# RIFF JTAG Error codes and troubleshooting
# WARNING: Programming Error (0x25)

## 2.7. Error code 0x25

Returned by the DCC Loader when it fails to program part of flash memory. This is not an abnormal situation for NAND memories – bad blocks and pages are sometimes appear due to specific NAND memory's technology. User shall select how to handle block program error in the JTAG Manager – for this user must be familiar with bad blocks handling techniques in general.

**Solution for NAND based devices:**

Reffer to [Error Code 0x24](#).

**Solution for eMMC based devices: (Samsung i9100, Samsung N7000 and similar)**

**Replace eMMC memory chip.**

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Author: Legija
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