

WITH REPORT WRITER

MODEL NUMBER 3915

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The purpose of the product release notice is to provide you with specific product information which is not available in the product manuals. A piece of information may be repeated in more than one release notice if the appropriate manual revision is not yet available.

Between revisions of the product, periodic updates to the product may be issued. The purpose of an update is to provide a level of corrections to the product that does not require a release of the complete product (which is what distinguishes a release from an update). An update usually consists of a patch file on machine-readable media and a printed update notice. We recommend that the release notice and its subsequent update notices be filed and referenced so that the current state of the product can be maintained.

A release of the product consists of two major parts, as defined below:

Part description -----	Part number -----
1. AOS/VS SORT W/REPORT WRITER REV 3.10 RELEASE NOTICE	085-000132-03
2. AOS/VS SORT W/REPORT WRITER REV 3.10 RELEASE MEDIA	071-000426-03

An update also consists of two parts; namely, the update notice and the update media. The part numbers that pertain to the update media are listed on the update notice.

Included in this release notice are:

1. Summary
2. Product Organization
 - a. Software
 - b. Documentation
3. Environment
4. Enhancements
5. Fixes
6. Notes and Warnings
7. Documentation Changes

1. SUMMARY

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Release of utility revision 3.10 to AOS/VS Sort/Merge with
Report Writer customers.

2. PRODUCT ORGANIZATION

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a. AOS/VS SORT/MERGE WITH REPORT WRITER

Model number 3915H MAG TAPE 1600 BPI

Part number 071-000426-03

File #	Contents	Description
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0	UTIL: SORT.<CLI PR>	SORT
	UTIL: SORT_INIT.<PR OL ST>	
	UTIL: SORT32.<PR ST>	
	UTIL: MERGE.<CLI PR>	MERGE
	UTIL: FILTER.<CLI PR>	FILTER
	UTIL: SORTERMES.<SR OB>	SORT ERROR MESSAGES
	UTIL: RWCHECK16.<PR OL ST>	REPORT FORMAT UTILITY
	UTIL: SORT_RW.<PR OL ST>	REPORT GENERATOR
	UTIL: QRYERMES.<SR OB>	REPORT ERROR MESSAGES
	UTIL: VSSORT0310RW.RN	RELEASE NOTICE
	UTIL: 093_000155_01	DOCUMENTATION UPDATE

HELP: FILTER.AOS_DECLARATIONS HELP FILES
 HELP: FILTER.COMMAND_FILE
 HELP: FILTER.COMPRESS
 HELP: FILTER.DIRECTIVE_GROUP
 HELP: FILTER.GLOBAL_SWITCHES
 HELP: FILTER.IF_CONDITION
 HELP: FILTER.IMPERATIVES
 HELP: FILTER.INFOFOS_INPUT_FILE
 HELP: FILTER.INFOFOS_OUTPUT_FILE
 HELP: FILTER.INSERT
 HELP: FILTER.KEY_DECLARATION
 HELP: FILTER.LOCATION_PHRASE
 HELP: FILTER.OVERVIEW
 HELP: FILTER.PAD
 HELP: FILTER.RECORD_TYPES
 HELP: FILTER.REFORMAT
 HELP: FILTER.REPLACE
 HELP: FILTER.REPORT_WRITER
 HELP: FILTER.SORT_MERGE_FILTER
 HELP: FILTER.TABLE_DECLARATION
 HELP: FILTER.TRANSLATE
 HELP: FILTER.WORK_FILE

b. Documentation

093-000155-01 AOS SORT/MERGE USERS MANUAL
 085-000132-03 AOS/VS SORT/MERGE WITH REPORT WRITER RELEASE
 NOTICE

3. ENVIRONMENT

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- a. AOS/VS Sort/Merge with Report Writer requires an MV/series ECLIPSE with AOS/VS revision 1.00 or later operating system and utilities. For some applications it requires AOS/VS INFOS revision 1.30 or later.
- b. To properly install Sort/Merge:
 - 1) DIR to the root (:) directory and LOAD/V/R the files on @MTBx:0, where x is the unit number the release tape is mounted on. The Sort/Merge/Filter utility files will be loaded into the :UTIL directory and the assorted help files will be loaded into the :HELP directory.
 - 3) Incorporate the sort error messages into the system ERMES file by executing the :UTIL:LINK_ERMES.CLI macro. This produces a new ERMES file in :UTIL. (First make sure that SORTERMES.OB and QRYERMES.OB are referenced by the LINK_ERMES macro). MOVE/V/R the ERMES file produced to the root directory, then logoff/logon or chain to a new CLI in order to inspect the error messages. Try "MES 37001", which should respond "FROM INITIALIZATION PHASE". Also try "MES 34144" which should respond "Report Writer error message area"

4. ENHANCEMENTS

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- a. Many new Report Writer features have been added. They include:
 - Hierarchical BREAK
 - PRE-BREAK lines
 - Record and page number predefined data items

5. FIXES
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This revision contains fixes for all problems reported since revision 3.00.

- a. A problem where data would be not written into the file declared by the first IF (condition) SKIP "filename". statement has been fixed.
- b. Input sequential filenames will be accepted from the command line.
- c. A problem which prevented sequential input to INFOS output file processing has been fixed.
- d. /S switch now suppresses the "N PAGE(S) WRITTEN TO LIST FILE" statistic.
- e. (RWCHECK) A problem in generating sample page fields for data in internal binary format has been fixed.

6. NOTES/WARNINGS

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- a. With inversions the minimum and maximum record lengths include INFOS feedback characters of 4 bytes.
- b. Transferring data from one subindex of an INFOS file into the same subindex may result in a 'user loop' if the keys are placed 'after' the current position (later key sequence) of the input process. Some alternatives are:
 - 1. Use IF statements to eliminate using output records as input.
 - 2. Doing the operation in two stages: INFOS -> sequential file, then sequential file -> INFOS.
- c. INFOS files are opened non-exclusively. This will allow sorts to be run simultaneously with other users who are accessing the same INFOS file. Be careful that other users do not interfere with the current position which the sort maintains. Multiple users accessing the same subindex might cause the sort to loop or to return invalid results.
- d. The sorting of input records to be written to an INFOS file is not cost-effective: the extra overhead in INFOS to insert data in a subindex randomly is usually less than the time involved in the sorting process. Better still, if you are doing a load of an empty subindex, use the INFOS fast subindex load utility IXLOAD.
- e. The ASCII_TO_EBCDIC translate table supplied with Sort/Merge is designed for graphic compatibility between ASCII and IBM EBCDIC character display devices. For those who desire Hollerith compatibility for translating zero-with-overpunch characters, apply the following patch to file SORT_INIT.PR

Location	old -Contents-	new
ASCEB+76	124613	124700
ASCEB+77	065233	065320

- f. Maximum record lengths accepted by AOS/VS Sort/Merge:

Sequential files:	
fixed	32767
data sensitive	32767
aos variable	9995
All INFOS files:	4088

N.B. To maintain compatibility with AOS Sort/Merge, do not use record or block sizes greater than 8192 bytes.

g. We recommend the use of a command line of the form

X/M SORT/C=@INPUT... rather than X/M SORT/C...

when reading the command file from a temporary file built by a CLI macro. Strictly speaking, the simple /C switch implies that SORT may conduct an interactive dialogue with a terminal, asking questions to be answered by the user. Such is not the case when reading from the macro input file.

7. DOCUMENTATION CHANGES

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Please see the file :UTIL:093_000155_01 for all documentation changes.

* END OF RELEASE NOTICE *