



Technical Service Bulletin

48 Steering warning lamp on (DTC C11DF29)

48 17 71 2046804/1 February 27, 2017.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
Q7	2016 - 2017	000000 - 007305	Not Applicable

Condition

Customer statement:

- Yellow or red steering warning lamp on.

The following information appears in the instrument cluster:

- Yellow lamp: steering problem! Adjust driving style. Increased turning circle
- Red lamp: steering problem! Turn off vehicle. Ensure distance on either side.

Workshop findings:

- The customer statement can be reproduced.

Event entry in the Rear Axle Steering module (J1019) (address word 00CB):

- **DTC C11DF29** (rack and pinion gears implausible)

Technical Background

There is a software and hardware-related restricted function that causes a red or yellow warning lamp to illuminate.

DTC memory entry

Number:	rack and pinion gears implausible (C11DF29)
Fault type 2:	active/static
Symptom:	205
Status:	10001001



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Production Solution

Modified steering software **0607** from week 05/2016.

Service

If this event entry is logged, replace the rear axle steering gear and fully complete the Guided Fault Finding. Follow instructions in Elsa for *Repair Manual >> Chassis >> Suspension, Wheels, Steering, Rear axle Steering >> Rear axle Steering Gear >> Removing and Installing >> Vehicle Alignment*.

Vehicles with PR Code KA6 Peripheral Camera Systems and PCU Driver Assistance Systems calibration review Elsa for *Repair Manual >> Electrical Systems >> Communication >> Peripheral Camera >> Peripheral Camera, Calibrating and Chassis >> Suspension, Wheels, Steering >> Driver Assistance System Front Camera >> Driver Assistance Systems Front Camera, Calibrating*.

Warranty



Note:

Upload the diagnosis log to GFF Paperless or include the print-out of the Rear Axle Steering module (J1019) (address word 00CB) in the package to the Warranty Parts Return Center (WPRC) for analysis.

Claim Type:	<ul style="list-style-type: none">• 110 up to 48 Months/50,000 Miles.• G10 for CPO Covered Vehicles – Verify Owner.• If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	4841		
Damage Code:	0040		
Labor Operations:	Remove and install rear steering gear	4841 1900	130 TU
	Vehicle alignment front + rear measure	4495 0350	70 TU
	Front wheel track adjusted	4488 1550	20 TU (If needed)



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	Front wheel camber adjusted	4489 1550	40 TU (If needed)
	Rear wheel track adjusted	4493 1550	30 TU (If needed)
	Rear wheel camber adjusted	4494 1550	30 TU (If needed)
	Vehicles with Peripheral Camera System, Calibration	9143 1500	70 TU (If needed)
	Connect battery charger	2706 8950	10 TU
Diagnostic Time:	GFF - Checking and clearing fault codes included in existing labor operations	0150 0000	Time stated on diagnostic protocol (Max 100 TU)
	Road test prior to service procedure	0121 0002	10 TU
	Road test after service procedure	0121 0004	10 TU
	Technical diagnosis at dealer's discretion (Refer to Section 2.2.1.2 and Audi Warranty Online for DADP allowance details)		
Claim Comment:	As per TSB #2046804/1		

All warranty claims submitted for payment must be in accordance with the *Audi Warranty Policies and Procedures Manual*. Claims are subject to review or audit by Audi Warranty.

Required Parts and Tools

Part Number	Part Description	Quantity
Check ETKA for applicable part number	Rear Steering Gear	1



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Additional Information

All parts and service references provided in this TSB (2046804) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.

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