SERVICE BULLETIN

☐ PROBLEM	○ FUNCTION	○ SAFETY
	○ SERVICEABILITY	○ OTHERS
■ OTHERS	○ PERFORMANCE	● CORRECTION
	○ SAFETY REGULATION	○ OTHERS

MODEL NAME : Di620
MODEL CODE : 1155
NO. : 022
DATE : 990107
SUBJECT : CORRECTION OF SERVICE MANUAL

Please amend your Service Manual according to the instructions given below.

<GENERAL, MECHANICAL/ELECTRICAL>

Page: G-7

IMAGE TRANSFER SYSTEM : Visible Image Transfer by means of a Single-Wire DC Negative Corona with Corotron System

CORRECT: Positive

COPY MEDIUM

Paper Source		1st to 2nd Drawer	3rd Drawer	Multi Bypass Table
Medium	Plain paper (60 to 90 g/m^2)	❍	❍	❍
	Transparencies	–	–	❍
	Thick paper (90 to 157 g/m^2)	–	–	❍
	Recycled paper	❍	❍	❍
Dimensions	Maximum (Width × Length)	297 × 432 mm	A4C	297 × 432 mm
	Minimum (Width × Length)	140 × 182 mm	8-1/2" × 11"C	100 × 140 mm

CORRECT: A4C/8-1/2"×11"C

❍: Permissible –: Not permissible C: Crosswise

Page: G-8

POWER/CURRENT CONSUMPTION (Copier Only)

Voltage	Exposure Lamp (Rating)	Fusing Heater Lamp (Rating)	Max. Power Consumption
115 V 120 V 127 V	24 V 20 W	100V Upper: 700W Lower: 400W	1530 W
220 V 240 V			1830 W

ADDITION
120V
Upper: 850W
Lower: 420W

Page: M-2

23. 3rd Drawer
24. Lower Paper Exit Roller
25. Duplex Unit Entry Roller
26. Turnover Transport Roller #2

CORRECT
24. 2nd Drawer
25. 1st Drawer

Page: M-5

A. PC Drum Drive Motor (M2) : Drives the PC Drum and the Suction Belt.
1. Suction Belt Drive Gears
2. PC Drum Drive Docking Shaft and 2nd and 3rd Mirror Carriage.
B. Scanner Motor (M31) : Drives the scanner
3. Scanner Drive Pulleys
C. Developing Unit Drive Motor (M31) : Drives the Developing Unit.

DELETE

CORRECT: (M1)

ADDITION: and 2nd 3rd Mirror Carriage.

Page: M-6

C When Upper Fusing Roller Thermistor (TH1) reaches the preset temperature.

Note: The temperature setting can be changed by Service Choice function.
(180°C/190°C/200°C)

DELETE

OFF
→ Upper Fusing Roller Heater Lamp (H1)
→ Lower Fusing Roller Heater Lamp (H2): 140°C

Cycle ON/OFF to adjust temperature.

Page: M-33

-Inch Area-

Actual Size of Original		Main Scan Direction			
		288.3mm and above	288.2 to 226.0mm	225.9 to 149.8mm	149.7mm or less
Subscan Direction	391.1mm and above	11 x 17	11 x 17	11 x 17	11 x 17
	391.0 to 365.7mm	11 x 17	11 x 15	11 x 15	11 x 15
	365.6 to 307.1mm	11 x 17	11 x 15	8.4 x 14	8.4 x 14
	307.0 to 288.3mm	11 x 17	11 x 15	A4L	A4L
	288.2 to 226.0mm	11 x 17	11 x 15	Letter-L	Letter-L
	225.9 to 149.8mm	A4C	Letter-C	Letter-L	invoiceL
	149.7mm or less	A4C	Letter-C	invoiceL	invoiceL

L: Lengthwise C: Crosswise

CORRECT
8.5×14

Page: M-39

CORRECT: CCD

<Mirrors Carriage (Mirrors #2 and #3)>

- Mirror #2 and Mirror #3 are fixed to the carriage at a right angle to one another. Light reflected from Mirror #1 bounces off Mirrors #2 and #3, passes through the lens, and moves to Mirror #4.
- The carriage for Mirrors #2 and #3 is driven by the Scanner Motor by means of the Scanner Drive Cable and a pulley. The carriage moves at half the speed of the scanner, maintaining a constant optical path length between the Original Glass and the PC Drum.

CORRECT: Lens

Page: M-40

CORRECT: Servo

<Overview>

- The Scanner Motor is a DC server motor. The motor is controlled by PWM (pulse width modulation); that is, the speed controlled by varying the average width of the motor drive pulse.

Page: M-61

- When toner falls to the "near-empty" level, the magnet comes close to the Sub-hopper Toner Empty Switch on each downward rotation and then moves away on each upward rotation, causing the Sub-hopper Toner Empty Switch to go repeatedly ON and OFF. Continuation of this ON/OFF pulse for a period of 60 seconds causes the copier to recognizes a "toner near-empty" condition. The copier will then generate a "toner empty" condition less than T/C 3% ratio copies after the "near empty" condition is recognized.

ADDITION: when

DELETE

Page: M-71

DELETE

2) Inch Areas

- When the drawer is slid into the copier and, if 1st/2nd Drawer Paper Empty Sensor and 1st/2nd Drawer Paper Empty Key are blocked (L), any of the following operations will energize 1st/2nd Drawer Lift-Up Motor to turn forward, thus raising the paper stack.

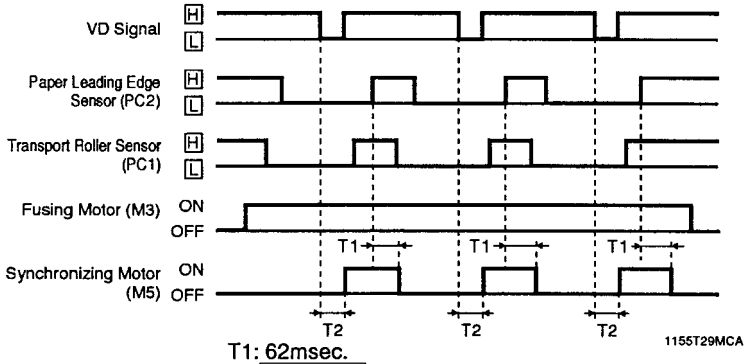
Page: M-96

<When No Paper is Placed>

- When there is no paper on the Multi Bypass Table, PC28 is unblocked (H) as follows.

CORRECT: PC6

Page: M-101



T1: 62msec.

164msec.

ADDITION
T2: 164msec.

Page: M-102

CORRECT: positive

Image Transfer

The Image Transfer Corona applies a DC negative corona emission to the underside of the paper thereby attracting the positively charged toner onto the surface of the paper to form a visible, developed image of the original.

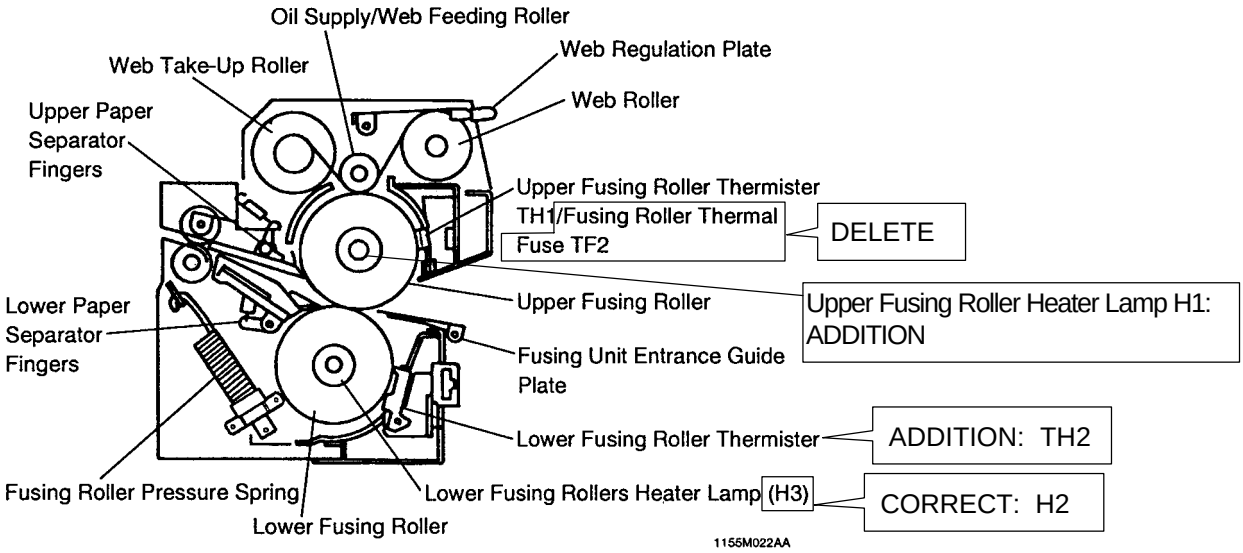
CORRECT: negatively

Page: M-112

CORRECT: ten

● It consists of nine incandescent tungsten-filament lamps connected in a series inside a glass tube.

Page: M-114



Page: M-127

CORRECT: Turnover

20-3. Roller Separation Control

● This control prevents overlapped turnover during multiple copies. The control operates by disengaging the Transport Roller Drive Roller from the Transport Roller in the event that the leading edge of a copied sheet arrives at the Transport Roller before the trailing edge of the previous sheet has cleared this roller. Separation is generated by activation of the Turnover Roller Separator Solenoid.

CORRECT: Interval

Page: M-128

21 LOWER PAPER EXIT SWITCHING SECTION

● This section determines the path of the sheet coming from the turnover section. Specifically, the section directs the sheet to either of the following.

CORRECT: exit/duplex switching