Model: I - Schmidt 3 (G4 Fax)	Date: 15-Aug-99	No.: RH545005

Subject: Differences between the Schmidt3 and the I-Schmidt3	Prepared by: Y. Okunishi
From: Technical Service Dept., GTS Division	

Classification:	☐ Troubleshooting	☒ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Other ( )		

I-Schmidt3 is available only in Europe (including France).

The following tables show the differences between the Schmidt3 and the I-Schmidt3.

Main differences

Items	Schmidt3	I-Schmidt3	Remarks
PC Fax Expander Option	Available	Not available	
G4 Unit	Option	Standard	
PSTN (G3) communication	Available	Not available	
On Hook Dial	Available	Not available	This key is used for programming the G4 sub-addresses.
NCU	Installed	Not installed	

The following items cannot be programmed in the I-Schmidt3:

- TT(PB)/DP line type selection:
- PSTN access code (PSTN access method from behind PBX)
- CSI (PSTN)
- NCU parameter settings

Note:
   The same FCU is used in the Schmidt3 and the I-Schmidt3. After replacing the FCU in the I-Schmidt3, do the RAM reset level 2 first thing before operating the machine (see System Bit Switch 00 bits 0 and 1) so the machine sets itself up as a I-Schmidt3.

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Differences in the spare parts

Parts	P/N	Q'ty in Schmidt3	Q'ty in I-Schmidt3	Parts Catalog		Remarks
				Page	Index	
PCB – SIG4	H5476170	0	1	3	30	Option for Schmidt3
ISDN Harness	H1435701	0	1			Option for Schmidt3
ISDN Cable	H3025700	0	1			Option for Schmidt3
G4 Cover	H5484200	0	1	3	31	Option for Schmidt3
G4 Bracket	H5484201	0	1	3	32	Option for Schmidt3
G4 Shield Plate	H5484202	0	1	3	33	Option for Schmidt3
OP Panel Ass'y	H5484602	0	1	5	1	
OP Panel Ass'y	H5484606	0	1	5	1	For Infotec
OP Panel Ass'y	H5474602	1	0	5	1	
OP Panel Ass'y	H5474606	1	0	5	1	For Infotec
Harness – NCU2	H5475125	1	0	21	8	
Harness – NCU3	H5455126	1	0	21	16	
PCB – NCU-EUR	H5476136	1	0	21	9	
PCB – NCU-FRA	H5476137	1	0	21	9	For France
Shielding Sheet	H5454111	1	0	21	10	
Cap – Tele Socket	H5044901	1	0	21	15	

RC	REBV	ASIA	
	*		

Model: Schmidt3	Date: 31-Oct-99	No.: RH547001

Subject: New Functions in the Schmidt3 G4 Unit	Prepared by: K. Misugi
From: Technical Service Dept., GTS Division	

Classification:	☒ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☒ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Other ( )		

This RTB informs the changes made to the G4 (SiG4) unit software and corrections to the Schmidt3 ISDN Unit service manual.

1. **CHANGES MADE TO THE DEFAULT SETTINGS**
   The following changes have been made from the first production of August.

Bit Switch 13: D channel layer 3 (Attachment IE in S: SETUP)		
	FUNCTION	**COMMENTS**
7	Condition for fallback from G4 to G3 **0:** Refer to the CPS code setting **1:** Fallback in response to any CPS code	**0:** Fallback occurs when a CPS code is the same as the CPS code settings specified by G4 internal switches 17, 18, 1A, 1B, and 1C. If you wish to enable fallback when any CPS code is detected, set this bit to "1." This switch is effective in coping with fallback problems where the CPS code does not match those specified in the ITU-T recommendation.

The new default setting is "1."

Communication Switch 07		
No	**FUNCTION**	**COMMENTS**
3	Fallback from G4 to G3 reflected in programmed Quick/Speed dials **0:** Fallback enabled (Default) **1:** Always start with G4	**0:** If a communication falls back from G4 to G3, the machine will always start transmission with G3 from the next communication. 1: The machine will always start to transmit with G4.

The new default setting is "1."

The default settings have been changed to cope with fallback problems where CPS codes do not match those specified in the ITU-T recommendations. If you are installing machines that were manufactured earlier than August, it is recommended to change the settings as explained above to avoid communication problems.

NOTE:
PCB part numbers: H5476170G (Europe/Asia models), H5476180F (USA model)
Please also refer to MB No. MH547001 for part number information.

Model: Schmidt3	Date: 31-Oct-99	No.: RH547001

2. NEW SWITCH ADDED TO THE G4 UNIT

The following changes have been made from the first production of August.

G4 Internal Bit Switch 13		
No	FUNCTION	COMMENTS
1	Information transfer capability shift down to retry transmission **0:** Shiftdown procedure disabled (Default) **1:** Shiftdown and retry the call	**1:** The machine changes the ISDN G3 information transfer capability informed in the [SETUP] signal to "Speech" from "3.1 kHz audio" or to "3.1 kHz audio" from "Speech" automatically and retries the transmission. The information transfer capability used in the first try is determined by the setting of G4 internal bit switch 14 bit 0. This switch is effective with some types of exchangers and T/As where they only accept calls with information transfer capability "Speech."

- Cross reference -

G4 Internal Bit Switch 14		
No	FUNCTION	COMMENTS
0	ISDN G3 information transfer capability **0:** 3.1 kHz audio **1:** Speech	In tx mode, this determines the information transfer capability informed in the [SETUP] message. In rx mode, this determines the information transfer capability that the machine can use to receive a call. Set this bit to 1 if the ISDN does not support 3.1 kHz audio.

NOTE:
PCB part numbers: H5476170G (Europe/Asia models), H5476180F (USA model)
Please also refer to MB No. MH547001 for part number information.

3. CORRECTION TO THE SCHMIDT 3 ISDN UNIT SERVICE MANUAL

Wrong Information (page 3-14)

Dedicated Transmssion Parameter Switch 10		
No	**FUNCTION**	**COMMENTS**
2	ISDN G3 information transfer capability for transmission **0:** 3.1 kHz audio **1:** Speech	This determines the information transfer capability informed in the [SETUP] message. Set this bit to 1 if the ISDN does not support 3.1 kHz audio.

Correct Information

Dedicated Transmssion Parameter Switch 10		
No	**FUNCTION**	**COMMENTS**

2
 	
3
	ISDN G3 information transfer capability for transmission
	Bit 3 2 Setting
	  0 0 Speech
	  0 1 3.1 kHz audio
	  1 0 Not used
	  1 1 Same as the G4 internal
	        switch 14 bit 0 setting.
		This determines the information transfer capability informed in the [SETUP] message. Set this bit to 1 if the ISDN does not support 3.1 kHz audio.