Measure no.	Subject
US 64774384-01	Motorcycle frame: Inclination and/or offset of the rear frame

Status date (mm/dd/yy)	Status	Organization
3/18/19	Accepted	US, MOT
Date created (mm/dd/yy)	**Created by**	**PQM Problem reference**
3/18/19	Robert Karl	
Release date (mm/dd/yy)	**Approved by**	**Dealer release**
		Allow automatic release

Vehicles affected

E series	Engine	Body
K50 K50/11 K51 K51/11 K52 K53 K53/11 K54 K54/11		
Production period (from/to) (mm/dd/yy)	**Comment on production period**	**Feedback (all cases relating to measure up to) (mm/dd/yy)**
/		

Complaint

The rear frame appears to be attached inclined and/or offset when viewed from the rear frame (see Figures 1 and 2).

Cause

1. Track offset and component tolerances

Some models have a necessary track offset of the rear wheel. The other components are constructed centred on the vehicle (see Figure 3). This produces a certain visible “frame offset” (see Figure 1).

With the R1200GS Adventure, the unsymmetrical case holder can accentuate this impression.

Note: In the technical data (AIR), no values are specified for the track offset, as this can vary according to tolerance and, furthermore, can only be measured with a great deal of effort.

2. The vehicle is standing on the tilt stands

The left leg of the tilt stand is always a few centimetres shorter than on the other side, as the motorcycle should always fall in the direction of the drivers (to the left) if it falls. This can produce an apparent inclination (see Figure 2). The ground cannot be taken as reference level here.

Measure

When measuring an apparent inclination from the rear frame to the main frame, the motorcycle must first be positioned vertically to the ground (e.g. using an assembly stand). Then, a renewed evaluation can be performed.
A slight offset of the rear frame can result from tolerances and is not a technical defect.

In the case of a greater deviation than shown in the example images in the attachment, a TSARA case must be created with detailed documentation.

Complaint

Fault location	Fault type	Fault place
46/51 Rear frame	Incorrect fitment	Rear

Cause

#	Fault location	Fault type	Fault place
1	46/51 Rear frame	Inclination	
	Repair Task	**Special Clearance**	**Area**
	No action	No	Chassis and Suspension

Fault code

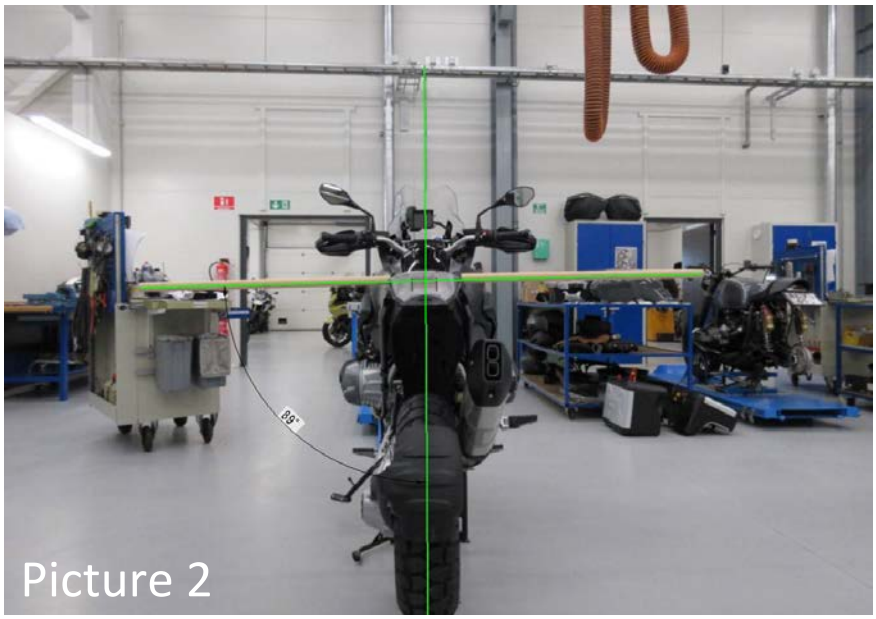
Progman / DIS / ISTA / ISTA/P

System	State	Version

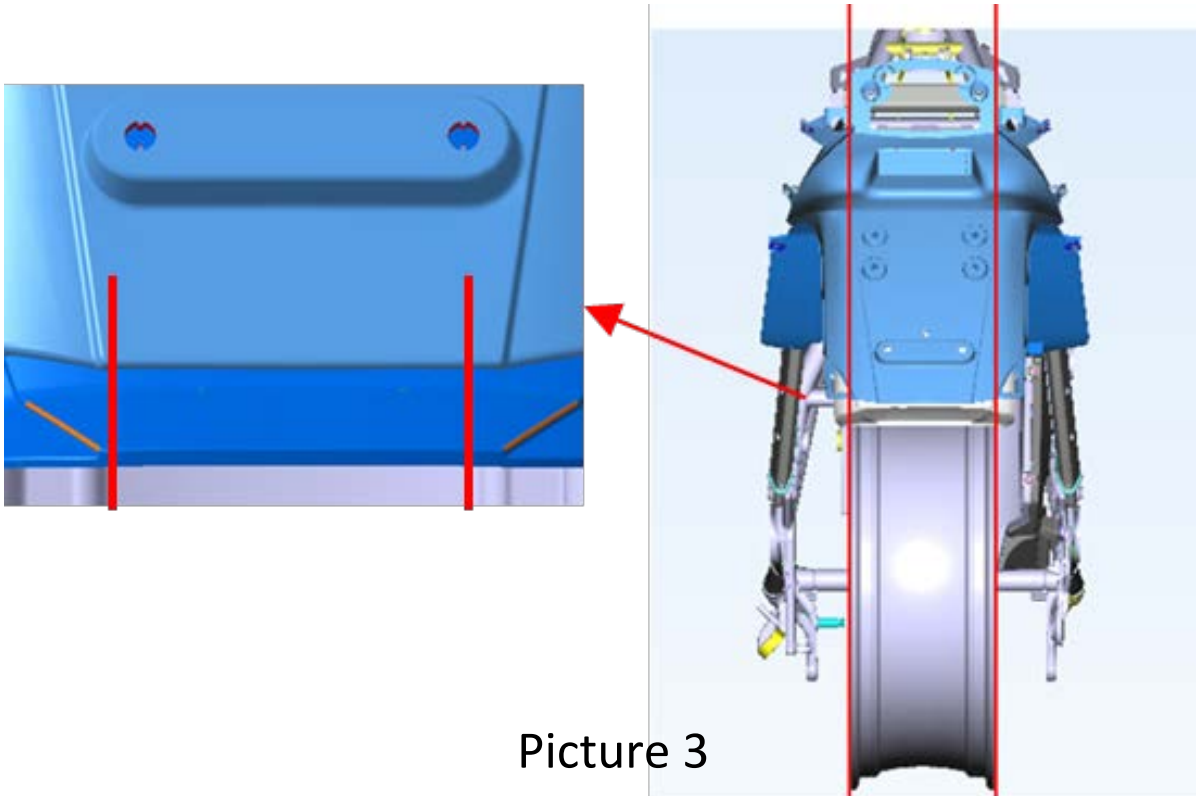
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Picture 1



Picture 2



Picture 3