

# Technical Service Bulletin



## 37 Hesitation concerns, harsh downshifts when braking, or harsh 1-2 upshifts

37 14 39 2032812/7 August 1, 2014. Supersedes Technical Service Bulletin Group 37 number 14-35 dated July 2, 2014 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A4, A4 Avant, A5, A5 Cabriolet	2012	All	All with 2.0L and 8 Speed tiptronic
Q5	2012	All	All with 2.0L and 8 Speed tiptronic

## Condition

REVISION HISTORY		
Revision	Date	Purpose
7	-	Revised header data (Removed Model Year 2011) Revised <i>Condition</i> (Added Tip)
6	7/2/2014	Revised <i>Service</i> (Corrected part numbers)
5	7/1/2014	Revised <i>Service</i> (SVM Code Updated) Revised <i>Required Parts and Tools</i> (Updated part number)
4	8/26/2013	Revised <i>Service</i> (Added crankcase pressure regulating valve instructions)
3	8/9/2013	Revised <i>Warranty</i> (Added battery charge to GFF)
2	4/9/2013	Revised <i>Warranty</i> (Added labor operation; corrected service number)
1	1/31/2013	Initial publication

Hesitation concerns, harsh downshifts when braking, or harsh 1-2 upshifts.



**Tip:** Due to an ODIS issue, this bulletin no longer applies to Model Year 2011 vehicles. Postpone repairs for this condition on Model Year 2011 vehicles until further notice.

## Technical Background

Further transmission control module (TCM), J217, software calibration needed to improve shift concerns. Further engine control module (ECM), J623, software calibration needed to improve hesitation.

## Production Solution

New software in the TCM and ECM addresses the condition.

## Service

To achieve the best results, *both* the ECM software and the TCM software must be at the latest levels.

Early production vehicles may need the crankcase pressure regulating valve, front crankshaft seal, and crankshaft bolt replaced with the ECM software update.

### Checking or replacing crankcase pressure regulating valve

1. Check the part number of the crankcase pressure regulating valve.
2. If the installed part number is **06H 103 495 AE**, proceed to the SVM update instructions. Do not replace any parts.
3. If the installed part number is *not* **06H 103 495 AE**:
  - a. Replace crankcase pressure regulating valve with part number **06H 103 495 AE**.
  - b. Replace front crankshaft seal with part number **06L 103 085 B**. (Also requires front crankshaft bolt **WHT 001 760**).



**Note:** If the ECM software is updated without crankcase pressure regulating valve part number **06H 103 495 AE** installed, engine performance may be compromised and the Check Engine light might be activated.

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## SVM Update Instructions

1. Follow all instructions in TSB 2011732: *00 Software Version Management (SVM), operating instructions*.
2. Update the TCM and ECM using the SVM action code as listed in the table below if necessary.

Model Year	Model	Engine and Transmission	Old Software Part Number	Old Software Version (or lower)	New Software Part Number	New Software Version (or higher)	SVM Action Code
<b>Transmission software update</b>							
2012	A4, A4 Avant, A5, A5 Cabriolet	2.0 L with 0BK 8 speed transmission	8K0927158S or 8K0927158Q	All	8K0927158S	1007	02A072
2012	Q5	2.0 L with 0BK 8 speed transmission	8R0927158T or 8R0927158M	All	8R0927158T	1008	
<b>Engine software update</b>							
2012	A4, A4 Avant, A5, A5 Cabriolet	2.0 L with 0BK 8 speed transmission	8K2907115AG	0002	8K2907115AG	0003	01A120
2012	Q5	2.0 L with 0BK 8 speed transmission	8R0907115P	0002	8R0907115P	0003	

3. Clear adaptations and perform test drive adaptation through GFF for 2011 model year.
4. Clear adaptations and perform standstill adaptation for 2012 model years.

# Technical Service Bulletin



## Warranty

<b>Claim Type:</b>	Use applicable claim type. If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
<b>Service Number:</b>	3730		
<b>Damage Code:</b>	0039		
<b>Labor Operations:</b>	Update software of TCM	3730 2599	40 TU
	Update software of ECM	2470 2599	40 TU
	Pressure regulating valve remove + install (If needed)	1726 1913	50 TU
	Crankshaft vibration damper remove + install (If needed)	1375 1913	90 TU
	Crankshaft oil seal, pulley end remove + install (If needed)	1374 1963	30 TU
	Perform standstill adaptation (MY 2012 only)	3735 5799	60 TU
	-OR-		
	Perform test drive adaptation	Included in GFF below	
<b>Diagnostic Time:</b>	GFF to perform test drive adaptation (includes battery charge)	0150 0000	Time stated on diagnostic protocol (Max 110 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)		
<b>Claim Comment:</b>	As per TSB #2032812/7		

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



**Note:** crankcase pressure regulating valve update.

Part Number	Part Description	Quantity
06H103495AE	Crankcase pressure regulating valve	1
06L103085B	Front crankshaft seal	1
WHT001760	Front crankshaft pulley bolt	1

## Additional Information

The following Technical Service Bulletin will be necessary to complete this procedure:

- TSB 2011732: *00 Software Version Management (SVM), operating instructions.*

All part and service references provided in this TSB (2032812) are subject to change and/or removal. Always check with your Parts Dept. and service manuals for the latest information.