

Date	Ref. No.	Model	
22.01.09	09HV002	RDR-GX120, RDR-GX220, RDR-GX330, RDR-GXD360, RDR-HX520, RDR-HX525, RDR-HX720, RDR-HX722, RDR-HX725, RDR-HX727, RDR-HX730, RDR-HX920, RDR-HX925, RDR-HXD560, RDR-HXD760	HV
Subject			IRIS
Set Freezes after "WELCOME" Message on FL Display			1110

SYMPTOM

The set may freeze after "WELCOME" appears on the FL display, and may refuse to power on.

NOTE

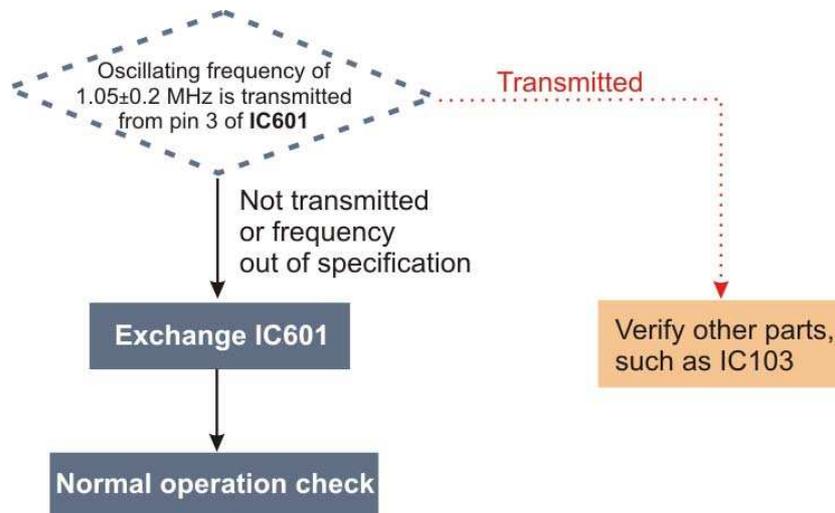
This symptom is very similar to the SATA cable issue described in Technical Bulletin **06HV027**, but must not be confused with it. Therefore, make sure to check the procedure below BEFORE applying TB 06HV027.

CAUSE

Voltage output of the DC-DC converter IC is not correctly stabilized.

SOLUTION

- The output of the DC-DC converter is a square pulse. Please measure at pin 3 of the IC, using an oscilloscope. Check that the signal is within the [WAVEFORM] specifications. Proceed according to the flowchart below.



- Refer to the table below when exchanging IC601.

Board	Ref.	Description	Part number
RD-060	IC601	IC MP2105DJ-LF-Z	6-708-889-01

- After exchanging IC601, confirm the oscillation frequency to the below values.

Oscillating frequency	$1.05 \pm 0.2 \text{ MHz}$: 0.85~1.25 MHz
Interpulse time	$952 \pm \begin{matrix} 224 \\ 152 \end{matrix} \text{ ns}$



IC601 measurement position

WAVEFORM

