

DTC repair- LKA systems

DTC B1A0B-96 Steering wheel hands on detection module - Component internal failure

The Hands-On Detection module is part of the Steering Wheel and Sub Harness assembly and is a critical component to LKA. If the vehicle cannot detect hands on the wheel, it will disable the LKA system as it is not fully autonomous and requires confirmation of Driver input to function.

Erase the fault, if the DTC comes back, the vehicle needs a steering wheel.



Range Rover

- 21-24MY Range Rover
- 21- 24MY Sport
- 21 - 24MY Evoque
- 21-24MY Velar

Defender

- 21-24MY Defender

Discovery

- 21-24MY Discovery
- 21-24MY Discovery Sport

Jaguar

- 21-24MY I-PACE
- 21-24MY F-PACE
- 21-24MY XF
- 21-24MY E-PACE

VEHICLE DATA			
Modules	Fault Timeline	DTC Helptext	DTC Snapshot
<div style="border: 1px solid black; padding: 2px; display: inline-block;">Print</div>			
Module	null		
DTC	B1A0B-96		
Description	Steering Wheel Hands On Detection Module		
Possible Causes	Action		
Startup battery terminal connectors installed incorrectly/damaged	To validate the repair firstly run the engine for 60 seconds, then use the Jaguar Land Rover approved diagnostic equipment to confirm this Diagnostic Trouble Code(s) (DTC(s)) is no longer set within the Gateway Module A (GWM) Inspect the installation and condition of the startup battery terminal clamps. Rectify as necessary		
Hands On Detection (HOD), steering wheel switches, clockspring connectors installed incorrectly/damaged	Inspect the installation and condition of the HOD, steering wheel switches, and clockspring connectors. Rectify as necessary		
HOD Local Interconnect Network (LIN) bus circuit short circuit to ground, short circuit to power, open circuit, high resistance	Refer to the electrical circuit diagrams and inspect the LIN bus circuit between the GWM and the HOD module for short circuit to ground, short circuit to power, open circuit, high resistance. Repair the wiring harness as necessary		
HOD module internal failure	Using the Jaguar Land Rover approved diagnostic equipment, clear the DTC(s), lock the vehicle and wait two minutes. Unlock the vehicle and retest. If the fault persists, install a new steering wheel as required		