

# I ADJUSTMENT/SETTING

## 5. SERVICE MODE

### 5.3 Machine Adjustment

#### 5.3.26 Printer Gamma Sensor Adj. (RU) (Quality Adjustment - Printer Gamma Adjustment)

##### (1) Function

The printer gamma correction that is performed automatically on regular basis uses IDC sensor to read the pattern on the transfer belt. Therefore the correction may be inaccurate depending on the characteristic changes of IDC sensor. This adjustment corrects the IDC sensor using the color value measured by the output paper color density sensor of RU-508 or RU-509 to perform precise printer gamma correction.

##### (2) Usage

When a poor color reproduction results even after the "Gamma Automatic Adjustment" of the "Process Adjustment", conduct this adjustment to correct gradation.

##### Note

- **Be sure the Gamma Automatic Adjustment has been adjusted in advance. (Refer to )**
- **Do not use colored paper or embossed paper for this adjustment. When using colored paper or embossed paper, this adjustment is not performed properly.**
- **To reset the data to factory default, press [Reset Adj. Data]. Press [Yes] to reset the printer gamma sensor adjustment to the factory default data, and [No] to keep the current data.**
- **This adjustment is available when RU-508 or RU-509 is connected.**

##### (3) Procedure

1. "Service Mode Menu screen"  
Press [01 Machine Adjustment].
2. "Machine Adjustment Menu screen"  
Press [03 Quality Adjustment].
3. "Quality Adjustment Menu screen"  
Press [01 Printer Gamma Adjustment]
4. "Printer Gamma Adjustment screen"  
Press [06 Printer Gamma Sensor Adj (RU)].
5. "Printer Gamma Sensor Adj. screen"  
Select the screen to be adjusted.

##### Note

- **The adjustable screens are the same as the ones in Printer Gamma Offset Adj.**

6. Press [Print Mode].
7. Select the paper tray. Press the Start key to output the test pattern.
8. If the test pattern is measured and it is normal, the gamma sensor adjustment will be carried out, printer gamma correction is executed and "Completed" message will be displayed.
9. When an abnormality occurs, an error code is displayed for every cause. Correct the error referring to the following and repeat steps 6 to 8.

Error code	Error	Countermeasures
Error 4	Input sensor value abnormality	Check the size of the test pattern, check the output paper density sensor
Error 31	Acquired sensor value abnormality (gradation reverse)	Readjust
Error 51	Regression calculation error	Readjust