4-2 SERVICE MODE

[◄], [▼], [►] + POWER ON

▼

[MENU] key

▼

```
┌─────────────────────┐     ┌─────────────────────┐     ┌─────────────────────┐
│ SERVICE MENU    ◄▼  ►│ ──► │ HEAD RANK       ◄▼  ►│ ──► │ HEAD RANK 1     ◄▼  │
│ HEAD RANK        ►  │ ◄── │ HEAD 1           ►  │ ◄── │ 1234567 (1/5)   ↵  │
└─────────────────────┘     └─────────────────────┘     └─────────────────────┘

                            ┌─────────────────────┐     ┌─────────────────────┐
                            │ HEAD RANK       ◄▼  ►│ ──► │ HEAD RANK 2     ◄▼  │
                            │ HEAD 2           ↵  │ ◄── │ 1234567 (5/5)   ↵  │
                            └─────────────────────┘     └─────────────────────┘
```

This menu is used for entering the HEAD RANK for each HEAD with 35 digit number and alphabet.
The digits can be changed with [◄] and [►] keys and parameters can be changed with [▲] and [▼] keys.
Press the [ENTER] key to save the settings. Warning sound comes out when the CHECK SUM is not correct.

```
┌─────────────────────┐     ┌─────────────────────┐
│ SERVICE MENU    ◄▼  ►│ ──► │ SERIAL NO.      ◄▼  │
│ SERIAL NO.       ►  │ ◄── │ ZR50000          ↵  │
└─────────────────────┘     └─────────────────────┘
```

This menu is used for entering the Serial No. of the machine.
The digits can be changed with [◄] and [►] keys and parameters can be changed with [▲] and [▼] keys.

```
┌─────────────────────┐     ┌─────────────────────┐     ┌─────────────────────┐
│ SERVICE MENU    ◄▼  ►│ ──► │ CAP&WIPER CHECK ◄   │ ──► │ NOW PROCESSING..    │
│ CAP&WIPER CHECK ►   │ ◄── │                  ↵  │     │                     │
└─────────────────────┘     └─────────────────────┘     └─────────────────────┘
                                                          At the time of checking

                                                        ┌─────────────────────┐
                                                        │ CAP&WIPER CHECK ◄   │
                                                        │        COMPLETED    │
                                                        └─────────────────────┘
                                                          At the end of checking
```

This menu is used for checking the CAP & Wiper movement.
1. Move the Carriage to the position where it is above the Platen by hand.
2. Press the [ENTER] key to check the Cap, Wiper, Cap Motor, Cap Sensor, Wiper Motor and Wiper Sensor.
3. Checking finishes when the COMPLETED message appears.

```
┌─────────────────────┐     ┌─────────────────────┐     ┌─────────────────────┐
│ SERVICE MENU    ◄▼  ►│ ──► │ FRSHOCPULWcw   ◄►  ►│ ──► │ 1234            ◄   │
│ SENSOR CHECK    ►   │ ◄── │ ***   H  **     ◄  │ ◄── │ * EC                │
└─────────────────────┘     └─────────────────────┘     └─────────────────────┘
```

This menu displays the status of the sensors. When the sensor is ON, * will be displayed.
Alphabet in the menu stands for F: Front Paper Sensor, R: Rear Paper Sensor, S: Crop-mark sensor,
H: Head Lock Sensor, O: Limit Sensor, C: Front Cover Sensor, P: Maintenance Cover Sensor,
U: Head Up Down Sensor, L: Sheet Load Sensor, W: Pinch Roller Sensor, c: Capping Sensor, w: Wiper sensor,

        P: Display in the Maintenance Cover Sensor
        R : I/S Cover is ON.
        L : Maintenance Cover is ON.
        * : I/S Cover & Maintenance Cover are ON.
        Blank : I/S Cover & Maintenance Cover are OFF.

Alphabet of the 2nd page stands for Cartridge Sensor of each color and Ink Empty.
        Blank : No Cartridge, Ink remaining
        C : Cartridge installed, Ink remaining
        E : No Cartridge, Ink empty
        * : Cartridge installed, Ink empty

Head Up Down Sensor
        H : Head is in a high position.
        L : Head is in a low positon.
        X : Sensor is abnormal. Check whether it attaches and is correct.

```
┌─────────────────────┐     ┌─────────────────────┐     ┌─────────────────────┐
│ SERVICE MENU    ◄▼  ►│ ──► │ CARTRIDGE       ◄▼  │ ──► │ IC CHECK            │
│ CARTRIDGE        ↵  │ ◄── │ IC CHECK         ↵  │ ◄── │ SLOT 1      INSERT  │
└─────────────────────┘     └─────────────────────┘     └─────────────────────┘

                                                        ┌─────────────────────┐
                                                        │ IC CHECK            │ ← Error
                                                        │ SLOT 1       ERROR  │
                                                        └─────────────────────┘

                                                        ┌─────────────────────┐
                                                        │ IC CHECK            │ ← Normal
                                                        │ SLOT 1         OK   │
                                                        └─────────────────────┘
                                                          Set the cartridge to the slot
                                                          in order from SLOT1 to SLOT4.

                                                        ┌─────────────────────┐
                                                        │ IC CHECK            │
                                                        │      COMPLETED ↵    │
                                                        └─────────────────────┘
```