



SI B34 05 19  
Brakes

May 2019  
Technical Service

## NO BRAKING FORCE ASSISTANCE AFTER ENGINE START, DIAGNOSTIC TROUBLE CODE (DTC) 480705 / 480706

### MODEL

G05 (X5 Sports Activity Vehicle)	G07 (X7 SAV)	G15 (M850i Coupe)	G20 (3 Series Sedan)
G29 (Z4 Roadster)			

### SITUATION

When starting the vehicle-

- The red brake warning light lights up in the instrument cluster
- The braking force assistance has failed (stiff brake pedal)
- Check Control message appears: Drive at a moderate speed. Braking force assistance.

The red warning lamp disappears after engine restart, and braking force assistance is available again.

### CAUSE

Unfavorable software of the Integrated Brake System (IB) for the G05, G07 and G15; or Dynamic Stability Control (DSC) control unit for G20 and G29.

### CORRECTION

Program the vehicle with ISTA 4.16.1x or higher, to I-level S18A-19-03-522 or higher.

- ISTA 4.16.1 became available early March, 2019

### PROCEDURE

1. Perform a vehicle test if either or both of the following faults are stored in the IB or DSC:

Fault code	Text
480706	Control unit internal - HW fault ASG internal
480705	Control unit internal - HW fault ASG internal, ASIC system

2. Read out I level of the vehicle.

Is the I-level is less (lower) than S18A-19-03-522?

**Yes:** Program and encode the vehicle with ISTA 4.16.1x to I level S18A-19-03-522 or higher.

Do not replace any parts

**No:** Do not program the vehicle. Perform diagnosis with ISTA using applicable test plans.



Note: ISTA 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/P, refer to CenterNet / Aftersales Portal / Service / Workshop Technology / Vehicle Programming.

## 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>34 50 01 15 00</b>	<b>IBC, integrated brake system permanent malfunction (G05, G07 and G15)</b>
	<b>Or:</b>	
	<b>34 52 10 14 00</b>	<b>Dynamic Stability Control - control unit temporary malfunction (G20 and G29)</b>
<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
00 00 006	Refer to AIR	Performing vehicle test (with vehicle diagnosis system – checking faults) (Main work)
Or:		
00 00 556	Refer to AIR	Performing vehicle test (with vehicle diagnosis system – checking faults) (Plus work)
And:		
61 21 528	Refer to AIR	Connect an approved battery charger/power supply (indicated in AIR as Charging battery)
And:		
61 00 730	Refer to AIR	Programming/encoding control unit(s)

If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead of 00 00 006.

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

During the same workshop visit, if a vehicle also requires another Technical Campaign or repair that also includes programming and encoding the control units, the programming procedure may only be invoiced one time.

### Programming and Encoding - Vehicle Control Units

- A. The programming procedure automatically reprograms and encodes all vehicle control modules which do not have the latest software i-level. If one or more 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 AIR labor operations.

Please explain this additional work (The why and what) on the repair order and in the claim comments section.

B. For control module failures that occurred prior to performing this programming procedure:

- When covered under an applicable limited warranty, claim this control module-related repair work using the applicable defect code and labor operations (including diagnosis) in AIR.

### **Other Repairs**

If other eligible and covered work is performed as a result of performing the ISTA diagnostics and related test plans, claim this work with the applicable defect code and the labor operations (including diagnosis) that are listed in AIR.

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