



## Safety Recall R176 [NHTSA # 06V-418]: Fuel Tank Replacement

## SERVICE BULLETIN

18-AUG-14

No.: 7-047USA  
[Issue 3]

Section: RECALL

Market: USA

CHANGES ARE NOT HIGHLIGHTED

***Jaguar Land Rover North America, LLC has informed the National Highway Transportation Safety Administration (NHTSA) of its intent to perform a Safety Recall on 2005 model year Jaguar S-TYPE vehicles imported into the United States market. Information relating to the proposed Recall will be posted on the NHTSA website.***

***United States Federal regulations require that retailers must be advised of this Recall notification within three working days after government notification.***

***United States Federal law requires retailers to complete any outstanding safety Recall service before a new vehicle is delivered to the buyer or lessee. Violation of this requirement by a retailer could result in a civil penalty of up to \$7,000.00 per vehicle.***

***This Recall Service Bulletin serves as notification to all Jaguar retailers in the United States and Puerto Rico that any affected new vehicles may not be sold and delivered for customer use until the Recall repair is completed.***

### DESCRIPTION

Jaguar has identified a concern with fuel tanks fitted to 2005MY Jaguar S-TYPE vehicles. Some of the affected vehicles may have fuel tanks in which the fuel delivery module (FDM), jet pump module (JPM), and/or cluster valve (CV) seals are not properly retained in the fuel tank. This may result in illumination of the malfunction indicator lamp (MIL), or a fuel odor. If the fuel level is above the FDM, JPM, or CV apertures, fuel may be discharged onto the ground. Leaks are most likely to occur only after a fuel tank has been fully filled.

Liquid fuel, in the presence of an ignition source, could result in a fire.

### AFFECTED VEHICLES / OWNER NOTIFICATION

The VIN range of affected vehicles is N05049-N52047.

Owner notification began the week of 5 February 2007.

### WORKSHOP PROCEDURES

Retailers are required to check DDW to ensure that the vehicle is affected by this program prior to undertaking any rework action. Retailers are required to **HOLD** all affected vehicles in the above VIN range that are in their control and refrain from releasing the vehicles for new or used vehicle sale pending completion of the rework action. Affected vehicles already in the hands of customers should be updated at the next available opportunity.

Refer to Technical Bulletin R176NAS: *Safety Recall: Fuel Tank Replacement*, for detailed repair instructions.

## PARTS

**TABLE 1 – 4.2L V8 SUPERCHARGED VEHICLES ONLY**

DESCRIPTION	PART No. / SUNDRY CODE	QTY. / VALUE
C2Z29212	Fuel tank	1
C2D25079	Fuel pump	1
C2D25076	Flange	1
C2Z7361	Gasket	1
C2Z7352	Retaining ring	1
C2Z8500	Pipe - fuel feed	1
C2Z21711	Strap - tank left-hand	1
C2Z21684	Strap - tank right-hand	1
C2Z10210	Heatshield	1
C2Z4771	Hose - fuel filler	1
XR858662	Heat-sleeve	1
XR858628	Evaporator pipe	1
XR858660	Fuel pump module	1
XR858670	Fuel tank harness	1
AAU5884J	Cable tie - 50mm (L) X 2mm (W)	8
C2C8870	M6 nut with flange	2
C2D13865	M5 nut with flange	2
XR858671	Cabin overlay wiring harness	1
Other	Suitable tape (locally sourced) RTV silicon sealant (locally sourced) Four (4) 150mm-length cable ties (locally sourced)	*\$5.00

 **NOTE:** An allowance of \$5.00 has been allocated to cover the cost of locally sourced duct tape, silicon sealant, and 150mm-long cable ties.

Displaced tanks **MUST** be rendered unusable and safely disposed of in accordance with local policies and procedures. For recovery of disposal costs, please refer to the Related Damage section within the Warranty information.

**TABLE 2 – 3.0L V6 / 4.2L V8 NATURALLY ASPIRATED VEHICLES ONLY**

DESCRIPTION	PART No. / SUNDRY CODE	QTY. / VALUE
C2Z29213	Fuel tank	1
C2Z23192	Fuel pump	1
C2D25076	Flange	1
C2Z7361	Gasket	1
C2Z7352	Retaining ring	1
C2Z8500	Pipe - fuel feed	1
C2Z21711	Strap - tank left-hand	1
C2Z21684	Strap - tank right-hand	1
C2Z10210	Heatshield	1
C2Z4771	Hose - fuel filler	1
XR858662	Heat-sleeve	1
XR858628	Evaporator pipe	1
XR858626	Fuel tank wiring harness	1
AAU5884J	Cable tie - 50mm (L) X 2mm (W)	8
XR857854	M6 nut with flange (ground wire fixing)	1
XR858627	Ground lead	1
-	Suitable tape (locally sourced)	*
XR858630	Instrument Cluster	1
XR858629	Resistor box	1
-	RTV silicon sealant (locally sourced) Four (4) 150mm-length cable ties (locally sourced)	*\$5.00

**NOTE:** An allowance of \$5.00 has been allocated to cover the cost of locally sourced duct tape, silicon sealant, and 150mm-long cable ties.

Displaced tanks MUST be rendered unusable and safely disposed of in accordance with local policies and procedures. For recovery of disposal costs, please refer to the Related Damage section within the Warranty information.

### TOOLS

Refer to Service Instruction / Workshop Manual for any required tools

### WARRANTY

**NOTE:** Check DDW to ensure that the vehicle is affected by this program prior to undertaking any rework action. Repair procedures are under constant review, and therefore times / prices are subject to change; those quoted here must be taken as guidance only. Refer to TOPIx to obtain the latest repair time. At the time of confirming a booking for vehicle repair, ensure that all outstanding Service Actions are identified to ensure the correct parts are available and adequate workshop time is allocated for repairs to be completed at one visit.

Warranty claims must be submitted quoting Program Code 'R176' together with the relevant Option Code from the table. SRO and parts information is included for information only. The Option Code(s) that allows for the drive in /

drive out allowance can only be claimed if the vehicle is brought into the workshop for this action alone to be undertaken.

Warranty claims must be submitted for payment within 30 calendar days of completion of the repair.

PROGRAM CODE	OPTION CODE	DESCRIPTION	SRO	TIME (HOURS)	PART No. / SUNDRY CODE	QTY. / VALUE
R176	U	<b>NOTE: 4.2L V8 Supercharged vehicles only</b> Fuel tank service fix	19.92.08	5.0	C2Z29212	1
		C2D25079			1	
		C2D25076			1	
		C2Z7361			1	
		C2Z7352			1	
		C2Z8500			1	
		C2Z21711			1	
		C2Z21864			1	
		C2Z10210			1	
		C2Z4771			1	
		XR858662			1	
		XR858628			1	
		XR858660			1	
		XR858670			1	
		AAU5884J			8	
C2C8870	2					
C2D13865	2					
XR858671	1					
Other	\$5.00					
R176	V	<b>NOTE: 4.2L V8 Supercharged vehicles only</b> Fuel tank service fix	19.92.08	5.0	C2Z29212	1
		C2D25079			1	
		C2D25076			1	
		C2Z7361			1	
		C2Z7352			1	
		C2Z8500			1	
		C2Z21711			1	
		C2Z21864			1	
		C2Z10210			1	
		C2Z4771			1	
		XR858662			1	
		XR858628			1	
		XR858660			1	
		XR858670			1	
		AAU5884J			8	
		C2C8870			2	
C2D13865	2					
XR858671	1					
Other	\$5.00					
		Drive in/drive out	10.10.10	0.1	-	-
R176	W	<b>NOTE: 3.0L V6 / 4.2L V8 naturally aspirated vehicles only</b> Fuel tank service fix	19.92.08	5.3	C2Z29213	1
		C2Z23192			1	
		C2D25076			1	
		C2Z7361			1	
		C2Z7352			1	
		C2Z8500			1	
		C2Z21711			1	
		C2Z21864			1	
		C2Z10210			1	

					C2Z4771 XR858662 XR858628 XR858626 AAU5884J XR857854 XR858627 XR858630 XR858629 Other	1 1 1 1 8 1 1 1 1 1 \$5.00
R176	Y	<b>NOTE: 3.0L V6 / 4.2L V8 naturally aspirated vehicles only</b> Fuel tank service fix	19.92.08	5.3	C2Z29213 C2Z23192 C2D25076 C2Z7361 C2Z7352 C2Z8500 C2Z21711 C2Z21864 C2Z10210 C2Z4771 XR858662 XR858628 XR858626 AAU5884J XR857854 XR858627 XR858630 XR858629 Other	1 1 1 1 1 1 1 1 1 1 1 1 1 1 8 1 1 1 1 \$5.00
		Drive in/drive out	10.10.10	0.1	-	-

*Normal Warranty policies and procedures apply*

**RELATED DAMAGES:**

Supplementary claims for fuel tank disposal costs can only be made once the Recall claim has been accepted for payment. Claims should be submitted quoting Program Code '**R176**' and by clicking the 'Related Damage' radio button on the claim submission screen. Use Option Code '**X**', enter the disposal costs against Sundry Code '**Other**', and quote the value in local currency.

PROGRAM CODE	OPTION CODE	DESCRIPTION	SRO	TIME (HOURS)	PART No. / SUNDRY CODE	QTY. / VALUE
R176	X	Reimbursement of fuel tank disposal	-	-	Other	Dealer entered value

Displaced tanks **MUST** be rendered unusable and safely disposed of in accordance with local policies and procedures.

# Safety Recall R176: Sample Owner Letter

**RE: Safety Recall Action R176 - Fuel tank replacement**

**Vehicles Affected: Jaguar S-TYPE**

**Model Year: 2005**

## **Dear Jaguar Owner:**

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act. Jaguar Cars has decided that a defect, relating to motor vehicle safety, exists in certain 2005 model year S-TYPE vehicles. Investigations have determined that some of the fuel tanks in these vehicles have seals that are not properly retained in the fuel tank. Your vehicle is included in this recall action.

## **What is the concern?**

Some of the affected vehicles may contain fuel delivery module (FDM), jet pump module (JPM) and/or cluster valve seals located on the top of the tank that are not properly retained due to fuel tank manufacturing variability and/or excessive clamp loads. If the sealing is inadequate, the On Board Diagnostic leak detection system may sense an evaporative system hole of greater than 0.5 mm diameter and illuminate an amber Malfunction Indicator Lamp on the instrument cluster (Check Engine Light). If the fuel tank is fully filled with fuel or the vehicle is parked on a hill with a leak path present, the driver may notice fuel odor or fuel leakage. A fuel leak in the presence of an ignition source may result in a fire.

## **What will Jaguar and your Jaguar dealer do?**

Jaguar Cars is carrying out a voluntary recall of affected vehicles. An authorized Jaguar dealer will inspect your fuel tank to determine if a repair using revised seals is possible. If the repair is not possible as indicated by the inspection the dealer will replace your vehicle's fuel tank with a fuel tank that is manufactured to the correct specification. All repairs will be performed free of charge.

## **What should you do?**

Please contact your authorized Jaguar dealer at your earliest convenience to schedule an appointment to have Safety Recall Action R176 completed on your vehicle. In the time prior to the Recall repair Jaguar recommends, as a precaution, that your fuel tank be filled **no more than 3/4 full**. This precaution will reduce the likelihood of leakage due to fuel contact with a defective seal.

## **How long will it take?**

Expected repair time is estimated to be approximately three hours to install a new fuel tank. However, due to service scheduling requirements at the dealer, your vehicle may be needed for a longer period of time.

## **Attention Leasing Agencies:**

**Federal regulations require that you forward this recall notification to the lessee within TEN days.**

## **Moved or no longer own a Jaguar?**

If you are no longer the owner of this vehicle, Jaguar would greatly appreciate the name and address of the new owner, using the enclosed return postage-paid card.

## **What should you do if you have further questions?**

Should you have any questions regarding this Recall Action or need assistance in locating your nearest authorized Jaguar dealer, please contact the Jaguar Customer Relationship Center at:

**1 800 4JAGUAR (1-800-452-4827)**

You can also contact Jaguar by e-mail: Visit the web site [www.jaguarusa.com](http://www.jaguarusa.com) and send an email from the "Contact Us" section.

If you have the need to contact Jaguar by mail, please use the following address:

**Jaguar Cars**

**ATTN: Customer Relationship Center**

**555 MacArthur Boulevard**

**Mahwah, NJ 07430-2327**

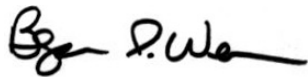
If you are still having difficulty getting your vehicle repaired in a reasonable time or without charge, you may write the

Administrator, National Highway Traffic Safety Administration  
400 Seventh Street, S.W.  
Washington, D.C. 20590

Or you may call the toll-free Vehicle Safety Hotline at 1-888-327-4236 (TTY: 1-800-424-9153), or log on to [www.safercar.gov](http://www.safercar.gov) to submit a complaint electronically.

We appreciate your confidence in our product and wish to do everything we can to retain that confidence. Jaguar in cooperation with your authorized dealer will strive to minimize any inconvenience to you caused by this campaign.

Sincerely,



Benjamin I. Weiner  
Customer Satisfaction Manager

## Safety Recall R176: Technical Q & A

**Main Message:** An issue has been identified on certain 2005 model year Jaguar S-TYPE (X200) vehicles in the VIN range from N05049 to N52047 specified with the Low Emission Vehicle Stage II (LEV II) evaporative emissions system, where it is possible that some fuel tanks were not made to specification. This may prevent the fuel delivery module, jet pump module or cluster valve seals from adequately sealing. The vehicle may illuminate a Malfunction Indicator Lamp (MIL), exhibit a fuel odor or, possibly after completely refueling, liquid fuel may be seen on the ground.

**Q1 Who do I contact if a member of the press contacts me about this recall?**

**A** Please ensure that any Press enquiries are referred to the Jaguar Land Rover Corporate Affairs office.

**Q2 Why is Jaguar Land Rover Limited recalling certain S-TYPE models?**

**A** Jaguar Land Rover Limited is conducting a voluntary safety recall involving certain 2005 model year Jaguar S-TYPE vehicles to install a new fuel tank. This work will be carried out free of charge.

**Q3 Can you tell me more about what is wrong with the vehicle?**

**A** Investigations have determined that 2005MY Federal vehicles may be fitted with a fuel tank that has inadequate thickness around the apertures and/or dimension concerns that could lead to aperture distortion around the seals. Where the tank aperture sealing is inadequate it is possible for the On Board Diagnostic leak detection system to sense this and could result in illumination of the malfunction indicator lamp (MIL) or a fuel odor. Fuel leaks are most likely to occur only after a fuel tank has been fully filled.

**Q4 How would the customer become aware of potentially having this concern?**

**A** The vehicle may illuminate a malfunction indicator lamp (MIL), exhibit a fuel odor or, possibly after completely refueling, liquid fuel may be seen on the ground.

**Q5 Does this recall affect vehicle safety?**

**A** Because most of the reports describing fuel leaks that Jaguar Land Rover Limited has received indicate that the leaks occurred following refueling of the tank, it is advisable that customers refrain from completely filling their fuel tanks.

**Q6 How was the condition discovered?**

**A** This condition was discovered through routine analysis of warranty data.

**Q7 Have there been any accidents or injuries?**

**A** There have been no fires, accidents or injuries of which we are aware.

**Q8 Is the defect leading you to any concerns regarding the reliability of a system, which is supposed to be designed and engineered for the passengers' safety? What type of measures are you planning to take?**

**A** We have no concerns with the reliability of the fuel tank when it is manufactured to the correct specification. This issue is a quality concern associated with manufacturing process of the fuel tank that was manufactured away from specification by the fuel tank supplier. Appropriate additional safeguards have been introduced at the supplier to prevent a recurrence of this manufacturing problem.

**Q9 What will the authorized repairers do to the vehicles?**



**A** Authorized repairers will replace the fuel tank with a known good fuel tank.

**Q10 Which vehicles are affected by this recall?**

**A** This concern affects 2005 Model Year S-TYPE vehicles that are fitted with the Low Emission Vehicle Stage II (LEV II) evaporative emissions control system only. These vehicles are only specified for sale in the United State of America and Canada. S-TYPE vehicles in all other markets are fitted with a completely different fuel tank and are unaffected by this concern.

**Q11 Are other Jaguar models affected by these actions?**

**A** No other Jaguar vehicles are affected by this action.

**Q12 Are parts available to rework vehicles?**

**A** Parts will be available at campaign launch.

**Q13 How much will the recall cost Jaguar Land Rover Limited?**

**A** Cost is never a factor in Jaguar Land Rover Limited decisions to recall vehicles.

**Q14 How do I know if my S-TYPE vehicle is affected?**

**A** All owners of potentially affected vehicles will receive a letter shortly inviting them to contact a Jaguar authorized repairer for the work to be carried out.

**Q15 How long does it take for the car to be repaired?**

**A** The work to be carried out will vary in time depending on the vehicle type, but it is expected to be completed in approximately five and one-half (5.5) hours. Naturally, due to workshop schedules, vehicles may be required for longer.

**Q16 Can I continue to drive my S-TYPE vehicle safely until it has been recalled?**

**A** If a customer is at all concerned about operating their vehicle in these conditions, our advice is to fill the fuel tank no more than  $\frac{3}{4}$  full.

**Note: Please ensure that any Press enquiries are referred to the Jaguar Land Rover Corporate Affairs office.**