



# Technical Service Bulletin

## Cold engine runs rough or stumbles; warm engine may stall when engaging gear and vehicle is stationary

24 07 01 2010890/3, Jan. 9, 2007. Supersedes Technical Service Bulletin Group 24 number 05-05 dated Oct. 28, 2005 due to the release of new software and SVM.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A4	2005 – 2006	All	3.2 L FSI V6 Engine
A6	2005 – 2006	All	

## Condition

The customer may report:

- Engine may idle rough after a cold start.
- Engine may stumble or hesitate at slow initial acceleration after a cold start and under certain weather conditions. Condition will not exist with warm engine.
- Engine may attempt to stall at idle when transmission is shifted from Neutral or Park to Drive or Reverse when coolant temperature is above 176° (80°) and the vehicle is stationary.

There are no diagnostic trouble codes (DTCs) associated with this condition.

## Technical Background



**Note:** Any *Update Programming procedure (flash)* may overwrite any “TUNED” ECM or TCM programming. A “TUNED” ECM or TCM is described as any ECM or TCM altered so as to perform outside the normal parameters and specifications approved by Audi of America, Inc.

**Current Tuned ECM or TCM requirements:** If you encounter a vehicle with a “Tuned” ECM or TCM, your dealership must do the following before performing any procedure that updates ECM or TCM programming:

- Notify the owner that their ECM or TCM was found to have been tuned
- Notify the owner any damage caused by the tuning of the ECM or TCM (including any adverse emissions consequences) will not be covered by Audi of America, Inc. warranties.
- Obtain the owner's written consent (see attached Control Module Tuning form) for any requested repair *under warranty or outside warranty* that requires flashing, which will automatically overwrite the “Tuned” program.

# Technical Service Bulletin



## Production Solution

New software in the *Engine Control Module* resolved the problem.

## Service

- Ensure the Control Module Tuning form (see attachments) has been filled out by the owner.

### For A4 (B7) ONLY:

- Always use the **6017B** K-Line Adapter to ensure communication to all modules.



**Note:** Do not use a 6017 or 6017A while flashing. Doing so may result in complete control module failure.

- Update the *Engine Control Unit* using the SVM action code as listed in the table below:

Model	Engine	Old Software Part Number	Old Software Version	New Software Part Number	New Software Version (or higher)	SVM Action Code
A4 (B7)	V6 3.2 FSI	8E0 910 559 D	all versions	8E1 910 559 D	010	NA8E24MT01
		8E0 910 559 F				
		8E0 910 559				
		8E1 910 559 C	all versions	8E1 910 559 E	010	
A6 (C6)	V6 3.2 FSI	4F0 910 115 A	all versions	4F2 910 559 B	020	NA4F24MT01
		4F1 910 559 B				
		4F1 910 559 F				
		4F1 910 559 E				
		4F2 910 559	all versions	4F2 910 559 C	020	



**Tip:** The SVM Process must be completed in its entirety so the database receives the update confirmation response. A warranty claim may not be reimbursed if there is no confirmation response to support the claim.

- For further SVM update instructions and troubleshooting please refer to the *SVM Operating Manual; ElsaWeb TSB 2011732*

# Technical Service Bulletin



## Warranty

When procedure applies to vehicles within the New Vehicle Limited Warranty, use the following:			
Claim Type:	W2		
Part Identifier:	2470		
Labor Operation:	2470 2547	Insert Labor Operation Description from ElsaWeb here	A4: 100 TU A6: 80 TU
Diagnostic Time:	Diagnostic time reimbursement follows guidelines printed in Section 2.2 of the <i>Audi Warranty Policies and Procedures Manual</i>		
Claim Comment:	As per TSB #2010890/3		
All warranty claims submitted for payment must be in accordance with the <i>Audi Warranty Policies and Procedures Manual</i> . Claims are subject to review or audit by Audi Warranty.			

## Additional Information

The following technical service bulletin will be necessary to complete this procedure:

- 2011732; Software Version Management (SVM) Operating Manual

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

