

## Interior lighting inoperative, fault code 9042 or 90B5 in signal acquisition and actuation module (SAM) control unit

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Topic number	LI54.21-N-066845
Version	1
Function group	54.21 Control units / basic modules
Date	07-28-2017
Validity	Model 906 as of 01.06.2006 up to 30.04.2011
Reason for change	
Reason for block	

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### Complaint:

Interior lighting inoperative when a door is opened, fault code 9042 or 90B5 present in SAM control unit.

### Cause:

Fault code 90B5 (control unit is defective because the short circuit counter of the interior lighting has exceeded the maximum permissible number of short circuits) or fault code 9042 (front interior lights, short circuit to positive) is present in the SAM control unit with software release 906 902 75 00 and object number:

- A 906 900 45 00 (SAM Min),
- A 906 900 46 00 (SAM Low),
- A 906 900 47 00 (SAM Medium),
- A 906 900 48 00 (SAM High).

### Remedy:

1. Program SAM control unit if the following conditions are met:

- Software release 906 902 75 00 in SAM control unit,
- fault code 9042 or 90B5 set in SAM control unit.

Note: If the action in step 1 is not successful, continue with operation step 2.

2. Replace SAM control unit. The new SAM control unit matches the current hardware and software version.

Important: After installation, use the vehicle diagnosis system to perform software calibration number (SCN) coding via the path "SAM->Control unit adaptations->SCN coding"!

Do not launch a software update via the menu item "Control unit programming" or "Commissioning" in the vehicle diagnosis system!

Note: The correct part number of the SAM control unit must be determined in the Electronic Parts Catalog (EPC) via the affected chassis number.

### Symptoms

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# XENTRY TIPS

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Overall vehicle / Networking / Diagnosis/software / Current problems

Overall vehicle / Lighting / Interior illumination / Interior lamp / Does not go on

## Control unit/fault code

Control unit	Fault code	Fault text
SAMSignal acquisition and ac-tuation module (SAM906)	9042	Front interior light-Short circuit to positive
SAMSignal acquisition and ac-tuation module (SAM906)	90B5	N10 (SAM control unit)-The control unit is faulty.

## Operation numbers/damage codes

Op. no.	Operation text	Time	Damage code	Note
			54584 90	Driver-side SAM control unit - Software release

## Validity

Vehicle	Engine	Transmission
Sprinter III	*	*