

Date 30.05.97	Ref. No. <b>IP00997</b>	Model <b>CM-DX1000</b>	TD
Subject <b>Standby Time Abnormally Short</b>			IRIS 1117

## SYMPTOM

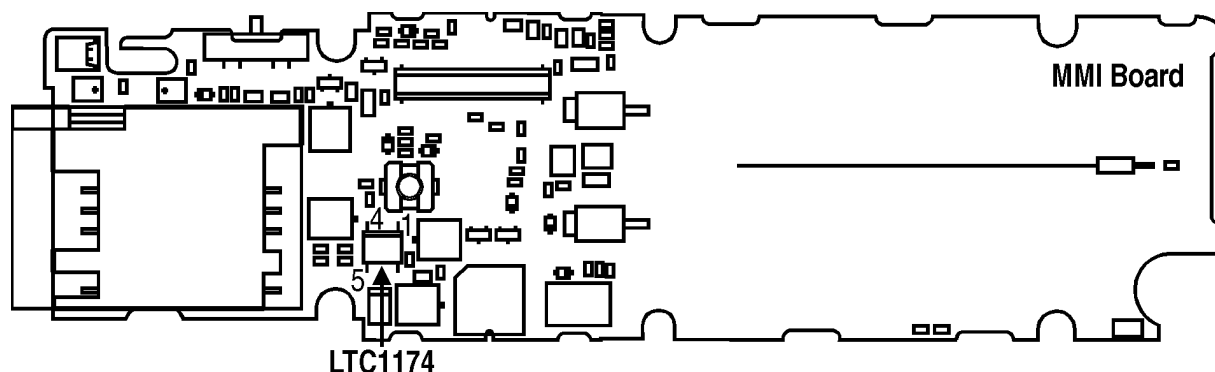
The standby time is abnormally short so that the impression may arise that the battery is defective, or the battery is never totally charged.

## CAUSE

Defective IC LTC1147 on the MMI Board.

## SOLUTION

Replace IC **LTC1147** (8-759-336-22). The part is accessible on the MMI Board after removing the Lower Case Shell and the RF Unit.



## CHECKING METHOD 1

- Either make a dummy battery or connect the battery terminal of the CM-DX1000 to the power supply.
- Supply 8V.
- Remove the SIM card and power on.
- Check the current using a milliamperemeter. The current should toggle with a sequence of about 1 ~ 2 seconds between detection mode and idle mode.
- During the detection mode period the current should be 40 ~ 220 mA.
- During the idle mode period the current should be 9 ~ 16 mA. **A higher value indicates that the LTC1147 IC is defective.**

## CHECKING METHOD 2

Using a voltmeter, measure the voltage between GND and pin 4 or 5 of IC LTC1174 while the unit is powered on. The voltage should range between 1.24 ~ 1.28V. **A voltage of >1.3V indicates that the LTC1147 IC is defective.**

