
RCSL No: 52-AA284

Edition: December 1974

Author: Knud E. Hansen

Title:

Description of a testprogram to LAM 108/116

Keywords:

RC 3500 interface, program Description

Abstract:

This description contains the program copy and operator guide for a testprogram to LAM 108/116.

(74 pages)

Copyright © 1981, A/S Regnecentralen af 1979
RC Computer A/S
Printed by A/S Regnecentralen af 1979, Copenhagen

Users of this manual are cautioned that the specifications contained herein are subject to change by RC at any time without prior notice. RC is not responsible for typographical or arithmetic errors which may appear in this manual and shall not be responsible for any damages caused by reliance on any of the materials presented.

CONTENTSPAGE

1. GENERAL DESCRIPTION.....	1
2. LOADING AND START OF PROGRAM.....	3
2.1 Autoload Tape.....	3
2.2 Binary Tape.....	4
3. ERROR ACCUMULATOR.....	5
4. STOP ON ERROR.....	7
4.1 Modem Status.....	7
4.2 Transmission Error.....	9
4.3 Data Error.....	13
5. PROGRAM COPY.....	15
INTERCONNECTIONS WIRE.....	Dwg. No. A23311

The testprogram described in this section will test all the hardware functions in LAM 108/116; to do this every channel is looped back to another channel by the cable CBL 446 in accordance to the table below:

Channel 0	↔	Channel 4	
Channel 1	↔	Channel 5	
Channel 2	↔	Channel 6	
Channel 3	↔	Channel 7	
Channel 8	↔	Channel 12	} Only for LAM 116
Channel 9	↔	Channel 13	
Channel 10	↔	Channel 14	
Channel 11	↔	Channel 15	

In the cables used to make these interconnection is CONNECT TO LINE from a channel looped back to give DATA SET READY on the same channel, REQUEST TO SEND from a channel is looped back to give READY FOR SENDING on the same channel og DATA CARRIER DETECTOR on the opposite channel, and TRANSMITTED DATA from a channel is connected to RECEIVED DATA in the opposite channel.

The testprogram tests the following functions for every channel:

Reset and Set of	DATA SET READY
Reset and Set of	READY FOR SENDING
Reset and Set of	DATA CARRIER DETECTOR
Set of	CONNECT TO LINE
Set of	REQUEST TO SEND
Reset and Set of	OVERRUN
Reset and Set of	FRAMING ERROR
Reset and Set of	PARITY ERROR
Reset and Set of	ERROR

Transmission with 110 bp, 300 bps, 600 bps and 1200 bps of:

32 different characters with 5 databits/char.

64 different characters with 6 databits/char.

128 different characters with 7 databits/char.

256 different characters with 8 databits/char.

The operator can select the program to stop on error or to continue and accumulate the errors for every channel.

The Testprogram is available on paper tape in 2 versions: A binary tape and autoload program tape. Loading of the 2 tapes is described in the next section.

Autoload Tape

2.1

1. Place the information about input medium on switches in accordance with the AUTOLOAD description (RCSL: 52-AA072).
2. Push AUTO.
3. Place the autoload Tape in the selected input device and start this device.
4. IF the program is read in correctly the program will loop in addr. 6200₈.
5. Stop RC 3500.
6. Place the following information in cell 40₈:

0	1	2		5	6		10	11		15
		x	x	x	x					

bit 15 - 11 : The RC 3500 Device number for the I/O channel the LAM 108/116 is connected to.

bit 10 - 6 : The interrupt level corresponding to the Device number in bit 15 - 11.

bit 1 : bit 1 = 1 for LAM 108
bit 1 = 0 for LAM 116.

bit 0 : bit 0 = 1 for Stop on Error else 0.

7. Place the following information in cell 44₈:

0										11					15

bit 15 - 11 : The interrupt level to which the Real Time Clock is connected.

bit 10 - 0 : not used.

8. The program counter for the current level: W0 (current):= 6204₈.

9. Push RUN. The program is now running.

1. The following program sequence is manually placed in the RC 3500 to read in the tape from RC 500:

```

E1: k + 0:      Lce wo i
      + 2:      E1
      + 4:      rsc w3 x 3 dev x
      + 6:      wcc w3 x 0 dev x
      + 10:     rbb w3 x 2 dev x
E2:  + 12:     l dr wo i
      + 14:     E2

```

dev x = RC 500 Device number.

2. w0 (RC 500 level): = k + 4
w0 (all other levels): = k + 0
w2 (RC 500 level) : = 000000
w3 (RC 500 level) : = k + 0

3. Push RUN.

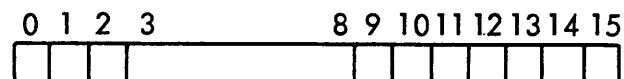
4. Place the program tape in RC 500 and start the reader.

5. When the program is read into RC 500, Push STOP.

- 6 - 7 - 8 - 9. Same as in section 1.1.1.

Cell 0:	ERROR ACCUMULATOR CHANNEL 0
Cell 2:	ERROR ACCUMULATOR CHANNEL 1
Cell 4:	ERROR ACCUMULATOR CHANNEL 2
Cell 6:	ERROR ACCUMULATOR CHANNEL 3
Cell 10:	ERROR ACCUMULATOR CHANNEL 4
Cell 12:	ERROR ACCUMULATOR CHANNEL 5
Cell 14:	ERROR ACCUMULATOR CHANNEL 6
Cell 16:	ERROR ACCUMULATOR CHANNEL 7
Cell 20:	ERROR ACCUMULATOR CHANNEL 8
Cell 22:	ERROR ACCUMULATOR CHANNEL 9
Cell 24:	ERROR ACCUMULATOR CHANNEL 10
Cell 26:	ERROR ACCUMULATOR CHANNEL 11
Cell 30:	ERROR ACCUMULATOR CHANNEL 12
Cell 32:	ERROR ACCUMULATOR CHANNEL 13
Cell 34:	ERROR ACCUMULATOR CHANNEL 14
Cell 36:	ERROR ACCUMULATOR CHANNEL 15

Every channel has its own ERROR ACCUMULATOR as listed in table above.
The ERROR ACCUMULATORS has the following contents:



bit 15:	ERROR in the DATA SET READY status bit.
bit 14:	ERROR in the READY FOR SENDING status bit.
bit 13:	ERROR in the DATA CARRIER DETECTOR status bit.
bit 12:	ERROR in the PARITY ERROR status bit.
bit 11:	ERROR in the framing error status bit.

bit 10: ERROR in the OVERRUN status bit.

bit 9: ERROR in ERROR status bit.

bit 8: Not used.

bit 7: ERROR in Data Transport.

If bit 7 = 1

bit 5 - 6 contains the number of data bits/
character and bit 3 - 4 the speed for the
situation giving error.

bit 5 - 6: Number of Databits/character. (see bit 7)

bit 5	bit 6	Databits/character
0	0	5
0	1	6
1	0	7
1	1	8

bit 3 - 4: bit 3 - 4: Transmission speed (see bit 7).

bit 3	bit 4	Speed
0	0	110 bps
0	1	300 bps
1	0	600 bps
1	1	1200 bps

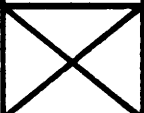
bit 2: No write Interrupt

bit 1: No Read Interrupt

bit 0: bit 0 = 1 if bit 2 - 15 $\neq$ 0.

If Stop on ERROR is selected by the operator the program will stop whenever an error is recognized. The program will stop in interrupt level 31. The different stop loops are further described in the following tables:

MODEM STATUS

STOP 1 celle 260 _g	STOP 2 celle 310 _g	STOP 3 celle 766 _g	STOP 4 celle 1020 _g	TYPE OF ERROR
				CAN'T RESET DATA SET READY
				CAN'T SET DATA SET READY (CONNECT TO LINE).
		(764 _g) = 416 _g		CAN'T RESET READY FOR SENDING
		(764 _g) = 474 _g		CAN'T SET READY FOR SENDING (REQUEST TO SEND)
			(1016 _g) = 442 _g	CAN'T RESET DATA CARRIER DETECTOR
			(1016 _g) = 520 _g	CAN'T SET DATA CARRIER DETECTOR

When stopped in STOP 1 or STOP 2 the current channel number is stored in celle 72_g.

When stopped in STOP 3 or STOP 4:

(314₈) = SOURCE CHANNEL NUMBER

(316₈) = DESTINATION CHANNEL NUMBER

After the testprogram has indicated to the operator the type of modem status error as listed in the scheme above, it is up to the operator to find the actually hardware error in the LAM 108/116 under test. By using the little program - sequence mentioned below and an oscilloscope (trigger on testp. EE, Pos 5), the operator can place a Control Word on the switches and then follow the Control through the LAM 108/116.

STOP 5 celle 27468 ERROR bit in READ DATA	STOP 6 celle 30228	STOP 7 celle 31048 CAN'T SET PARITY ERROR	STOP 8 celle 31368 CAN'T SET FRAMING	STOP 9 celle 31708 CAN'T SET OVERRUN	STOP 10 celle 34568 NO WRITE interrupt	STOP 11 celle 34768 NO READ interrupt	MODE
NOTE 1. (2744) ₈ = 1466 ₈	NOTE 1. (2772) ₈ = 1506 ₈						SOURCE = DESTINATION MODE: 8 Databits, ODD Parity EVEN Parity NO Parity 2 stop
(2744) ₈ = 1676 ₈		(3102) ₈ = 1716 ₈					SOURCE MODE: 8 Data bits, Even parity, 2 stop DESTINATION MODE: 8 Data bits, ODD parity, 2 stop
(2744) ₈ = 2000 ₈		(3102) ₈ = 2020 ₈					SOURCE MODE: 8 Data bits, ODD parity, 2 stop DESTINATION MODE: 8 Data bits, EVEN parity, 2 stop
(2744) ₈ = 2106 ₈			(3134) ₈ = 2126 ₈				SOURCE MODE: 8 Data bits, EVEN parity, 2 stop DESTINATION MODE: 8 Data bits, NO parity, 2 stop
(2744) ₈ = 2314 ₈				(3166) ₈ = 2334 ₈			SOURCE = DESTINATION MODE: 8 Data bits, ODD parity, 2 stop.

NOTE 1:

(1510)₈ = 1512₈ ODD Parity
 = 1552₈ EVEN PARITY
 = 1612₈ NO PARITY

```

E1: k + 0      : rsw w1
      + 2      : wcc w3 x 3 dev (LAM).
      + 4      : add w2 i + 0 (NOP instruction)
      + 6      : rsc w3 x 3 dev (LAM)
      + 10     : ldr w0 i
      + 12     : E1

```

When the testprogram is stopped in one of the above listed stop-loops, the operator find information about the current source channel, - Destination channel and - modes in the following modes:

```

celle 1040      : SOURCE CHANNEL
celle 1042      : DESTINATION CHANNEL
celle 1044      : SOURCE MODE
celle 1046      : DESTINATION MODE

```

To find the hardware error by means of an oscilloscope the operator may use the program sequence listed below.

This program sequence transmit continuously from the SOURCE CHANNEL to the DESTINATION CHANNEL.

	k + 0	ldr wr i 0
	k + 2	wcc w3 x 3 <u>dev LAM</u>
	k + 4	ldr w1 i
	k + 6	SOURCE MODE + (SOURCE ADDR < 1)
	k + 10	wcc w3 x 3 <u>dev LAM</u>
	k + 12	ldr w1 i
	k + 14	DESTINATION MODE + (DESTINATION ADDR < 1)
	k + 16	wcc w3 x 3 <u>dev LAM</u>
E1:	k + 20	ldr w1 i -1
	k + 22	wcc w3 x 3 <u>dev LAM</u>
	k + 24	lcc w0 i
	k + 26	k + 24
E2:	k + 30	rwc w3 x 3 <u>dev LAM</u>
	k + 32	and w1 i 378
	k + 34	bew w1 i
	k + 36	DESTINATION ADDR < 1 + 1
	k + 40	E3
	k + 42	bew w1 i
	k + 44	SOURCE ADDR < 1 + 0
	k + 46	E4
E5:	k + 50	ldr w2 i
	k + 52	k + 20
	k + 54	'st w2 x 0 E niv 0
	k + 56	lce w0 i
	k + 60	E2
E4:	k + 62	ldr w1 i
	k + 64	DATA CHAR. + (SOURCE ADDR < 1)
	k + 66	wcc w3 x 3 <u>dev LAM</u>
	k + 70	ldr w0 i
	k + 72	E5

E3:	k + 74	str w1
	k + 76	B1
	k + 100	ldr w0 i
	k + 102	E5
B1:	k + 104	Receive Buffer
E6:	k + 106	lce w0 i
	k + 110	E6

w0 (LAM) : = E2
w0 (level 0) : = k + 0
w0 (all other levels) : = E6

In this section of the testprogram all channels transmits simultaneously data to the opposite channel.

32 different characters with 5 databits/char.

64 different cahracters with 6 databits/char.

128 different characters with 7 databits/char.

256 differetn characters with 8 databits/char.

This transmission is repeated for the following transmission speeds: 110 - 300 - 600 - 1200 bps.

If Stop on Error is selected by the operator the program will loop in 5740g on level 31, whenever an error in the transmitted characters is found. The relevant error accumulator (section 1.2) is up-dated.

Cell (4000g + Channel no. < 1) contains the READ CHARACTER.

Cell (5000g + Channel no. < 1) contains the WANTED CHARACTER.

The data characters is placed from bit 0 to 7, with the least significant bit in bit 7.

If Stop on Error is not selected the program will not stop on level 31 when an error is found, but finish the transmission for all channels with the current mode (speed, number of databits/char.) and then loop on level 0.

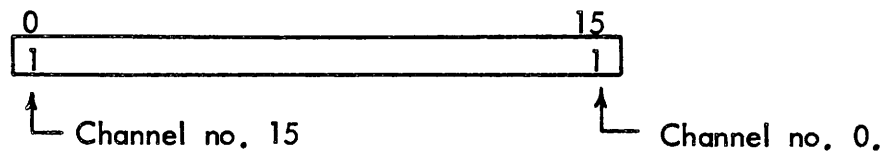
Cell (3600g) contains information about the Channels Ready to Write.

Cell (3606g) contains information about the Channels stopped on error.

Cell (3614g) contains information about the channels from which a character is ready.

Cell (3634g) contains the current made in accordance to the General Information for LAM 108/116.

In cell $3600_8 - 3606_8 - 3614_8$ the information is placed as follows:



Cell $(4000_8 + \text{Channel no} < 1)$ contains the READ CHARACTER.

Cell $(5000_8 + \text{Channel no} < 1)$ contains the WANTED CHARACTER.

To find an error of this type by an oscilloscope the program sequence mentioned in section 4.2 can be used.

AGF 1974

A/S REGNECENTRALEN

Designed by

240274 KUEH

Drawn by

Dwg. Office Check

Design Check

Replaces Dwg. No.

due to ECN

Replaced by Dwg. No.

HOP	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
	1 0 0	bit 12 (DATA SET READY) = 0	0 0 0 0 1 0
	2	ERROR 1	0 0 0 2 3 4
	4	ldr w1 i	1 7 5 1 0 0
	6	connect to line = 1	0 0 0 2 4 0
	10	add w1	1 7 5 0 1 0
	12	72	0 0 0 0 7 2
	14	wicc w3 x 3 dev x	1 4 7 6 4 0
	16	rse w3 x 3 dev x ldr woi 46	0 0 0 0 4 6
	20	lsz w1 i	1 7 5 2 6
	22	bit 12 (DATA SET READY) = 0	0 0 0 0 1 0
	24	ERROR 2	0 0 0 2 6 4
	26	ldr w1	1 7 5 0 0 0
	30	72	0 0 0 0 7 2
	32	add w1 i + 2	0 4 1 0 0 2
	34	str w1	1 7 5 0 0 3
	36	72	0 0 0 0 7 2
	40	ldr w2	1 7 6 0 0 0
	42	40	0 0 0 0 4 0
	44	lsz w2 i	1 7 6 2 6
	46	bit 1 (LAM 116) = 0	0 4 0 0 0 0
	50	E 1	0 0 0 1 6 2
	52	lsw w1 i 20 ₈	1 0 5 0 2 0
	54	E 3	0 0 0 1 7 2
	56	ldr woi	1 7 4 1 0 0
	60	E 2	0 0 0 0 6 4
E1:	62	lsw w1 i 40 ₈	1 0 5 0 4 0
	64	E 3	0 0 0 1 7 2
	66	ldr woi	1 7 4 1 0 0
	70	E 2	0 0 0 0 6 4
E3:	72	ldr w1 i 0	0 0 1 0 0 0
	74	str w1	1 7 5 0 0 3
	76	72	0 0 0 0 7 2
Unit		LAM 108 / 116 TEST PROGRAM	
Dwg. No.		RC3500 PROGRAM DESCRIPTION	
PR 2 OF 51			

A/S REGNENCENTRALEN

Designed by

240274 KUEH

Drawn by

Dwg. Office Check

Design Check

Replaces Dwg. No.

due to ECN

Replaced by Dwg. No.

HOP	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
	2 0 0	Ldr w0 i	1 7 4 1 0 0
	2	E4 Go to test of	0 0 0 3 2 0
	4	READY FOR SENDING AND	
	6	DATA CARRIER DETECTOR	
	10	Ldr w2 i	0 0 2 0 0 0
	12	add w2 i + 1	0 4 2 0 0 1
	14	Ldr w2 i	1 7 6 1 6 2
	16	-	0 0 1 4 0 0
	20		0 0 0 2 1 2
	22	Ldr w1	1 7 5 0 0 0
	24	314	0 0 0 3 1 4
	26	Ldr w0 i	1 7 4 1 0 0
	30	376	0 0 0 3 7 6
	32		
ERROR:	34	Ldr w3 i	1 7 7 1 0 0
1	36	1 0 0 0 0 1 Error in Data Set Ready	1 0 0 0 0 1
	40	Ldr w2	1 7 6 0 0 0
	42	72	0 0 0 0 7 2
	44	str w3 x 2	1 7 3 4 0 3
	46	Ldr w3	1 7 7 0 0 0
	50	40	0 0 0 0 4 0
	52	lsz w3 i	1 7 7 1 2 6
	54	bit 0 (STOP ON ERROR) = 0	1 0 0 0 0 0
	56	104 g	0 0 0 1 0 4
	60	Ldr w0 i	1 7 4 1 0 0
	62	260	0 0 0 2 6 0
ERROR:	64	Ldr w3 i	1 7 7 1 0 0
2	66	1 0 0 0 0 1 Error in Data Set Ready	1 0 0 0 0 1
	70	Ldr w2	1 7 6 0 0 0
	72	72	0 0 0 0 7 2
	74	str w3 x 2	1 7 3 4 0 3
	76	Ldr w3	1 7 7 0 0 0
Unit		LAM 108 / 116 TEST PROGRAM	
Dwg. No.		RC3500 PROGRAM DESCRIPTION	
1 P284		PR3 OF 51	

A/S REGNECENTRALEN

Designed by

240274 KUEH

Drawn by

Dwg. Office Check

Design Check

Replaces Dwg. No.

due to ECN

Replaced by Dwg. No.

HOA	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
	3 0 0	40	0 0 0 0 4 0
	2	bsz w3 i	1 7 7 1 2 6
	4	bit 0 (STOP ON ERROR) = 0	1 0 0 0 0 0
	6	126 ₈	0 0 0 1 2 6
	10	ldr w0 i	1 7 4 1 0 0
	12	310	0 0 0 3 1 0
	14	CHANNEL NO. SOURCE	0 0 0 0 0 0
	16	-11- -11- DESTINATION	0 0 0 0 1 0
E4 :	20	ldr w1 i	1 7 5 1 0 0
	22	001 000	0 0 1 0 0 0
	24	str w1	1 7 5 0 0 3
	26	1352	0 0 0 3 5 2
	30	add w1 i 10 ₈	0 4 1 0 1 0
	32	str w1	1 7 5 0 0 3
	34	360	0 0 0 3 6 0
	36	ldr w0 i	1 7 4 1 0 0
	40	3502	0 0 3 5 0 2
	42	ldr w1 i	1 7 5 1 0 0
	44	556	0 0 0 5 5 6
	46	str w1	1 7 5 0 0 3
	50	32	0 0 0 5 5 4
E4* :	52	ldr w1 i 0	0 0 1 0 0 0
	54	str w1	1 7 5 0 0 3
	56	314	0 0 0 3 1 4
	60	ldr w1 i 10 ₈	0 0 1 0 1 0
	62	str w1	1 7 5 0 0 3
	64	316	0 0 0 3 1 6
E5 :	66	ldr w1 i 0	0 0 1 0 0 0
	70	wcc w3 x3 devx	1 4 7 6 4 0
	72	ldr w0 i	1 7 4 1 0 0
	74	210	0 0 0 2 1 0
	76	rsc w3 x3 devx	1 4 3 6 4 0
Unit		LAH 108 / 116 TEST PROGRAM	
Dwg. No.		RC3500 PROGRAM DESCRIPTION	
		PR 4 OF 51	

A/S REGNECENTRALEN	Designed by 240274 KUEH	Drawn by	Dwg. Office Check	Design Check	Replaces Dwg. No.	due to ECN	Replaced by Dwg. No.	HOA	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
									4 0 0	Ldr w2 i	1 7 6 1 0 0
									2	416 ₈	0 0 0 4 1 6
									4	str w2	1 7 6 0 0 3
									6	RAC 1	0 0 0 7 6 4
									10	bszn w1 i	1 7 5 1 6 6
									12	bit 11 (READY FOR SENDING)=0	0 0 0 0 2 0
									14	ERROR 3	0 0 0 7 4 0
									16	Ldr w1	1 7 5 0 0 0
									20	316	0 0 0 3 1 6
									22	rsc w3 x3 devx	1 4 3 6 4 0
									24	Ldr w2 i	1 7 6 1 0 0
									26	442 ₈	0 0 0 4 4 2
									30	str w2	1 7 6 0 0 3
									32	RAC 2	0 0 1 0 1 6
									34	bszn w1 i	1 7 5 1 6 6
									36	bit 10 (DATA CAR. DET.)=0	0 0 0 0 4 0
									40	ERROR 4	0 0 0 7 7 2
									42	Ldr w1 i	1 7 5 1 0 0
									44	REQUEST TO SEND +1	0 0 0 3 0 0
									46	add w1	1 7 5 0 1 0
									50	314	0 0 0 3 1 4
									52	wsc w3 x3 devx LDR WO I	1 4 7 6 4 0
									54	rsc w3 x3 devx 3520	1 4 3 6 4 0
									56	Ldr w2 i	1 7 6 1 0 0
									60	474 ₈	0 0 0 4 7 4
									62	str w2	1 7 6 0 0 3
									64	RAC 1	0 0 0 7 6 4
									66	bsz w1 i	1 7 5 1 2 6
									70	bit 11 (READY FOR SENDING)=0	0 0 0 0 2 0
									72	ERROR 3	0 0 0 7 4 0
									74	Ldr w1	1 7 5 0 0 0
									76	316	0 0 0 3 1 6
Unit								LAM 108 / 116 TESTPROGRAM			
Dwg. No.								RC3500 PROGRAM DESCRIPTION			
PR 5 OF 51											

A/S REGNECENTRALEN	Designed by 240274 KUEH	Drawn by	Dwg. Office Check	Design Check	Replaces Dwg. No.	due to ECN	Replaced by Dwg. No.	HOA	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
									500	rsc w3x3 dev X	143640
									2	Ldr w2 i	176100
									4	520g	000520
									6	str w2	176003
									10	RAC 2	001016
									12	ws2 w1 i	175126
									14	bit to (DATA CAR. DET) = 0	000040
									16	ERROR 4	000772
									20	Ldr w1 i 2	001002
									22	add w1	175010
									24	316	000316
									26	str w1	175003
									30	316	000316
									32	Ldr w1 i 2	001002
									34	add w1	175010
									36	314	000314
									40	str w1	175003
									42	314	000314
									44	ws2 w1 i	175161
B1									46	10g	000010
									50	E 5	000366
									52	Ldr w0	174100
B2									54	556	000556
									56	Ldr w1	175000
									60	352	000352
									62	xsr w1	175005
									64	360	000360
									66	str w1	175003
									70	352	000352
									72	Ldr w1 i 20g	001020
									74	str w1	175003
									76	B1	000546
Unit									LAH 108 / 116 TEST PROGRAM		
Dwg. No.									RC3500 PROGRAM DESCRIPTION		
A/S REGNECENTRALEN									PAGE OF 51		

HOP		OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
E6	600	Ldr w1 i	175100	
	2	E6	000614	
	4	str w1	175003	
	6	B2	000554	
	10	Ldr w0 i	174100	
	12	E4*	000352	
	14	Ldr w2	176000	
	16	40	000040	
	20	bszn w2 i	176166	
	22	bit 1 = 0 (LAM 116)	040000	
	24	E8	000724	
	26	Ldr w1 i	175100	
	30	001020	001020	
	32	str w1	175003	
	34	352	000352	
	36	add w1 i 108	041010	
	40	str w1	175003	
	42	360	000360	
	44	Ldr w1 i 308	001030	
	E7	46	str w1	175003
50		B1	000546	
52		Ldr w1 i	175100	
54		E7	000666	
56		str w1	175003	
60		B2	000554	
62		Ldr w0 i	174100	
64		E4*	000352	
66		Ldr w1	175000	
		70	352	000352
	72	xstr w1	175005	
	74	360	000360	
	76	str w1	175003	

A/S REGNECENTRALEN	Designed by 240274 KUEH	Drawn by	Dwg. Office Check	Design Check	Replaces Dwg. No.	due to ECN	Replaced by Dwg. No.	HOP	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
									7 0 0	3 5 2	0 0 0 3 5 2
									2	Ldr w1 i 408	0 0 1 0 4 0
									4	str w1	1 7 5 0 0 3
									6	B1	0 0 0 5 4 6
									10	Ldr w1 i	1 7 5 1 0 0
									12	E8	0 0 0 7 2 4
									14	str w1	1 7 5 0 0 3
									16	B2	0 0 0 5 5 4
									20	Ldr w0 i	1 7 4 1 0 0
									22	E4*	0 0 0 3 5 2
								E8:	24	Ldr w0 i	1 7 4 1 0 0
									26	E9 Go to check Format	0 0 1 0 2 4
									30	Error bits.	
									32		
									34		
									36		
								ERROR:	40	Ldr w2	1 7 6 0 0 0
								3	42	314	0 0 0 3 1 4
									44	Ldr w3 i	1 7 7 1 0 0
									46	1 0 0 0 0 2 READY FOR SENDING	1 0 0 0 0 2
									50	Ldr w3 x2 ERROR	1 7 3 4 1 3
									52	str w3 x2	1 7 3 4 0 3
									54	Ldr w3	1 7 7 0 0 0
									56	40	0 0 0 0 4 0
									60	bsz w3 i	1 7 7 1 2 6
									62	bit 0 = 0 STOP ON ERROR	1 0 0 0 0 0
								RAC1	64	Return ADR.	0 0 0 4 1 6
									66	Ldr w0 i	1 7 4 1 0 0
									70	7 66	0 0 0 7 6 6
								ERROR:	72	Ldr w2	1 7 6 0 0 0
								4	74	316	0 0 0 3 1 6
									76	Ldr w3 i	1 7 7 1 0 0
Unit											
Dwg. No.									LAH 108/116 TEST PROGRAM		
									RC3500 PROGRAM DESCRIPTION		
									PE 8 OF 51		

A/S REGNECENTRALEN		Designed by	Drawn by	Dwg. Office Check	Design Check	Replaces Dwg. No.	due to EGN	Replaced by Dwg. No.	HOP	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
		240274 KUEH								1 0 0 0	1 0 0 0 0 4 DATA CARRIER.	1 0 0 0 0 4
										2	Ldr W3x2 DETECTOR ERROR.	1 7 3 4 1 3
										4	Str W3x2	1 7 3 4 0 3
										6	Ldr W3	1 7 7 0 0 0
										10	40	0 6 0 0 4 0
										12	bs2 W3 i	1 7 7 1 2 6
										14	bit 0 = 0 STOP ON ERROR	1 0 0 0 0 0
									RAC2	16	Return adr.	0 0 0 4 4 2
										20	Ldr W0 i	1 7 4 1 0 0
										22	1020	0 0 1 0 2 0
									E9:	24	Ldr W2 i	1 7 6 1 0 0
										26	E11	0 0 2 4 2 0
										30	str W2	1 7 6 0 0 3
										32		0 0 2 4 1 2
										34	Ldr W0 i	1 7 4 1 0 0
										36	1052	0 0 1 0 5 2
										40	SOURCE CHANNEL	
										42	DESTINATION CHANNEL	
										44	SOURCE MODE	
										46	DESTINATION MODE	
										50	Memory buffer.	
										52	Ldr W1 i	1 7 5 1 0 0
										54	E12	0 0 1 3 4 0
										56	str W1	1 7 5 0 0 3
										60	1262	0 0 1 2 6 2
										62	Ldr W1 i	1 7 5 1 0 0
										64	E17	0 0 1 4 4 4
										66	str W1	1 7 5 0 0 3
										70	1424	0 0 1 4 2 4
										72	Ldr W1 i	1 7 5 1 0 0
										74	E20	0 0 1 5 1 2
										76	str W1	1 7 5 0 0 3
Unit		LAH 108 / 116 TEST PROGRAM										
Dwg. No.		RC3500 PROGRAM DESCRIPTION										
AP.280		PR 9 OF 51										

A/S REGNECENTRALEN	Designed by 240274 KUEH	Drawn by	Dwg. Office Check	Design Check	Replaces Dwg. No.	due to ECN	Replaced by Dwg. No.	HoP	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
								E 9 *	1 1 0 0	1510	0 0 1 5 1 0
									2	Ldr w1 i 0	0 0 1 0 0 0
									4	str w1	1 7 5 0 0 3
									6	10 4 0	0 0 1 0 4 0
									10	Ldr w1 i 10 ₈	0 0 1 0 1 0
									12	str w1	1 7 5 0 0 3
									14	10 4 2	0 0 1 0 4 2
									16	Ldr w1 i	1 7 5 1 0 0
									20	8 Data bits, ODD parity, 2 STOP	0 1 6 2 0 0
									22	str w1	1 7 5 0 0 3
									24	10 4 4	0 0 1 0 4 4
									26	str w1	1 7 5 0 0 3
								E 22:	30	10 4 6	0 0 1 0 4 6
									32	Ldr w1 i 0	0 0 1 0 0 0
									34	wcc w3 x3 dev x	1 4 7 6 4 0
									36	Ldr w1 i	1 7 5 1 0 0
									40	REQTS = CNTL = 1, 110 bps	0 0 0 1 4 0
									42	add w1	1 7 5 0 1 0
									44	10 4 0	0 0 1 0 4 0
									46	add w1	1 7 5 0 1 0
									50	10 4 4	0 0 1 0 4 4
									52	wcc w3 x3 dev x	1 4 7 6 4 0
									54	Ldr w1 i	1 7 5 1 0 0
									56	CNTL = 1, 110 bps	0 0 0 0 4 0
									60	add w1	1 7 5 0 1 0
									62	10 4 2	0 0 1 0 4 2
									64	add w1	1 7 5 0 1 0
									66	10 4 6	0 0 1 0 4 6
									70	wcc w3 x3 dev x	1 4 7 6 4 0
									72	Ldr w2 i	1 7 6 1 0 0
									74	E 10	0 0 1 2 4 6
									76	Ldr w1	1 7 5 0 0 0
Unit									LAH 108 / LAH 116 TEST PROGRAM		
Dwg. No.									RC3500 PROGRAM DESCRIPTION		
AP 284									PR 100F 51		

A/S REGNECENTRALEN	Designed by 240274 KUEH	Drawn by	Dwg. Office Check	Design Check	Replaces Dwg. No.	due to ECN	Replaced by Dwg. No.	HOP	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
									1 2 0 0	4 0	0 0 0 0 4 0
									2	Lsr w1 > 5	1 6 1 0 4 5
									4	and w1 i 3 7	0 5 1 0 3 7
									6	Ldr w3	1 7 7 0 0 0
									10	1224	0 6 1 2 2 4
									12	and w3 i	1 7 7 1 1 2
									14	1 7 7 7 4 0	1 7 7 7 4 0
									16	add w3 x1 i	1 7 3 3 1 0
									20	str w3	1 7 7 0 0 3
									22	1224	0 0 1 2 2 4
									24	ist w2 x0 E miv 0	1 5 6 0 4 0
									26	Ldr w2 i	1 7 6 1 0 0
									30	Start write timer	0 4 0 0 0 2
									32	str w2	1 7 6 0 0 3
									34	ell	0 0 3 2 0 0
									36	Ldr w1 i -1	0 0 1 1 7 7
									40	wcc w3 x3 dev x	1 4 7 6 4 0
									42	Lce w0 i	1 7 4 1 1 5
									44	1242	0 0 1 2 4 2
								E10:	46	rwc w3 x3 dev x	1 4 3 6 0 0
									50	str w1	1 7 5 0 0 3
									52	1050	0 0 1 0 5 0
									54	and w1 i 3 7	0 5 1 0 3 7
									56	bew w1	1 7 5 0 2 1
									60	1040 Write interrupt from	0 0 1 0 4 0
									62	E12 Source channel.	0 0 1 3 4 0
									64	bew w1	1 7 5 0 2 1
									66	1042 Write interrupt from	0 0 1 0 4 2
									70	E13 Destination channel	0 0 1 3 1 6
									72	Ldr w2 i + 1	0 0 2 0 0 1
									74	add w2	1 7 6 0 1 0
									76	1040	0 0 1 0 4 0
Unit								LAH 108 / 116 TEST PROGRAM			
Dwg. No.								RC3500 PROGRAM DESCRIPTION			
PR 284								PR 11 OF 51			

A/S REGNECENTRALEN

Designed by

240274 KUEH

Drawn by

Dwg. Office Check

Design Check

Replaces Dwg. No.

due to ECN

Replaced by Dwg. No.

HOP	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
	1300	new w1 x2 i	171521
	2	E13	001316
	4	ldr w2 i + 1	002001
	6	add w2	176010
	10	1042	001042
	12	new w1 x2 i	171521
	14	E14	001422
E13:	16	ldr w2 i	176100
	20	E15	001330
	22	ist w2 x0 E nivo	156040
	24	lce w0 i	174115
	26	E10	001246
E15:	30	ldr w1 i - 1	001177
	32	wcc w3 x3 dev x	147640
	34	lce w0 i	174115
	36	1334	001334
E12:	40	ldr w2 i	176100
	42	stop write timer	060003
	44	str w2	176003
	46	E11	003200
	50	ldr w1 i	175100
	52	152400 Data Character	152400
	54	add w1	175010
	56	1040	001040
	60	wcc w3 x3 dev x	147600
	62	ldr w2 i	176100
	64	start write timer start read timer	000000
	66	str w2	176003
	70	E11	003200
	72	ldr w2 i	176100
	74	E16	001406
	76	str w2	176003
Unit	LAH 108 / 116 TEST PROGRAM		
Dwg. No.	RC3500 PROGRAM DESCRIPTION		PR 120F 51

A/S REGNENTRALEN

Designed by

240274 KUEH

Drawn by

Dwg. Office Check

Design Check

Replaces Dwg. No.

due to ECN

Replaced by Dwg. No.

HOPE	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
	1 4 0 0	1262	0 0 1 2 6 2
	2	Ldr w0 i	1 7 4 1 0 0
	4	E13	0 0 1 3 1 6
E16:	6	Ldr w2 i	1 7 6 1 0 0
	10	Stop write timer, En Read timer	0 2 0 0 0 1
	12	str w2	1 7 6 0 0 3
	14	E17	0 0 3 2 0 0
	16	Ldr w0 i	1 7 4 1 0 0
	20	E13	0 0 1 3 1 6
E14:	22	Ldr w2 i	1 7 6 1 0 0
	24	E17	0 0 1 4 4 4
	26	Ldr w1 i	1 7 5 1 0 0
	30	Stop Read Timer	0 6 0 0 0 3
	32	str w1	1 7 5 0 0 3
	34	E17	0 0 3 2 0 0
	36	1st w2 x0 S niv 31	1 5 6 1 7 7
	40	Lcc w0 i	1 7 4 1 1 5
	42	1 4 4 0	0 0 1 4 4 0
E17:	44	Ldr w1	1 7 5 0 0 0
	46	10 50 mellem buffer	0 0 1 0 5 0
	50	Ldr w2 i	1 7 6 1 0 0
	52	E18	0 0 1 4 6 6
	54	str w2	1 7 6 0 0 3
	56	RAC 3	0 0 2 7 4 4
	60	WSZn w1 i	1 7 5 1 6 6
	62	bit 10 (ERROR) = 0	0 0 0 0 4 0
	64	ERROR 5	0 0 2 7 2 0
E18:	66	rsc w3 x3 dev X	1 4 3 6 4 0
	70	Ldr w2 i	1 7 6 1 0 0
	72	E19	0 0 1 5 0 6
	74	str w2	1 7 6 0 0 3
	76	RAC 4	0 0 2 7 7 2
Unit		LAM 108 / 116 TEST PROGRAM	
Dwg. No.		RC3500 PROGRAM DESCRIPTION	
A17284		PR130F 51	

A/S REGNECENTRALEN	Designed by 240274 KUEH	Drawn by	Dwg. Office Check	Design Check	Replaces Dwg. No.	due to ECN	Replaced by Dwg. No.	NOF	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
									1 5 0 0	6527 W1 i	1 7 5 1 6 6
									2	61+15 = 61+14 = 61+13 = 0	0 0 0 0 0 7
									4	ERROR 6	0 0 2 7 5 2
								E 19:	6	Ldr W0 i	1 7 4 1 0 0
									10	E 20	0 0 1 5 1 2
								E 20:	12	Ldr W2 i	1 7 6 1 0 0
									14	E 21	0 0 1 5 5 2
									16	str W2	1 7 6 0 0 3
									20	1 5 1 0	0 0 1 5 1 0
									22	Ldr W1 i	1 7 5 1 0 0
									24	8 data bits, Even parity, 2 STOP	0 1 7 2 0 0
									26	str W1	1 7 5 0 0 3
									30	1 0 4 4	0 0 1 0 4 4
									32	str W1	1 7 5 0 0 3
									34	1 0 4 6	0 0 1 0 4 6
									36	Ldr W2 i	1 7 6 1 0 0
									40	E 12	0 0 1 3 4 0
									42	str W2	1 7 6 0 0 3
									44	1 2 6 2	0 0 1 2 6 2
									46	Ldr W0 i	1 7 4 1 0 0
									50	E 22	0 0 1 1 3 2
								E 21:	52	Ldr W2 i	1 7 6 1 0 0
									54	E 23	0 0 1 6 1 2
									56	str W2	1 7 6 0 0 3
									60	1 5 1 0	0 0 1 5 1 0
									62	Ldr W1 i	1 7 5 1 0 0
									64	8 data bits, No parity, 2 STOP	0 1 6 6 0 0
									66	str W1	1 7 5 0 0 3
									70	1 0 4 4	0 0 1 0 4 4
									72	str W1	1 7 5 0 0 3
									74	1 0 4 6	0 0 1 0 4 6
									76	Ldr W2 i	1 7 6 1 0 0
Unit									LAM 108 / 116 TEST PROGRAM		
Dwg. No.									RC3500 PROGRAM DESCRIPTION		
									PR 140F 51		

A/S REGNECENTRALEN

Designed by

240274 KUEH

Drawn by

Dwg. Office Check

Design Check

Replaces Dwg. No.

due to ECN

Replaced by Dwg. No.

HOP	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
	1 6 0 0	E 1 2	0 0 1 3 4 0
	2	str w2	1 7 6 0 0 3
	4	1 2 6 2	0 0 1 2 6 2
	6	ldr w0 i	1 7 4 1 0 0
	10	E 2 2	0 0 1 1 3 2
E 23:	12	ldr w2 i	1 7 6 1 0 0
	14	E 1 2	0 0 1 3 4 0
	16	str w2	1 7 6 0 0 3
	20	1 2 6 2	0 0 1 2 6 2
	22	ldr w2 i	1 7 6 1 0 0
	24	E 2 4	0 0 1 6 5 6
	26	str w2	1 7 6 0 0 3
	30	1 4 2 4	0 0 1 4 2 4
	32	ldr w1 i	1 7 5 1 0 0
	34	8 Data bits, Even Parity, 2 Stop	0 1 7 2 0 0
	36	str w1	1 7 5 0 0 3
	40	1 0 4 4	0 0 1 0 4 4
	42	ldr w1 i	1 7 5 1 0 0
	44	8 data bits, Odd parity, 2 Stop	0 1 6 2 0 0
	46	str w1	1 7 5 0 0 3
	50	1 0 4 6	0 0 1 0 4 6
	52	ldr w0 i	1 7 4 1 0 0
	54	E 2 2	0 0 1 1 3 2
E 24:	56	ldr w1	1 7 5 0 0 0
	60	10 50 mellem buffer	0 0 1 0 5 0
	62	ldr w2 i	1 7 6 1 0 0
	64	E 2 5	0 0 1 6 7 6
	66	str w2	1 7 6 0 0 3
	70	RAC 3	0 0 2 7 4 4
	72	LSZ w1 i $b_1 + 13 = 0$	1 3 1 0 4 0
	74	ERROR 5	0 0 2 7 2 0
E 25:	76	rsc w3 x3 dev x	1 4 3 6 4 0
Unit		LAM 108 / 116 TEST PROGRAM	
Dwg. No.		RC3500 PROGRAM DESCRIPTION	
		PR 15 OF 51	

A/S REGNECENTRALEN	Designed by 240274 KUEN	Drawn by	Dwg. Office Check	Design Check	Replaces Dwg. No.	due to ECN	Replaced by Dwg. No.	HoP	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
									1 7 0 0	Ldr w2 i	1 7 6 1 0 0
									2	E 2 6	0 0 1 7 1 6
									4	str w2	1 7 6 0 0 3
									6	RAC 5	0 0 3 1 0 2
									10	bsz w1 i	1 7 5 1 2 6
									12	bit 13 (Parity Error) = 0	0 0 0 0 0 4
									14	ERROR 7	0 0 3 0 5 6
								E26:	16	Ldr w1	1 7 5 0 0 0
									20	1 0 4 4	0 0 1 0 4 4
									22	xsr w1	1 7 5 0 0 5
									24	1 0 4 6	0 0 1 0 4 6
									26	str w1	1 7 5 0 0 3
									30	1 0 4 4	0 0 1 0 4 4
									32	Ldr w2 i	1 7 6 1 0 0
									34	E12	0 0 1 3 4 0
									36	str w2	1 7 6 0 0 3
									40	1 2 6 2	0 0 1 2 6 2
									42	Ldr w2 i	1 7 6 1 0 0
									44	E 2 7	0 0 1 7 5 6
									46	str w2	1 7 6 0 0 3
									50	1 4 2 4	0 0 1 4 2 4
									52	Ldr w0 i	1 7 4 1 0 0
									54	E 2 2	0 0 1 1 3 2
								E27:	56	Ldr w1	1 7 5 0 0 0
									60	1 0 5 0 mellem - buffer	0 0 1 0 5 0
									62	Ldr w2 i	1 7 6 1 0 0
									64	E 2 8	0 0 2 0 0 0
									66	str w2	1 7 6 0 0 3
									70	RAC 3	0 0 2 7 4 4
									72	bsz w1 i	1 7 5 1 2 6
									74	bit 10 = 0	0 0 0 0 4 0
									76	ERROR 5	0 0 2 7 2 0
Unit									LAM 108 / 116 TEST PROGRAM		
Dwg. No.									RC3500 PROGRAM DESCRIPTION		
PP 284									PR 160F 51		

A/S REGNENTRALEN

Designed by

240274 KUEH

Drawn by

Dwg. Office Check

Design Check

Replaces Dwg. No.

due to ECN

Replaced by Dwg. No.

HOP	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
E 28:	2 0 0 0	rsc w3x3 dev X	1 4 3 6 4 0
	2	Ldr w2 i	1 7 6 1 0 0
	4	E 29	0 0 2 0 2 0
	6	str w2	1 7 6 0 0 3
	10	RAC 5	0 6 3 1 0 2
	12	LSZ w1 i	1 7 5 1 2 6
	14	bit 13 (Parity Error) = 0	0 0 0 0 0 7
	16	ERROR 7	0 0 3 0 5 6
E 29:	20	Ldr w2 i	1 7 6 1 0 0
	22	E 12	0 0 1 3 4 0
	24	str w2	1 7 6 0 0 3
	26	12 6 2	0 0 1 2 6 2
	30	Ldr w1 i	1 7 5 1 0 0
	32	8 Data bits, Even parity, 2 stop	0 1 7 2 0 0
	34	str w1	1 7 5 0 0 3
	36	10 4 4	0 0 1 0 4 4
	40	Ldr w1 i	1 7 5 1 0 0
	42	5 Data bits, No parity, 2 stop	0 0 2 6 0 0
	44	str w1	1 7 5 0 0 3
	46	10 4 6	0 0 1 0 4 6
	50	Ldr w2 i	1 7 6 1 0 0
	52	E 3 0	0 0 2 0 6 4
	54	str w2	1 7 6 0 0 3
	56	14 2 4	0 0 1 4 2 4
	60	Ldr w0 i	1 7 4 1 0 0
	62	E 22	0 0 1 1 3 2
E 30:	64	Ldr w1	1 7 5 0 0 0
	66	10 5 0 - mellem butter	0 0 1 0 5 0
	70	Ldr w2 i	1 7 6 1 0 0
	72	E 3 1	0 0 2 1 0 6
	74	str w2	1 7 6 0 0 3
	76	RAC 3	0 0 2 7 4 4
Unit		LAH 108 / 116 TEST PROGRAM	
Dwg. No.		RC3500 PROGRAM DESCRIPTION	
111284		PR 17 OF 51	

A/S REGNECENTRALEN

Designed by

240274 KUEH

Drawn by

Dwg. Office Check

Design Check

Replaces Dwg. No.

due to ECN

Replaced by Dwg. No.

HoP	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
E 31	2 1 0 0	LSZ W1 i	1 7 5 1 2 6
	2	bit 10 (ERROR) = 0	0 0 0 0 4 0
	4	ERROR 5	0 0 2 7 2 0
	6	rsc W3x3 devX	1 4 3 6 4 0
	10	Ldr W2 i	1 7 6 1 0 0
	12	E 32	0 0 2 1 2 6
	14	Str W2	1 7 6 0 0 3
	16	RAC 6	0 0 3 1 3 4
	20	LSZ W1 i	1 7 5 1 2 6
	22	bit 14 (Framing Error) = 0	0 0 0 0 0 2
E 32:	24	ERROR 8	0 0 3 1 1 0
	26	Ldr W1 i	1 7 5 1 0 0
	30	8 Data bits, ODD parity, 2 Stop	0 1 6 2 0 0
	32	Str W1	1 7 5 0 0 3
	34	10 4 4	0 0 1 0 4 4
	36	Str W1	1 7 5 0 0 3
	40	10 4 6	0 0 1 0 4 6
	42	Ldr W2 i	1 7 6 1 0 0
	44	E 33	0 0 2 1 5 6
	46	Str W2	1 7 6 0 0 3
E 33:	50	12 6 2	0 0 1 2 6 2
	52	Ldr W0 i	1 7 4 1 0 0
	54	E 22	0 0 1 1 3 2
	56	Ldr W2 i	1 7 6 1 0 0
	60	Stop write timer	0 6 0 0 0 3
	62	Str W2	1 7 6 0 0 3
	64	E 11	0 0 3 2 0 0
	66	Ldr W2 i	1 7 6 1 0 0
	70	E 34	0 0 2 2 0 0
	72	1st W2 x0 S niv 31	1 5 6 1 7 7
	74	Lce W0 i	1 7 4 1 1 5
	76	E 10	0 0 1 2 4 6
Unit			
Dwg. No.			
LAH 108/116 TEST PROGRAM			
RC3500 PROGRAM DESCRIPTION			
		PE 18 OF 51	

A/S REGNECENTRALEN

Designed by

240274 KUEH

Drawn by

Dwg. Office Check

Design Check

Replaces Dwg. No.

due to ECN

Replaced by Dwg. No.

HOA	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
E 34:	2 2 0 0	ldr w1	1 7 5 0 0 0
	2	1 0 4 0	0 0 1 0 4 0
	4	w w c w 3 x 3 dev x	1 4 7 6 0 0
	6	ldr w2 i 0	0 0 2 0 0 0
E 35:	1 0	add w2 i + 1	0 4 2 0 0 1
	1 2	be w n w 2 i	1 7 6 1 6 1
	1 4	1 7 7 7 7 6	1 7 7 7 7 6
	1 6	E 3 5 :	0 0 2 2 1 0
	2 0	w w c w 3 x 3 dev x	1 4 7 6 0 0
	2 2	ldr w2 i 0	0 0 2 0 0 0
E 36:	2 4	add w2 i + 1	0 4 2 0 0 1
	2 6	be w n w 2 i	1 7 6 1 6 1
	3 0	1 7 7 7 7 6	1 7 7 7 7 6
	3 2	E 3 6	0 0 2 2 2 4
	3 4	ldr w2 i	1 7 6 1 0 0
	3 6	E 1 3	0 0 1 3 1 6
	4 0	s t r w 2	1 7 6 0 0 3
	4 2	1 2 6 2	0 0 1 2 6 2
	4 4	ldr w2 i	1 7 6 1 0 0
	4 6	E 3 7	0 0 2 2 6 0
	5 0	s t r w 2	1 7 6 0 0 3
	5 2	1 3 1 4	0 0 1 3 1 4
	5 4	ldr w0 i	1 7 4 1 0 0
	5 6	E 1 3	0 0 1 3 1 6
E 37:	6 0	ldr w2 i	1 7 6 1 0 0
	6 2	E 3 8	0 0 2 2 7 2
	6 4	1 s t w 2 x 0 S n i v 3 1	1 5 6 1 7 7
	6 6	l c c w 0 i	1 7 4 1 1 5
	7 0	E 1 0	0 0 1 2 4 6
E 38:	7 2	ldr w1	1 7 5 0 0 0
	7 4	1 0 5 0 , m e l l e m b u f f e r	0 0 1 0 5 0
	7 6	ldr w2 i	1 7 6 1 0 0
Unit		LAM 108 / 116 TEST PROGRAM	
Dwg. No.		RC3500 PROGRAM DESCRIPTION	
AH 284		PR 19 OF 51	

A/S REGNECENTRALEN

Designed by

240274 KUEH

Drawn by

Dwg. Office Check

Design Check

Replaces Dwg. No.

due to EGN

Replaced by Dwg. No.

HOP	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
	2300	E 39	002314
	2	str w2	176003
	4	RAC 3	002744
	6	LSZ w1 i	175126
	10	bit 10 (ERROR) = 0	000040
	12	ERROR 5	002720
E 39:	14	rsc w3x3 dev x	143640
	16	Ldr w2 i	176100
	20	E 40	002334
	22	str w2	176003
	24	RAC 7	003166
	26	LSZ w1 i	175126
	30	bit 15 (OVERRUN) = 0	000001
	32	ERROR 9	003142
E 40:	34	Ldr w1 i	175100
	36	8 Databits , odd parity , 2 stop	016200
	40	str w1	175003
	42	1044	001044
	44	str w1	175003
	46	1046	001046
	50	Ldr w2 i	176100
	52	E12	001340
	54	str w2	176003
	56	1262	001262
	60	Ldr w2 i	176100
	62	E14	001422
	64	str w2	176003
	66	1314	001314
	70	Ldr w2 i	176100
	72	E17	001444
	74	str w2	176003
	76	1424	001424
Unit			
Dwg. No.	RC3500 PROGRAM DESCRIPTION		PR200F 51

A/S REGNECENTRALEN	Designed by 240274 KUEH	Drawn by	Dwg. Office Check	Design Check	Replaces Dwg. No.	due to ECN	Replaced by Dwg. No.	MoP	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
									2 4 0 0	Ldr w2 i	1 7 6 1 0 0
									2	E 20	0 0 1 5 1 2
									4	str w2	1 7 6 0 0 3
									6	1510	0 0 1 5 1 0
									10	Ldr w0 i	1 7 4 1 0 0
									12	E 41	0 0 2 4 2 0
									14		
									16		
								E 41:	20	Ldr w1	1 7 5 0 0 0
									22	10 4 0	0 0 1 0 4 0
									24	add w1 i + 2	0 4 1 0 0 2
									26	str w1	1 7 5 0 0 3
									30	10 4 0	0 0 1 0 4 0
									32	add w1 i + 10,	0 4 1 0 4 0
									34	str w1	1 7 5 0 0 3
									36	10 4 2	0 0 1 0 4 2
									40	Load w1 i	1 7 5 1 6 1
									42	20,	0 0 0 0 2 0
									44	E 22	0 0 1 1 3 2
									46	Ldr w1 i 0	0 0 1 0 0 0
									50	str w1	1 7 5 0 0 3
									52	10 4 2	0 0 1 0 4 2
									54	add w1 i + 10,	0 4 1 0 4 0
									56	str w1	1 7 5 0 0 3
									60	10 4 0	0 0 1 0 4 0
									62	Ldr w2 i	1 7 6 1 0 0
									64	E 42	0 0 2 5 0 0
									66	str w2	1 7 6 0 0 3
									70	2 4 1 2	0 0 2 4 1 2
									72	Ldr w0 i	1 7 4 1 0 0
									74	E 22	0 0 1 1 3 2
									76		
Unit									LAH 108 / 116		
Dwg. No.									TEST PROGRAM		
RC3500 PROGRAM DESCRIPTION									PR 21 OF 51		

A/S REGNECENTRALEN	Designed by 240274 RUEH	Drawn by	Dwg. Office Check	Design Check	Replaces Dwg. No.	due to ECN	Replaced by Dwg. No.	MoP	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
								E 42:	2 5 0 0	Ldr w1	1 7 5 0 0 0
									2	1 0 4 2	0 0 1 0 4 2
									4	add w1 i + 2	0 4 1 0 0 2
									6	str w1	1 7 5 0 0 3
									10	1 0 4 2	0 0 1 0 4 2
									12	add w1 i + 10g	0 4 1 0 4 0
									14	str w1	1 7 5 0 0 3
									16	1 0 4 0	0 0 1 0 4 0
									20	be w1 w1 i	1 7 5 1 6 1
									22	20g	0 0 0 0 2 0
									24	E 2 2	0 0 1 1 3 2
									26	Ldr w1	1 7 5 0 0 0
									30	40	0 0 0 0 4 0
									32	bs 2 n w1 i	1 7 5 1 6 6
									34	bit 1 (LAM 116) = 0	0 4 0 0 0 0
									36	E 4 3	0 0 2 6 7 6
									40	Ldr w1 i 20g	0 0 1 0 2 0
									42	str w1	1 7 5 0 0 3
									44	1 0 4 0	0 0 1 0 4 0
									46	add w1 i + 10g	0 4 1 0 4 0
									50	str w1 i	1 7 5 0 0 3
									52	1 0 4 2	0 0 1 0 4 2
									54	Ldr w2 i	1 7 6 1 0 0
									56	E 4 4	0 0 2 5 7 0
									60	str w2	1 7 6 0 0 3
									62	24 12	0 0 2 4 1 2
									64	Ldr w0 i	1 7 4 1 0 0
									66	E 2 2	0 0 1 1 3 2
								E 44:	70	Ldr w1	1 7 5 0 0 0
									72	1 0 4 0	0 0 1 0 4 0
									74	add w1 i + 2	0 4 1 0 0 2
									76	str w1	1 7 5 0 0 3
Unit									LAM 108 / 116 TEST PROGRAM		
Dwg. No.									RC3500 PROGRAM DESCRIPTION		
									PR 220 F 51		

A/S REGNECENTRALEN

Dwg. No.

TEST PROGRAM

RC3500 PROGRAM DESCRIPTION

PE 230F 51

AGF 1974

A/S REGNECENTRALEN	Designed by 240274 KUEH		Dwg. Office Check	Design Check	Replaces Dwg. No.	due to ECN	Replaced by Dwg. No.	HOA	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
									2700	E41	002420
									2	str w2	176003
									4	2412	002412
									6	Ldr wo i	174100
									10	E46	004042
									12	Go to check of	
									14	Data bits	
									16		
								ERROR:	20	Ldr w2	176000
								5	22	1042	001042
									24	Ldr w3 i	177100
									26	100100	100100
									30	Lor w3 x2	173413
									32	str w3 x2	173403
									34	Ldr w3	177000
									36	40	000040
									40	bs2 w3 i	177126
									42	bit (stop on Error) = 0	100000
								RAC3:	44	Ret. adr	000000
									46	Ldr wo i	174100
									50	2746	002746
								ERROR:	52	and w1 i 7	051007
								6	54	bew w1 i 1	105001
									56	E47	002774
									60	bew w1 i 2	105002
									62	E48	003026
									64	bew w1 i 4	105004
									66	E49	003042
									70	Ldr wo i	174100
								RAC4:	72	Ret. adr	000000
								E47:	74	Ldr w2	176000
									76	1042	001042
Unit									LAH 108 / LAH 116 TESTPROGRAM		
Dwg. No.									RC3500 PROGRAM DESCRIPTION		
									PR240F 51		

A/S REGNECENTRALEN	Designed by 240274 KUEH	Drawn by	Dwg. Office Check	Design Check	Replaces Dwg. No.	due to ECN	Replaced by Dwg. No.	HOP	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
									3 0 0 0	Ldr W3 i	1 7 7 1 0 0
									2	1 0 0 0 4 0	1 0 0 0 4 0
									4	Ldr W3 x 2	1 7 3 4 1 3
									6	Str W3 x 2	1 7 3 4 0 3
									10	Ldr W3	1 7 7 0 0 0
									12	4 0	0 0 0 0 4 0
									14	bsz W3 i	1 7 7 1 2 6
									16	bit 0 (stop on Error) = 0	1 0 0 0 0 0
									20	2 7 7 0	0 0 2 7 7 0
									22	Ldr W0 i	1 7 4 1 0 0
									24	3 0 2 2	0 0 3 0 2 2
								E48:	26	Ldr W2	1 7 6 0 0 0
									30	1 0 4 2	0 0 1 0 4 2
									32	Ldr W3 i	1 7 7 1 0 0
									34	1 0 0 0 2 0	1 0 0 0 2 0
									36	Ldr W0 i	1 7 4 1 0 0
									40	3 0 0 4	0 0 3 0 0 4
								E49:	42	Ldr W2	1 7 6 0 0 0
									44	1 0 4 2	0 0 1 0 4 2
									46	Ldr W3 i	1 7 7 1 0 0
									50	1 0 0 0 1 0	1 0 0 0 1 0
									52	Ldr W0 i	1 7 4 1 0 0
									54	3 0 0 4	0 0 3 0 0 4
								ERROR:	56	Ldr W2	1 7 6 0 0 0
								7	60	1 0 4 2	0 0 1 0 4 2
									62	Ldr W3 i	1 7 7 1 0 0
									64	1 0 0 0 1 0	1 0 0 0 1 0
									66	Ldr W3 x 2	1 7 3 4 1 3
									70	Str W3 x 2	1 7 3 4 0 3
									72	Ldr W3	1 7 7 0 0 0
									74	4 0	0 0 0 0 4 0
									76	bsz W3 i	1 7 7 1 2 6
Unit									LAM 108 / 116 TEST PROGRAM		
Dwg. No.									RC3500 PROGRAM DESCRIPTION		
A/S REGNECENTRALEN									PR 25 OF 51		

A/S REGNECENTRALEN	Designed by 240274 KUEH	Drawn by	Dwg. Office Check	Design Check	Replaces Dwg. No.	due to ECN	Replaced by Dwg. No.	HOP	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
									3 1 0 0	bit 0 (stop on Error) = 0	1 0 0 0 0 0
								RAC5:	2	Ret. adr	0 0 0 0 0 0
									4	Ldr w0 i	1 7 4 1 0 0
									6	3 1 0 4	0 0 3 1 0 4
								ERROR8:	10	Ldr w2	1 7 6 0 0 0
									12	10 4 2	0 0 1 0 4 2
									14	Ldr w3 i	1 7 7 1 0 0
									16	1 0 0 0 2 0 Framing Error	1 0 0 0 2 0
									20	Ldr w3 x2	1 7 3 4 1 3
									22	Str w3 x2	1 7 3 4 0 3
									24	Ldr w3	1 7 7 0 0 0
									26	4 0	0 0 0 0 4 0
									30	bsz w3 i	1 7 7 1 2 6
									32	bit 0 (stop on Error) = 0	1 0 0 0 0 0
								RAC6	34	Ret. adr	0 0 0 0 0 0
									36	Ldr w0 i	1 7 4 1 0 0
									40	3 1 3 6	0 0 3 1 3 6
								ERROR:	42	Ldr w2	1 7 6 0 0 0
								9	44	10 4 2	0 0 1 0 4 2
									46	Ldr w3 i	1 7 7 1 0 0
									50	1 0 0 0 4 0 Overrun Error	1 0 0 0 4 0
									52	Ldr w3 x2	1 7 3 4 1 3
									54	Str w3 x2	1 7 3 4 0 3
									56	Ldr w3	1 7 7 0 0 0
									60	4 0	0 0 0 0 4 0
									62	bsz w3 i	1 7 7 1 2 6
									64	bit 0 (stop on Error) = 0	1 0 0 0 0 0
								RAC7:	66	Ret. adr	0 0 0 0 0 0
									70	Ldr w0 i	1 7 4 1 0 0
									72	3 1 7 0	0 0 3 1 7 0
									74		
									76		
Unit											
Dwg. No.									LAH 108 / 116 TEST PROGRAM.		
RC3500 PROGRAM DESCRIPTION									PR 26 OF 51		

A/S REGNECENTRALE	Designed by 240274 KUEH	Drawn by	Dwg. Office Check	Design Check	Replaces Dwg. No.	due to ECN	Replaced by Dwg. No.	HOP	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
								E11:	3 2 0 0	Timer mode	0 6 0 0 0 3
								E54:	2	Ldr w1	1 7 5 0 0 0
									4	E11	0 0 3 2 0 0
									6	bsz w1 i	1 7 5 1 2 6
									10	bit 2 = bit 15 = 0	0 2 0 0 0 1
									12	E50	0 0 3 2 5 0
									14	bsz w1 i bit 15 = 0	1 3 1 0 0 1
									16	E51	0 0 3 3 1 4
								E55:	20	ldr w1	1 7 5 0 0 0
									22	E11	0 0 3 2 0 0
									24	bsz w1 i	1 7 5 1 2 6
									26	bit 1 = bit 14 = 0	0 4 0 0 0 2
									30	E52	0 0 3 2 7 2
									32	bsz w1 i bit 14 = 0	1 3 1 0 0 2
									34	E53	0 0 3 3 4 0
									36	Lce w0	1 7 4 1 1 5
									40	E54	0 0 3 2 0 2
								B3	42	Write Counter	0 0 0 0 0 0
								B4	44	Read -N-	0 0 0 0 0 0
									46		
								E50:	50	add w1 i	1 7 5 1 1 0
									52	0 2 0 0 0 0	0 2 0 0 0 0
									54	str w1	1 7 5 0 0 3
									56	E11	0 0 3 2 0 0
									60	Ldr w2: 0	0 0 2 0 0 0
									62	str w2	1 7 6 0 0 3
									64	B3	0 0 3 2 4 2
									66	Ldr w0 i	1 7 4 1 0 0
									70	E54	0 0 3 2 0 2
								E52:	72	add w1 i	1 7 5 1 1 0
									74	0 4 0 0 0 0	0 4 0 0 0 0
									76	str w1	1 7 5 0 0 3
Unit									REAL TIME CLOCK Program		
Dwg. No.									LAM 108 / 116 TEST PROGRAM		
RC3500 PROGRAM DESCRIPTION									PR 27 OF 51		

A/S REGNENCENTRALEN

Designed by

240274 KUEH

Drawn by

Dwg. Office Check

Design Check

Replaces Dwg. No.

due to ECN

Replaced by Dwg. No.

HOP	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
	3 4 0 0	E 11	0 0 3 2 0 0
	2	Ldr w2 i	1 7 6 1 0 0
	4	E 5 8	0 0 3 4 4 2
	6	1st w2 x 0 \$ n.v 31	1 5 6 1 7 7
	10	Ldr w0 i	1 7 4 1 0 0
	12	E 5 5	0 0 3 2 2 0
E 57 :	14	Ldr w2	1 7 6 0 0 0
	16	E 11	0 0 3 2 0 0
	20	add w2 i + 2	0 4 2 0 0 2
	22	str w2	1 7 6 0 0 3
	24	E 11	0 0 3 2 0 0
	26	Ldr w2 i	1 7 6 1 0 0
	30	E 5 9	0 0 3 4 6 2
	32	1st w2 x 0 \$ n.v 31	1 5 6 1 7 7
	34	Ldr w0 i	1 7 4 1 1 5
	36	E 5 4	0 0 3 2 0 2
	40		
E 58 :	42	Ldr w2	1 7 6 0 0 0
	44	1 0 4 0	0 0 1 0 4 0
	46	Ldr w3 i	1 7 7 1 0 0
	50	1 2 0 0 0 0	1 2 0 0 0 0
	52	Ldr w3 x 2	1 7 3 4 1 3
	54	str w3 x 2	1 7 3 4 0 3
	56	Ldr w0 i	1 7 4 1 0 0
	60	3 4 5 6	0 0 3 4 5 6
E 59 :	62	Ldr w2	1 7 6 0 0 0
	64	1 0 4 2	0 0 1 0 4 2
	66	Ldr w3 i	1 7 7 1 0 0
	70	0 4 0 0 0 0	0 4 0 0 0 0
	72	Ldr w3 x 2	1 7 3 4 1 3
	74	str w3 x 2	1 7 3 4 0 3
	76	Ldr w0 i	1 7 4 1 0 0
Unit		LAM 108 / 116 Testprogram	
Dwg. No.		RC3500 PROGRAM DESCRIPTION	
		PR29 OF 51	

A/S REGNECENTRALEN	Designed by 240274 KUEH	Drawn by	Dwg. Office Check	Design Check	Replaces Dwg. No.	due to ECN	Replaced by Dwg. No.	MoP	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
									3 5 0 0	3476	0 0 3 4 7 6
									2	ldr wi 108	0 0 1 0 1 0
									4	str wi	1 7 5 0 0 3
									6	39	0 0 0 5 4 6
									10	ldr wo i	1 7 4 1 0 0
									12	342	0 0 0 3 4 2
									14		
									16		
									20	WCC W3X3 DEVO	
									22	LDR WO I	
									24	3526	
									26	RSC W3X3 DEVO	
									30	LDR WO I	
									32	456	
									34	LDR W1	
									36	44	
									40	AND W1 I 378	
									42	ADD W1 I	
									44	1ST W2X0 E Level 0	
									46	STR W1	
									50	4124	
									52	STR W1	
									54	4124 4124	
									56	STR W1	
									60	6242	
									62	LDR W3	
									64	40	
									66	LDR WO I	
									70	6210	
									72		
									74		
									76		
Unit								LAH 108 / 116 Test program			
Dwg. No.								RC3500 PROGRAM DESCRIPTION			
PR 300F 51											

A/S REGNECENTRALEN		Designed by	Drawn by	Dwg. Office Check	Design Check	Replaces Dwg. No.	due to ECN	Replaced by Dwg. No.
		240274 KUEH						
HOP	OCTAL ADDRESS	DESCRIPTION OF CONTENTS					OCTAL CONTENTS	
	3 6 0 0	CHANNEL READY TO WRITE						
	2							
	4							
	6	CHANNEL STOPPED ON ERROR						
	10							
	12							
	14	CHARACTER READY FROM CHANNEL						
	16							
	20							
	22	TRANSMISSION END						
	24							
	26							
	30							
	32							
	34	MODE						
	36							
	40							
	42							
	44							
	46							
	50							
	52							
	54							
	56							
	60							
	62							
	64							
	66							
	70							
	72							
	74							
	76							
Unit		LAM 108 / 116 TESTPROGRAM						
Dwg. No.		RC3500 PROGRAM DESCRIPTION					PR31 OF 51	

A/S REGNECENTRALEN		Designed by 240274 KUEH	Drawn by	Dwg. Office Check	Design Check	Replaces Dwg. No.	due to ECN	Replaced by Dwg. No.
HOP	OCTAL ADDRESS	DESCRIPTION OF CONTENTS					OCTAL CONTENTS	
	3 7 0 0	WRITE CHARACTER CHANNEL 4						
	2	" "					5	
	4	" "					6	
	6	" "					7	
	10	" "					0	
	12	" "					1	
	14	" "					2	
	16	" "					3	
	20	" "					12	
	22	" "					13	
	24	" "					14	
	26	" "					15	
	30	" "					8	
	32	" "					9	
	34	" "					10	
	36	" "					11	
	40							
	42							
	44							
	46							
E 89:	50	str w1 x2					1 7 5 6 0 3	
	52	5 0 0 0					0 0 5 0 0 0	
	54	ldr w0					1 7 4 1 0 0	
	56	E 90					0 0 5 4 6 2	
	60							
	62							
	64							
	66							
	70							
	72							
	74							
	76							
Unit		LAH 108 / 116 TEST PROGRAM						
Dwg. No.		RC3500 PROGRAM DESCRIPTION					PR320F 51	

A/S REGNECENTRALEN	Designed by 240274 RUEH	Drawn by	Dwg. Office Check	Design Check	Replaces Dwg. No.	due to ECN	Replaced by Dwg. No.	MoP	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
									4 0 0 0	READ CHARACTER CHANNEL .0	
									2	1	
									4	2	
									6	3	
									10	4	
									12	5	
									14	6	
									16	7	
									20	8	
									22	9	
									24	10	
									26	11	
									30	12	
									32	13	
									34	14	
									36	15	
									40		
								E 46:	42	ldr w2 i 2 STOP	1 7 6 1 0 0
									44	8 Data bits, 110 kps, ODD Par., REQTS=CNTRL=1	0 1 6 3 4 0
									46	str w2	1 7 6 0 0 3
									50	3 6 3 4	0 0 3 6 3 4
									52	ldr w1 i 0	0 0 1 0 0 0
									54	str w1	1 7 5 0 0 3
									56	3 6 0 0	0 0 3 6 0 0
									60	str w1	1 7 5 0 0 3
									62	3 6 0 6	0 0 3 6 0 6
									64	str w1	1 7 5 0 0 3
									66	3 6 1 4	0 0 3 6 1 4
									70	str w1	1 7 5 0 0 3
									72	3 6 2 2	0 0 3 6 2 2
									74	ldr w1 i	1 7 5 1 0 0
									76	1 0 0 0 0 0	1 0 0 0 0 0
Unit									LAH 108 / 116 TEST PROGRAM		
Dwg. No.									RC3500 PROGRAM DESCRIPTION		
									PE330F 51		

A/S REGNECENTRALEN		Designed by	Drawn by	Dwg. Office Check	Design Check	Replaces Dwg. No.	due to ECN	Replaced by Dwg. No.
		240274 KUEH						
Unit	DESCRIPTION OF CONTENTS						OCTAL CONTENTS	
	HOP	OCTAL ADDRESS						
		4 1 0 0	add w1 i					1 7 5 1 1 0
		2	0 4 0 0 0 0					0 4 0 0 0 0
		4	str w1					1 7 5 0 0 3
		6	4 2 5 2					0 0 4 2 5 2
		10	str w1					1 7 5 0 0 3
		12	4 7 0 2					0 0 4 7 0 2
		14	ldr woi					1 7 4 1 0 0
		16	E 6 0					0 0 4 2 0 0
		20	ldr w2 i					1 7 6 1 0 0
		22	3 2 0 2					0 0 3 2 0 2
		24	1st w2 x0 E n v 1					1 5 6 0 4 1
		26	ldr w2 i 56					0 0 2 0 5 6
		30	1st w2 x0 S n v 31					1 5 6 1 7 7
		32	ldr woi					1 7 4 1 0 0
		34	4 1 3 2					0 0 4 1 3 2
		36						
		40						
		42						
		44						
		46						
		50						
		52						
		54						
		56						
		60						
		62						
		64						
		66						
		70						
		72						
		74						
		76						
Unit		LAM 108 / 116 TESTPROGRAM						
Dwg. No.		RC3500 PROGRAM DESCRIPTION						
		PR340F 51						

A/S REGNECENTRALEN	Designed by 240274 KUEH	Drawn by	Dwg. Office Check	Design Check	Replaces Dwg. No.	due to ECN	Replaced by Dwg. No.	HOP	OCTAL ADDRESS	DESCRIPTION OF CONTENTS		OCTAL CONTENTS
								E 60:	4 2 0 0	ldr w1		1 7 5 0 0 0
									2	3 6 3 4		0 0 3 6 3 4
									4	and w1 i		1 7 5 1 1 2
									6	0 1 4 0 0 0		0 1 4 0 0 0
									10	ldr w1 i		1 7 5 1 2 1
									12	0 1 4 0 0 0	8 DATA - BITS	0 1 4 0 0 0
									14	E 61		0 0 4 2 7 0
									16	ldr w1 i		1 7 5 1 2 1
									20	0 1 0 0 0 0	7 DATA - BITS	0 1 0 0 0 0
									22	E 62		0 0 4 2 6 0
									24	ldr w1 i		1 7 5 1 2 1
									26	0 0 4 0 0 0	6 DATA - BITS	0 0 4 0 0 0
									30	E 63		0 0 4 2 5 0
									32	ldr w1 i		1 7 5 1 6 1
									34	0 0 0 0 0 0	5 DATA - BITS	0 0 0 0 0 0
									36	E 60		0 0 4 2 0 0
									40	ldr w1 i		1 7 5 1 0 0
									42	1 6 0 0 0 0		1 6 0 0 0 0
									44	ldr w1 i		1 7 4 1 0 0
									46	E 64		0 0 4 2 7 2
								E 63:	50	ldr w1 i		1 7 5 1 0 0
									52	1 4 0 0 0 0		1 4 0 0 0 0
									54	ldr w1 i		1 7 4 1 0 0
									56	E 64		0 0 4 2 7 2
								E 62:	60	ldr w1 i		1 7 5 1 0 0
									62	1 0 0 0 0 0		1 0 0 0 0 0
									64	ldr w1 i		1 7 4 1 0 0
									66	E 64		0 0 4 2 7 2
								E 61:	70	ldr w1 i 0		0 0 1 0 0 0
								E 64:	72	ldr w2 i		1 7 6 1 0 0
									74	3 7 0 0		0 0 3 7 0 0
								E 65:	76	str w1 x2 c		1 7 1 4 4 3
Unit									LA 7 108 / 116 TESTPROGRAM			
Dwg. No.									RC3500 PROGRAM DESCRIPTION			
110284									PR350F 51			

A/S REGNECENTRALEN	Designed by 240274 RUEH	Drawn by	Dwg. Office Check	Design Check	Replaces Dwg. No.	due to ECN	Replaced by Dwg. No.	MoP	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
									4 3 0 0	add w1 i + 0	0 4 1 0 0 0
									2	bcwn w2 i	1 7 6 1 6 1
									4	3 7 4 0	0 0 3 7 4 0
									6	E 6 5	0 0 4 2 7 6
									10	ldr w1	1 7 5 0 0 0
									12	3 6 3 4	0 0 3 6 3 4
								E 6 6 :	14	wcc w3 x 3 dev x	1 4 7 6 4 0
									16	add w1 i + 2	0 4 1 0 0 2
									20	bszn w1 i	1 7 5 1 6 6
									22	$6_1 + 12 = 6_1 + 13 = 6_1 + 14 = 0$	0 0 0 0 1 6
									24	E 6 6	0 0 4 3 1 4
									26	ldr w3	1 7 7 0 0 0
									30	4 0	0 0 0 0 4 0
									32	bszn w3 i	1 7 7 1 6 6
									34	0 4 0 0 0 0 (LAM 116)	0 4 0 0 0 0
									36	E 6 7	0 0 4 3 7 2
									40	ldr w1	1 7 5 0 0 0
									42	3 6 3 4	0 0 3 6 3 4
									44	add w1 i 2 0	0 4 1 0 2 0
								E 6 8 :	46	wcc w3 x 3 dev x	1 4 7 6 4 0
									50	add w1 i + 2	0 4 1 0 0 2
									52	bszn w1 i	1 7 5 1 6 6
									54	$6_1 + 11 \dots 14 = 0$	0 0 0 0 3 6
									56	E 6 8	0 0 4 3 4 6
									60	ldr w2 i 0	0 0 2 0 0 0
									62	str w2	1 7 6 0 0 3
									64	3 6 2 2	0 0 3 6 2 2
									66	ldr w0 i	1 7 4 1 0 0
									70	E 6 9	0 0 4 4 0 2
								E 6 7 :	72	ldr w2 i	1 7 6 1 0 0
									74	1 7 7 4 0 0	1 7 7 4 0 0
									76	str w2	1 7 6 0 0 3
Unit											
Dwg. No.									LAM 108 / 116 TEST PROGRAM		
RC3500 PROGRAM DESCRIPTION									PR 360F 51		

HOP		OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
E 69:	4 4 0 0	3 6 2 2		0 0 3 6 2 2
	2	ldr w2 i		1 7 6 1 0 0
	4	5104	START LEVEL 0	0 0 5 1 0 4
	6	1st w2 x 0	E nivo	1 5 6 0 4 0
	10	ldr w0 i		1 7 4 1 0 0
	12	5042		0 0 5 0 4 2
	14	ldr w1		1 7 5 0 0 0
	16	40		0 0 0 0 4 0
	20	lcr w1 x 5		1 6 1 0 4 5
	22	and w1 i 37		0 5 1 0 3 7
	24	ldr w3		1 7 7 0 0 0
	26	4 4 4 2		0 0 4 4 4 2
	30	and w3 i		1 7 7 1 1 2
	32	1 7 7 7 4 0		1 7 7 7 4 0
	34	add w3 x 1 i		1 7 3 3 1 0
	36	str w3		1 7 7 0 0 3
	40	4 4 4 2		0 0 4 4 4 2
	42	1st w2 x 0	E LAM LEVEL	1 5 6 0 4 0
	44	ldr w1 i - 1		0 0 1 1 7 7
	46	wcc w3 x 3 dev x		1 4 7 6 4 0
50	lcr w0 i		1 7 4 1 1 5	
52	4 4 5 0		0 0 4 4 5 0	
54				
56				
E 70:	60	rwc w3 x 3 dev x		1 4 3 6 0 0
	62	str w1		1 7 5 0 0 3
	64	4 4 5 4		0 0 4 4 5 4
	66	and w1 i 1		0 5 1 0 0 1
	70	lcr w1 i		1 7 5 1 6 1
	72	0	WRITE ITR	0 0 0 0 0 0
	74	E 71	READ ITR	0 0 4 5 4 4
76	ldr w2		1 7 6 0 0 0	
Unit		LAM 108/116 TESTPROGRAM		
Dwg. No.		RC3500 PROGRAM DESCRIPTION		PE370F 51

A/S REGNECENTRALEN	Designed by 240274 KUEH	Drawn by	Dwg. Office Check	Design Check	Replaces Dwg. No.	due to ECN	Replaced by Dwg. No.	HOP	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
									4 5 0 0	4 4 5 4	0 0 4 4 5 4
									2	Lsr w2 > 1	1 6 2 0 0 1
									4	and w2 i 17	0 5 2 0 1 7
									6	Ldr w3	1 7 7 0 0 0
									10	4 5 2 6	0 0 4 5 2 6
									12	and w3 i	1 7 7 1 1 2
									14	1 7 7 7 6 0	1 7 7 7 6 0
									16	add w3 x 2 i	1 7 3 5 1 0
									20	str w3	1 7 7 0 0 3
									22	4 5 2 6	0 0 4 5 2 6
									24	Ldr w2 i 1	0 0 2 0 0 1
									26	Lsl w2 < 0	1 6 2 0 6 0
									30	Ldr w2	1 7 6 0 1 3
									32	3 6 0 0	0 0 3 6 0 0
									34	str w2	1 7 6 0 0 3
									36	3 6 0 0	0 0 3 6 0 0
									40	Ldr w0 i	1 7 4 1 0 0
									42	E 7 2	0 0 4 7 2 6
E 7 1 :									44	Ldr w2	1 7 6 0 0 0
									46	4 4 5 4	0 0 4 4 5 4
									50	Lsr w2 > 1	1 6 2 0 0 1
									52	and w2 i 17	0 5 2 0 1 7
									54	Ldr w3	1 7 7 0 0 0
									56	4 5 7 4	0 0 4 5 7 4
									60	and w3 i	1 7 7 1 1 2
									62	1 7 7 7 6 0	1 7 7 7 6 0
									64	add w3 x 2 i	1 7 3 5 1 0
									66	str w3	1 7 7 0 0 3
									70	4 5 7 4	0 0 4 5 7 4
									72	Ldr w1 i 1	0 0 1 0 0 1
									74	Lsl w1 < 0	1 6 1 0 6 0
									76	str w1	1 7 5 0 0 3
Unit								LAM 108 / 116 TESTPROGRAM			
Dwg. No.								RC3500 PROGRAM DESCRIPTION			
F 1200								PE380F 51			

A/S REGNECENTRALEN

Designed by

240274 KUEH

Drawn by

Dwg. Office Check

Design Check

Replaces Dwg. No.

due to ECN

Replaced by Dwg. No.

HOP	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
	4 6 0 0	4 6 1 0	0 0 4 6 1 0
	2	ldr w3	1 7 7 0 0 0
	4	3 6 0 6	0 0 3 6 0 6
	6	bszn w3 i	1 7 7 1 6 6
	10	bit x (CHANNEL	0 0 0 0 0 0
	12	E 7 2 STOPPED ON ERROR)	0 0 4 7 2 6
E 7 6 :	14	ldr w0 i	1 7 4 1 0 0
	16	4 7 5 0	0 0 4 7 5 0
	20	ldr w1	1 7 5 0 0 0
	22	4 4 5 4	0 0 4 4 5 4
	24	and w1 i	1 7 5 1 1 2
	26	1 7 7 7 4 0	1 7 7 7 4 0
	30	ldr w3	1 7 7 0 0 0
	32	3 6 3 4	0 0 3 6 3 4
	34	and w3 i	1 7 7 1 1 2
	36	0 1 4 0 0 0	0 1 4 0 0 0
	40	bew w3 i	1 7 7 1 2 1
	42	0 1 4 0 0 0 8 DATA - BITS	0 1 4 0 0 0
	44	E 7 7	0 0 4 7 1 4
	46	bew w3 i	1 7 7 1 2 1
	50	0 1 0 0 0 0 7 DATA - BITS	0 1 0 0 0 0
	52	E 7 4	0 0 4 7 1 0
	54	bew w3 i	1 7 7 1 2 1
	56	0 0 4 0 0 0 6 DATA - BITS	0 0 4 0 0 0
	60	E 7 5	0 0 4 7 0 0
	62	bew w3 i	1 7 7 1 6 1
	64	0 5 DATA - BITS	0 0 0 0 0 0
	66	4 6 2 4	0 0 4 6 2 4
	70	and w1 i	1 7 5 1 1 0
	72	1 6 0 0 0 0	1 6 0 0 0 0
	74	ldr w0 i	1 7 4 1 0 0
	76	E 7 7	0 0 4 7 1 4
Unit		LAH 108 / 116 TESTPROGRAM.	
Dwg. No.		RC3500 PROGRAM DESCRIPTION	
		PR39 OF 51	

A/S REGNECENTRALEN	Designed by 240274 KUEH	Drawn by	Dwg. Office Check	Design Check	Replaces Dwg. No.	due to ECN	Replaced by Dwg. No.	HOA	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
								E75:	4 7 0 0	add w1 i	1 7 5 1 1 0
									2	1 4 0 0 0 0	1 4 0 0 0 0
									4	ldr w0 i	1 7 4 1 0 0
									6	E 7 7	0 0 4 7 1 4
								E74:	10	add w1 i	1 7 5 1 1 0
									12	1 0 0 0 0 0	1 0 0 0 0 0
								E77:	14	ldr w2	1 7 6 0 0 0
									16	4 4 5 4	0 0 4 4 5 4
									20	and w2 i 3 6	0 5 2 0 3 6
									22	str w1 x 2	1 7 5 4 0 3
									24	4 0 0 0	0 0 4 0 0 0
								E72:	26	ldr w2	1 7 6 1 0 0
									30	4 4 4 4	0 0 4 4 4 4
									32	1st w2 x0 S n1 1	1 5 6 1 4 1
									34	lce w0 i	1 7 4 1 1 5
									36	E 7 0	0 0 4 4 6 0
									40		
									42		
									44		
									46		
									50	ldr w1	1 7 5 0 1 3
									52	3 6 1 4	0 0 3 6 1 4
									54	str w1	1 7 5 0 0 3
									56	3 6 1 4	0 0 3 6 1 4
									60	ldr w0 i	1 7 4 1 0 0
									62	4 6 2 0	0 0 4 6 2 0
									64	str w2	1 7 6 0 0 0
									66	5 1 2 0	0 0 5 1 2 0
									70	ldr w0	1 7 4 1 0 0
									72	5 2 0 2	0 0 5 2 0 2
									74		
									76		
Unit									LAM 108 / 116 TESTPROGRAM		
Dwg. No.									RC3500 PROGRAM DESCRIPTION		
									PE 400F 51		

AGF 1974

A/S REGNECENTRALEN

Designed by

Drawn by

Dwg. Office Check

Design Check

Replaces Dwg. No.

due to ECN

Replaced by Dwg. No.

HOP	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
E 79:	5 1 0 0	40 ₈	0 0 0 0 4 0
	2	E 8 0	0 0 5 0 7 2
	4	ldr w2 i 0	0 0 2 0 0 0
	6	str w2	1 7 6 0 0 3
	10	5116	0 0 5 1 1 6
	12	ldr w0 i	1 7 4 1 0 0
	14	E 8 1	0 0 5 1 2 4
	16	channel no. (REC)	
	20	-11- -11- (TRAN)	
	22	-	
E 81:	24	ldr w2	1 7 6 0 0 0
	26	5116	0 0 5 1 1 6
	30	lgw w2 i 16 ₈	1 0 2 0 1 6
	32	E 8 2	0 0 5 1 5 0
	34	add w2 i 10 ₈	0 4 2 0 1 0
	36	and w2 i 16 ₈	0 5 2 0 1 6
	40	str w2	1 7 6 0 0 3
	42	5120	0 0 5 1 2 0
	44	ldr w0 i	1 7 4 1 0 0
	46	E 8 3	0 0 5 2 0 2
E 82:	50	and w2 i 30 ₈	0 5 2 0 3 0
	52	bew w2 i 30 ₈	1 0 6 0 3 0
	54	E 8 4	0 0 5 1 7 0
	56	ldr w2	1 7 6 0 0 0
	60	5116	0 0 5 1 1 6
	62	add w2 i 10 ₈	0 4 2 0 1 0
	64	ldr w0 i	1 7 4 1 0 0
	66	4764	0 0 4 7 6 4
	70	ldr w2	1 7 6 0 0 0
	72	5116	0 0 5 1 1 6
E 84:	74	sub w2 i 10 ₈	0 4 6 0 1 0
	76	str w2	1 7 6 0 0 3
Unit			
Dwg. No.			
LAM 108 / 116 TESTPROGRAM			
RC 3500 PROGRAM			
P42 GF51			

A/S REGNECENTRALEN		HOP	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
Replaced by Dwg. No. due to ECN Replaces Dwg. No. Design Check Dwg. Office Check Drawn by Designed by	E83 :	5 2 0 0	5 1 2 0		0 0 5 1 2 0
		2	ldr w2		1 7 6 0 0 0
		4	5 1 1 6		0 0 5 1 1 6
		6	Lsr w2 > 1		1 6 2 0 0 1
		10	and w2 i 178		0 5 2 0 1 7
		12	add w2 i		1 7 6 1 1 0
		14	Lsl w1 i < 0		1 6 1 0 6 0
		16	str w2		1 7 6 0 0 3
		20	5 2 2 4		0 0 5 2 2 4
		22	ldr w1 i 1		0 0 1 0 0 1
		24	Lsl w1 i < 0		1 6 1 0 6 0
		26	str w1		1 7 5 0 0 3
		30	5 1 2 2		0 0 5 1 2 2
		32	ldr w2		1 7 6 0 0 0
		34	3 6 0 6		0 0 3 6 0 6
		36	and w2		1 7 6 0 1 2
		40	5 1 2 2		0 0 5 1 2 2
		42	bevn w2 i		1 7 6 1 6 1
		44	0		0 0 0 0 0 0
		46	CHAN. SHIFT		0 0 5 5 6 4
		50	ldr w2		1 7 6 0 0 0
		52	3 6 2 2		0 0 3 6 2 2
		54	and w2		1 7 6 0 1 2
		56	5 1 2 2		0 0 5 1 2 2
		60	bevn w2 i		1 7 6 1 6 1
		62	0		0 0 0 0 0 0
		64	CHAN. SHIFT		0 0 5 5 6 4
		66	ldr w2		1 7 6 0 0 0
		70	3 6 1 4		0 0 3 6 1 4
		72	and w2		1 7 6 0 1 2
		74	5 1 2 2		0 0 5 1 2 2
		76	bevn w2 i 0		1 0 6 0 0 0
Unit		LAM 108 / 116 TESTPROGRAM			
Dwg. No.		RC 3500 PROGRAM			
		P43 OF 51			

A/S REGNECENTRALEN	Designed by	Drawn by	Dwg. Office Check	Design Check	Replaces Dwg. No.	due to ECN	Replaced by Dwg. No.	HOP	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
									5 3 0 0	CHAN. SHIFT	0 0 5 5 6 4
									2	ldr w2	1 7 6 0 0 0
									4	5 1 1 6	0 0 5 1 1 6
									6	ldr w1 x2	1 7 5 4 0 0
									10	3 7 0 0	0 0 3 7 0 0
									12	ldr w3 x2	1 7 7 4 0 0
									14	4 0 0 0	0 0 4 0 0 0
									16	EXOR w3 x1 i	1 7 3 3 1 4
									20	be w n w3 i	1 7 7 1 6 1
									22	0	0 0 0 0 0 0
									24	3 7 5 0	0 0 3 7 5 0
									26	ldr w3 x2	1 7 7 6 0 0
									30	3 7 0 0	0 0 3 7 0 0
									32	add w3 i	1 7 7 1 1 0
									34	4 0 0	0 0 0 4 0 0
									36	be w w3 i	1 7 7 1 2 1
									40	0	0 0 0 0 0 0
									42	E 8 5	0 0 5 5 4 2
									44	str w3 x2	1 7 7 4 0 3
									46	3 7 0 0	0 0 3 7 0 0
									50	str w3 x2	1 7 7 4 0 3
									52	5 0 0 0	0 0 5 0 0 0
									54	ldr w2	1 7 6 0 0 0
									56	5 1 2 0	0 0 5 1 2 0
									60	Lsr w2 > 1	1 6 2 0 4 1
									62	and w2 i 17	0 5 2 0 1 7
									64	add w2 i	1 7 6 1 1 0
									66	lsl w1 < 0	1 6 1 0 6 0
									70	str w2	1 7 6 0 0 3
									72	5 3 7 6	0 0 5 3 7 6
									74	ldr w1 i 1	0 0 1 0 0 1
									76	Lsl w1 < 0	1 6 1 0 6 0
Unit									LAM 108 / 116 TEST PROGRAM		
Dwg. No.									RC 3500 PROGRAM		
									P44 OF 51		

HOP		OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
E86:	5	400	ldr w2	176000
	2		3600	003600
	4		and w2 x1 i	172312
	6		be w2 x1 i	172361
	10		E 86	005400
	12		ldr w0 i	174100
	14		6100	006100
	16			
	20			
	22		STR	
	24			
	26		ldr w1	
	30			
	32			
	34		ldr w2	
	36			
	40		ldr w2	176000
	42		5116	005116
	44		ldr w1 x2	175600
	46		3700	003700
	50		add w1	175010
	52		5120	005120
	54		w w c w3 x3 dev 0	147600
	56		ldr w0 i	174100
	60		CHAN. SHIFT	005564
	E90:	62	ldr w2	176000
		64	5122	005122
		66	add w2	176010
		70	3606	003606
		72	str w2	176003
		74	3606	003606
		76	ldr w2	176000

Unit	LAM 108 / 116 TESTPROGRAM		
Dwg. No.	PC 3500 PROGRAM		P45 OF 51

A/S REGNECENTRALEN		Designed by	Drawn by	Dwg. Office Check	Design Check	Replaces Dwg. No.	due to ECN	Replaced by Dwg. No.	MOF	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
E 85 <												

A/S REGNECENTRALEN		Designed by	Drawn by	Dwg. Office Check	Design Check	Replaces Dwg. No.	due to ECN	Replaced by Dwg. No.
Unit		LAM 108/116 TESTPROGRAM						
Dwg. No.		RC 3500 PROGRAM						P47 OF 51
HOP		OCTAL ADDRESS						OCTAL CONTENTS
5600		5116						005116
2		add w2i + 2						042002
4		and w2i 36g						052036
6		str w2						176003
10		5116						005116
12		ldr woi						174100
14		E81						005124
16		ldr w2						176000
20		3634						003634
22		bsz w2i						176126
24		bit3 = bit 34 = 0						014000
26		E87						005664
30		sub w2i						176111
32		004000						004000
34		str w2						176003
36		3634						003634
40		ldr w2i						176100
42		5706						005706
44		ist w2x0 S niv 31						156177
46		ldr woi						174100
50		5646						005646
52		ldr w2i						176100
54		E60						004200
56		ist w2x0 S niv 31						156177
60		ldr woi						174100
62		5042						005042
64		and w2i						176112
66		0637 40						063740
70		add w2i						176110
72		034000						034000
74		bsz w2i						176126
76		100000						100000

A/S REGNENTRALEN				Replaced by Dwg. No.	due to ECN	Replaces Dwg. No.	Design Check	Dwg. Office Check	Drawn by	Designed by	
Hop		OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS							
		5 7 0 0	E 8 8 (5634)	0 0 5 6 4 0							
		2	ldr woi	1 7 4 1 0 0							
		4	4120	0 0 4 1 2 0							
		6	Ldr w2 i 0	0 0 2 0 0 0							
		10	str w2	1 7 6 0 0 3							
		12	3600	0 0 3 6 0 0							
		14	str w2 i	1 7 6 0 0 3							
		16	3614	0 0 3 6 1 4							
		20	Ldr woi	1 7 4 1 0 0							
		22	E 60	0 0 4 2 0 0							
		24									
		26	ldr w2 i	1 7 6 1 0 0							
		30	5740	0 0 5 7 4 0							
		32	1st w2 x0 5 niv 31	1 5 6 1 7 7							
		34	lce woi	1 7 4 1 1 5							
		36	5734	0 0 5 7 3 4							
		40	ldr woi	1 7 4 1 0 0							
		42	5740 5740 5740	0 0 5 7 4 0							
		44	ldr woi 208	0 0 1 0 2 0							
		46	wat w3x3 devx	1 4 7 6 0 0							
		50	add woi + 2	0 4 1 0 0 2							
		52	bevn woi	1 7 5 1 6 1							
		54	408	0 0 0 0 4 0							
		56	5746	0 0 5 7 4 6							
		60	ldr w2 i	1 7 6 1 0 0							
		62	4460	0 0 4 4 6 0							
		64	ldr woi	1 7 4 1 0 0							
		66	4414	0 0 4 4 1 4							
		70									
		72									
		74									
		76									
Unit		LAM 108 / 116 TESTPROGRAM									
Dwg. No.		RC 3500 PROGRAM				P48 OF 51					

A/S REGNECENTRALEN	Designed by /00074 KVEN	Drawn by	Dwg. Office Check	Design Check	Replaces Dwg. No.	due to ECN	Replaced by Dwg. No.	MoP	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
								Q2	6000	ldr w1 i 42	001042
									2	ldr w2 x1	172200
									4	ldr w3 x2 i	173500
									6	xor w3 x0 i	177114
									10		030000
									12	and w3 x0 i	177112
									14		170000
									16	Q1	006034
									20	and w2 x0 i	176112
									22		777740
									24	add w2 x0 i	176110
									26	Dev. nr.	xx xx xx
								Q1	30	str w2 x1 c	172243
									32	ldr w1 x0 i	175122
									34	6000	006000
									36	Q2	006002
									40	ldr w0 i ldr w1	174100
									42	6222 42	006222
									44	and w1 i 7	051007
									46	ldr w1 i 0	105000
									50	PROG 0	006222
									52	ldr w1 i 1	105001
									54	PROG 1 (Echo Program)	006400
									56	ldr w1 i 2	105002
									60	PROG 2	006660
									62	ldr w0 i	174100
									64	6040	006040
									66		
									70		
									72		
									74		
									76		
Unit									LAM 108 / 116 TESTPROGRAM		
Dwg. No. HA 284									RC3500 PROGRAM DESCRIPTION		
									P 49 OF 51		

A/S REGNENTRALEN

Designed by

100774 KVEN

Drawn by

Dwg. Office Check

Design Check

Replaces Dwg. No.

due to ECN

Replaced by Dwg. No.

HoP	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
	6100	ldr w2 i	176100
	2	6106	006106
	4	1st w2 x0 D nivo	156100
	6	EXOR w1	175014
	10	3600	003600
	12	str w1	175003
	14	3600	003600
	16	ldr w1	175000
	20	5122	005122
	22	EXOR w1	175014
	24	3614	003614
	26	str w1	175003
	30	3614	003614
	32	ldr w2 i	176100
	34	5440	005440
	36	1st w2 x0 E nivo	156040
	40		
	42		
	44		
	46		
	50		
	52		
	54		
	56		
	60		
	62		
	64		
	66		
	70		
	72		
	74		
	76		
Unit			
Dwg. No.		RC3500 PROGRAM DESCRIPTION	P 50 OF 51

BA 214

A/S REGNECENTRALEN	Designed by 100424 KUEA	Drawn by	Dwg. Office Check	Design Check	Replaces Dwg. No.	due to ECN	Replaced by Dwg. No.	HOA	OCTAL ADDRESS	DESCRIPTION OF CONTENTS	OCTAL CONTENTS
									6 2 0 0	ldr wo i	1 7 4 1 0 0
									2	6 2 0 0	0 0 6 2 0 0
									4	ldr wo i ldr wo i	1 7 7 0 0 0
									6	40 35 34	0 0 0 0 4 0
									10	and w3 i 3 7 8	0 5 3 0 3 7
									12	str w3	1 7 7 0 0 3
									14	60 32	0 0 6 0 3 2
									16	ldr wo i	1 7 4 1 0 0
									20	60 0 0	0 0 6 0 0 0
									22	ldr w1 i 0	0 0 1 0 0 0
									24	ldr w2 i 0	0 0 2 0 0 0
									26	str w1 x2 c	1 7 1 4 4 3
									30	be w2 i	1 7 6 1 6 1
									32	40 8	0 0 0 0 4 0
									34	62 26	0 0 6 2 2 6
									36	ldr w2 i	1 7 6 1 0 0
									40	32 0 2	0 0 3 2 0 2
									42	1st w2 x0 E niv 1	1 5 6 0 4 1
									44	ldr w2 i	1 7 6 1 0 0
									46	06 00 0 3	0 6 0 0 0 3
									50	str w2	1 7 6 0 0 3
									52	32 0 0	0 0 3 2 0 0
									54	ldr w2 i 56 8	0 0 2 0 5 6
									56	1st w2 x0 S niv 31	1 5 6 1 7 7
									60	lce wo i	1 7 4 1 1 5
									62	62 60	0 0 6 2 6 0
									64		
									66		
									70		
									72		
									74		
									76		
								Unit			
								Dwg. No.	RC3500 PROGRAM DESCRIPTION		
								17A210			
											P 51 OF 51

RETURN LETTER

Title: Description of a testprogram
to LAM 108/116

RCSL No.: 52-AA284

A/S Regnecentralen af 1979/RC Computer A/S maintains a continual effort to improve the quality and usefulness of its publications. To do this effectively we need user feedback, your critical evaluation of this manual.

Please comment on this manual's completeness, accuracy, organization, usability, and readability:

Do you find errors in this manual? If so, specify by page.

How can this manual be improved?

Other comments?

Name: _____ Title: _____

Company: _____

Address: _____

Date: _____

Thank you