SI B32 07 17
Steering and Wheel Alignment

December 2017
Technical Service

ELECTRONIC POWER STEERING (EPS) FAULT CODE 0X4822A6, VOLTAGE SUPPLY

MODEL

G01 (X3 SAV)

SITUATION

During the vehicle test, fault code 0x4822A6 (voltage supply - global under-voltage external) is entered in the EPS

CAUSE

EPS Software

CORRECTION

Reprogram with ISTA 4.08.2x to the I-level SA15-17-11-521, or a more recent version

PROCEDURE

Check other components for under-voltage fault codes stored.

If only this one fault memory (0x4822A6) is entered for the EPS in the whole vehicle, the vehicle must be programmed and encoded with ISTA 4.08.2x or higher.

Model	Target integration level
G01	S15A-17-11-521 or higher

A part exchange does not provide a solution and is therefore not permissible.

If there are fault memory entries for under-voltage in other components, proceed according to test plan.

Note: ISTA/P 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 (SIB04 23 10**).**

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

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.

Defect Code:	**3213021400**	

Labor Operation:	Labor Allowance:	Description:
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:		
61 00 730	Refer to KSD2	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. ISTA automatically reprograms and encodes all the vehicle control modules that do not have the latest software i-level. If one or more control module failures occur "during" this programming procedure:

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

B. For control module failures that occurred "prior" to performing this programming procedure and/or other work that results from performing ISTA diagnostics and the related test plans:

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