

# Technical Service Bulletin



## 24Z4 UPDATE – ECM Software Update (FED\_EMS)

April 15, 2014

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
R8 Coupe R8 Spyder	2011 - 2014	See Campaign/Action screen in Elsa	None

## Condition

This Update has been proactively released to prevent the following condition from occurring in the vehicle:

Update the engine control unit to install revised diagnostic capability for Audi R8 vehicles with 5.2L FSI engine manufactured within a specific period.

This Update is in effect until removed.

Vehicle must meet all of the following criteria:

- Procedure is valid only for vehicles that show the **24Z4** code in the Elsa Campaign/Action Information screen on the day of repair.
- Vehicle must be within the Federal Emissions Warranty.
- Procedure must be performed within the allotted time frame stated in this Technical Service Bulletin.
- Procedure must be performed on applicable vehicles in dealer inventory prior to sale.

## Technical Background

Update the engine control unit to install revised diagnostic capability for Audi R8 vehicles with 5.2L FSI engine manufactured within a specific period.

## Service

### SVM Update Instructions

1. Follow all instructions in TSB 2011732: *00 Software Version Management (SVM), operating instructions*.
2. Start a new session.
3. In ODIS, using Flash -> SVM – Code input, perform SVM code **24Z4A001** to update the ECMs, (01 and 11).



### Note:

If the Bluetooth wireless VAS 5054A transmitter head is used in conjunction with a VAS tester, the transmitter head **MUST BE** connected with a USB cable to the tester.

### Test Drive

1. During the test cycle through the following conditions:
  - Acceleration phases with engine load with the RPM between 3000 - 4000.
  - Deceleration phases with no throttle applied.
  - Consistent speed with RPM between 2000 – 3000
2. The test drive should be performed for 20 minutes unless the engine management warning lamp (EPC) lights up.
3. If the EPC does not light up no further work is required.
4. If the EPC does light up and fault code “P310A – Fuel low pressure regulation, fuel pressure fluctuating” appears in the event memory, the high-pressure fuel pumps must be replaced.

### Fuel Pump Replacement

Replace the high-pressure fuel pumps following the instructions in ElsaPro >> Repair Manual >> Engine >> Fuel Injection and Ignition >> 24 Multiport Fuel Injection >> Removal and Installation >> High Pressure Pumps.

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## Warranty

<b>Update Time Requirements/ Reimbursement</b>	To ensure prompt and proper payment, be sure to immediately enter the applicable reimbursement code listed below upon completion of the repair work. Claims will be paid only for vehicles that show the <b>24Z4</b> code in the Elsa Campaign/Action Information screen on the day of repair.		
<b>24Z4 Saga Claim Entry Procedure</b>			
Check ElsaWeb to determine whether Update <b>24Z4</b> is open.			
<b>Service No.: 24Z4</b>			
<b>Damage Code:</b> 0099			
<b>Parts Manufacturer -</b> Removed part: 002			
<b>Claim Type</b>			
Sold vehicle = 7 10			
Unsold vehicle = 7 90			
<b>Saga Accounting Instructions</b>			
Criteria ID	Repair operation	Labor Operation Number	TU
42	Connect battery charger	2706 8950	10
	Perform software update for ECM	2470 2399	Time stated on diagnostic protocol (max 50TU)
	Perform test drive	0121 5099	50
<b>If High Pressure Fuel Pumps Required Replacement – Coupe</b>			
42	Replace both high-pressure pumps	2463 2099	300
<b>If High Pressure Fuel Pumps Required Replacement – Spyder</b>			
42	Replace both high-pressure pumps	2463 2199	380

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Criteria ID	Part Number	Part Description	Quantity
42	07L127026T	High-pressure fuel pump	2
	06E127535	Sealing plug	1
	07L133920D	Throttle body gasket	2
	07L129717E	Intake manifold seals	10
	07L133073F	Throttle body gaskets	2

There is no reimbursement for vehicle wash or loaner vehicle.

**If the vehicle is outside of the specified warranty period, the customer has the option to pay for the repair.**

*If the customer agrees to pay for the repair:*

Fax the information to (248) 754-5093 and provide VIN, applicable Service Number, Customer Info, Dealer Number and Date.

**Additional Actions** Some of the affected vehicles may be involved in additional Actions. Please check your ElsaWeb Campaign/Action Information screen so that any *additional required work can be done simultaneously*.

**Update Verification** For verification, *always* check the ElsaWeb Campaign/Action Information screen. The ElsaWeb system is the *only* binding inquiry and verification system; other systems are not valid and *may result in non-payment* of a claim.

**Help for Claim Input** For questions regarding claim input, contact the Warranty Helpline.

**Required Customer Notification** Inform your customer in writing by recording on the Repair Order any and all work that was conducted on the vehicle, including any and all updates completed under this Update.

## Required Parts and Tools

Part Number	Part Description	Quantity
07L127026T	High-pressure fuel pump	2
06E127535	Sealing plug	1
07L133920D	Throttle body gasket	2
07L129717E	Intake manifold seals	10
07L133073F	Throttle body gaskets	2

- Properly destroy and dispose of removed parts in accordance with all state and local requirements, unless otherwise indicated and/or requested through SAGA.
- If you have exhausted your allocated parts and you require additional parts for vehicles affected by this Update but have exceeded your Upper Order Limit, please submit your requests for additional parts via email to [upperorderlimits@audi.com](mailto:upperorderlimits@audi.com). Be sure to include the affected VINs with your order. Prior to submitting your request, ensure that each vehicle has the **24Z4** code open in Elsa. Your order will be reviewed and processed accordingly.

## Additional Information

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