Technical Service Bulletin

91 ACC and braking guard warning message (DTC C110BF0)

91 14 51 2033355/2 July 17, 2014. Supersedes Technical Service Bulletin Group 91 number 13-78 dated March 15, 2013 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A6	2012 – 2016	All	Adaptive Cruise Control (ACC)
A7	2012 – 2016		
A8	2011 – 2016		
A3	2014 - 2016		

Condition

REVISION HISTORY		
Revision	**Date**	**Purpose**
2	-	Revised header data (Added models and model years)
1	3/15/2013	Initial publication

- Adaptive Cruise Control (ACC) does not work.
- The message "ACC and braking guard: unavailable at this time. No sensor vision" appears in the instrument cluster.
- The following DTC is logged in the distance regulation control module, J428 (address word 13):
  - **C110BF0** (Adaptive cruise control sensor restricted view)

© 2014 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.

Technical Background

ACC is deactivated when either of the two radar sensors does not detect any objects for an extended duration. The most common cause for this type of deactivation is that the field of vision of the radar sensor(s) is blocked; however, any of the following conditions could cause the ACC to temporarily switch off:

- Leaves, snow, strong water spray, or dirt in the field of vision of either of the radar sensors. This is mainly related to poor weather conditions. The ACC can also be switched off in dry weather conditions if the radar sensor is covered by salt, dirt, or other debris.
- The radar sensors can be pulled out of their plastic mounting clips in a minor collision which produces no visible external damage. This type of impact may distort the sensor viewing angle enough to create a limited view condition.
- When the vehicle is driven through a long tunnel, the reflection off the walls to the radar sensors can lead to ACC deactivation.
- When the vehicle is driven on desolate roads, the sensors do not receive reflected signals for an extended time (other vehicle traffic is not detected in the sensor field of vision) which can lead to ACC deactivation.

Production Solution

Not applicable.

Service

- An ACC shutdown because of dirt or debris is unavoidable and should not be claimed under warranty. Clean the sensors and the system can be reactivated.
- Minor collisions with no visible exterior damage can damage the plastic mounting clips. Use the available repair kit to replace the mounting clips (see ETKA for part information) and recalibrate the ACC system. Repairs due to outside influence cannot be claimed under warranty.
- If the ACC system is deactivated during a drive in a long tunnel or when traveling for an extended time without other vehicle traffic in the field of view of the sensors, the system is performing as designed. Please explain to the customer this condition and ensure the customer understands the system is operating as designed.

Avoid any unnecessary replacement of the radar sensors.

© 2014 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:	9163		
Damage Code:	0039		
Diagnostic Time:	GFF	0150 0000	Time stated on diagnostic protocol (Max 50 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 #2033355/2		

Additional Information

All parts and service references provided in this TSB (2033355) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.

© 2014 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.