

# Technical Service Bulletin



## 01 MIL on (DTC P034100 or P034600 - Intake cam position sensor)

01 14 72 2036687/1 March 13, 2014.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A8	2011 - 2012	All	4.2 FSI

## Condition

- MIL on.
- One of the following DTCs is stored in the engine control module (ECM), J623 (address word 01):
  - **DTC P034100** (Intake Camshaft Position Sensor Range/Performance - Bank 1)
  - **DTC P034600** (Intake Camshaft Position Sensor Range/Performance - Bank 2)
- The customer reports that the engine may sporadically run rough, but without significant loss of power or stalling.

## Technical Background

The ECM software needs to be updated. Additionally, the intake camshaft position sensors, G40 and G163, need to be replaced due to an internal electrical issue.

## Production Solution

Improved ECM software and sensor production.

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## Service

1. Install the intake camshaft position sensors:
  - G40 is installed in the right cylinder, bank 1.
  - G163 is installed the left cylinder, bank 2.
2. Update the ECM software using the *SVM Update Instructions* below.

### SVM Update Instructions

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

Model	Engine	Old Software Part Number	Old Software Version	New Software Part Number	New Software Version (or higher)	SVM Action Code
A8	4.2FSI	4H0907560A	all	4H0907560C	0005	01A155
A8	4.2FSI	4H0907560C	all			

## Warranty

<b>Service Number:</b>	2866		
<b>Damage Code:</b>	0040		
<b>Labor Operations:</b>	Intake Camshaft sensors remove + reinstall (Both Bank1 and Bank2)	2866 2019	30 TU
	Update ECM software	2470 2599	40 TU
<b>Diagnostic Time:</b>	GFF	0150 0000	10 TU
	Road test prior to service procedure	No allowance	0 TU
	Road test after service procedure	No allowance	0 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 #2036687/1		

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.

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## Required Parts and Tools

Part Number	Part Description	Quantity
07L905163C	Camshaft position sensors G40 and G163	2

## 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 (2036687) are subject to change and/or removal. Always check with your Parts Dept. and service manuals for the latest information.