Technical Service Bulletin

37 Gearbox malfunction message in cluster (DTC P0706)

37 13 18 2034863/2 October 16, 2013. Supersedes Technical Service Bulletin Group 37 number 13-10 dated July 31, 2013 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A4	2013	A064356 - A129720	OAW transmission
A4	2013	N007193 - N012613	
A5 Cab	2012	N015183 - N015305	
A5 Cab	2013	N001253 - N003856	
A6	2012	N175080 - N178909	
A6	2013	N003139 - N043578	

Condition

REVISION HISTORY		
Revision	**Date**	**Purpose**
2	-	Revised *Service* (Added ATF flush procedure) Revised *Warranty* (Added ATF flush procedure)
1	6/31/2013	Initial publication

- Customer may report that the gearbox warning message is on.
- **DTC P0706** (driving mode sensor, implausible signal) is stored in the transmission control module (TCM), J217 (address 02).

Technical Background

There is a reaction between the TCM and the automatic transmission fluid (ATF) in vehicles within a specific VIN range.

Production Solution

Not applicable.

© 2013 Audi of America, Inc.
All rights reserved. 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.

Service

The TCM must be replaced. Before the TCM is replaced, the ATF must be completely flushed, and the ATF test run executed twice, as described in the instructions that follow:

Warning:

There is a risk of damaging the transmission. Perform all the work exactly as described.

1. Drain the ATF according to the instructions in *Elsa >> Repair Manual >> Transmission >> Continuously Variable Transmission Internal Components >> 37 Controls, Housing >> General Information >> ATF, Draining for ATF Flush*.
2. Fill the transmission with new ATF according to the instructions in *Elsa >> Repair Manual >> Transmission >> Continuously Variable Transmission Internal Components >> 37 Controls, Housing >> General Information >> ATF, Filling for ATF Flush*.
3. Perform a test run for ATF flushing according to the instructions in *Elsa >> Repair Manual >> Transmission >> Continuously Variable Transmission Internal Components >> 37 Controls, Housing >> Description and Operation >> ATF Flush, Performing a Test Run*.
4. Drain the ATF, again, according to the instructions in *Elsa >> Repair Manual >> Transmission >> Continuously Variable Transmission Internal Components >> 37 Controls, Housing >> General Information >> ATF, Draining for ATF Flush*.
5. Fill the transmission with new ATF, again, according to the instructions in *Elsa >> Repair Manual >> Transmission >> Continuously Variable Transmission Internal Components >> 37 Controls, Housing >> General Information >> ATF, Filling for ATF Flush*.
6. Perform a test run for ATF flushing, again, according to the instructions in *Elsa >> Repair Manual >> Transmission >> Continuously Variable Transmission Internal Components >> 37 Controls, Housing >> Description and Operation >> ATF Flush, Performing a Test Run*.
7. Drain the ATF according to the instructions in *Elsa >> Repair Manual >> Transmission >> Continuously Variable Transmission Internal Components >> 37 Controls, Housing >> General Information >> ATF, Draining for ATF Flush*.
8. Replace the TCM (J217) according to the instructions in *Elsa >> Repair Manual >> Transmission >> Continuously Variable Transmission Internal Components >> 38 Gears, Hydraulic Controls >> Removal and Installation >> Transmission Control Module J217*.
9. Fill the transmission with new ATF according to the instructions in *Elsa >> Repair Manual >> Transmission >> Continuously Variable Transmission >> 37 Controls, Housing >> General Information >> ATF, Draining or Filling after Repair*.
10. Check and correct ATF level according to the instructions in *Elsa >> Repair Manual >> Transmission >> Continuously Variable Transmission >> 37 Controls, Housing >> General Information >> ATF, Checking Level and Correcting*.

    Note: The drained ATF must not be reused.
11. Test drive to confirm proper operation after repair

© 2013 Audi of America, Inc.
All rights reserved. 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.

Warranty

Claim Type:	Use applicable claim type. If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	3730		
Damage Code:	0040		
Labor Operations:	For A6: Transmission control module remove + reinstall	3730 1900	220 TU
	For A4 and A5 Cabriolet: Transmission control module remove + reinstall	3730 1900	190 TU
	Replace ATF	3702 5550	50 TU
	Flush ATF with test run	3702 1799	120 TU
Diagnostic Time:	GFF	0150 0000	Time stated on diagnostic protocol (Max 60 TU)
	Road test prior to service procedure	No allowance	0 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 #2034863/2		

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
Order to VIN # in ETKA Illustration 927-060	Control Unit For Automatic Transmission - Shiftless	1
0AW 301 475 B	Gasket	1
01T 927 213 A	Gasket	1
G 052516A2	Automatic Transmission Fluid	21

© 2013 Audi of America, Inc.
All rights reserved. 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.

Additional Information

All parts and service references provided in this TSB (2034863) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.

© 2013 Audi of America, Inc.
All rights reserved. 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.