

Service and Warranty Reference Library

Date: March 6, 2006

Subject: Product Safety Recall 15021 - Inspection/replacement of IDM

Models: 2000-2002 Saab 9-3 and 9-5 (4 cylinder models)
2001 Saab 9-5 (6 cylinder models)

To: All Saab Dealers

Attention: Service Manager and Parts Manager

As per the original announcement on Sept. 15, 2005 GM is announcing the launch of recall 15021 for the inspection and possible replacement of the ignition discharge module (IDM) on 2000-2002 9-3 and 9-5 4 cylinder models and 2001 V6 models.

Certain vehicles within these populations may experience overheating and burnout of the Isolated Gated Bipolar Transistor (IGBT) within the Ignition Discharge Module (IDM) due to increased susceptibility to electrical loads. Overheating of the IGBT occurs most often at engine start-up for both a 4 cylinder and a 6 cylinder engine, but it may also occur while the engine is running. When the IDM fails on a 4 cylinder while it is running, the engine may stall without warning, with no ability to be restarted.

When the IDM fails on a 6 cylinder engine while it is running, the driver will initially experience reduced power and rough operation because the engine will only be running on three cylinders. The check engine light will flash. If the driver continues, unburnt fuel in the exhaust can cause thermal damage to the catalytic converter. The engine may stall and not restart. Thermal damage to other underhood components and the underbody may also result from prolonged driving. A sustained vehicle fire is unlikely and GM knows of none.

To correct this condition, dealers will replace the IDM in these vehicles as required. This repair will be made at no charge to the customer.

The attached Modification Instruction (MI) details the inspection procedure to determine if the IDM requires replacement and replacement procedure if replacement is required.

NOTE: Affected vehicles that have had an IDM replaced since October 1, 2005 do not require this recall. Prior to inspection of IDM check "Warranty Inquiry by Chassis" screen on IRIS for the status of each vehicle.

Parts

An initial supply of parts will be automatically shipped to dealers beginning March 1, 2006.

Parts to be received:

55 562 588 IDM (4 cyl) Note:p/n 55 559 955 will also be allowed under the recall
55 561 133 IDM (6 cyl)
30 19 312 Krytox lubricant, 1 tube (sufficient for 30 vehicles) will be shipped to each dealer to be used only if IDM replacement is NOT required

CRC Electronic Cleaner, Kontakt 61 or equivalent electrical contact spray must be sourced locally. CRC Electronic Cleaner is available through NAPA and other jobbers. If an equivalent is not available locally contact CRC customer service @ (800)-272-8963 for assistance.

It is the dealer's responsibility to dispose of replaced IDM's in such a manner that makes their reuse impossible.

Owner Notification

Letters to owners of affected vehicles will be mailed beginning March 13, 2006 and be completed by March 31, 2006. Owners that have had IDM's replaced at their expense should be directed to contact Saab Customer Assistance Center. For your reference, a copy of the owner letter is attached below.

Warranty Information

Any associated towing charges must be submitted on separate claims. Reference the recall number in the correction field of the towing claim.

Inspection only

Failed Object	15021
Fault/Reason	8
Location	0
Warranty type	5
Repair/Action	8
Recall Action Code (RAC)	1
Labor Operation 4 cylinder	1502103
Labor Time	0.3
Labor Operation 6 cylinder	1502104
Labor Time	0.5
Material allowance for Krytox (place in sublet)	\$3.20

Inspection and replacement

Failed Object	15021
Fault/Reason	8
Location Code	0
Warranty Type	5
Repair/Action	1
Recall Action Code (RAC)	3
Labor Operation 4 cylinder (including inspection)	1502101
Labor Time (4 cyl)	0.3
Labor Operation 6 cylinder (including inspection)	1502102
Labor time (6 cyl)	0.5

(See attached file: PSR 15021.doc) (See attached file: mi248-2611en.pdf) (See attached file: 15021-05087 letter.pdf)

	<h1>Product Safety Recall</h1>	Campaign ID:	15021
		Date:	17 Feb 2006
		Issue No:	1

Service Manager

Inspection/replacement of IDM, Saab 9-3/9-5 MY 00-02

Saab Automobile AB has decided to initiate a Product Safety Recall regarding 117.585 MY 00-02 Saab 9-3/9-5 originally retailed in the markets below.

The purpose of this recall is to inspect and if necessary replace the ignition discharge module.

Vehicles concerned

MY 00-02 Saab 9-3/9-5 with 4-cylinder B205/B235 engines

MY 01 Saab 9-5 with 6-cylinder B308 engines

NSC	VOL 4-CYL
CANADA	4 577
IDS	2 909
JAPAN	4 489
TAIWAN	2 126
USA	95 094

NSC	VOL 6-CYL
CANADA	61
IDS	79
JAPAN	132
TAIWAN	1
USA	8 117

NB. Vehicles where the IDM has been replaced from October 2005 until now will be deducted from the VIN list and not included in the recall.

Measures to be taken

Vehicles in stock shall be updated prior to customer delivery. Owners of delivered vehicles shall be informed personally about this recall. An owner notification proposal is enclosed.

Description of the condition / remedy of the condition

The ignition discharge module (IDM) may break down due to an electrical overload. The fault often arises during a start attempt, resulting in the engine not starting. In rare cases the fault arises during driving.

The IDM should be checked and if necessary replaced according to MI 248-2611.

Important information regarding parts

Since a large portion of the affected vehicles only are affected by inspection and no replacement, a separate volume list is enclosed to assist part order planning (IDM Parts Volumes.pdf).



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Scrapping of parts

Directly after the IDM has been disassembled, it should be rendered unusable to prevent any type of re-use. Scrapping should be executed according to normal procedure.

Marking of the campaign plate / service booklet (on markets where applicable)

After the vehicle has been updated, the campaign plate / service booklet shall be marked in the box described below with the digit "7" if updated by importer or "8" if updated by dealer.

9-3 MY 00-02: Box "B4"

9-5 MY 00-01: Box "B1"

9-5 MY 02: Box "F1"

Warranty claim information

B205/B235, four cylinder engines (inspection only)		
	SAAB WARRANTY CODES	US WARRANTY CODES
Object code	15021	1502103
Failure code	08	08
Location code	00	0
Remedy/action code	08	08
Warranty code	52	05
RAC	-	1
Labor time	0.3	0.3

B205/B235, four cylinder engines (replacement, including inspection)		
	SAAB WARRANTY CODES	US WARRANTY CODES
Object code	15021	1502101
Failure code	08	08
Location code	00	0
Remedy/action code	01	01
Warranty code	52	05
RAC	-	3
Labor time	0.3	0.3

B308, six cylinder engines (inspection only)		
	SAAB WARRANTY CODES	US WARRANTY CODES
Object code	15021	1502104
Failure code	08	08
Location code	00	0
Remedy/action code	08	08
Warranty code	52	05
RAC	-	1
Labor time	0.5	0.5

B308, six cylinder engines (replacement, including inspection)		
	SAAB WARRANTY CODES	US WARRANTY CODES
Object code	15021	1502102
Failure code	08	08
Location code	00	0
Remedy/action code	01	01
Warranty code	52	05
RAC	-	3
Labor time	0.5	0.5

The labor time includes 0.2 h to cover administrative costs.

Start date: 1 March 2006

End date: No limit

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Retroactive reimbursements

Verifiable historic customer-paid repairs will be accepted as a sublet in the recall claim.

Acceptable repairs for retroactive reimbursement are:

- IDM replacements including labor and parts.
- Catalytic converter replacements including labor and parts, in case of clear evidence that the catalytic converter has failed as a result of a failed IDM within 3 months/5000 km.

Information to media / press

Saab Automobile AB does not intend to make this recall public through media. However, the issue raised some media attention in the autumn of 2005.

Yours sincerely,



*Robert Bäversjö, FPE Investigator
Saab Automobile AB*

Enclosures

Owner notification proposal

MI 248-2611

VIN list

IDM Parts Volumes list



Product Safety Recall

Campaign ID:	15021
Date:	17 Feb 2006
Issue No:	1

Owner notification proposal

Dear Saab Owner,

Saab Automobile AB has decided to initiate a Product Safety Recall concerning model year 2000-2002 Saab 9-3 and Saab 9-5.

It has been established that the ignition discharge module (IDM) may break down due to an electrical overload. The fault often arises during a start attempt, resulting in the engine not starting. In rare cases the fault arises during driving.

Our records indicate that you are the current owner of a vehicle that is affected by this recall.

At your earliest convenience, please make an appointment with your authorized Saab dealer to have the ignition discharge module checked and, if necessary, replaced.

The work will take less than an hour and is of course free of charge for you.

If you have sold your car, if it has been stolen or subjected to a total insurance loss, we would appreciate you notifying us about this.

Saab Automobile AB appreciates your cooperation and understanding regarding this recall and we will do our best, along with your dealer, to minimize the inconvenience. We have however taken this action in the interest of your continued safety and satisfaction with our products.

Yours faithfully,



MODIFICATION INSTRUCTION

MI No. 248-2611	Date February 2006	9-3 (9400) 9-5
PI No.	Distr. according to separate list	

Check/replacement of ignition discharge module

Product Safety Recall 150 21

Cars in stock must be rectified before delivery.
A personal communication must be sent to the owners of cars already delivered requesting them to get in touch with the nearest Saab garage as soon as possible to have the fault rectified.

Important

The method description in this document differs from the corresponding one in WIS.

Cars affected

Saab 9-5 M00-02 with engine alternative B205/B235

Saab 9-5 M01 with engine alternative B308

Saab 9-3 (9400) M00-02 with engine alternative B205/B235

Background

The ignition discharge module may break down due to an electrical overload. The fault often occurs during a start attempt, resulting in the engine not starting. In rare cases, the fault arises during driving.

Parts required

If the ignition discharge module is to be replaced:

55 562 588 (CA: 55 559 955) Ignition discharge module for B205/235

55 561 133 Ignition discharge module for B308.
1 or 2 per car

Contact Protect CRC (www.crcindustries.com) or Contact 61 or similar

If the ignition discharge module is not to be replaced:

16-30 19 312 Krytox (sufficient for approx. 30 cars)

Contact Protect CRC (www.crcindustries.com) or Contact 61 or similar

For fitting the modification identity plate (not US/CA):

12 785 148 Modification identity plate

93 160 907 Cleaning agent Motip Dupli, aerosol 400 ml (sufficient for 50-100 cars)

Procedure

Checking the modification identity plate (not US/CA)

Before undertaking any measures, check box B4 (9-3 M00-M02) , B1 (9-5 M00-M01) or F1 (9-5 M02) of the modification identity plate.

- 1 Remove the ignition discharge module as described in WIS - Engine - Trionic T7 - Adjust/replace - Ignition discharge module. Do not carry out "Extended ignition discharge module diagnose"
- 2 Check the serial number of the ignition discharge module. If the ignition discharge module is from the serial number interval below, it must be replaced. Other ignition discharge modules are not to be replaced.

B205/235: Serial number interval D000000 - D336210 or B083821 - B096117.

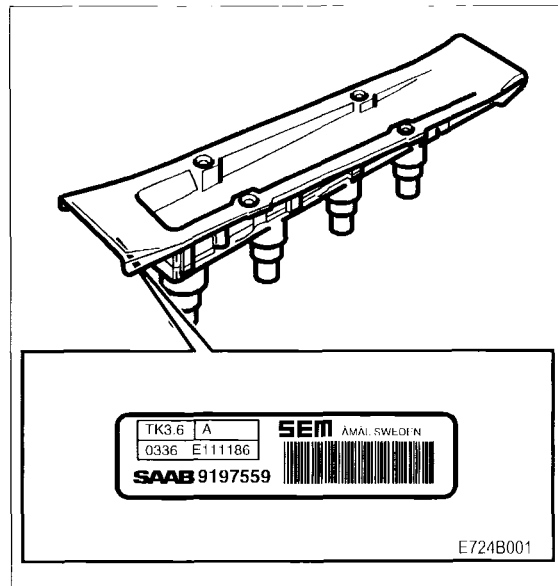
B308: Serial number interval C048743 - C072404.

- 3 Fit the ignition discharge module as described in WIS.

If the old ignition discharge module is to be refitted, lubricate it with Krytox.

New ignition discharge modules come pre-lubricated with Krytox and do not require additional lubrication.

- 4 Dispose of replaced ignition discharge modules in accordance with the laws of the relevant market. The modules are to be disposed of in a manner that makes their reuse impossible.



Marking the modification identity plate (not US/CA)

Upon completion of the procedure, the modification identity plate is to be marked in box B4 (9-3 M00-M02), B1 (9-5 M00-M01) or F1 (9-5 M02). Mark the box with a "7" if the action was carried out by the importer or an "8" if it was carried out by the dealer.

Fitting the modification identity plate (not US/CA)

Note

A modification identity plate must only be fitted where local directives require the marking of the car.

Fit the modification identity plate as described in WIS.

9-5 M04 - General - General - Technical data - Plates and labels

Standard times/Warranty information

See separate information.

March 2006

Dear Saab Owner,

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Saab Automobile AB has decided that a defect, which relates to motor vehicle safety, exists in certain 2000-02 Saab 9-3/9-5 model vehicles with 4-cylinder engines and 2001 Saab 9-5 model vehicles with 6-cylinder engines. The ignition discharge module (IDM) may break down due to an electrical overload. This condition may occur during a start attempt, resulting in the engine not starting. In rare cases this condition may occur during driving.

Our records indicate that you are the current owner of a vehicle that is affected by this recall.

At your earliest convenience, please make an appointment with your authorized Saab dealer to have the ignition discharge module checked and, if necessary, replaced.

The work will take less than an hour and is, of course, free of charge for you.

If, after contacting your Saab dealer, you are still not satisfied that we have done our best to remedy this condition without charge and within a reasonable time, you may wish to write the Administrator, National Highway Traffic Safety Administration, 400 Seventh Street, SW, Washington, DC 20590 or call 1.888.327.4236.

If you have sold your car, if it has been stolen or subjected to a total insurance loss, we would appreciate you notifying us about this by completing the detachable card and mailing it back in the return envelope.

If you have experienced this condition and have paid for related repairs, please complete the enclosed reimbursement form and submit all receipts to Saab Customer Assistance Center, 4405-A International Blvd., Norcross, GA 30093, Attention: IDM Recall.

Saab Automobile AB appreciates your cooperation and understanding regarding this recall and we will do our best, along with your dealer, to minimize the inconvenience. We have, however, taken this action in the interest of your continued safety and satisfaction with our products.

Federal regulation requires that any vehicle lessor receiving this recall notice must forward a copy of this notice to the lessee within ten days.

Yours faithfully,

Saab Automobile USA

Enclosure
15021/05087

Customer Reimbursement Procedure

If you have paid to have this recall condition corrected prior to this notification, you may be eligible to receive reimbursement.

Requests for reimbursement may include parts, labor, fees, and taxes. Reimbursement may be limited to the amount the repair would have cost if completed by an authorized dealer.

Your claim will be acted upon within 60 days of receipt.

If your claim is:

- Approved, you will receive a check,
- Denied, you will receive a letter with the reason(s) for the denial, or
- Incomplete, you will receive a letter identifying the documentation that is needed to complete the claim and offered the opportunity to resubmit the claim when the missing documentation is available.

Please follow the instructions on the Claim Form provided on the reverse side to file a claim for reimbursement. If you have any questions or need assistance, please contact the Saab Customer Assistance Center at 1.800.955.9007.

Customer Reimbursement Claim Form

This section to be completed by Claimant

Date Claim Submitted: _____

17-Character Vehicle Identification Number (VIN): _____

Mileage at Time of Repair: _____ Date of Repair: _____

Claimant Name (please print): _____

Street Address or PO Box Number: _____

City: _____ State: _____ Zip Code: _____

Daytime Telephone Number (include Area Code): _____

Evening Telephone Number (include Area Code): _____

Amount of Reimbursement Requested: \$ _____

THE FOLLOWING DOCUMENTATION MUST ACCOMPANY THIS CLAIM FORM.

Original or clear copy of all receipts, invoices and/or repair orders that show:

- The name and address of the person who paid for the repair.
- The Vehicle Identification Number (VIN) of the vehicle that was repaired.
- What problem occurred, what repair was done, when it was done, and who did it.
- The total cost of the repair expense that is being claimed.
- Payment for the repair in question and the date of payment.
(copy of front and back of cancelled check, or copy of credit card receipt)

My signature to this document attests that all attached documents are genuine and I request reimbursement for the expense I incurred for the repair covered by this recall.

Claimant's Signature: _____

Please mail this claim form and the required documents to:

**Saab Customer Assistance Center
4405-A International Blvd.
Norcross, GA 30093
Attention: IDM Recall**

Reimbursement questions should be directed to the following number:
1.800.955.9007