

Technical Service Bulletin

Topic	93 e-tron GT: stuck dog clutch with event memory entries P1D2E00, P1D4500, P1D2D00, P1C9800, P101E00 in 0001
Market area	United States 444 Volkswagen of America, Inc. (6444)
Brand	Audi
Transaction No.	2073490/4
Level	EH
Status	Released for publishing
Release date	Feb 5, 2025

Diagnostic trouble codes

Diagnostic address	Diagnostic trouble code	Fault symptom	Storage state
0001 - Engine electronics	P1D4500: Disk clutch 2nd gear Time exceeded for opening		Intermittent
0001 - Engine electronics	P1D4500: Disk clutch 2nd gear Time exceeded for opening		static
0001 - Engine electronics	P1D2E00: Dog clutch Time exceeded for display		static
0001 - Engine electronics	P1D2D00: Dog clutch Display attempt failed		Intermittent
0001 - Engine electronics	P1D2D00: Dog clutch Display attempt failed		static
0001 - Engine electronics	P1D2E00: Dog clutch Time exceeded for display		Intermittent
0001 - Engine electronics	P1C9800: Electrical transmission actuator blocked		Intermittent
0001 - Engine electronics	P1C9800: Electrical transmission actuator blocked		static
0001 - Engine electronics	P101E00: Engine speed limitation due to excess temperature		Intermittent
0001 - Engine electronics	P101E00: Engine speed limitation due to excess temperature		static

New customer code

Object of complaint	Complaint type	Position
engine -> engine operation -> electro-drive mode	functionality -> no function	
engine -> engine operation -> electro-drive mode	functionality -> does not switch on/connect	
engine -> engine operation -> electro-drive mode	functionality -> switches on by itself	
transmission -> transmission control operation	noises, vibrations	

Object of complaint	Complaint type	Position
transmission -> transmission control operation	functionality	
transmission -> power distribution, transmission of power	functionality	
entire vehicle -> assemblies -> engine assembly	noises, vibrations -> noise	
information, navigation, communication, entertainment -> indicator display symbols	functionality	
information, navigation, communication, entertainment -> information display symbols	functionality	
information, navigation, communication, entertainment -> malfunction display symbols	functionality	
information, navigation, communication, entertainment -> warning display symbols	functionality	
engine -> engine operation -> electro-drive mode	noises, vibrations -> noise	
engine -> engine operation -> electro-drive mode	functionality -> misfire	

Vehicle data

(RS) e-tron GT

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
F8*	2022	A		*	*	*
F8*	2023	A		*	*	*
F8*	2024	A		*	*	*
F8*	2025	A		*	*	*

Documents

Document name
master.xml



Connection offline

Technical Service Bulletin

Transaction No.: **2073490/4**

93 e-tron GT: stuck dog clutch with event memory entries P1D2E00, P1D4500, P1D2D00, P1C9800, P101E00 in 0001

Release date: Feb 5, 2025

Condition

REVISION HISTORY		
Revision	Date	Purpose
4	-	Revised <i>Warranty</i> (Updated Warranty Table) Revised <i>Service</i> (Updated measure)
3	10/28/2024	Revised <i>Service</i> (Updated measure)
2	09/18/2024	Revised <i>Service</i> (Updated measure)

Customer states:

- There is a Gearbox fault message shown in vehicle -> vehicle does not switch to second gear and max. speed is restricted to 74 mph.
- There are noises from the electric drive on the rear axle.
- The message "Gearbox malfunction: you can continue driving. Please contact workshop" or similar is displayed.

Workshop findings:

- The customer statement can be confirmed.

The following DTCs and symptom code(s) are stored (passive/intermittent or active/static) in *the Engine control module name -J623-*, (address word 0001):

- **P1D2E00**: Claw coupling Time exceeded for display Symptom: 43976 passive/intermittent or active/static.
- **P1D4500**: Disk clutch 2nd gear Time exceeded for opening Symptom: 44008 passive/intermittent or active/static.
- **P1D2D00**: Claw coupling Display attempt failed Symptom: 43979 passive/intermittent or active/static.



DTC entries P1D2E00, P1D4500 and P1D2D00 must occur in combination and are logged as both passive/intermittent and active/static.

Technical Background

The dog clutch is stuck radially.

Production Solution

Not applicable.

Service

Check whether the dog clutch is still actively engaged, and the vehicle does not shift into 2nd gear. If this is the case, proceed as follows:



WARNING

Accelerate the vehicle from stationary to a maximum speed of 31 mph and perform a load change by pressing the accelerator. In parallel, please have a second person use an ODIS tester to check whether the vehicle shifts into second gear. If this is the case, the dog clutch was released successfully. The procedure can be aborted or repeated at any time.



WARNING

Information texts relating to the road test/adaptation drive as shown at the start of the road test on the corresponding program on the ODIS Tester:

- Using application programs when driving can be distracting.
- If the driver is distracted, this can lead to accidents and injuries.
- Observe the road traffic regulations. They have priority over any driving instructions.
- Always perform a road test with a second person who operates the test equipment.
- Make sure that the test equipment in the vehicle does not distract the driver.



WARNING

Danger due to the transport of unsecured test equipment.

- If the test equipment is transported unsecured or in the range of airbags, this could cause injuries in certain maneuvers or in the event of an accident.
- Make sure the test equipment is secured properly.
- Do not transport test equipment in areas in which airbags inflate.
- If possible, use test equipment on the rear seat bench. If there is no rear seat bench, keep test equipment flat on the passenger's lap and operated exclusively by them. Move the passenger seat as far back as possible.

Work to perform for dog clutch (comprising of 2 sections):

Section 1:

Software update for vehicle with campaign 91VT.

Section 2:

Checking vehicle health based on event memory entries:

Procedure:

A Stuck dog clutch is identified on the basis of the following DTC entries:

- **P1D2E00:** Claw coupling Time exceeded for display Symptom: 43976 passive/intermittent or active/static.

- **P1D4500:** Disk clutch 2nd gear Time exceeded for opening Symptom: 44008 passive/intermittent or active/static.
- **P1D2D00:** Claw coupling Display attempt failed Symptom: 43979 passive/intermittent or active/static.

Check the frequency counter under “Standard ambient conditions” for the event memory entries given above.

→ If one of the DTC entries has a frequency count of 5 or more:

- Ask the customer whether the vehicle was parked on a slope before the fault occurred.
- If the vehicle is regularly parked on a slope, explain the recommendation to the customer (see information for customer).

Perform Guided Fault Finding for the above DTC entries.



Information for the customer:

Parking the vehicle on a slope:

Activate the electromechanical parking brake before releasing the foot brake and leaving the vehicle (doing so blocks the wheels on the rear axle. The parking lock function is activated directly after the rear wheels have been blocked by the parking brake.

Warranty

Claim Type:	If the vehicle is outside of any warranty, this Technical Service Bulletin is informational only.		
Service Number:	9340		
Damage Code:	0010		
Labor Operations:	Check Transmission Unit	3435 0199	70 TU
	GFF	0150 0060	Labor according to the diagnostic log
	Test drive before the service procedure	0121 0002	10 TU
	Test drive after the service procedure	0121 0004	10 TU
Claim Comment:	As per TSB 2073490/4		

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.

Additional Information

All parts and service references provided in this TSB (**2073490**) are subject to change and/or removal.

©2025 Audi of America, Inc. All rights reserved. The information contained in this document is based on the latest information available at the time of printing and is subject to the copyright and other intellectual property rights of Audi of America, Inc., its affiliated companies, and its licensors. All rights are reserved to make changes at any time

without notice. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, nor may these materials be modified or reposted to other sites without the prior expressed written permission of the publisher.