

## Battery drain bus keepawake detected - mbrace control unit causes bus keepawake

Topic number	LI82.95-P-056655
Version	1
Design group	82.95 Emergency call systems
Date	07-12-2013
Validity	All vehicles with option code 348 except model 222
Reason for change	
Reason for block	

**Complaint:**

Customer experiences low battery conditions, resulting in jump starts, and eventually requiring battery replacement.

**Cause:**

PASS (mbrace) is programmed to update its Preferred Roaming List (PRL) every 90 days. If the unit is deactivated, the update is not possible.

If a Diagnostic Service (ex: Quicktest) is performed on a vehicle with a deactivated PASS unit, the PASS unit will start attempting to update, even though no network is detected. PASS will keep the CAN Bus awake, and in time will drain the battery.

Preconditions:

1. Must be equipped with PASS
2. IMX software level in mbrace will be 2319028401 (see attachment)
3. Vehicle must be at least 90 days old
4. Mbrace must be deactivated in any of the following scenarios:
  - Customer did not purchase mbrace at point of sale
  - Cancel of mbrace subscription at any time
  - Free trial expires
5. A Diagnostic Service (ex: Quicktest) is performed on a vehicle with a PASS unit with the above preconditions met

Attachments	
File	Designation
IMX Location.jpg	Location of the IMX part number in the quick test

**Remedy:**

Update the mbrace control unit software. The IMX software in the mbrace control unit (see attachment) should change to either

2319023902

or

2319027002

Please test the vehicle to ensure the current draw has gone away. If the current draw continues, please create a PTSS case and include a quick test and mbrace control unit log.

Symptoms

- Communication/information / Communication / Telematics service / TELEAID emergency call system / TELEAID function / Backup battery discharges
- Overall vehicle / Power supply / Battery/On-board electrical system / Battery/on-board electrical system indicator lamp / Battery charge indicator/consumer shutoff / Illuminates red
- Overall vehicle / Power supply / Battery/On-board electrical system / Battery/on-board electrical system indicator lamp / Battery charge indicator/consumer shutoff / Illuminates white
- Overall vehicle / Power supply / Battery/On-board electrical system / Battery function / Battery discharges
- Overall vehicle / Power supply / Battery/On-board electrical system / Battery/on-board electrical system display message / Low voltage Switch off consumers
- Overall vehicle / Power supply / Battery/On-board electrical system / Battery/on-board electrical system display message / Low voltage Charge battery
- Overall vehicle / Power supply / Battery/On-board electrical system / Battery/on-board electrical system display message / Charging

Validity

Vehicle	Engine	Transmission
C (204)	*	*
CLS (218)	*	*
E (207)	*	*
E (212)	*	*
G (463)	*	*
GL (166)	*	*
GLK (204)	*	*
M (166)	*	*
SL (231)	*	*
SLK (172)	*	*

Attachments

IMX Location.jpg:

mbrace - mbrace (N123/4)			
MB object number for hardware	231 901 22 01	Diagnosis identifier	000102
Hardware version	11/41 00	Boot software version	11/35 00
Control unit variant	PASS_CY12_SOP_BR222	Manufacturer-specific serial number	00DEAAD23625
Supplier	Continental	Preferred Roaming List (PRL) Version	59314.00
Part number of software 'S12'	1724420359	Number	
Part number of software 'NAD'	1724420259	Part number of software 'IMX'	2319028401
Event	Text	Status	
B15CE00	Registration with the telematics service (TOC) has failed.	A+S	
	<b>Name</b>	<b>First occurrence</b>	<b>Last occurrence</b>
	Voltage	12.50V	12.50V
	Frequency counter	---	1.00
	Main odometer reading	---	4125.91mi
	Number of ignition cycles since the last occurrence of the fault	---	0.00
	Fault freeze frame data for development	---	29 00 00 00 00 00 00
			00 00 00 00 00
	Temperature	86.00°F	86.00°F

A+S=CURRENT and STORED