



MODEL  
S-TYPE

DATE  
21 Mar 2007

NUMBER  
7-47USA  
Version 2

**SERVICE**

# **ADMINISTRATION BULLETIN**

*Subject:* **Safety Recall R176 – (NHTSA # 06V- 418) Fuel Tank Repair/Replacement**

A possible defect that relates to motor vehicle safety may exist in some 2005 Jaguar model S-TYPE vehicles imported by Jaguar Cars.

## **DESCRIPTION OF DEFECT**

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.

For information purposes, a Technical Question and Answer document is appended as Attachment 2.

## **VEHICLES INVOLVED/CUSTOMER NOTIFICATION**

Unsold vehicles have been quarantined pending the release of the Recall Action. This Recall Action supersedes the Quarantine Notice announced in Administration Bulletin 7-40NAS "Recall R176 - Notification of Fuel Tank Recall".

A total of **13,655** vehicles imported into the United States are involved in this Recall Action. Vehicles in the VIN range N05049 – N52047 are affected.

Customer notification began the week of February 5th. Mailings will be completed by the end of March 2007. A sample owner letter is appended to this bulletin as Attachment 1.

**U.S. Federal law requires dealers to complete any outstanding safety Recall service before a new vehicle is delivered to the buyer or lessee. Violation of this requirement by a dealer could result in a civil penalty of up to \$6,000 per vehicle.**

Dealers are advised that the use of vehicles from the affected VIN range as demonstrators or loaner vehicles may be considered a violation of Federal legislation. Jaguar Cars recommends against using affected vehicles for demonstrator or loaner purposes until the repair has been performed. Please consult your own legal counsel if you have questions in this regard.

## **WORK PROCEDURES**

Jaguar has taken the decision to recall all affected vehicles to have the fuel tank inspected and repaired or if indicated by the inspection the fuel tank will be replaced. Refer to USA Version 2 of Technical Bulletin R176 "RECALL: Fuel Tank Replacement" for the detailed workshop procedure.

**NOTE:** The revised repair procedure requires Dealers to inspect the fuel tank and to replace the tank opening seals. If the seal replacement procedure cannot be completed due to tank damage or other reasons the dealer is to replace the fuel tank assembly. The customer letter includes a statement about inspection for potential seal replacement.

CIRCULATE TO	Service Mgr	Warranty	Technician	Body Shop	Parts Mgr	Parts Counter
	X	X	X		X	X

Issued by:

Jaguar Cars, 555 MacArthur Blvd, Mahwah, NJ 07430

**STATUS CHECKING/VEHICLE IDENTIFICATION**

You may check the disposition of any vehicle using the Jaguar DDW vehicle history screen. In order to prevent recall duplication always verify the status of a Recall or Service Action using DDW.

Ensure that any outstanding Service Campaigns against a vehicle in this Recall are identified, that any required parts are available and that shop time is allocated to affect those repairs in conjunction with the R176 Recall activity.

**PARTS:**

△ NOTE: Allocation of fuel tanks to dealers has commenced at a rate determined by dealer sales and the supply stream.

- XR8 57241 .....Fuel Tank Seal Kit Qty 1
- XR8 50738 .....LEV II fuel tank assembly - Normally Aspirated Qty 1
- XR8 50591 .....LEV II fuel tank assembly - Supercharged Qty 1

△ NOTE: Removed tanks must be safely disposed of following local regulations and established Jaguar policy. Your Aftersales Market Managers (AMM) have been provided with further details on disposal cost reimbursement procedures incurred because of local legislation or high volume. Contact your AMM for additional information.

**TOOL ID NUMBERS**

- 0-93-0025.....Go / No Go Gauge (128.5 mm / 132 mm)
- 0-93-0026.....Go / No Go Gauge (115.5 mm /119 mm)

**WARRANTY:**

Direct Dealer Warranty (DDW) Warranty claims should be submitted quoting the program code R176 together with the relevant option code from the table. This will result in payment of the stated time and, where applicable, parts/miscellaneous expense codes.

As option codes are used, there is no requirement for you to enter parts or SRO information; these are repeated here for information only.

Campaign Code	Option	Description	SRO	Time	Part No.	Qty
<b>SUPERCHARGED VEHICLES</b>						
R176	F	Carry out inspection – renew fuel tank (S/C)	19.91.85	3.3	XR8 50591	1
R176	G	Carry out inspection - renew fuel tank (S/C) Drive in/drive out	19.91.85 10.10.10	3.3 0.1	XR8 50591	1
R176	M	All Vehicles Carry out inspection, install new tank seals and carry out smoke test – no further action required	19.91.83	3.8	XR8 57241	1
R176	N	All Vehicles Carry out inspection, install new tank seals and carry out smoke test – no further action required Drive in/drive out	19.91.83 10.10.10	3.8 0.1	XR8 57241	1
R176	P	Carry out inspection, install new tank seals, carry out smoke test and renew fuel tank (S/C)	19.91.84	4.0	XR8 57241 XR8 50591	1 1
R176	Q	Carry out inspection, install new tank seals, carry out smoke test and renew fuel tank (S/C) Drive in/drive out	19.91.84 10.10.10	4.0 0.1	XR8 57241 XR8 50591	1 1

Campaign Code	Option	Description	SRO	Time	Part No.	Qty
<b>NORMALLY ASPIRATED VEHICLES</b>						
R176	H	Carry out inspection – renew fuel tank (N/A)	19.91.85	3.3	XR8 50738	1
R176	J	Carry out inspection – renew fuel tank (N/A) Drive in/drive out	19.91.85 10.10.10	3.3 0.1	XR8 50738	1
R176	M	All Vehicles Carry out inspection, install new tank seals and carry out smoke test – no further action required	19.91.83	3.8	XR8 57241	1
R176	N	All Vehicles Carry out inspection, install new tank seals and carry out smoke test – no further action required Drive in/drive out	19.91.83 10.10.10	3.8 0.1	XR8 57241	1
R176	S	Carry out inspection, install new tank seals, carry out smoke test and renew fuel tank (N/A)	19.91.84	4.0	XR8 57241 XR8 50738	1 1
R176	T	Carry out inspection, install new tank seals, carry out smoke test and renew fuel tank (N/A) Drive in/drive out	19.91.84 10.10.10	4.0 0.1	XR8 57241 XR8 50738	1 1

 **NOTE:** The option that contains the drive in/drive out allowance may only be claimed when the vehicle has been brought back into the workshop for this action alone to be undertaken.

*Normal warranty policy and procedures apply.*

*Warranty claims should be submitted in accordance with the current Jaguar Warranty Policy and Procedures Manual and its amendments unless stated otherwise in this Recall Action.*

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# Attachment 1 – Owner Letter

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**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

## Attachment 2 – Technical Q&A

**Main Message:** An issue has been identified on certain 2005 Model Year S-TYPE vehicles in the VIN Range from N05049 to N52047 specified with the Low Emission Vehicle Stage II evaporative emissions system. 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. Liquid fuel, in the presence of an ignition source, could result in a fire.

**Q1 Why is Jaguar recalling certain S-TYPE Models?**

A Jaguar Cars is conducting a voluntary safety recall involving certain 2005 Model Year S-TYPE vehicles to fit replacement seals or, if necessary, fit a fuel tank manufactured to the correct specification. This work will be carried out free of charge.

**Q2 Can you tell me more about what is wrong with the vehicle?**

A Investigations have determined that 2005MY North American specification 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 with fuel.

**Q3 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.

**Q4 Does this recall affect vehicle safety?**

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

**Q5 How was the condition discovered?**

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

**Q6 Have there been any accidents or injuries?**

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

**Q7 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 re-occurrence of this manufacturing problem.

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## Attachment 2 – Technical Q&A

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- Q8**      **What will authorized dealers do to the vehicles?**  
A          Authorized dealers will inspect the fuel tank and replace the tank opening seals. If required they will replace the fuel tank with a known good fuel tank.
- Q9**      **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 (LEVII) 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.
- Q10**     **Are other Jaguar models affected by these actions?**  
A          No other Jaguar vehicles are affected by this action.
- Q11**     **Are parts available to rework vehicles?**  
A          Parts will be available at campaign launch.
- Q12**     **How much will the recall cost Jaguar?**  
A          Cost is never a factor in Jaguar's decisions to recall vehicles.
- Q13**     **How do I know if my S-TYPE vehicle is affected?**  
A          All owners of potentially affected vehicles will receive a letter inviting them to contact a Jaguar authorized dealer for the work to be carried out.
- Q14**     **How long does it take for the car to be inspected and 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 4 hours. Naturally, due to dealer schedules, vehicles may be required for longer.
- Q15**     **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 ¾ full.

**Note: Please ensure that any Press enquiries are referred to Jaguar Public Affairs office.**



MODELS  
S-TYPE

DATE  
30 Mar 2007

NUMBER  
7-49NAS  
Version 4

**SERVICE**

**ADMINISTRATION BULLETIN**

*Subject:* **Recall R176 – Fuel Tank Recall Parts Supply Process**

**VERSION 3 CHANGES ARE HIGHLIGHTED WITH GREY BACKGROUND FOR CANADIAN DEALERS. THIS BULLETIN NOW COVERS BOTH THE UNITED STATES AND CANADA.**

**Attention:** All Jaguar Parts and Service Managers

**NOTE:** A revised Technical Service Bulletin will provide an alternative repair procedure to support the R176 Fuel Tank Recall. Based on specific guidelines a seal kit will be used to upgrade the existing fuel tank and repair the vehicle. The majority of the vehicles affected by this recall are expected to be repaired using the existing tank and seal kit. This seal kit has part number XR8 57241.

- Dealers will be allowed to place their own orders for XR8 57241, but the part number will have an "SA" Special Action Block.
- The Unipart DOC team will review these orders daily and release quantities and orders in line with the directional allocations that were proposed for the dealers previously.
- Dealers should not place large orders at this time, but reasonable quantities based on actual service volumes they anticipate scheduling.
- Dealers may place a limited number on VOR, and the balance on their stock order. Please manually review your proposed reorder quantities to prevent over ordering on subsequent stock orders.

**NOTE:** At this time there will not be any further allocation waves for fuel tanks. A number of conditions related to fuel tank delivery have been removed from this bulletin. Changes to the remaining text are highlighted in the bullet points below.

In support of R176 S-TYPE Fuel Tank Recall, please review the following details regarding fuel tank supply procedures. These details will become effective 21 March 2007.

- Dealers **SHOULD** contact the Unipart DOC team if they have a specific requirement for a small quantity of additional tanks. **Dealers should provide a VIN for supercharged vehicle tanks. Inventory of these tanks is not sufficient to permit dealer stocking.**
- All fuel tank orders will continue to be shipped by surface, regardless of circumstances, to avoid possible transit damage.
- The two fuel tank part numbers XR8 50738 and XR8 50591 will have an SA (Special Action) Block against them and will continue to be reviewed daily by the Unipart DOC team to cancel and delete orders placed by dealers.
- Dealers **SHOULD** contact a DOC for replacement fuel tanks to account for Damage DY claims. If a dealer receives a visibly damaged part prior to installation, they should follow the normal DY claim procedure for a DMG (Damaged) type and then contact a Unipart DOC with the DY reference number for a replacement.

CIRCULATE TO	Service Mgr	Warranty	Technician	Body Shop	Parts Mgr	Parts Counter
	X	X			X	

Issued by: Jaguar Cars, 555 MacArthur Blvd, Mahwah, NJ 07430



- Dealers **SHOULD** continue to contact the Technical Helpline (THL) for "faulty" units. If a part is possibly "faulty" once installed, the technician should contact the Technical Helpline who will confirm if the replacement part is defective or not. If it is, the THL will provide a THL case number to the tech. The dealership parts department should then contact a Unipart DOC with the THL case number to order a replacement.
- **Please inspect carefully** the part numbers before submitting any DY claims for Faulty, Mispick, Overage, or Shortage. Fuel tanks may not be labeled with the Jaguar service part number, but with WERS numbers instead: XR8 50738 is 4R83 9K007AE and XR8 50591 is 4R83 9K007CE.
- Most special requests should be handled by the DOC team. However, if a dealership needs to discuss unusual circumstances, they should notify their AMM. The AMM will in turn communicate with Unipart/Jaguar.