



## S55 - CHECK CONTROL MESSAGE: DRIVE FAULTY

### MODEL

F80 (M3 Sedan)	F82 (M4 Coupe)	F83 (M4 Convertible)	
----------------	----------------	----------------------	--

### SITUATION

Check Control Message (CCM) "Drive faulty" is display for 5 seconds

The reduced engine power message may briefly illuminate.

The following fault codes may be stored in the Digital Motor Electronics (DME):

- 20A503 – exhaust turbocharger coolant pump: signal implausible
- 20A203 – charge air cooling system: signal implausible

### CAUSE

An error in the DME software causes misdiagnosis of the coolant pump signals

### CORRECTION

Reprogram vehicle with **ISTA 4.12.3x** or higher

### PROCEDURE

For conditions that are similar to the situation described:

1. Perform diagnosis with the latest version of ISTA.
2. Program the vehicle using **ISTA 4.12.3x** or higher.

Model	Target integration level
F80 (M3 Sedan)	<b>F020-18-07-530</b> or higher
F82 (M4 Coupe)	
F83 (M4 Convertible)	

Note that 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, refer to CenterNet / TIS / Technical Documentation / Diagnostics and Programming / Programming Documentation.

### PARTS INFORMATION

Parts replacement will not provide a solution to this situation.

## 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>1042315900</b>	
<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
00 00 006	Refer to KSD2/AIR	Performing "vehicle test" (with vehicle diagnosis system – checking faults) (Main work)
Or:		
00 00 556	Refer to KSD2/AIR	Performing "vehicle test" (with vehicle diagnosis system – checking faults) (Plus work)
And:		
61 21 528	Refer to KSD2/AIR	Connect an approved battery charger/power supply (indicated in KSD2 as "Charging battery")
And:		
61 00 730	Refer to KSD2/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 KSD2/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.

### Vehicle Programming and Encoding

- 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 KSD2/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 KSD2/AIR.

[ Copyright ©2018 BMW of North America, Inc. ]