
PuMA measure

SAF fault 0x480BBC after adaptation of the gearshift lever sensor

US 64895003-02 - 03/02/21

Complaint:

With rear wheel fully unloaded and rotating freely in ESA mode "Auto" or "MIN" (e.g. for adaptation of the gearshift lever sensor on the centre stand), a fault is entered in the ESA control unit (0x480BBC mechanical defect of the spring adjustment mechanism).

Cause

The dynamic ESA processes the signal of the ride height sensor at the rear wheel in ESA modes "MIN" and "Auto".
With rear wheel fully unloaded (in the air) and rotating freely, the signal is deemed to be implausible and fault code 0x480BBC "Mechanical defect of the spring adjustment mechanism" stored.
The ESA control is deactivated and a warning is displayed in the instrument cluster.

Measure

In this case, the fault entry does not mean that the ESA spring strut is mechanically defective.
The fault cannot be deleted by simply deleting the fault memory.

The fault can only be deleted using the following measures:

1. Switch off the ignition
2. Wait for more than 1 minute
3. Switch on the ignition
4. Perform ISTA vehicle test
5. Delete fault memory

Perform the adaptation of the gearshift lever sensor when driving or (if performed differently) in ESA mode "MAX"!
Set the ESA mode "MAX" with the motorcycle standing on its wheels and with the engine running.

Starting with ISTA version 4.18 and up, a corresponding note is displayed in the service function "Read/delete adaptation data".

Validity information

Model series:	[K51, K50]
Engine range:	[ALL]
Body style:	[ALL]
Fault codes:	[]
Production period:	- (All motor cycles SA191)

Repair overviews

23/41/001/14684, Gearshift lever, kinematics, Cannot be encoded with VFC, , Cannot be encoded with VFC, , Program/encode