

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

Topic number	LI82.95-P-056655
Version	7
Design group	82.95 Emergency call systems
Date	11-11-2014
Validity	All vehicles with option code 348 except model 222 Model 463 with code EM5
Reason for change	Validity adapted
Reason for block	

**Complaint:**

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

**Cause:**

mbrace2)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 mbrace2 (option code 348)
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 the above preconditions met

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

**Remedy:**

Update the mbrace control unit software by going through Adaptations>Control unit programming. The IMX software in the mbrace control unit (see attachment) should change to either

2319023902

or

2319027002

If Xentry does not specify newer software, please create an SDS User Help Desk case via PTSS, and include the following:

- Event log (initial startup)
- mbrace control unit log
- Initial quick test

# XENTRY

Once completed, the event code "B15CE00 Registration with TOC has failed" may be visible. Please disregard this event code.

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

Work units				
Op. no.	Operation text	Time	Damage code	Note
			82876 54	

Validity		
Vehicle	Engine	Transmission
166.823	*	*
166.824	*	*
166.856	*	*
166.872	*	*
166.873	*	*
166.874	*	*
207.302	*	*
207.303	*	*
207.322	*	*
207.323	*	*
207.326	*	*
207.334	*	*
207.336	*	*
207.347	*	*
207.348	*	*
207.355	*	*
207.356	*	*
207.357	*	*

# XENTRY

207.359	*	*
207.362	*	*
207.365	*	*
207.372	*	*
207.373	*	*
207.388	*	*
207.402	*	*
207.403	*	*
207.422	*	*
207.423	*	*
207.426	*	*
207.434	*	*
207.436	*	*
207.447	*	*
207.448	*	*
207.455	*	*
207.456	*	*
207.457	*	*
207.459	*	*
207.462	*	*
207.465	*	*
207.472	*	*
207.473	*	*
212.001	*	*
212.002	*	*
212.003	*	*
212.004	*	*
212.005	*	*
212.020	*	*
212.021	*	*
212.023	*	*
212.024	*	*
212.025	*	*
212.026	*	*
212.027	*	*
212.034	*	*
212.035	*	*
212.036	*	*
212.040	*	*
212.041	*	*
212.047	*	*
212.048	*	*
212.052	*	*

# XENTRY

212.053	*	*
212.054	*	*
212.055	*	*
212.056	*	*
212.057	*	*
212.059	*	*
212.065	*	*
212.067	*	*
212.072	*	*
212.073	*	*
212.074	*	*
212.075	*	*
212.076	*	*
212.077	*	*
212.080	*	*
212.082	*	*
212.087	*	*
212.088	*	*
212.089	*	*
212.090	*	*
212.091	*	*
212.092	*	*
212.093	*	*
212.094	*	*
212.095	*	*
212.097	*	*
212.098	*	*
212.147	*	*
212.148	*	*
212.154	*	*
212.165	*	*
212.195	*	*
212.202	*	*
212.203	*	*
212.205	*	*
212.220	*	*
212.221	*	*
212.223	*	*
212.224	*	*
212.225	*	*
212.226	*	*
212.227	*	*
212.234	*	*

# XENTRY

212.236	*	*
212.247	*	*
212.248	*	*
212.254	*	*
212.255	*	*
212.256	*	*
212.257	*	*
212.259	*	*
212.265	*	*
212.267	*	*
212.272	*	*
212.273	*	*
212.274	*	*
212.275	*	*
212.276	*	*
212.277	*	*
212.280	*	*
212.282	*	*
212.287	*	*
212.288	*	*
212.289	*	*
212.291	*	*
212.292	*	*
212.293	*	*
212.294	*	*
212.298	*	*
218.303	*	*
218.323	*	*
218.326	*	*
218.355	*	*
218.359	*	*
218.373	*	*
218.374	*	*
218.375	*	*
218.376	*	*
218.391	*	*
218.392	*	*
218.393	*	*
218.394	*	*
218.903	*	*
218.923	*	*
218.959	*	*
218.973	*	*

# XENTRY

218.974	*	*
218.975	*	*
218.976	*	*
218.991	*	*
218.992	*	*
218.993	*	*
231.457	*	*
231.473	*	*
231.474	*	*
231.479	*	*
C (204)	*	*
G (463)	*	*
GLK (204)	*	*
M (166)	*	*
SLK (172)	*	*