

NORD SOFTWARE LIBRARY DISKETTE

CONTAINING : ND-500 MONITOR
(MULTI-USER)

DIRECTORY NAME : ND-10333B-PART1
USER NAME : FLOPPY-USER

FILE 0 : (ND-10333B-PART1:FLOPPY-USER)SYS-500-MON-B:BPUN#1
FILE 1 : (ND-10333B-PART1:FLOPPY-USER)ND-500-MONITOR-B:BPUN#1

7 JANUARY 1982

NORD SOFTWARE LIBRARY DISKETTE

CONTAINING : ND-500 MONITOR
(MULTI-USER)

DIRECTORY NAME : ND-10333B-PART2
USER NAME : FLOPPY-USER

FILE 0 : (ND-10333B-PART2:FLOPPY-USER)SWAPPER-B:PSEG;1
FILE 1 : (ND-10333B-PART2:FLOPPY-USER)SWAPPER-B:DSEG;1

7 JANUARY 1982

PROGRAM	NAME	PROGRAM NUMBER
	ND-500-MONITOR	203163B
		PART OF ND-NUMBER
		10333B
ISSUED	DATE 82.01.20	BY (INIT.) OLI
		SSR NUMBER: MON-1
REASON	. INFORMATION	. MODIFICATION
		X ERROR
SUBJECT	ND-500-MONITOR	

DESCRIPTION, ACTION, PATCHES

THIS MODE FILE USE FMAC TO PATCH ON THE FILE

ND-500-MONITOR:BPUN

THIS FILE MUST BE DUMPED REENTRANT BEFORE THE MODIFICATIONS
WILL BE ACTIVE

§FMAC

)9READ ND-500-MONITOR:BPUN

ENDFI=177777

% LAST ADDRESS ON THE FILE

PLACE or RECOVER on domains with logical segment number
zero fails.

23653/ 124001 % old: 125164

SET-SYSTEM-PARAMETERS

The setting of the system parameter MAXIMAL-PAGES-FIXED fails

35030/ LDA ,B -133 % old: 24644
*/ COPY SB DX % old: 146115
*/ AAX -163 % old: 50607
*/ LDT ,B -171 % old: 146137
*/ RADD ST DX % old: 173611
*/ STA X, 0 % old: 173404
*/ AAT -4 % old: 146067
*/ SKP DT EQL % old: 6000
*/ STA X, 1 % old: 124356
*/ JMP * -23 % old: 124053

125161/ 31061 % UPDATE THE DATE STRING

)9EXIT

§CONT

)9ASSM 1,0,(UTIL)ND-500-MONITOR:BPUN

0<ENDFI

)BPUN ZRO

)9EXIT

! PRODUCT	! NAME	! PROGRAM-NUMBER
	ND-500-MONITOR	203165B
		! PART OF ND-NUMBER
		10333B
! ISSUED	! DATE 82.02.25	! BY (INIT.) OLI
		! SSR NUMBER: MON-2B
! REASON	! . INFORMATION	! . MODIFICATION
		! X ERROR
! SUBJECT	! Error in the ND-500-MONITOR's SWAPPER.	

DESCRIPTION :

When expanding indexed files very much by accessing them from the ND-500, the ND-500 system may crash and give the error message:

```
*** FATAL SYSTEM ERROR ***
THE SWAPPER STOPPED
PROTECT VIOLATION
```

```
$FMAC
SWAPPER:PSEG
```

```
2000/100300          % OLD: 100117
  */ 40010          % OLD: 142010
```

```
)9EXIT
```

TO GET THE PATCH EFFECTIVE THE SWAPPER MUST BE RELOADED BY MEANS OF RESTARTING THE ND-500.

! NORSK DATA A/S		! NORD SOFTWARE LIBRARY		! PAGE 1 OF 1	
		! SOFTWARE SYSTEM REPORT			
! PRODUCT	! NAME			! PROGRAM-NUMBER	
	! ND-500-MONITOR			! 203165B	
				! PART OF ND-NUMBER	
				! 10333B	
! ISSUED	! DATE 82.01.20	! BY (INIT.) OLI			
			! SSR NUMBER: MON-3		
! REASON	! . INFORMATION	! . MODIFICATION	! X ERROR		
! SUBJECT	! Error in the ND-500-MONITOR's SWAPPER.				

DESCRIPTION :

When a process accesses files via segments and gets the error NO MORE PAGES FOR THIS USER the system crashes and gives the error message:

```
*** FATAL SYSTEM ERROR ***
FATAL ERROR FROM SWAPPER
ERROR CODE 50B
```

```
$FMAC
SWAPPER:PSEG
```

```
5615/11003          % OLD: 11306
  */ 1430           % OLD: 22030
```

```
)9EXIT
```

TO GET THE PATCH EFFECTIVE THE SWAPPER MUST BE RELOADED BY MEANS OF RESTARTING THE ND-500.

PRODUCT	NAME	PROGRAM-NUMBER
	ND-500 MONITOR	203165B
		PART OF ND-NUMBER
		10333B
ISSUED	DATE 82.02.02	BY (INIT.) OLI
		SSR NUMBER: MON-4
REASON	. INFORMATION	. MODIFICATION
		X ERROR
SUBJECT	Error in the ND-500 MONITOR Swapper.	

DESCRIPTION :

Expanding single indexed files to double indexed files when accessing them as segment fails.

PATCH:

3FMAC

SWAPPER:PSEG

15317/	42112	3 OLD: 134137
*/	142723	3 OLD: 0
*/	133774	3 OLD: 44
*/	13105	3 OLD: 14105
*/	707	3 OLD: 4504
*/	151472	3 OLD: 176520
*/	14105	3 OLD: 150720
*/	176751	3 OLD: 50304
*/	101436	3 OLD: 4000
*/	1055	3 OLD: 50414
*/	707	3 OLD: 176020
*/	151455	3 OLD: 43154
*/	176026	3 OLD: 4374
*/	43715	3 OLD: 55340
*/	1000	3 OLD: 4002
*/	154723	3 OLD: 7210
*/	22701	3 OLD: 5311
*/	151630	3 OLD: 1375

2144/	3301	3 OLD: 3104
*/	26325	3 OLD: 45305

)9EXIT

PRODUCT	NAME	PART OF ND-NUMBER
	ND-500-MONITOR	10333B
	SYS-500-MON	PROGRAM NUMBER 203164B
ISSUED	DATE 82.02.26	BY (INIT.) HKD
		SSR NUMBER: MON-5B
REASON	. INFORMATION	. MODIFICATION
		X ERROR
SUBJECT	'FILE ALREADY OPEN' against ':PSEG' and ':DSEG' files.	

DESCRIPTION :

The MONITOR does not release (close) the 'PSEG' and 'DSEG' files of a standard domain in the 'DELETE-STANDARD-DOMAIN' comand.

§FMAC

)9READ (BPUN-FILES)SYS-500-MON-B:BPUN

EN500=173531

166136/	STA ,B -173	% OLD: 175305
*/	JMP I *1	% OLD: 124003
*/	EN500	% OLD: 175265
166165/	LDA ,B -173	% OLD: 46003

EN500/ BSKP ONE 100 DA
JMP I (166142
BSKP ONE 60 DA
JMP I (166145
JMP I (166142

)FILL
)KILL EN500; EN500=*; EN500:
173530/EN500

)9EXIT
§CONTINUE

)9ASSM 1,0,(BPUN-FILES)SYS-500-MON-B:BPUN
110000<EN500
)BPUN ZRO
)9EXIT

TO GET THE PATCH EFFECTIVE THE SYS-500-MON MUST BE RELOADED BY MEANS OF LOADING IT TO SEGMENT 31 AND RESTART THE ND-500.

PRODUCT	NAME	PART OF ND-NUMBER
	ND-500-MONITOR	10333B
	SYS-500-MON	PROGRAM NUMBER 203164B
ISSUED	DATE 82.02.26	BY (INIT.) HKD
		SSR NUMBER: MON-6B
REASON	. INFORMATION	. MODIFICATION
		X ERROR
SUBJECT	'ERRCODE : 44B' from 'SWAPPER'	

DESCRIPTION :

This error can occur when placing erroneous domains. 'FORGET PROCESS MESSAGE' should not be sent on exit, unless the domain was correctly placed.

\$FMAC

)9READ (BPUN-FILES)SYS-500-MON-B:BPUN

173530/EN500=^

166074/ JMP I *1
*/ EN500

% OLD: 135132
% OLD: 124135

EN500/ LDT ,B 25
SKP IF DT UEQ 0
JMP I (166076
STZ ,B 25
JPL I (140460
JMP I (166232
JMP I (166076

)FILL

)KILL EN500; EN500=*; EN500:

PRODUCT	NAME	ND-NUMBER
	ND-500-MONITOR	10333B

170430/ JMP I *1 % OLD: 135023
*/ EN500 % OLD: 124003

EN500/ SAT 1
STT ,B 25
JPL I (140460
JMP I (170434
JMP I (170432

)FILL

)KILL EN500; EN500=*; EN500:

173530/EN500

)9EXIT

\$CONTINUE

)9ASSM 1,0,(BPUN-FILES)SYS-500-MON-B:BPUN

110000<EN500

)BPUN ZRO

)9EXIT

TO MAKE THE PATCH EFFECTIVE THE SYS-500-MON MUST BE RELOADED BY MEANS OF READING IT TO SEGMENT 31 AND RESTART THE ND-500.

! PRODUCT	! NAME	! PART OF ND-NUMBER
	ND-500-MON-B	10333B
	SYS-500-MON	PROGRAM NUMBER 203164B
! ISSUED	! DATE 82.02.26	! BY (INIT.) HKD
		! SSR NUMBER: MON-7B
! REASON	! . INFORMATION	! . MODIFICATION
		! X ERROR
! SUBJECT	! UNKNOWN ERROR NUMBER: 107700B	

DESCRIPTION :

The error code is destroyed before it is returned to the ND-500-MON-B.
It should be saved and correctly returned.

§FMAC

)9READ (BPUN-FILES)SYS-500-MON-B:BPUN

173530/EN500=^

142126/	STA ,B -103	% OLD: 146106
*/	SAT 0	% OLD: 135436
*/	JPL I ,B 36	% OLD: 144400
*/	JMP *1	% OLD: 171006
*/	SAT 6	% OLD: 135436
*/	JMP I *1	% OLD: 144400
*/	EN500	% OLD: 124014

EN500/ JPL I ,B 36
JMP *1
LDA ,B -103
JMP I *1
142150

)FILL

)KILL EN500; EN500=*; EN500:

173530/EN500

)9EXIT

§CONTINUE

)9ASSM 1,0,(BPUN-FILES)SYS-500-MON-B:BPUN

110000<EN500

)BPUN ZRO

)9EXIT

TO GET THE PATCH EFFECTIVE THE SYS-500-MON MUST BE RELOADED BY MEANS OF
LOADING IT TO SEGMENT 31 AND RESTART THE ND-500.

PRODUCT	NAME	PART OF ND-NUMBER
	ND-500-MONITOR	10333B
	SYS-500-MON	PROGRAM NUMBER 203164B
ISSUED	DATE 82.02.26	BY (INIT.) HKD
		SSR NUMBER: MON-8C
REASON	. INFORMATION	. MODIFICATION
		X ERROR
SUBJECT	'NO FILE OPENED WITH THIS NUMBER' in MON 'FSCNT'	

DESCRIPTION :

Impossible to find the open file number and the logical segment number when connecting a contiguous file with direct access as a segment.

§FMAC

)9READ (BPUN-FILES)SYS-500-MON-B:BPUN

173530/EN500=^

112641/ JPL I *1
*/ EN500

% OLD: 52000
% OLD: 44675

EN500/ LDA ,X 0
AND (1777
COPY SA DT
LDA ,X 0
SHA ZIN SHR 12
AND (37
STA ,B -102
LDA ,B -103
EXIT AD1

)FILL

)KILL EN500; EN500=*; EN500:

173530/EN500

)9EXIT

§CONTINUE

)9ASSM 1,0,(BPUN-FILES)SYS-500-MON-B:BPUN

110000<EN500

)BPUN ZRO

)9EXIT

TO MAKE THE PATCH EFFECTIVE THE SYS-500-MON MUST BE RELOADED BY MEANS OF READING IT TO SEGMENT 31 AND RESTART THE ND-500.

PRODUCT	NAME	PART OF ND-NUMBER
	ND-500-MONITOR	10333B
	SYS-500-MON	PROGRAM NUMBER 203164B
ISSUED	DATE 82.02.26	BY (INIT.) HKD
		SSR NUMBER: MON-9B
REASON	. INFORMATION	. MODIFICATION
		X ERROR
SUBJECT	System hanging in file transfer.	

DESCRIPTION :

Only one process in ND-500 is doing (or has done) file transfer. Other processes are waiting for (a semaphore.) this process to terminate. The 'file transfer semaphore' must be released on error return from the swapper.

§FMAC

)9READ (BPUN-FILES)SYS-500-MON-B:BPUN

173530/EN500=^

136231/ JMP I *1 % OLD: 4675
*/ EN500 % OLD: 124376

EN500/ STA -103,B
SAT 3
JPL I 36,B
JMP *1
JMP I (136227

)FILL

)KILL EN500; EN500=*; EN500:
173530/EN500

)9EXIT

§CONTINUE

)9ASSM 1,0,(BPUN-FILES)SYS-500-MON-B:BPUN

110000<EN500

)BPUN ZRO

)9EXIT

TO GET THE PATCH EFFECTIVE THE SYS-500-MON MUST BE RELOADED BY MEANS OF LOADING IT TO SEGMENT 31 AND RESTART THE ND-500.

! NORSK DATA A/S		! NORD SOFTWARE LIBRARY		! PAGE 1 OF 1	
		! SOFTWARE SYSTEM REPORT			
! PRODUCT	! NAME			! PART OF ND-NUMBER	
	ND-500-MONITOR			10333B	
				! PROGRAM NUMBER	
	SYS-500-MON			203164B	
! ISSUED	! DATE 82.02.26	! BY (INIT.) HKD	! SSR NUMBER: MON-10B		
! REASON	! . INFORMATION	! . MODIFICATION	! X ERROR		
! SUBJECT	! Sintran III crash in RFILE/WFILE or MAGTP from ND-500				

DESCRIPTION :
Sintran III will crash when a file transfer from ND-500 to a non-indexed ND-500 segment. The memory map element link of the Sintran III transfer segment is not correctly terminated. It should be zeroed.

§FMAC

```

)9READ (BPUN-FILES)SYS-500-MON-B:BPUN
173530/EN500=^
135373/ EN500 % OLD: 135574
EN500/ COPY SA DX
LDT I (177
143305
JMP I (135574
)FILL
)KILL EN500; EN500=*; EN500:
173530/EN500
)9EXIT
§CONTINUE
)9ASSM 1,0,(BPUN-FILES)SYS-500-MON-B:BPUN
110000<EN500
)BPUN ZRO
)9EXIT

```

TO GET THE PATCH EFFECTIVE THE SYS-500-MON MUST BE RELOADED BY MEANS OF LOADING IT TO SEGMENT 31 AND RESTART THE ND-500.

! NORSK DATA A/S		! NORD SOFTWARE LIBRARY		! PAGE 1 OF 1	
		! SOFTWARE SYSTEM REPORT			
! PRODUCT	! NAME			! PART OF ND-NUMBER	
	ND-500-MONITOR			10333B	
				! PROGRAM NUMBER	
	SWAPPER PROGRAM			203165B	
! ISSUED	! DATE 82.02.15	! BY (INIT.) OLI	! SSR NUMBER: MON-11		
! REASON	! . INFORMATION	! . MODIFICATION	! X ERROR		
! SUBJECT	! Error message 'ERROR IN MONITOR CALL'				

DESCRIPTION :

'ERROR IN MONITOR CALL' occurs when executing disc or magtape monitor calls. 'NUMBER OF PAGES FIXED' counter in swapper is wrong. Remove one unnessesary statement in the swapper code.

§FMAC
SWAPPER:PSEG

12402/ 700 % OLD: 706

)9EXIT

TO GET THE PATCH EFFECTIVE THE SWAPPER MUST BE RELOADED BY MEANS OF RESTARTING THE ND-500.

PRODUCT	NAME			PART OF ND-NUMBER
	ND-500-MONITOR			10333B
	SYS-500-MON			PROGRAM NUMBER
				203164B
ISSUED	DATE 82.02.26	BY (INIT.) HKD	SSR NUMBER: MON-12	
REASON	. INFORMATION	. MODIFICATION	X ERROR	
SUBJECT	Corrupt segment table in ND-500-MONINTOR			

DESCRIPTION :

Corrupt segment table in ND-500-MONITOR and possibly the error message:

*** FATAL SYSTEM ERROR ***

THE SWAPPER STOPPED

ERROR CODE: 44B

when placing standard domain. Reason is that segment capability is stored in a wrong table.

\$FMAC

)9READ (BPUN-FILES)SYS-500-MON-B:BPUN

173530/EN500=^

172713/ 165374

% OLD: 000000

)9EXIT

\$CONTINUE

)9ASSM 1,0,(BPUN-FILES)SYS-500-MON-B:BPUN

110000<EN500

)BPUN ZRO

)9EXIT

TO MAKE THE PATCH EFFECTIVE THE SYS-500-MON MUST BE RELOADED BY MEANS OF READING IT TO SEGMENT 31 IN THE RT-LOADER AND RESTART THE ND-500.

PRODUCT	NAME	PART OF ND-NUMBER
	ND-500-MONITOR	10333B
	SYS-500-MON	PROGRAM NUMBER 203164B
ISSUED	DATE 82.02.22	BY (INIT.) HKD
		SSR NUMBER: MON-13
REASON	. INFORMATION	. MODIFICATION
		X ERROR
SUBJECT	Error message ERROR IN MONITOR CALL in ND-500-MONITOR	

DESCRIPTION :
ERROR IN MONITOR CALL when using RFILE,WFILE or MAGTP The pages fixed by the monitor are not always unfixed when it is required.

§FMAC

)9READ (BPUN-FILES)SYS-500-MON-B:BPUN

173530/EN500= ^

136177/ JPL I *1 % OLD: 54707
* / EN500 % OLD: 46056

EN500/ STA 24,B
 LDX -71,B
 LDA 56,X
 EXIT AD1

)FILL
)KILL EN500; EN500=*; EN500:
173530/EN500
)9EXIT
§CONTINUE

)9ASSM 1,0,(BPUN-FILES)SYS-500-MON-B:BPUN
110000<EN500
)BPUN ZRO
)9EXIT

TO MAKE THE PATCH EFFECTIVE THE SYS-500-MON MUST BE RELOADED BY MEANS OF READING IT TO SEGMENT 31 IN THE RT-LOADER AND RESTART THE ND-500.

PRODUCT	NAME	ND-500-MONITOR		PART OF ND-NUMBER	10333B
		SYS-500-MON		PROGRAM NUMBER	203164B
ISSUED	DATE	82.02.22	BY (INIT.)	HKD	SSR NUMBER: MON-14
REASON	. INFORMATION	. MODIFICATION		X ERROR	
SUBJECT	Error in unfixing contiguous memory				

DESCRIPTION :

Error in fixing memory for direct transfer in RFILE/WFILE OR MAGTF
Illegal unfix type in message to swapper.

\$FMAC

)9READ (BPUN-FILES)SYS-500-MON-B:BPUN

173530/EN500=^

112122/ LDT ,X % old: 002000
112127/ STZ ,X % old: 046000
*/ BSKP ONE 140 DT % old: 175345

)9EXIT

\$CONTINUE

)9ASSM 1,0,(BPUN-FILES)SYS-500-MON-B:BPUN

110000<EN500

)BPUN ZRO

)9EXIT

TO MAKE THE PATCH EFFECTIVE THE SYS-500-MON MUST BE RELOADED BY MEANS
OF READING IT TO SEGMENT 31 IN THE RT-LOADER AND RESTART THE ND-500.

PRODUCT	NAME	ND-500-MONITOR		PART OF ND-NUMBER	10333B
				PROGRAM NUMBER	203163B
ISSUED	DATE 82.03.01	BY (INIT.)	OLI	SSR NUMBER:	MON-15
REASON	. INFORMATION	. MODIFICATION		X ERROR	
SUBJECT	Error in the ND-500-MONITOR				

DESCRIPTION :

Error in ND-500-MONITOR command DEFINE-STANDARD-DOMAIN. Program segments with numbers higher than 14 are skipped in the definition, because they are treated as signed.

§FMAC

)9READ (BPUN-FILES)ND-500-MONITOR-B:BPUN

25346/ 156065

% old: 154065

)9EXIT

§CONTINUE

)9ASSM 1,0,(BPUN-FILES)ND-500-MONITOR-B:BPUN

0<177777

)BPUN ZRO

)9EXIT

TO MAKE THE PATCH EFFECTIVE THE ND-500-MONITOR MUST BE DELETED AS A REENTRANT SUBSYSTEM AN DUMPED AGAIN.

PRODUCT	NAME	PART OF ND-NUMBER
	ND-500-MONITOR	10333B
	SYS-500-MON	PROGRAM NUMBER 203164B
ISSUED	DATE 82.03.01	BY (INIT.) HKD
		SSR NUMBER: MON-16B
REASON	. INFORMATION	. MODIFICATION
		X ERROR
SUBJECT	Error in the ND-500-MONITOR's SYS-500-MON.	

DESCRIPTION :

Possibly OUTSIDE-SEGMENT-BOUNDS when using the commands \$ABORT-BATCH/JOB and the batch process is using the ND-500-MONITOR.

\$FMAC

)9READ (BPUN-FILES)SYS-500-MON-B:BPUN

173530/EN500=

142711/	JAZ *106	% OLD: 131105
143015/	JMP I *1	% OLD: 124005
*/	LABEL	% OLD: 045014
*/	JMP I *1	% OLD: 172777
*/	EN500	% OLD: 054507

```
EN500/  LDA I (100001
        AAA -1
        STA I (100006
LABEL,  LDA 15,X
        LDX -70,B
        STA 20,X
        LDA 16,B
        STA 25,X
        LDA 17,B
        STA 24,X
        JMP I (143022
```

)FILL

)KILL EN500; EN500=*; EN500:

173530/EN500

)9EXIT

\$CONTINUE

)9ASSM 1,0,(BPUN-FILES)SYS-500-MON-B:BPUN

110000<EN500

)BPUN ZRO

)9EXIT

TO MAKE THE PATCH EFFECTIVE THE SYS-500-MON MUST BE RELOADED BY MEANS OF READING IT TO SEGMENT 31 IN THE RT-LOADER AND RESTART THE ND-500.

PRODUCT	NAME	PART OF ND-NUMBER
	ND-500-MONITOR	10333B
	SWAPPER PROGRAM	PROGRAM NUMBER 203165B
ISSUED	DATE 82.03.01	BY (INIT.) OLI
		SSR NUMBER: MON-17
REASON	. INFORMATION	. MODIFICATION
		X ERROR
SUBJECT	Error in the ND-500-MONITOR's SWAPPER.	

DESCRIPTION :

Disk or magtape I/O does not work properly. With AUTOMATIC-ERROR-MESSAGE ON, the error message ERROR IN MONITOR CALL is issued. The variable NOOF_FIX of the swapper, containing number of pages fixed is corrupt.

§FMAC

SWAPPER:PSEG

15341/	176735	% old: 050322
*/	100434	% old: 150555
*/	176751	% old: 146544
	100435	
	1465	
	307	
	173035	
	47304	
	4000	
	50422	
	140766	
	12116	
	142010	
	121	
	11301	
	173463	
13207/	142410	% old: 142004
*/	145403	% old: 47525
13304/	11300	% old: 11374
*/	6112	% old: 34512
12763/	140411	% old: 176735
*/	156034	% old: 100434

)9EXIT

TO MAKE THE PATCH EFFECTIVE THE SWAPPER MUST BE RELOADED BY MEANS OF RESTARTING THE ND-500.

PRODUCT	NAME	ND-NUMBER	CATEGORY
	ND-500 MONITOR	10333B	P
		ND-NUMBER FOR SOURCE	
		10349B	
ISSUED	DATE 82.01.04	BY (INITIALS)	HKD/OLI
COMPUTERS	. 10 ! . 12 ! . 50 ! X 100!	. 500!!
INSTR.SET	. 48 BIT FL.!	. 32 BIT FL.!	. COMMERCIAL!
OP.SYSTEM	X SIN III VS!	. SIN III RT!	. ALONE !!
DOCUMENTATION	NUMBER: ND 60.136.03		
	TITLE: ND-500 LOADER/MONITOR		
PURPOSE	CONTROL OF ND-500 PROCESSES UNDER SINTRAN III		
PROGRAMS (FILES)	PROG.NUMB.	NAME	TYPE CONTAINING
	203163B	ND-500-MONITOR	BPUN SUBSYSTEM PART
	203164B	SYS-500-MON	BPUN SYSTEM PART OF MONITOR
	203165B	SWAPPER	PSEG PROGRAM SEGMENT OF THE SWAPPER
	203166B	SWAPPER	DSEG DATA SEGMENT OF THE SWAPPER

LOADING/OPERATING PROCEDURE, USE

INSTALLATION OF THE SYSTEM PART:

```
@RT-LOADER
*READ-BINARY SYS-500-MON 31
*YES
*EXIT
```

THE SEGMENT NUMBER (31) IS VALID FOR VERSION F AND G OF SINTRAN III

```
INSTALLATION OF THE SUBSYSTEM PART
@PLACE-BINARY ND-500-MONITOR
@DUMP ND-500-MONITOR 11 11
```

OR

```
@DUMP-REENTRANT ND-500-MONITOR 11 11 ND-500-MONITOR
```

INSTALLATION OF THE SWAPPER

```
@COPY-FILE (SYSTEM) SWAPPER:PSEG (.....) SWAPPER:PSEG
@COPY-FILE (SYSTEM) SWAPPER:DSEG (.....) SWAPPER:DSEG
```

! NORSK DATA A/S		! NORD SOFTWARE LIBRARY		! PAGE 1 OF 1	
		! REVISION LOG			
! PRODUCT	! NAME	! ND-NUMBER			
	! ND-500 MONITOR (MULTI-USER)	! 10333 B			
! ISSUED	! DATE 82.01.04	! BY (INITIALS) HKD/OLI			
! REASON	! X ERROR CORRECTION	! . DIFFERENT ENVIRONMENT			
	! X CHANGE/ADDITION	!			
! FILES	! PROG.NUMB.	! NAME			
! CHANGED	! 203163B	! ND-500-MONITOR-B:BPUN			
! OR NEW	! 203164B	! SYS-500-MON-B:BPUN			
! FILES	! 203165B	! SWAPPER-B:PSEG			
	! 203166B	! SWAPPER-B:DSEG			

CHANGES

ND-500 MONITOR MULTI-SEGMENT VERSION.