**=======================================================================CONVERT**

**CONVERT**

**PROGRAM CONVERT CONVERT**

**=============== CONVERT**

**VERSION 75-1 (APRIL 1975) CONVERT**

**VERSION 78-1 (JANUARY 1978) CONVERT**

**VERSION 80-1 (AUGUST 1980) IBM VERSION CONVERT**

**VERSION 80-2 (DECEMBER 1980) CONVERT**

**VERSION 82-1 (JANUARY 1982) CONVERT**

**VERSION 83-1 (JANUARY 1983) CONVERT**

**VERSION 86-1 (JANUARY 1986)\*NEW PROGRAM CONVERT**

**\*FORTRAN-77/H VERSION CONVERT**

**\*MULTIPLE INPUT OPTIONS CONVERT**

**VERSION 88-1 (AUGUST 1988) \*OPTION...INTERNALLY DEFINE ALL I/O CONVERT**

**FILE NAMES (SEE, SUBROUTINE FILEIO CONVERT**

**FOR DETAILS). CONVERT**

**\*IMPROVED BASED ON USER COMMENTS. CONVERT**

**\*ADDED NAMES OPTION TO TURN ON/OFF CONVERT**

**STANDARD FILE NAMES. CONVERT**

**\*ADDED REWIND OPTION TO TURN ON/OFF CONVERT**

**REWIND AT START OF PROGRAMS. CONVERT**

**\*DELETED HARWELL AND JAERI OPTIONS CONVERT**

**(PREVIOUSLY ONLY REQUIRED FOR GRAPHIC CONVERT**

**INTERFACE. NO LONGER REQUIRED). CONVERT**

**VERSION 89-1 (JANUARY 1989)\*PSYCHOANALYZED BY PROGRAM FREUD TO CONVERT**

**INSURE PROGRAM WILL NOT DO ANYTHING CONVERT**

**CRAZY. CONVERT**

**\*IMPROVED BASED ON USER COMMENTS. CONVERT**

**\*ADDED LIVERMORE CIVIC COMPILER CONVERT**

**CONVENTIONS. CONVERT**

**\*UPDATED TO USE NEW PROGRAM CONVERT CONVERT**

**KEYWORDS. CONVERT**

**\*ADDED ENDFILE OPTION TO OPTIONALLY CONVERT**

**ALLOW END OF FILE TO BE WRITTEN CONVERT**

**VERSION 91-1 (JUNE 1991) \*ADDED FORTRAN SAVE OPTION CONVERT**

**VERSION 92-1 (JANUARY 1992)\*ADDED ACTION OPTION - TO CONTROL CONVERT**

**INTERACTIVE INPUT TO CODES CONVERT**

**\*ADDED BLANK DELIMITED KEYWORD INPUT CONVERT**

**(REPLACES EARLIER FIXED FIELD INPUT) CONVERT**

**\*WARNING...THE INPUT PARAMETER FORMAT CONVERT**

**HAS BEEN GENERALIZED - FOR DETAILS CONVERT**

**SEE BELOW. CONVERT**

**VERSION 94-1 (JANUARY 1994)\*VARIABLE PROGRAM FILENAMES CONVERT**

**TO ALLOW ACCESS TO FILE STRUCTURES CONVERT**

**(WARNING - INPUT PARAMETER FORMAT CONVERT**

**HAS BEEN CHANGED) CONVERT**

**\*CLOSE ALL FILES BEFORE TERMINATING CONVERT**

**(SEE, SUBROUTINE ENDIT) CONVERT**

**\*ADDED KEYWORD CLOSE. CONVERT**

**VERSION 96-1 (JANUARY 1996) \*COMPLETE RE-WRITE CONVERT**

**\*IMPROVED COMPUTER INDEPENDENCE CONVERT**

**\*ALL DOUBLE PRECISION CONVERT**

**\*ON SCREEN OUTPUT CONVERT**

**VERSION 99-1 (MARCH 1999) \*GENERAL IMPROVEMENTS BASED ON CONVERT**

**USER FEEDBACK CONVERT**

**VERS. 2000-1 (FEBRUARY 2000)\*GENERAL IMPROVEMENTS BASED ON CONVERT**

**USER FEEDBACK CONVERT**

**VERS. 2002-1 (MAY 2002) \*OPTIONAL INPUT PARAMETERS CONVERT**

**VERS. 2004-1 (MARCH 2004) \*GENERAL UPDATE CONVERT**

**VERS. 2007-1 (JAN. 2007) \*GENERAL UPDATE CONVERT**

**VERS. 2007-2 (DEC. 2007) \*72 CHARACTER FILE NAMES. CONVERT**

**VERS. 2010-1 (Apr. 2010) \*General update based on user feedbackCONVERT**

**VERS. 2012-1 (Aug. 2012) \*Added CODENAME CONVERT**

**\*32 and 64 bit Compatible CONVERT**

**\*Added ERROR stop CONVERT**

**VERS. 2015-1 (Jan. 2015) \*Replaced ALL 3 way IF Statements CONVERT**

**VERS. 2017-1 (May 2017) \*Updated based on user feedback. CONVERT**

**VERS. 2018-1 (Jan. 2018) \*Added on-line output for ALL ENDERRORCONVERT**

**VERS. 2020-1 (Feb. 2020) \*Identical to 2018-1. CONVERT**

**VERS. 2021-1 (Jan 2021) \*Updated for FORTRAN 2018 CONVERT**

**VERS. 2023-1 (Feb. 2023) \*Identical to 2021-1 CONVERT**

**CONVERT**

**OWNED, MAINTAINED AND DISTRIBUTED BY CONVERT**

**------------------------------------ CONVERT**

**THE NUCLEAR DATA SECTION CONVERT**

**INTERNATIONAL ATOMIC ENERGY AGENCY CONVERT**

**P.O. BOX 100 CONVERT**

**A-1400, VIENNA, AUSTRIA CONVERT**

**EUROPE CONVERT**

**CONVERT**

**ORIGINALLY WRITTEN BY CONVERT**

**------------------------------------ CONVERT**

**Dermott E. Cullen CONVERT**

**CONVERT**

**PRESENT CONTACT INFORMATION CONVERT**

**--------------------------- CONVERT**

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**CONVERT**

**AUTHORS MESSAGE CONVERT**

**--------------- CONVERT**

**THE COMMENTS BELOW SHOULD BE CONSIDERED THE LATEST DOCUMENATION CONVERT**

**FOR THIS PROGRAM INCLUDING ALL RECENT IMPROVEMENTS. PLEASE READ CONVERT**

**ALL OF THESE COMMENTS BEFORE IMPLEMENTATION, PARTICULARLY THE CONVERT**

**COMMENTS CONCERNING COMPUTER DEPENDENT CODING. CONVERT**

**CONVERT**

**AT THE PRESENT TIME WE ARE ATTEMPTING TO DEVELOP A SET OF COMPUTERCONVERT**

**INDEPENDENT PROGRAMS THAT CAN EASILY BE IMPLEMENTED ON ANY ONE CONVERT**

**OF A WIDE VARIETY OF COMPUTERS. IN ORDER TO ASSIST IN THIS PROJECTCONVERT**

**IT WOULD BE APPECIATED IF YOU WOULD NOTIFY THE AUTHOR OF ANY CONVERT**

**COMPILER DIAGNOSTICS, OPERATING PROBLEMS OR SUGGESTIONS ON HOW TO CONVERT**

**IMPROVE THIS PROGRAM. IN PARTICULAR IF YOUR FORTRAN COMPILER, OR CONVERT**

**COMPUTER HAS A SET OF REQUIREMENTS THAT ARE DIFFERENT FROM THOSE CONVERT**

**OF CDC, CRAY OR IBM PLEASE NOTIFY THE AUTHOR AND THIS PROGRAM WILLCONVERT**

**BE MODIFIED TO CONSIDER YOUR COMPUTER SEPERATELY. HOWEVER, IN CONVERT**

**ORDER TO PREVENT A PROLIFERATION OF CODING IT IS IMPERATIVE THAT CONVERT**

**YOU IDENTIFY EXACTLY HOW YOUR FORTRAN COMPILER OR COMPUTER DIFFERSCONVERT**

**FROM THOSE ALREADY CONSIDERED BY THIS PROGRAM. HOPEFULLY,IN THIS CONVERT**

**WAY FUTURE VERSIONS OF THIS PROGRAM WILL BE COMPLETELY COMPATIBLE CONVERT**

**FOR USE ON YOUR COMPUTER. CONVERT**

**CONVERT**

**PURPOSE CONVERT**

**------- CONVERT**

**THIS PROGRAM IS DESIGNED TO AUTOMATICALLY CONVERT FORTRAN PROGRAMSCONVERT**

**FOR USE ON ANY ONE OF A VARIETY OF, CONVERT**

**(1) COMPUTERS CONVERT**

**(2) COMPILERS CONVERT**

**(3) PRECISIONS (SINGLE OR DOUBLE PRECISION) CONVERT**

**(4) INSTALLATIONS CONVERT**

**(5) STANDARD OR NON-STANDARD FILE NAMES CONVERT**

**CONVERT**

**FORTRAN CODING CONVENTIONS CONVERT**

**-------------------------- CONVERT**

**THIS PROGRAM MAY BE USED TO CONVERT ANY PROGRAM WHICH USES THE CONVERT**

**FOLLOWING CONVENTIONS. CONVERT**

**CONVERT**

**ALL FORTRAN STATEMENTS THAT DEPEND ON ANY COMBINATION OF COMPUTER,CONVERT**

**COMPILER, PRECISION AND/OR INSTALLATION AND STANDARD FILE NAMES CONVERT**

**SHOULD BE PRECEDED AND FOLLOWED BY A COMMENT LINE THAT CONTAINS, CONVERT**

**CONVERT**

**C\*\*\*\*\* DOUBLE \*\*\*\*\*\* ACTIVATE DOUBLE PRECISION (DEFAULT) CONVERT**

**C\*\*\*\*\* SINGLE \*\*\*\*\*\* ACTIVATE SINGLE PRECISION CONVERT**

**C\*\*\*\*\* CHARACTER \*\*\* TREAT CHARACTER ARRAYS AS CHARACTERS(DEFAULT)CONVERT**

**C\*\*\*\*\* INTEGER \*\*\*\*\* TREAT CHARACTER ARRAYS AS INTEGERS CONVERT**

**C\*\*\*\*\* STOP \*\*\*\*\*\*\*\* ACTIVATE STOP TO TERMINATE PROGRAM CONVERT**

**C\*\*\*\*\* EXIT \*\*\*\*\*\*\*\* ACTIVATE EXIT TO TERMINATE PROGRAM CONVERT**

**C\*\*\*\*\* PROGRAM \*\*\*\*\* ACTIVATE PROGRAM LINE AND CONTINUATIONS CONVERT**

**C\*\*\*\*\* NAMES \*\*\*\*\*\*\* ACTIVATE STANDARD FILENAMES CONVERT**

**C\*\*\*\*\* REWIND \*\*\*\*\*\* ACTIVATE REWIND FILES AT START OF PROGRAM CONVERT**

**C\*\*\*\*\* ENDFILE \*\*\*\*\* ACTIVATE ENDFILE AT END OF PROGRAM CONVERT**

**C\*\*\*\*\* CIVIC \*\*\*\*\*\*\* ACTIVATE LIVERMORE CIVIC COMPILER CONVENTIONSCONVERT**

**C\*\*\*\*\* NOID \*\*\*\*\*\*\*\* REMOVE LINE ID IN COLUMNS 73-80 (73-80=BLANK)CONVERT**

**C\*\*\*\*\* SAVE \*\*\*\*\*\*\*\* SAVE VARIABLES BETWEEN SUBROUTINE CALLS CONVERT**

**C\*\*\*\*\* ACTION \*\*\*\*\*\* ACTIVATE INTERACTIVE INPUT TO CODES CONVERT**

**C\*\*\*\*\* CLOSE \*\*\*\*\*\*\* ACTIVATE CLOSE ALL FILES BEFORE TERMINATING CONVERT**

**CONVERT**

**IF THE USER DOES NOT SELECT, CONVERT**

**(1) DOUBLE OR SINGLE - THE PROGRAM WILL ACTIVATE DOUBLE CONVERT**

**(2) CHARACTER OR INTEGER - THE PROGRAM WILL ACTIVATE CHARACTER CONVERT**

**(3) STOP OR EXIT - THE PROGRAM WILL ACTIVATE STOP CONVERT**

**CONVERT**

**IF THE USER SELECTS, CONVERT**

**(1) DOUBLE AND SINGLE - THE PROGRAM WILL ACTIVATE DOUBLE CONVERT**

**(2) CHARACTER AND INTEGER - THE PROGRAM WILL ACTIVATE CHARACTER CONVERT**

**(3) STOP AND EXIT - THE PROGRAM WILL ACTIVATE STOP CONVERT**

**CONVERT**

**IF THE USER DOES NOT SELECT PROGRAM, NAMES, REWIND, ENDFILE, CONVERT**

**CIVIC, NOID, SAVE OR ACTION THESE OPTIONS WILL BE TURNED OFF. CONVERT**

**CONVERT**

**WHERE CODING IS COMPUTER OR COMPILER DEPENDENT CODING WILL BE CONVERT**

**PRESENT FOR ALL POSSIBLE OPTIONS. THIS PROGRAM WILL ALLOW THE CONVERT**

**THE USER TO CONVERT PROGRAMS FOR USE WITH ANY COMBINATION OF CONVERT**

**OPTIONS. FOR EXAMPLES OF HOW THIS CONVENTION IS USED SEE THE CONVERT**

**LISTING OF THIS PROGRAM AND THE COMMENTS BELOW ON COMPUTER CONVERT**

**DEPENDENT CODING. CONVERT**

**CONVERT**

**INPUT LINES CONVERT**

**----------- CONVERT**

**LINE COLS. DESCRIPTION CONVERT**

**---- ----- -------------------------------------- CONVERT**

**1 1-72 BLANK DELIMITED KEYWORDS CONVERT**

**2 1-60 ENDF/B INPUT DATA FILENAME CONVERT**

**(STANDARD OPTION = ENDFB.IN) CONVERT**

**3 1-60 ENDF/B OUTPUT DATA FILENAME CONVERT**

**(STANDARD OPTION = ENDFB.OUT) CONVERT**

**CONVERT**

**\*THE FIRST INPUT LINE IS 72 CHARACTERS. CONVERT**

**\*KEYWORDS MAY BE LOCATED ANYWHERE WITHIN THESE 72 CHARACTERS CONVERT**

**\*THERE MAY BE ANY NUMBER OF KEYWORDS INPUT CONVERT**

**\*EACH KEYWORD MUST BE BLANK DELIMITED, E.G., DOUBLE CHARACTER CONVERT**

**IS LEGAL INPUT - DOUBLECHARACTER IS NOT LEGAL INPUT. CONVERT**

**\*THERE MUST BE ONE OR MORE BLANKS BETWEEN KEYWORDS CONVERT**

**CONVERT**

**\*NOTE, THIS NEW INPUT PARAMETER FORMAT (VERSION 92-1) IS COMPLETELYCONVERT**

**COMPATIBLE WITH THE OLDER FIXED FIELD FORMAT. SO THAT IF YOU HAVE CONVERT**

**INPUT THAT YOU HAVE USED IN THE PAST YOU CAN CONTINUE TO USE IT. CONVERT**

**CONVERT**

**LEGAL KEYWORDS INCLUDE, CONVERT**

**CONVERT**

**DOUBLE ACTIVATE DOUBLE PRECISION (DEFAULT) CONVERT**

**SINGLE ACTIVATE SINGLE PRECISION CONVERT**

**CHARACTER TREAT CHARACTER ARRAYS AS CHARACTERS(DEFAULT) CONVERT**

**INTEGER TREAT CHARACTER ARRAYS AS INTEGERS CONVERT**

**PROGRAM ACTIVATE PROGRAM LINE AND CONTINUATIONS CONVERT**

**NAMES ACTIVATE STANDARD FILENAMES CONVERT**

**REWIND ACTIVATE REWIND FILES AT START OF PROGRAM CONVERT**

**ENDFILE ACTIVATE ENDFILE AT END OF PROGRAM CONVERT**

**CIVIC ACTIVATE LIVERMORE CIVIC COMPILER CONVENTIONS CONVERT**

**NOID REMOVE LINE ID IN COLUMNS 73-80 (73-80=BLANK) CONVERT**

**SAVE SAVE VARIABLES BETWEEN SUBROUTINE CALLS CONVERT**

**ACTION ACTIVATE INTERACTIVE INPUT FOR CODES CONVERT**

**CLOSE ACTIVATE CLOSE ALL FILES BEFORE TERMINATING CONVERT**

**CONVERT**

**EXAMPLE INPUT NO. 1 CONVERT**

**------------------- CONVERT**

**TO USE A PROGRAM IN SINGLE PRECISION, USE THE STANDARD FILE NAMES,CONVERT**

**REWIND ALL UNITS AT THE START OF THE PROGRAM AND TREAT CHARACTER CONVERT**

**ARRAYS AS CHARACTER (FORTRAN-77 CONVENTION). CONVERT**

**CONVERT**

**READ \PREPRO93\RECENT\RECENT.OLD AND CONVERT**

**WRITE \PREPRO93\RECENT\RECENT.NEW CONVERT**

**CONVERT**

**THE FOLLOWING 3 INPUT LINES ARE REQUIRED, CONVERT**

**CONVERT**

**SINGLE NAMES REWIND CHARACTER CONVERT**

**\PREPRO93\RECENT\RECENT.OLD CONVERT**

**\PREPRO93\RECENT\RECENT.NEW CONVERT**

**CONVERT**

**NOTE, SINCE CHARACTER IS THE STANDARD OPTION THE KEYWORD CHARACTERCONVERT**

**NEED NOT APPEAR ON THE ABOVE INPUT LINE. CONVERT**

**CONVERT**

**EXAMPLE INPUT NO. 2 CONVERT**

**------------------- CONVERT**

**TO USE A PROGRAM IN DOUBLE PRECISION AND TREAT ALL CHARACTER CONVERT**

**ARRAYS AS INTEGER (FORTRAN-H CONVENTION). CONVERT**

**CONVERT**

**USE THE STANDARD FILENAMES TO READ = CONVERT.IN AND WRITE = CONVERT**

**CONVERT.OUT (THIS CAN BE DONE BY LEAVING THE SECOND AND THIRD CONVERT**

**INPUT LINES BLANK). CONVERT**

**CONVERT**

**THE FOLLOWING 3 INPUT LINES ARE REQUIRED, CONVERT**

**CONVERT**

**DOUBLE INTEGER CONVERT**

**(NOTE, THIS IS A BLANK LINE) CONVERT**

**(NOTE, THIS IS A BLANK LINE) CONVERT**

**CONVERT**

**NOTE, SINCE DOUBLE IS THE STANDARD OPTION THE KEYWORD DOUBLE CONVERT**

**NEED NOT APPEAR ON THE ABOVE INPUT LINE. CONVERT**

**CONVERT**

**EXAMPLE INPUT NO. 3 CONVERT**

**------------------- CONVERT**

**TO ACTIVATE THE PROGRAM LINE, USE DOUBLE PRECISION AND TREAT ALL CONVERT**

**CHARACTER ARRAYS AS CHARACTER. CONVERT**

**CONVERT**

**CONVERT**

**READ \PREPRO93\RECENT\RECENT.OLD AND CONVERT**

**WRITE THE STANDARD FILENAME = CONVERT.OUT (LEAVE THE THIRD INPUT CONVERT**

**LINE BLANK). CONVERT**

**CONVERT**

**THE FOLLOWING 3 INPUT LINES ARE REQUIRED, CONVERT**

**CONVERT**

**PROGRAM CONVERT**

**\PREPRO93\RECENT\RECENT.OLD CONVERT**

**(NOTE, THIS IS A BLANK LINE) CONVERT**

**CONVERT**

**NOTE, SINCE DOUBLE, CHARACTER AND EXIT ARE THE STANDARD OPTIONS CONVERT**

**THEY NEED NOT APPEAR ON THE ABOVE INPUT LINE AND IN THIS EXAMPLE CONVERT**

**HAVE BEEN OMITTED. CONVERT**

**CONVERT**

**WARNING CONVERT**

**------- CONVERT**

**(1) THE PROGRAM WILL ALWAYS ACTIVATE DOUBLE OR SINGLE, CHARACTER CONVERT**

**OR INTEGER (AS DESCRIBED ABOVE). CONVERT**

**CONVERT**

**(2) CODING IN THE PROGRAM FOR ANY KEYWORDS THAT ARE NOT ACTIVATED CONVERT**

**WILL BE CONVERTED TO COMMENT LINES AND AS SUCH WILL EFFECTIVELY CONVERT**

**DISAPPEAR FROM THE PROGRAM. THEREFORE IF THE KEYWORDS PROGRAM, CONVERT**

**NAMES, REWIND, ENDFILE, CIVIC OR NOID ARE NOT INPUT BY THE USER CONVERT**

**THESE OPTIONS WILL BE TURNED OFF AND ANY CODING USING THESE CONVERT**

**KEYWORDS WILL EFFECTIVELY DISAPPEAR FROM THE PROGRAM. CONVERT**

**CONVERT**

**(3) THE SERIES OF CODES THAT ARE DESIGNED TO BE AUTOMATICALLY CONVERT**

**TRANSLATED BY THIS PROGRAM REQUIRE THAT ALL CALCULATIONS BE CONVERT**

**PERFORMED IN DOUBLE PRECISION ON SHORT WORD LENGTH COMPUTERS CONVERT**

**(E.G., IBM COMPUTERS). THIS PROGRAM WILL ALLOW YOU TO SPECIFY CONVERT**

**EITHER DOUBLE OR SINGLE PRECISION. HOWEVER, IF YOU SPECIFY CONVERT**

**SINGLE PRECISION THIS PROGRAM WILL PRINT A WARNING MESSAGE THAT CONVERT**

**THE CONVERTED PROGRAM SHOULD ONLY BE USED ON LONG WORD LENGTH CONVERT**

**COMPUTERS (E.G., CDC COMPUTERS). CONVERT**

**CONVERT**

**PROGRAM OPERATION CONVERT**

**----------------- CONVERT**

**THE PROGRAM WILL SEARCH FOR COMMENT LINES THAT START WITH C\*\* CONVERT**

**IN COLUMNS 1-3 FOLLOWED BY ANY ONE OF THE ALLOWED KEYWORDS CONVERT**

**IF THE KEYWORD IS THE SAME AS ONE OF THE KEYWORDS INPUT BY CONVERT**

**THE USER ALL LINES UP TO THE NEXT LINE WITH C\*\* IN COLUMNS 1-3 CONVERT**

**FOLLOWED BY THE SAME KEYWORD WILL BE SET ACTIVE BY SETTING COLUMN CONVERT**

**1 TO BLANK. IF THE KEYWORDS DIFFERS FROM THAT INPUT BY THE USER CONVERT**

**ALL LINES UP TO THE NEXT LINE WITH C\*\* IN COLUMNS 1-3 FOLLOWED BY CONVERT**

**THE SAME KEYWORD WILL BE SET INACTIVE BY SETTING COLUMN 1 TO C. CONVERT**

**CONVERT**

**KEYWORDS MAY NOT BE NESTED (I.E., THIS PROGRAM WILL ONLY OPERATE CONVERT**

**PROPERLY IF KEYWORDS APPEAR IN PAIRS. ONCE A LINE IS FOUND THAT CONVERT**

**CONTAINS A KEYWORD, THE NEXT LINE THAT CONTAINS A KEYWORD MUST CONVERT**

**CONTAIN THE SAME KEYWORD). CONVERT**

**CONVERT**

**PROGRAM LINE CONVERT**

**------------ CONVERT**

**THE FORTRAN FILE MAY START WITH A PROGRAM LINE AND CONTINUATIONS. CONVERT**

**FOR USE ON CDC-7600 OR CRAY-1 COMPUTERS THIS PROGRAM CAN ACTIVATE CONVERT**

**THE PROGRAM LINE AND CONTINUATION LINES. FOR USE ON OTHER TYPES OFCONVERT**

**COMPUTERS THIS PROGRAM WILL AUTOMATICALLY DE-ACTIVATE THE PROGRAM CONVERT**

**LINE AND CONTINUATION LINES. THIS CONVENTIONS HAS BEEN INTRODUCED CONVERT**

**BECAUSE SOME CDC-7600 COMPILERS CONSIDER IT AN ERROR IF THE FIRST CONVERT**

**LINE IS NOT A PROGRAM LINE. PRECEEDING COMMENT LINES ARE NOT CONVERT**

**ALLOWED. THEREFORE THE NORMAL CONVENTION, DESCRIBED ABOVE, OF CONVERT**

**USING PRECEDING AND FOLLOWING COMMENT LINES, CANNOT BE USED AT CONVERT**

**THE BEGINNING OF THE PROGRAM. CONVERT**

**CONVERT**

**COMMENT LINES CONVERT**

**------------- CONVERT**

**COMMENT LINES MAY APPEAR ON LINES BETWEEN PAIRS OF KEYWORD LINES CONVERT**

**ONLY IF THE COMMENT LINES CONTAINS C-- IN COLUMS 1-3. ANY LINE CONVERT**

**THAT CONTAINS ANYTHING ELSE IN COLUMNS 1-3 MAY BE ACTIVATED CONVERT**

**BY THIS PROGRAM BY SETTING COLUMN 1 BLANK AND CAN LEAD TO ERRORS CONVERT**

**DURING COMPILATION AND/OR EXECUTION. CONVERT**

**CONVERT**

**INPUT FILES CONVERT**

**----------- CONVERT**

**UNIT DESCRIPTION CONVERT**

**---- ----------- CONVERT**

**2 INPUT LINE (BCD - 80 CHARACTERS/RECORD) CONVERT**

**10 ORIGINAL PROGRAM (BCD - 80 CHARACTERS/RECORD) CONVERT**

**CONVERT**

**OUTPUT FILES CONVERT**

**------------ CONVERT**

**UNIT DESCRIPTION CONVERT**

**---- ----------- CONVERT**

**3 OUTPUT REPORT (BCD - 120 CHARACTERS/RECORD) CONVERT**

**11 RE-FORMATTED PROGRAM (BCD - 80 CHARACTERS/RECORD) CONVERT**

**CONVERT**

**OPTIONAL STANDARD FILE NAMES (SEE SUBROUTINE FILIO1 AND FILIO2) CONVERT**

**--------------------------------------------------------------- CONVERT**

**UNIT FILE NAME CONVERT**

**---- ---------- CONVERT**

**2 CONVERT.INP CONVERT**

**3 CONVERT.LST CONVERT**

**10 CONVERT.IN CONVERT**

**11 CONVERT.OUT CONVERT**

**CONVERT**

**=======================================================================CONVERT**