows chaffed wire in the front bumper harness. The exposed wire makes contact with and sporadically shorting out against the front bumper support bracket. This may cause fuse 92 to fail.



This image shows chaffed wire in the front bumper harness. The exposed wire makes contact with and sporadically shorting out against the front bumper support bracket.