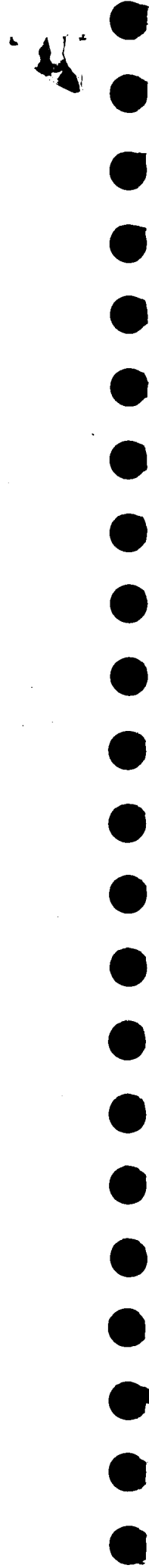


8SB15A

7080 STORAGE DISCRIMINATION TEST

April 15, 1961



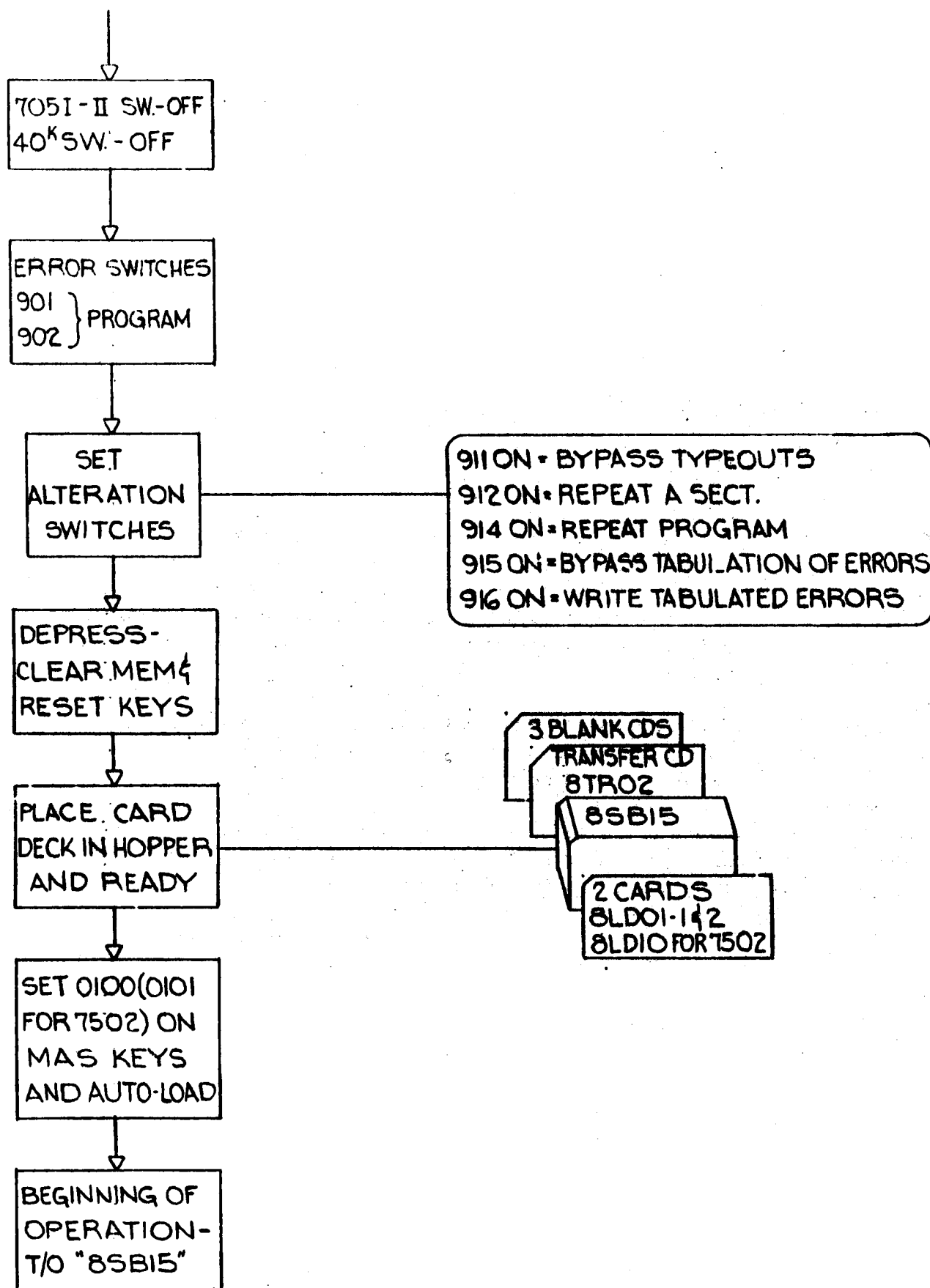


FIGURE 1
MACHINE SET-UP FOR 85B15

7080 STORAGE DISCRIMINATION TEST

I. UNIT TESTED:

7305 Central Storage Unit

II. PURPOSE OF TEST:

To determine if data placed in storage may be recovered unchanged.

III. METHOD OF TEST:

A. General

The test is divided into twelve sections, each having a specific test pattern. In each of these the character to be tested is determined by a SPC instruction preceding a UFC. Of the four characters thus unloaded, only the low order (units position) character is tested. The SPC address is incremented by one and another for characters unloaded.

The character's bit breakdown is determined and if it differs from that expected the results are used to set up the section error typeout.

There is a tabulation routine which services all twelve sections. If alteration switch 0915 is off it will take the errors and classify them in three ways:

1. In which character (0-7) did the errors occur? Which bit(s)? Were they picked or dropped?
2. In which word (0-3) did the errors occur? In which set (0-7)? How many bits were picked and/or dropped?
3. In which bank did the errors occur? How many bits were picked and/or dropped?

B. Sections 1 Through 10

A 256 character pattern is created in memory and all banks are loaded. Each character is unloaded and tested as above.

C. Sections 11 Through 12

Storage is loaded and tested as described in B. A word is complemented and its eight characters tested. It is then recomplemented and the next word processed,

D. Patterns Used

1. Section 1 - Ones Discrimination

Ones in all bit positions of storage.

Section 2- Zeros Discrimination

Zeros in all bit positions of storage.

Section 3 - Alternate Word Discrimination

Alternate words have all bits on or off starting with word zero on.

Section 4 - Alternate Word Discrimination

Complement of Section 3 starting with word zero off.

Section 5 - Alternate Word and Character Discrimination

Each word consists of alternate all bit and no bit characters. Adjacent words start with opposite characters. Word zero starts with an all bit character.

Section 6 - Alternate Word and Character Discrimination

Complement of Section 5 formed by starting word zero with a no bit character.

Section 7 - Alternate Word Character and Bit Discrimination

Each character consists of alternate bits on and off. Adjacent characters in any word start with opposite bits. Adjacent words start with opposite characters. The first bit of word zero is on.

Section 8 - Alternate Word, Character, and Bit Discrimination

Complement of Section 7 formed by starting word zero with the first bit off.

Section 9 - Alternate Sets Discrimination

Each set consists of 32 all bits or 32 no bits characters. Alternate sets are opposites. Set zero is all bits.

Section 10 - Alternate Sets Discrimination

Complement of Section 9 formed by starting with set zero, no bits.

Section 11 - Ones Discrimination, Complemented

Ones in all bit positions of storage complemented by eight no bit characters and recomplemented before leaving the word.

Section 12 - Zeros Discrimination, Complemented

Zeros in all bit positions of storage complemented by eight all bit characters and recomplemented before leaving the word.

E. Running Time

One complete pass (12 Sections) of 8SB15 takes approximately 7 sec. if there are no errors.

A. Units

1. 7305 Central Storage
2. 7102 CPU
3. Typewriter and Printer (optional)
4. Card Reader or Tape

B. Memory Locations

1. 0000 to 18,000 and 19,000 to 37,000

V. LOADING PROCEDUREA. Tape Input (8TR06 Generated Test Tape)

Refer to 8TR06 write-up for loading and running procedure.

B. Card Input1. Deck Structure714

8LD01	2
8SB15	599
8TR02	1
Blanks	3

Console Card Reader (7502)

8LD10	2 cards
8SB15	599 cards
8TR02	1 card
Blanks	3 cards

2. Start Procedure

SEL 2 0100
"Auto Load"

SEL 2 0101
"Auto Load"

VI. PROGRAM CONTROLA. Check Switches

901 and 902 program

B. Alteration Switches

0911 ON - Bypass section error and end section typeouts.
 0912 ON - Repeat a section
 0914 ON - Repeat Program
 OFF - Go to transition program (8TR06)

0915 ON - Bypass tabulating errors
 0916 ON - Write tabulated errors.

This switch is interrogated at the end of each section. It is also interrogated after the character-bit tabulation heading, after the character-bit tabulation, and after the word-set tabulation heading. If it is off at any of these points, the remainder of the tabulation is bypassed and the field is reset.

C. Halts

0000 Occurs after the typeout "901-2 TO PROGRAM"
 "Start" to continue

0001 Occurs in the event of an improper transfer to the
 tabulation routine.
 "Reset" and "Start" to try again.

VII. PRINTED RESULTS**A. General**

There are five possible typeouts:

1. "901-2 TO PROGRAM" no bypass.
2. Section error typeout 0911 - ON bypass.
3. End section typeout 0911 - ON bypass.
4. Pass count typeout no bypass.
5. Tabulation 0916 - OFF bypass at four
 places - see VI - B.

B. Program Entry Typeout - "901-2 TO PROGRAM"

This will occur only once and will be bypassed automatically when the program is repeated by 0914 - ON or by "Reset" and "Start."

C. Section Error Typeout

1. Example "SPC 1301 AB D-D---- WD 044"

This can occur in Sections 1, 3, 4, 5, 6, 9, 10, 11 and 12. The first four digit number is the starting point counter position at which the error occurred. "AB" denotes that the original character had all seven bits on. The two D's show that a "C" bit and an "A" bit were dropped. "WD 044" shows that the word driver is number 044.

2. Example "SPC 1213 NB P--PP-- WD 041"

This can occur in Sections 2, 3, 4, 5, 6, 9, 10, 11 and 12. "NB" denotes that the original character had all bits off. The three P's show that a "C" bit, and "8" bit, and a "4" bit were picked. Error location is starting point counter 1213 and word driver 041.

3. Example "SPC 0002 V-A -P--D-- WD 000"

This can occur in Section 7 and 8. The original test character, a "V," has become an "A" by picking a "B" bit and dropping a "4" bit. Error location is starting point counter 0002 serviced by word driver 000.

4. Example "SPC 0010 --S -DPD--- WD 001"

This can occur in Sections 7 and 8. The original test character, a redundant minus zero (0101010), has become an "S" by dropping a "B" and an "8" bit, and picking an "A" bit. Error location is starting point counter 0010 serviced by word driver 001.

D. End Section Typeout "S-1" — "S-12)

With 0911-off this will occur at the end of each section independent of the 0912 switch setting.

E. Pass Count Typeout "Pass 00" — "Pass 99"

Cannot be bypassed. It will indicate up to 99 passes of the complete program after which it will be reset to zero.

F. Tabulation See Fig. 3

This typeout gives a total of all the bit picks and drops which have occurred in any section or combination of sections used since the last reset. It is only reset under two conditions:

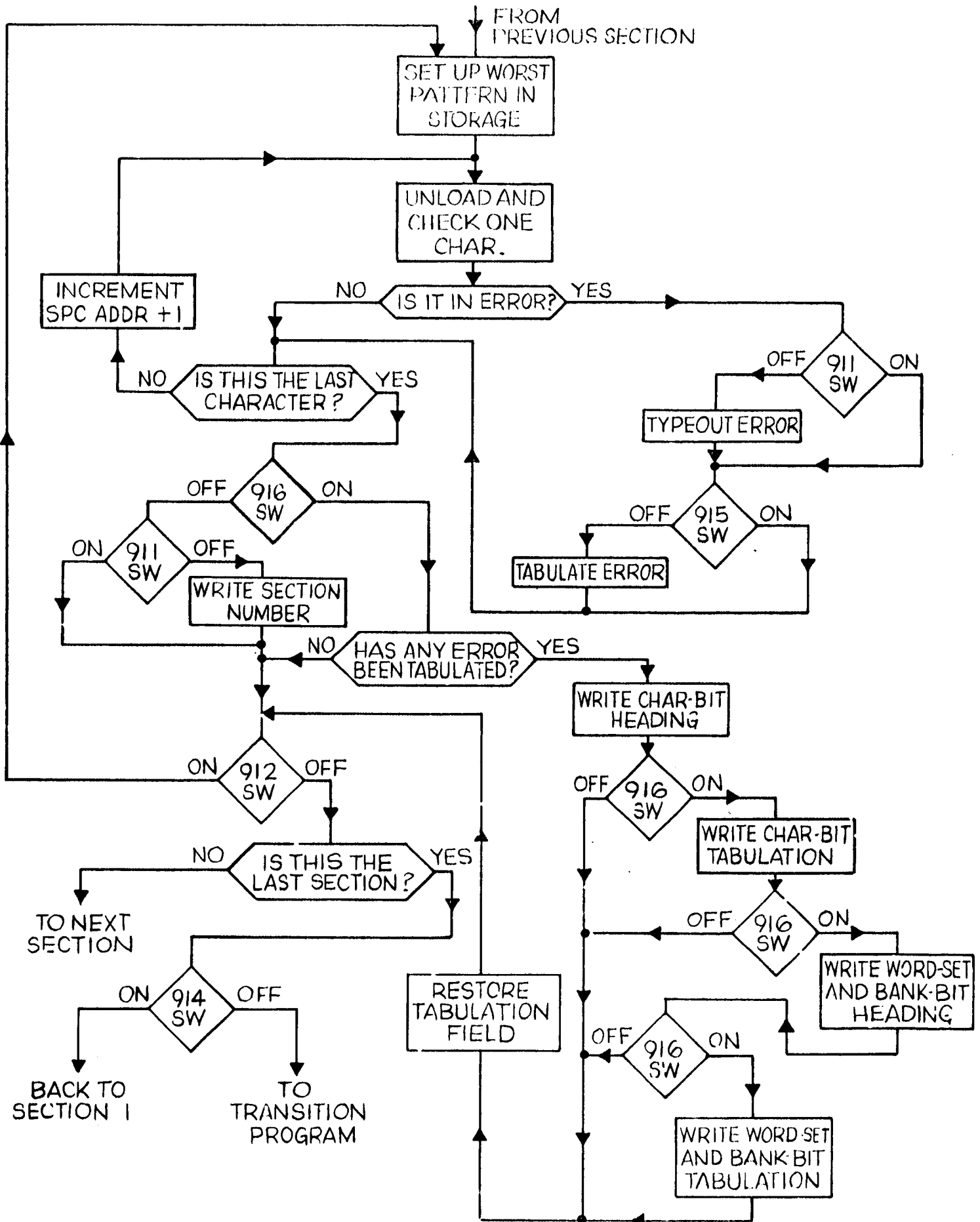
1. After typeout
2. When program is restarted by "Reset" and "Start"

With 0916 on there will be no typeout if no errors have occurred. Only those lines needed to describe an error will typeout in any case. To save time an ON line printer may be used instead of the typewriter by storing 0400 at 31076.

VIII. * COMMENTS

8SB15 is designed to test storage reliability. It will not, in general, detect addressing failures. When run with 0911 on - 0915 off - and 0916 on, it will test storage reliability for any number of passes with only one typeout per error free loop.

FIG 2 7080 BSWCB STORAGE DISCRIMINATION TEST 85B15



Example 1

BIT-CHAR		-C-		-B-		-A-		-8-		-4-		-2-		-1-	
PICK-DROP		PICK-DROP		PICK-DROP		PICK-DROP		PICK-DROP		PICK-DROP		PICK-DROP		PICK-DROP	
0	0	128	0	128	0	0	0	128	0	128	0	128	0	128	0
1	0	128	0	128	0	0	0	128	0	128	0	128	0	128	0
2	0	128	0	128	0	0	0	128	0	128	0	128	0	128	0
3	0	128	0	128	0	0	0	128	0	128	0	128	0	128	0
4	0	128	0	128	0	0	0	128	0	128	0	128	0	128	0
5	0	128	0	128	0	0	0	128	0	128	0	128	0	128	0
6	0	128	0	128	0	0	0	128	0	128	0	128	0	128	0
7	0	128	0	128	0	0	0	128	0	128	0	128	0	128	0
WORD SET		-0-		-1-		-2-		-3-				BIT BANK		PICK-DROP	
PICK-DROP		PICK-DROP		PICK-DROP		PICK-DROP		PICK-DROP							
0	0	192	0	192	0	192	0	192	0	192	I	0	0	1536	
1	0	192	0	192	0	192	0	192	0	192	I	1	0	1536	
2	0	192	0	192	0	192	0	192	0	192	I	2	0	1536	
3	0	192	0	192	0	192	0	192	0	192	I	3	0	1536	
4	0	192	0	192	0	192	0	192	0	192					
5	0	192	0	192	0	192	0	192	0	192					
6	0	192	0	192	0	192	0	192	0	192					
7	0	192	0	192	0	192	0	192	0	192					

Example 2

BIT-CHAR		-C-		-B-		-A-		-8-		-4-		-2-		-1-	
PICK-DROP		PICK-DROP		PICK-DROP		PICK-DROP		PICK-DROP		PICK-DROP		PICK-DROP		PICK-DROP	
0	0	0	0	2	0	0	0	2	0	2	0	2	0	2	0
1	0	0	0	2	0	0	0	2	0	2	0	2	0	2	0
2	0	0	0	2	0	0	0	2	0	2	0	2	0	2	0
3	0	0	0	2	0	0	0	2	0	2	0	2	0	2	0
WORD SET		-0-		-1-		-2-		-3-				BIT BANK		PICK-DROP	
PICK-DROP		PICK-DROP		PICK-DROP		PICK-DROP		PICK-DROP							
0	0	20	0	0	0	0	0	0	0	I	0	0	0	40	0
1	0	0	0	0	0	20	0	0	0	I	1	0	0	0	

Figure 3

Example 1 above shows the largest possible tabulation typeout. It was formed by causing six drop errors in each character in storage.

Example 2 shows that only the required lines will typeout. In this case error characters were found only at SPC 0000-0003 and SPC 0120-0123. Each character had dropped 5 bits (B, 8, 4, 2, 1).

INDEX TO ROUTINES

<u>Routine</u>	<u>Page</u>	<u>Part</u>
Section 1	01	1
Section 2	07	1
Section 3	11	1
Section 4	16	1
Section 5	21	1
Section 6	27	1
Section 7	33	1
Section 8	39	1
Section 9	44	1
Section 10	51	1
Section 11	56	1
Section 12	63	1
Pass Counter	69	1
Tabulation Routine	61	2
Bank Set Word - Word Driver Decode	31	2

Note: This program has been assembled in two parts. Transfers from part one to part two are as follows:

<u>Transfer</u>	<u>To</u>	<u>Page</u>	<u>Part</u>
DT 90		90	2
DU 90		91	2
DR 90		01	2
DS 90		29	2



8SB15 - PART 2 HOUSEKEEPING

23804 SPC 1000
23809 USB 05 33444 CUU4

23814 RCV U 1855
23819 TZB 01 23829 L8S9
23824 TR 1 24029 M029
23829 RCV U 2995
23834 TZB 01 23844 L8U4
23839 TR 1 24049 M049
23844 RCV U 4330
23849 TZB 01 23859 L8V9
23854 TR 1 24069 M069
23859 RCV U 6195
23864 TZB 01 23874 L8X4
23869 TR 1 24089 M089

INTERR. ERROR INDIC. S-1

TO LOAD SPC ADDR.
S-2

S-3

S-4

S-5

23874 RCV U 8085
23879 TZB 01 23889 L8Y9
23884 TR 1 24109 M109
23889 RCV U 9965
23894 TZB 01 23904 L9 4
23899 TR 1 24129 M129
23904 RCV U 11915 /915
23909 TZB 01 23919 L979
23914 TR 1 24149 M149
23919 RCV U 13870 T870
23924 TZB 01 23934 L9T4
23929 TR 1 24169 M169

S-5

S-6

S-7

S-8

S-9

23934 RCV U 15855 V855
23939 TZB 01 23949 L9U9
23944 TR 1 24189 M189
23949 RCV U 19005 Z005
23954 TZB 01 23964 L9W4
23959 TR 1 24209 M209
23964 RCV U 20565 -565
23969 TZB 01 23979 L9X9
23974 TR 1 24229 M229
23979 RCV U 21415 J415
23984 TZB 01 23994 L9Z4
23989 TR 1 24249 M249

S-9

S-10

S-11A.

S-11B.

S-12A

23994 RCV U 22495 K495
23999 TZB 01 24009 M0 9
24004 TR 1 24269 M269
24009 RCV U 23323 L323
24014 TZB 01 24024 M0S4
24019 TR 1 24289 M289
24024 HLT J 0001

S-12A

S-12B.

INCORRECT TR TO TAB ROUT.

NEXT PAGE

gscans/g0001538824029 SET B 01 0004 00 4
A01.....24034 RCV U 01 32581 B581
24039 TMT 9 01 0416 04/6
24044 TR 1 24309 M309
B01.....24049 SET B 01 0004 00 4
24054 RCV U 01 32581 B581
24059 TMT 9 01 2146 21U6
24064 TR 1 24309 M309
C01.....24069 SET B 01 0004 00 4
24074 RCV U 01 32581 B581
24079 TMT 9 01 3391 33Z1
24084 TR 1 24309 M309
D01.....24089 SET B 01 0004 00 4
24094 RCV U 01 32581 B581
24099 TMT 9 01 5256 52V6
24104 TR 1 24309 M309
E01.....24109 SET B 01 0004 00 4
24114 RCV U 01 32581 B581
24119 TMT 9 01 7121 71S1
24124 TR 1 24309 M309
F01.....24129 SET B 01 0004 00 4
24134 RCV U 01 32581 B581
24139 TMT 9 01 9011 90/1
24144 TR 1 24309 M309
G01.....24149 SET B 01 0004 00 4
24154 RCV U 01 32581 B581
24159 TMT 9 01 10851 8V1
24164 TR 1 24309 M309
H01.....24169 SET B 01 0004 00 4
24174 RCV U 01 32581 B581
24179 TMT 9 01 12801 S8
24184 TR 1 24309 M309
J01.....24189 SET B 01 0004 00 4
24194 RCV U 01 32581 B581
24199 TMT 9 01 14926 U9S6
24204 TR 1 24309 M309
K01.....24209 SET B 01 0004 00 4
24214 RCV U 01 32581 B581
24219 TMT 9 01 16911 W9/1
24224 TR 1 24309 M309
L01.....24229 SET B 01 0004 00 4
24234 RCV U 01 32581 B581
24239 TMT 9 01 19821 Z8S1
24244 TR 1 24309 M309
M01.....24249 SET B 01 0004 00 4
24254 RCV U 01 32581 B581
24259 TMT 9 01 20671 -6X1
24264 TR 1 24309 M309
N01.....24269 SET B 01 0004 00 4
24274 RCV U 01 32581 B581
24279 TMT 9 01 21701 J7
24284 TR 1 24309 M309
P01.....24289 SET B 01 0004 00 4
24294 RCV U 01 32581 B581
24299 TMT 9 01 22611 K6/1
24304 TR 1 24309 M309
24309 SET B 03 0007 00&7
24314 RCV U 01 32588 B588
24319 TMT 9 03 1881 18H1
24324 TR 1 24329 M329-----Q03

SPC ADDR TO WKI
S-1

S-2

S-3

S-4

S-5

S-6

S-7

S-8

S-9

S-10

S-11A

S-11B.

S-12A

S-12B.

T/O TO WK #2

Q02.....
24329 RCV U 32584 B584
24334 TZB 04 24344 MT44
24339 TR 1 24519 M519
24344 TZB 03 24354 M3E4
24349 TR 1 24369 M369
24354 TZB 02 24534 M5L4
24359 TZB 01 24549 M5U9
24364 TR 1 24564 M564
24369 TZB 02 24379 M3P9
24374 TR 1 24389 M389
24379 TZB 01 24579 M5X9
24384 TR 1 24594 M594
24389 TZB 01 24609 M6 9
24394 TR 1 24624 M624

SET UP T/O ROUT.
CHAR 0
CHAR 1
CHAR 2
CHAR 3
CHAR 4
CHAR 5
CHAR 6
CHAR 7

24399 RCV U 32582 B582
24404 TZB 04 24414 MU14
24409 TR 1 24639 M639
24414 TZB 03 24424 M4B4
24419 TR 1 24439 M439
24424 TZB 02 24654 M6N4
24429 TZB 01 24669 M6W9
24434 TR 1 24684 M684
24439 TZB 02 24449 M4M9
24444 TR 1 24459 M459
24449 TZB 01 24699 M6Z9
24454 TR 1 24714 M714
24459 TZB 01 24729 M7S9
24464 TR 1 24744 M744

SET
S04 SET 0
T04 SET 1
U04 SET 2
V04 SET 3
W04 SET 4
X04 SET 5
Y04 SET 6
Z04 SET 7

R04.....
24469 RCV U 32581 B581
24474 TZB 04 24484 MU84
24479 TR 1 24759 M759
24484 TZB 03 24494 M4I4
24489 TR 1 24464 M464
24494 TZB 02 24774 M7P4
24499 TZB 01 24789 M7Y9
24504 TR 1 24804 M804
24509 TR 1 24834 M834
24514 TR 1 24819 M819

BANK
AA04 BNK 0
AB04 BNK 1
AC04 BNK 2
AD04 BNK 3
AF04 BYP BNK 4
AE04 BNK 4

24519 SBN % 12 31270 AB70
24524 SBZ % 05 31270 ASX0
24529 TR 1 24399 M399
24534 SBN % 12 31275 AB75
24539 SBZ % 05 31275 ASX5
24544 TR 1 24399 M399
24549 SBN % 12 31280 AB80
24554 SBZ % 05 31280 ASY0
24559 TR 1 24399 M399
24564 SBN % 12 31285 AB85
24569 SBZ % 05 31285 ASY5
24574 TR 1 24399 M399
24579 SBN % 12 31290 AB90
24584 SBZ % 05 31290 ASZ0
24589 TR 1 24399 M399
24594 SBN % 12 31295 AB95
24599 SBZ % 05 31295 ASZ5
24604 TR 1 24399 M399
24609 SBN % 12 31300 AC00
24614 SBZ % 05 31300 AT 0
24619 TR 1 24399 M399
24624 SBN % 12 31305 AC05
24629 SBZ % 05 31305 AT 5
24634 TR 1 24399 M399

CHAR 0 - A TO R
CHAR 1
CHAR 2
CHAR 3
CHAR 4
CHAR 5
CHAR 6
CHAR 7

```

gscans/g0015337000
S03.....24639 SBN % 12 31345 AC45
          24644 SBZ % 05 31345 ATU5
          24649 TR  1 24469 M469-----R03
T03.....24654 SBN % 12 31350 AC50
          24659 SBZ % 05 31350 ATV0
          24664 TR  1 24469 M469-----R03
U03.....24669 SBN % 12 31355 AC55
          24674 SBZ % 05 31355 ATV5
          24679 TR  1 24469 M469-----R03
V03.....24684 SBN % 12 31360 AC60
          24689 SBZ % 05 31360 ATW0
          24694 TR  1 24469 M469-----R03
W03.....24699 SBN % 12 31365 AC65
          24704 SBZ % 05 31365 ATW5
          24709 TR  1 24469 M469-----R03
X03.....24714 SBN % 12 31370 AC70
          24719 SBZ % 05 31370 ATX0
          24724 TR  1 24469 M469-----R03
Y03.....24729 SBN % 12 31375 AC75
          24734 SBZ % 05 31375 ATX5
          24739 TR  1 24469 M469-----R03
Z03.....24744 SBN % 12 31380 AC80
          24749 SBZ % 05 31380 ATY0
          24754 TR  1 24469 M469-----R03
          24754 TR  1 24469 M469-----R03

```

SET 0

SET 1

SET 2

SET 3

SET 4

SET 5

SET 6

SET 7

```

AA03.....24759 SBN % 12 31345 AC45
          24764 SBZ % 05 31345 ATU5
          24769 TR  1 24834 M834-----
AB03.....24774 SBN % 12 31350 AC50
          24779 SBZ % 05 31350 ATV0
          24784 TR  1 24834 M834-----
AC03.....24789 SBN % 12 31355 AC55
          24794 SBZ % 05 31355 ATV5
          24799 TR  1 24834 M834-----
AD03.....24804 SBN % 12 31360 AC60
          24809 SBZ % 05 31360 ATW0
          24814 TR  1 24834 M834-----
AE03.....24819 SBN % 12 31365 AC65
          24824 SBZ % 05 31365 ATW5
          24829 TR  1 24834 M834-----

```

BNK 0

BNK 1

BNK 2

BNK 3

BNK 4

```

AF03.....24834 RCV U 32584 B584
          24839 TZB  1 04 24849 MY49-----
          24844 TR  1 24904 M904-----AG05
          24849 TZB  1 03 24859 M8E9-----
          24854 TR  1 24874 M874-----
          24859 TZB  1 02 24984 M9Q4-----AH05
          24864 TZB  1 01 25064 N0W4-----AJ05
          24869 TR  1 25144 N144-----AK06
          24874 TZB  1 02 24884 M8Q4-----
          24879 TR  1 24894 M894-----
          24884 TZB  1 01 25224 N2S4-----AL06
          24889 TR  1 25304 N304-----AM06
          24894 TZB  1 01 25384 N3Y4-----AN07
          24899 TR  1 25464 N464-----AP07

```

CHAR TAB- ALL BITS.

CHAR 0

CHAR-1

CHAR-2

CHAR-3

CHAR-4

CHAR-5

CHAR-6

CHAR-7

AG04.....
24904 SET B 01 0004 00 4
24909 RCV U 25606 N606
24914 TMT 9 01 32631 B6T1
24919 RCV U 25726 N726
24924 TMT 9 01 32641 B6U1
24929 RCV U 25846 N846
24934 TMT 9 01 32651 B6V1
24939 RCV U 25966 N966
24944 TMT 9 01 32661 B6W1
24949 RCV U 26086 O086
24954 TMT 9 01 32671 B6X1
24959 RCV U 26206 O206
24964 TMT 9 01 32681 B6Y1
24969 RCV U 26326 O326
24974 TMT 9 01 32691 B6Z1
24979 TR 1 26394 O394-----AU11

CHAR-0
TAB LOCAT. BIT C
BIT B
BIT A
BIT 8
BIT 4
BIT 2
BIT 1
TO CHAR 0- PICK

AH04.....
24984 SET B 01 0004 00 4
24989 RCV U 25606 N606
24994 TMT 9 01 32701 B7 1
24999 RCV U 25726 N726
25004 TMT 9 01 32711 B7/1
25009 RCV U 25846 N846
25014 TMT 9 01 32721 B7S1
25019 RCV U 25966 N966
25024 TMT 9 01 32731 B7T1
25029 RCV U 26086 O086
25034 TMT 9 01 32741 B7U1
25039 RCV U 26206 O206
25044 TMT 9 01 32751 B7V1
25049 RCV U 26326 O326
25054 TMT 9 01 32761 B7W1
25059 TR 1 26474 O474-----AV11

CHAR-1
BIT C
BIT B
BIT A
BIT 8
BIT 4
BIT 2
BIT 1
TO CHAR 1- PICK

AJ04.....
25064 SET B 01 0004 00 4
25069 RCV U 25606 N606
25074 TMT 9 01 32771 B7X1
25079 RCV U 25726 N726
25084 TMT 9 01 32781 B7Y1
25089 RCV U 25846 N846
25094 TMT 9 01 32791 B7Z1
25099 RCV U 25966 N966
25104 TMT 9 01 32801 B8 1
25109 RCV U 26086 O086
25114 TMT 9 01 32811 B8/1
25119 RCV U 26206 O206
25124 TMT 9 01 32821 B8S1
25129 RCV U 26326 O326
25134 TMT 9 01 32831 B8T1
25139 TR 1 26554 O554-----AW11

CHAR-2
BIT C
B
A
8
4
2
1
TO CHAR 2- PICK

0	251144	SET	B	01	0004	00	4	
0	251149	RCV	U		25606	N606		
0	251154	TMT	9	01	32841	B8U1		
0	251159	RCV	U		25726	N726		
0	251164	TMT	9	01	32851	B8V1		
0	251169	RCV	U		25846	N846		
0	251174	TMT	9	01	32861	B8W1		
0	251179	RCV	U		25966	N966		
0	251184	TMT	9	01	32871	B8X1		
0	251189	RCV	U		26086	O086		
0	251194	TMT	9	01	32881	B8Y1		
0	251199	RCV	U		26206	O206		
0	25204	TMT	9	01	32891	B8Z1		
0	25209	RCV	U		26326	O326		
0	25214	TMT	9	01	32901	B9 1		
0	25219	TR	1		26634	O634		

TO CHAR 3- PICK

252224	SET	B	01	0004	00	4
252229	RCV	U		25606	N606	
252234	TMT	9	01	32911	B9/1	
252239	RCV	U		25726	N726	
252244	TMT	9	01	32921	B9S1	
252249	RCV	U		25846	N846	
252254	TMT	9	01	32931	B9T1	
252259	RCV	U		25966	N966	
252264	TMT	9	01	32941	B9U1	
252269	RCV	U		26086	O086	
252274	TMT	9	01	32951	B9V1	
252279	RCV	U		26206	O206	
252284	TMT	9	01	32961	B9W1	
252289	RCV	U		26326	O326	
252294	TMT	9	01	32971	B9X1	
252299	TR	1		26714	O714	

TO CHAR 4- PICK

[illegible]

TO CHAR 5- PICK

AN04.....
25384 SET B 01 0004 00 4
25389 RCV U 25606 N606
25394 TMT 9 01 33051 C0V1
25399 RCV U 25726 N726
25404 TMT 9 01 33061 C0W1
25409 RCV U 25846 N846
25414 TMT 9 01 33071 C0X1
25419 RCV U 25966 N966
25424 TMT 9 01 33081 C0Y1
25429 RCV U 26086 0086
25434 TMT 9 01 33091 C0Z1
25439 RCV U 26206 0206
25444 TMT 9 01 33101 C1 1
25449 RCV U 26326 0326
25454 TMT 9 01 33111 C1/1
25459 TR 1 26874 0874-----BA13
-----BA13

CHAR-6

BIT C

B

A

8

4

2

1

TO CHAR 6- PICK

AP04.....
25464 SET B 01 0004 00 4
25469 RCV U 25606 N606
25474 TMT 9 01 33121 C1S1
25479 RCV U 25726 N726
25484 TMT 9 01 33131 C1T1
25489 RCV U 25846 N846
25494 TMT 9 01 33141 C1U1
25499 RCV U 25966 N966
25504 TMT 9 01 33151 C1V1
25509 RCV U 26086 0086
25514 TMT 9 01 33161 C1W1
25519 RCV U 26206 0206
25524 TMT 9 01 33171 C1X1
25529 RCV U 26326 0326
25534 TMT 9 01 33181 C1Y1
25539 TR 1 26954 0954-----BB13
-----BB13

CHAR-7

BIT G

B

A

8

4

2

1

TO CHAR 7- PICK

AQ11
AQ12
AQ13.....
25544 SET B 02 0005 00-5
25549 RCV U 32588 B588
25554 TZB 05 25564 NVW4-----
25559 TR 1 25574 N574-----
25564 TZB 03 25669 N6F9-----AR08
25569 TR 1 25624 N624-----
25574 RCV U 25591 N591-----
25579 TMT 9 01 25606 N6 6
25584 SBN % 14 25593 NER3
25589 RCV U 32600 B600
25594 TMT 9 02
25599 RCV U 31071 A071
25604 TSL 1 01 30069 &0W9-----DD25
25609 RCV U
25614 TMT 9 02 32600 B6-0
25619 TR 1 25669 N669-----AR08
-----AR08

BIT TAB-BIT G

CREATE 02 CODE

TAB TO WK #3

TO &1 INC

WK #3 TO TAB

25624 RCV U 25641 N641
25629 TMT 9 01 25656 N6V6
25634 SBN % 14 25643 NFM3
25639 RCV U 32600 B600
25644 TMT 9 02
25649 RCV U 31071 A071
25654 TSL 1 01 30069 &0W9-----DD25
25659 RCV U
25664 TMT 9 02 32600 B6-0
-----DD25

BIT C PICK

CREATE 02 CODE

TAB TO WK 3

TO &1 INC

WK 3 TO TAB

NEXT PAGE

8SB15

BIT B

CREATE 02 CODE

TO & I INC

BIT B PICK

CREATE 02 CODE

TAB TO WK 3

TO &1 INC

WK 3 TO TAB

BIT A

CREATE 02 CODE

TO &1 INC

BIT A PICK

CREATE 02 CODE

TAB TO WK 3

TO &1 ING

WK 3 TO TAB

NEXT PAGE

AS08

25909 RCV U 32591 B591
25914 TZB 05 25924 NZS4
25919 TR 1 25934 N934
25924 TZB 03 26029 O0B9
25929 TR 1 25984 N984
25934 RCV U 25951 N951
25939 TMT 9 01 25966 N9W6
25944 SBN % 14 25953 NIN3
25949 RCV U 32600 B600
25954 TMT 9 02
25959 RCV U 31071 A071
25964 TSL 1 01 30069 &OW9
25969 RCV U
25974 TMT 9 02 32600 B6-0
25979 TR 1 26029 O029

BIT 8

CREATE 02 CODE

TO &1 INC

25984 RCV U 26001 O001
25989 TMT 9 01 26016 O076
25994 SBN % 14 26003 O&-3
25999 RCV U 32600 B600
26004 TMT 9 02
26009 RCV U 31071 A071
26014 TSL 1 01 30069 &OW9
26019 RCV U
26024 TMT 9 02 32600 B6-0

BIT 8 PICK

CREATE 02 CODE

TAB TO WK 3

TO &1 INC

WK 3 TO TAB

26029 RCV U 32592 B592
26034 TZB 05 26044 O U4
26039 TR 1 26054 O054
26044 TZB 03 26149 O1D9
26049 TR 1 26104 O104
26054 RCV U 26071 O071
26059 TMT 9 01 26086 O0Y6
26064 SBN % 14 26073 O&P3
26069 RCV U 32600 B600
26074 TMT 9 02
26079 RCV U 31071 A071
26084 TSL 1 01 30069 &OW9
26089 RCV U
26094 TMT 9 02 32600 B6-0
26099 TR 1 26149 O149

BIT 4

CREATE 02 CODE

TO &1 INC

26104 RCV U 26121 O121
26109 TMT 9 01 26136 O1T6
26114 SBN % 14 26123 OAK3
26119 RCV U 32600 B600
26124 TMT 9 02
26129 RCV U 31071 A071
26134 TSL 1 01 30069 &OW9
26139 RCV U
26144 TMT 9 02 32600 B6-0

BIT 4 PICK

CREATE 02 CODE

TAB TO WK 3

TO &1 INC

WK 3 TO TAB

NEXT PAGE

gscans/g0015334109

26149 RCV U 32593 B593
26154 TZB 05 26164 O/W4
26159 TR 1 26174 O174
26164 TZB 03 26269 O2F9
26169 TR 1 26224 O224
26174 RCV U 26191 O191
26179 TMT 9 01 26206 O2 6
26184 SBN % 14 26193 OAR3
26189 RCV U 32600 B600
26194 TMT 9 02
26199 RCV U 31071 A071
26204 TSL 1 01 30069 &OW9 DD25
26209 RCV U
26214 TMT 9 02 32600 B6-0
26219 TR 1 26269 O269

BIT 2

CREATE 02 CODE

TO &1 INC

26224 RCV U 26241 O241
26229 TMT 9 01 26256 O2V6
26234 SBN % 14 26243 OBM3
26239 RCV U 32600 B600
26244 TMT 9 02
26249 RCV U 31071 A071
26254 TSL 1 01 30069 &OW9 DD25
26259 RCV U
26264 TMT 9 02 32600 B6-0

BIT 2 PICK

CREATE 02 CODE

TAB TO WK 3

TO &1 INC

WK 3 TO TAB

26269 RCV U 32594 B594
26274 TZB 05 26284 OSY4
26279 TR 1 26294 O294
26284 TZB 03 26389 O3H9
26289 TR 1 26344 O344
26294 RCV U 26311 O311
26299 TMT 9 01 26326 O3S6
26304 SBN % 14 26313 OCJ3
26309 RCV U 32600 B600
26314 TMT 9 02
26319 RCV U 31071 A071
26324 TSL 1 01 30069 &OW9 DD25
26329 RCV U
26334 TMT 9 02 32600 B6-0
26339 TR 1 26389 O389

BIT 1

CREATE 02 CODE

TO &1 INC

26344 RCV U 26361 O361
26349 TMT 9 01 26376 O3X6
26354 SBN % 14 26363 OC03
26359 RCV U 32600 B600
26364 TMT 9 02
26369 RCV U 31071 A071
26374 TSL 1 01 30069 &OW9 DD25
26379 RCV U
26384 TMT 9 02 32600 B6-0
26389 TR 1 27034 P034 BC13

BIT 1 PICK

CREATE 02 CODE

TAB TO WK 3

TO &1 INC

WK 3 TO TAB
TO W-S TAB

g0015230.png

AU05.....
26394 SET B 01 0004 00 4
26399 RCV U 25656 N656
26404 TMT 9 01 32626 B6S6
26409 RCV U 25776 N776
26414 TMT 9 01 32636 B6T6
26419 RCV U 25896 N896
26424 TMT 9 01 32646 B6U6
26429 RCV U 26016 0016
26434 TMT 9 01 32656 B6V6
26439 RCV U 26136 0136
26444 TMT 9 01 32666 B6W6
26449 RCV U 26256 0256
26454 TMT 9 01 32676 B6X6
26459 RCV U 26376 0376
26464 TMT 9 01 32686 B6Y6
26469 TR 1 25544 N544

AQ07

CHAR-0
TAB LOCAT-BITC
B
A
8
4
2
1
TO BIT TAB

AV05.....
26474 SET B 01 0004 00 4
26479 RCV U 25656 N656
26484 TMT 9 01 32696 B6Z6
26489 RCV U 25776 N776
26494 TMT 9 01 32706 B7-6
26499 RCV U 25896 N896
26504 TMT 9 01 32716 B7/6
26509 RCV U 26016 0016
26514 TMT 9 01 32726 B7S6
26519 RCV U 26136 0136
26524 TMT 9 01 32736 B7T6
26529 RCV U 26256 0256
26534 TMT 9 01 32746 B7U6
26539 RCV U 26376 0376
26544 TMT 9 01 32756 B7V6
26549 TR 1 25544 N544

AQ07

CHAR 1
BIT-C
B
A
8
4
2
1
TO BIT TAB

AW05.....
26554 SET B 01 0004 00 4
26559 RCV U 25656 N656
26564 TMT 9 01 32766 B7W6
26569 RCV U 25776 N776
26574 TMT 9 01 32776 B7X6
26579 RCV U 25896 N896
26584 TMT 9 01 32786 B7Y6
26589 RCV U 26016 0016
26594 TMT 9 01 32796 B7Z6
26599 RCV U 26136 0136
26604 TMT 9 01 32806 B8 6
26609 RCV U 26256 0256
26614 TMT 9 01 32816 B8/6
26619 RCV U 26376 0376
26624 TMT 9 01 32826 B8S6
26629 TR 1 25544 N544

AQ07

CHAR-2
BIT C
B
A
8
4
2
1
TO BIT TAB

ASOANS/q00153320884 SET B 01 0004 00 4 □
 AX06..... 26639 RCV U 25656 N656 □
 26644 TMT 9 01 32836 B8T6 □
 26649 RCV U 25776 N776 □
 26654 TMT 9 01 32846 B8U6 □
 26659 RCV U 25896 N896 □
 26664 TMT 9 01 32856 B8V6 □
 26669 RCV U 26016 0016 □
 26674 TMT 9 01 32866 B8W6 □
 26679 RCV U 26136 0136 □
 26684 TMT 9 01 32876 B8X6 □
 26689 RCV U 26256 0256 □
 26694 TMT 9 01 32886 B8Y6 □
 26699 RCV U 26376 0376 □
 26704 TMT 9 01 32896 B8Z6 □
 26709 TR 1 25544 N544 □-----AQ07

CHAR-3

BIT C

B

A

8

4

2

1

TO BIT TAB

AY06..... 26714 SET B 01 0004 00 4 □
 26719 RCV U 25656 N656 □
 26724 TMT 9 01 32906 B9 6 □
 26729 RCV U 25776 N776 □
 26734 TMT 9 01 32916 B976 □
 26739 RCV U 25896 N896 □
 26744 TMT 9 01 32926 B9S6 □
 26749 RCV U 26016 0016 □
 26754 TMT 9 01 32936 B9T6 □
 26759 RCV U 26136 0136 □
 26764 TMT 9 01 32946 B9U6 □
 26769 RCV U 26256 0256 □
 26774 TMT 9 01 32956 B9V6 □
 26779 RCV U 26376 0376 □
 26784 TMT 9 01 32966 B9W6 □
 26789 TR 1 25544 N544 □-----AQ07

CHAR-4

BIT C

B

A

8

4

2

1

TO BIT TAB

AZ06..... 26794 SET B 01 0004 00 4 □
 26799 RCV U 25656 N656 □
 26804 TMT 9 01 32976 B9X6 □
 26809 RCV U 25776 N776 □
 26814 TMT 9 01 32986 B9Y6 □
 26819 RCV U 25896 N896 □
 26824 TMT 9 01 32996 B9Z6 □
 26829 RCV U 26016 0016 □
 26834 TMT 9 01 33006 C0 6 □
 26839 RCV U 26136 0136 □
 26844 TMT 9 01 33016 C076 □
 26849 RCV U 26256 0256 □
 26854 TMT 9 01 33026 C0S6 □
 26859 RCV U 26376 0376 □
 26864 TMT 9 01 33036 C0T6 □
 26869 TR 1 25544 N544 □-----AQ07

CHAR-5

BIT C

B

A

8

4

2

1

TO BIT TAB

BA07.....
26874 SET B 01 0004 00 4
26879 RCV U 25656 N656
26884 TMT 9 01 33046 C0U6
26889 RCV U 25776 N776
26894 TMT 9 01 33056 C0V6
26899 RCV U 25896 N896
26904 TMT 9 01 33066 C0W6
26909 RCV U 26016 0016
26914 TMT 9 01 33076 C0X6
26919 RCV U 26136 0136
26924 TMT 9 01 33086 C0Y6
26929 RCV U 26256 0256
26934 TMT 9 01 33096 C0Z6
26939 RCV U 26376 0376
26944 TMT 9 01 33106 C1 6
26949 TR 1 25544 N544-----AQ07

CHAR-6

BIT C

B

A

8

4

2

1

TO BIT TAB

BB07.....
26954 SET B 01 0004 00 4
26959 RCV U 25656 N656
26964 TMT 9 01 33116 C176
26969 RCV U 25776 N776
26974 TMT 9 01 33126 C1S6
26979 RCV U 25896 N896
26984 TMT 9 01 33136 C1T6
26989 RCV U 26016 0016
26994 TMT 9 01 33146 C1U6
26999 RCV U 26136 0136
27004 TMT 9 01 33156 C1V6
27009 RCV U 26256 0256
27014 TMT 9 01 33166 C1W6
27019 RCV U 26376 0376
27024 TMT 9 01 33176 C1X6
27029 TR 1 25544 N544-----AQ07

CHAR 7

BIT-C

B

A

8

4

2

1

TO BIT TAB

BC10.....
27034 SBR % 08 36769 FP69
27039 RCV U 32594 B594
27044 TZB % 02 27054 P0N4
27049 SBZ % 01 36769 F7W9
27054 RCV U 32593 B593
27059 TZB % 02 27069 P009
27064 SBZ % 02 36769 F709
27069 RCV U 32592 B592
27074 TZB % 02 27084 P0Q4
27079 SBZ % 03 36769 F7F9
27084 RCV U 32591 B591
27089 TZB % 02 27099 P0R9
27094 SBZ % 04 36769 FX69
27099 RCV U 32590 B590
27104 TZB % 02 27114 P1J4
27109 SBZ % 05 36769 FXW9
27114 RCV U 32589 B589
27119 TZB % 02 27129 P1K9
27124 SBZ % 06 36769 FX09
27129 RCV U 32588 B588
27134 TZB % 02 27159 P1N9
27139 RCV U 36769 F769
27144 TZB % 07 27184 P/H4-----BD14
27149 SBR % 08 36769 FP69
27154 TR 1 27184 P184-----BD14
27159 RCV U 36769 F769
27164 TZB % 07 27174 P/G4
27169 TR 1 27184 P184-----BD14
27174 SBR % 08 36769 FP69
27179 TR 1 27184 P184-----BD14

WORD-SET TAB.

BIT SWS PICK-BIT 1

2

4

8

A

B

C

[illegible]

BE14.....
27484 RCV U 32583 B583
27489 TZB 01 27504 P5 4
27494 TZB 02 28154 Q1N4 BZ17
27499 TR 1 28234 Q234 CB18
27504 TZB 04 28194 Q/94 CA18
27509 TR 1 28114 Q114 BY17

SET 3

WORD 1
WORD 3
WORD 2
WORD 0

BF14.....
27514 RCV U 32583 B583
27519 TZB 01 27534 P5T4
27524 TZB 02 28314 Q3J4 CD18
27529 TR 1 28394 Q394 CF18
27534 TZB 04 28354 QT54 CE18
27539 TR 1 28274 Q274 CC18

SET 4

WORD 1
WORD 3
WORD 2
WORD 0

BG14.....
27544 RCV U 32583 B583
27549 TZB 01 27564 P5W4
27554 TZB 02 28474 Q4P4 CH19
27559 TR 1 28554 Q554 CK19
27564 TZB 04 28514 QV14 CJ19
27569 TR 1 28434 Q434 CG19

SET 5

WORD 1
WORD 3
WORD 2
WORD 0

BH14.....
27574 RCV U 32583 B583
27579 TZB 01 27594 P5Z4
27584 TZB 02 28634 Q6L4 CM19
27589 TR 1 28714 Q714 CP20
27594 TZB 04 28674 QW74 CN20
27599 TR 1 28594 Q594 CL19

SET 6

WORD 1
WORD 3
WORD 2
WORD 0

BJ14.....
27604 RCV U 32583 B583
27609 TZB 01 27624 P6S4
27614 TZB 02 28794 Q7R4 CR20
27619 TR 1 28874 Q874 CT20
27624 TZB 04 28834 QY34 CS20
27629 TR 1 28754 Q754 CQ20

SET 7

WORD 1
WORD 3
WORD 2
WORD 0

BK14.....
27634 SET B 02 0010 00J0
27639 RCV U 32605 B605
27644 TMT 9 02 36208 F2-8
27649 RCV U 29306 R306
27654 TSL 1 01 28914 Q9/4 CU21
BL22.....
27659 RCV U 36208 F208
27664 TMT 9 02 32605 B6-5
27669 TR 1 29314 R314 CV22

SET 0 - WD 0

TO W-S INC.

TO BANK-BIT TAB

BM14.....
27674 SET B 02 0010 00J0
27679 RCV U 32605 B605
27684 TMT 9 02 36219 F2J9
27689 RCV U 29306 R306
27694 TSL 1 01 28914 Q9/4 CU21
27699 RCV U 36219 F219
27704 TMT 9 02 32605 B6-5
27709 TR 1 29314 R314 CV22

WD-1

TO W-S INC.

TO BANK-BIT TAB

gscans/g0015331

BN14.....
27714 SET B 02 0010 00J0
27719 RCV U 32605 B605
27724 TMT 9 02 36230 F2L0
27729 RCV U 29306 R306
27734 TSL 1 01 28914 Q9/4-----CU21 TO W-S INC.
27739 RCV U 36230 F230
27744 TMT 9 02 32605 B6-5
27749 TR 1 29314 R314-----CV22 TO BANK-BIT TAB

BP14.....
27754 SET B 02 0010 00J0
27759 RCV U 32605 B605
27764 TMT 9 02 36241 F2M1
27769 RCV U 29306 R306
27774 TSL 1 01 28914 Q9/4-----CU21 TO W-S INC.
27779 RCV U 36241 F241
27784 TMT 9 02 32605 B6-5
27789 TR 1 29314 R314-----CV22 TO BANK-BIT TAB

BQ14.....
27794 SET B 02 0010 00J0
27799 RCV U 32605 B605
27804 TMT 9 02 36289 F2Q9
27809 RCV U 29306 R306
27814 TSL 1 01 28914 Q9/4-----CU21 TO W-S INC.
27819 RCV U 36289 F289
27824 TMT 9 02 32605 B6-5
27829 TR 1 29314 R314-----CV22 TO BANK-BIT TAB

BR14.....
27834 SET B 02 0010 00J0
27839 RCV U 32605 B605
27844 TMT 9 02 36300 F3-0
27849 RCV U 29306 R306
27854 TSL 1 01 28914 Q9/4-----CU21 TO W-S INC.
27859 RCV U 36300 F300
27864 TMT 9 02 32605 B6-5
27869 TR 1 29314 R314-----CV22 TO BANK-BIT TAB

BS14.....
27874 SET B 02 0010 00J0
27879 RCV U 32605 B605
27884 TMT 9 02 36311 F3J1
27889 RCV U 29306 R306
27894 TSL 1 01 28914 Q9/4-----CU21 TO W-S INC.
27899 RCV U 36311 F311
27904 TMT 9 02 32605 B6-5
27909 TR 1 29314 R314-----CV22 TO BANK-BIT TAB

BT14.....
27914 SET B 02 0010 00J0
27919 RCV U 32605 B605
27924 TMT 9 02 36322 F3K2
27929 RCV U 29306 R306
27934 TSL 1 01 28914 Q9/4-----CU21 TO W-S INC.
27939 RCV U 36322 F322
27944 TMT 9 02 32605 B6-5
27949 TR 1 29314 R314-----CV22 TO BANK-BIT TAB

BU14.....
27954 SET B 02 0010 00J0
27959 RCV U 32605 B605
27964 TMT 9 02 36370 F3P0
27969 RCV U 29306 R306
27974 TSL 1 01 28914 Q9/4-----CU21 TO W-S INC.
27979 RCV U 36370 F370
27984 TMT 9 02 32605 B6-5
27989 TR 1 29314 R314-----CV22 TO BANK-BIT TAB

BV14.....
27994 SET B 02 0010 00J0
27999 RCV U 32605 B605
28004 TMT 9 02 36381 F3Q1
28009 RCV U 29306 R306
28014 TSL 1 01 28914 Q9/4-----CU21 TO W-S INC.
28019 RCV U 36381 F381
28024 TMT 9 02 32605 B6-5
28029 TR 1 29314 R314-----CV22 TO BANK-BIT TAB

BW14.....
28034 SET B 02 0010 00J0
28039 RCV U 32605 B605
28044 TMT 9 02 36392 F3R2
28049 RCV U 29306 R306
28054 TSL 1 01 28914 Q9/4-----CU21 TO W-S INC.
28059 RCV U 36392 F392
28064 TMT 9 02 32605 B6-5
28069 TR 1 29314 R314-----CV22 TO BANK-BIT TAB

BX14.....
28074 SET B 02 0010 00J0
28079 RCV U 32605 B605
28084 TMT 9 02 36403 F4-3
28089 RCV U 29306 R306
28094 TSL 1 01 28914 Q9/4-----CU21 TO W-S INC.
28099 RCV U 36403 F403
28104 TMT 9 02 32605 B6-5
28109 TR 1 29314 R314-----CV22 TO BANK-BIT TAB

BY15.....
28114 SET B 02 0010 00J0
28119 RCV U 32605 B605
28124 TMT 9 02 36451 F4N1
28129 RCV U 29306 R306
28134 TSL 1 01 28914 Q9/4-----CU21 TO W-S INC.
28139 RCV U 36451 F451
28144 TMT 9 02 32605 B6-5
28149 TR 1 29314 R314-----CV22 TO BANK-BIT TAB

BZ15.....
28154 SET B 02 0010 00J0
28159 RCV U 32605 B605
28164 TMT 9 02 36462 F4O2
28169 RCV U 29306 R306
28174 TSL 1 01 28914 Q9/4-----CU21 TO W-S INC.
28179 RCV U 36462 F462
28184 TMT 9 02 32605 B6-5
28189 TR 1 29314 R314-----CV22 TO BANK-BIT TAB

gscans/g0015330
CA15.....
28194 SET B 02 0010 00J0
28199 RCV U 32605 B605
28204 TMT 9 02 36473 F4P3
28209 RCV U 29306 R306
28214 TSL 1 01 28914 Q9/4
28219 RCV U 36473 F473
28224 TMT 9 02 32605 B6-5
28229 TR 1 29314 R314
-----CU21
-----CV22

WD-2

TO W-S INC.

TO BANK-BIT TAB

CB15.....
28234 SET B 02 0010 00J0
28239 RCV U 32605 B605
28244 TMT 9 02 36484 F4Q4
28249 RCV U 29306 R306
28254 TSL 1 01 28914 Q9/4
28259 RCV U 36484 F484
28264 TMT 9 02 32605 B6-5
28269 TR 1 29314 R314
-----CU21
-----CV22

WD-3

TO W-S INC.

TO BANK-BIT TAB

CC15.....
28274 SET B 02 0010 00J0
28279 RCV U 32605 B605
28284 TMT 9 02 36532 F5L2
28289 RCV U 29306 R306
28294 TSL 1 01 28914 Q9/4
28299 RCV U 36532 F532
28304 TMT 9 02 32605 B6-5
28309 TR 1 29314 R314
-----CU21
-----CV22

SET 4 -WD 0

TO W-S INC.

TO BANK-BIT TAB

CD15.....
28314 SET B 02 0010 00J0
28319 RCV U 32605 B605
28324 TMT 9 02 36543 F5M3
28329 RCV U 29306 R306
28334 TSL 1 01 28914 Q9/4
28339 RCV U 36543 F543
28344 TMT 9 02 32605 B6-5
28349 TR 1 29314 R314
-----CU21
-----CV22

WD-1

TO W-S INC.

TO BANK-BIT TAB

CE15.....
28354 SET B 02 0010 00J0
28359 RCV U 32605 B605
28364 TMT 9 02 36554 F5N4
28369 RCV U 29306 R306
28374 TSL 1 01 28914 Q9/4
28379 RCV U 36554 F554
28384 TMT 9 02 32605 B6-5
28389 TR 1 29314 R314
-----CU21
-----CV22

WD-2

TO W-S INC.

TO BANK-BIT TAB

CF15.....
28394 SET B 02 0010 00J0
28399 RCV U 32605 B605
28404 TMT 9 02 36565 F5O5
28409 RCV U 29306 R306
28414 TSL 1 01 28914 Q9/4
28419 RCV U 36565 F565
28424 TMT 9 02 32605 B6-5
28429 TR 1 29314 R314
-----CU21
-----CV22

WD-3

TO W-S INC

TO BANK-BIT TAB

CG15.....
28434 SET B 02 0010 00J0
28439 RCV U 32605 B605
28444 TMT 9 02 36613 F6J3
28449 RCV U 29306 R306
28454 TSL 1 01 28914 Q9/4-----CU21 TO W-S INC.
28459 RCV U 36613 F613
28464 TMT 9 02 32605 B6-5
28469 TR 1 29314 R314-----CV22 TO BANK-BIT TAB

CH15.....
28474 SET B 02 0010 00J0 WD-1
28479 RCV U 32605 B605
28484 TMT 9 02 36624 F6K4
28489 RCV U 29306 R306
28494 TSL 1 01 28914 Q9/4-----CU21 TO W-S INC
28499 RCV U 36624 F624
28504 TMT 9 02 32605 B6-5
28509 TR 1 29314 R314-----CV22 TO BANK-BIT TAB

CJ15.....
28514 SET B 02 0010 00J0 WD-2
28519 RCV U 32605 B605
28524 TMT 9 02 36635 F6L5
28529 RCV U 29306 R306
28534 TSL 1 01 28914 Q9/4-----CU21 TO W-S INC.
28539 RCV U 36635 F635
28544 TMT 9 02 32605 B6-5
28549 TR 1 29314 R314-----CV22 TO BANK-BIT TAB

CK15.....
28554 SET B 02 0010 00J0 WD-3
28559 RCV U 32605 B605
28564 TMT 9 02 36646 F6M6
28569 RCV U 29306 R306
28574 TSL 1 01 28914 Q9/4-----CU21 TO W-S INC.
28579 RCV U 36646 F646
28584 TMT 9 02 32605 B6-5
28589 TR 1 29314 R314-----CV22 TO BANK-BIT TAB

CL15.....
28594 SET B 02 0010 00J0 SET 6- WD 0
28599 RCV U 32605 B605
28604 TMT 9 02 36664 F6O4
28609 RCV U 29306 R306
28614 TSL 1 01 28914 Q9/4-----CU21 TO W-S INC.
28619 RCV U 36664 F664
28624 TMT 9 02 32605 B6-5
28629 TR 1 29314 R314-----CV22 TO BANK-BIT TAB

CM15.....
28634 SET B 02 0010 00J0 WD-1
28639 RCV U 32605 B605
28644 TMT 9 02 36675 F6P5
28649 RCV U 29306 R306
28654 TSL 1 01 28914 Q9/4-----CU21 TO W-S INC.
28659 RCV U 36675 F675
28664 TMT 9 02 32605 B6-5
28669 TR 1 29314 R314-----CV22 TO BANK-BIT TAB

WD-2

WD-3

SET 7-WD 0

WD-1

WD-2.

WD-3

CU15
CU16
CU17
CU18
CU19
CU20

Address	Operation	Mode	Source	Destination	Comments
28914	SET	B 03	0005	0065	WORD-SET INC ROUT. PICK.
28919	RCV	U	32600	B600	
28924	TMT	9 03	32605	B665	
28929	RCV	U	36769	F769	BIT 1
28934	TZB	1 01	28944	Q9U4	
28939	TR	1	28954	Q954	
28944	RCV	U	31071	A071	
28949	TSL	1 01	30069	GOW9	DD25 TO &1 INC
28954	RCV	U	36769	F769	2
28959	TZB	1 02	28969	Q909	
28964	TR	1	28979	Q979	
28969	RCV	U	31071	A071	
28974	TSL	1 01	30069	GOW9	DD25 TO &1 INC
28979	RCV	U	36769	F769	4
28984	TZB	1 03	28994	Q9I4	
28989	TR	1	29004	R004	
28994	RCV	U	31071	A071	
28999	TSL	1 01	30069	GOW9	DD25 TO &1 INC
29004	RCV	U	36769	F769	8
29009	TZB	1 04	29019	R 19	
29014	TR	1	29029	R029	
29019	RCV	U	31071	A071	
29024	TSL	1 01	30069	GOW9	DD25 TO &1 INC
29029	RCV	U	36769	F769	A 1
29034	TZB	1 05	29044	R U4	
29039	TR	1	29054	R054	
29044	RCV	U	31071	A071	
29049	TSL	1 01	30069	GOW9	DD25 TO &1 INC
29054	RCV	U	36769	F769	B
29059	TZB	1 06	29069	R 09	
29064	TR	1	29079	R079	
29069	RCV	U	31071	A071	
29074	TSL	1 01	30069	GOW9	DD25 TO &1 INC
29079	RCV	U	36769	F769	C
29084	TZB	1 07	29094	R I4	
29089	TR	1	29104	R104	
29094	RCV	U	31071	A071	
29099	TSL	1 01	30069	GOW9	DD25 TO &1 INC
29104	RCV	U	32605	B605	
29109	TMT	9 03	32600	B660	

NEXT PAGE

[illegible]


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CW22.....
CW24.....
      29354 SET B 02 0010 00J0
      29359 RCV U 02 32605 B605
      29364 TMT 9 02 36268 F208
      29369 RCV U 02 29956 R956
      29374 TSL 1 01 29559 R5V9
      29379 RCV U 02 36268 F268
      29384 TMT 9 02 32605 B6-5
      29389 TR 1 29964 R964
CX22.....
      29394 SET B 02 0010 00J0
      29399 RCV U 02 32605 B605
      29404 TMT 9 02 36349 F3M9
      29409 RCV U 02 29956 R956
      29414 TSL 1 01 29559 R5V9
      29419 RCV U 02 36349 F349
      29424 TMT 9 02 32605 B6-5
      29429 TR 1 29964 R964
CY22.....
      29434 SET B 02 0010 00J0
      29439 RCV U 02 32605 B605
      29444 TMT 9 02 36430 F4L0
      29449 RCV U 02 29956 R956
      29454 TSL 1 01 29559 R5V9
      29459 RCV U 02 36430 F430
      29464 TMT 9 02 32605 B6-5
      29469 TR 1 29964 R964
CZ22.....
      29474 SET B 02 0010 00J0
      29479 RCV U 02 32605 B605
      29484 TMT 9 02 36511 F5J1
      29489 RCV U 02 29956 R956
      29494 TSL 1 01 29559 R5V9
      29499 RCV U 02 36511 F511
      29504 TMT 9 02 32605 B6-5
      29509 TR 1 29964 R964
DA22.....
      29514 TR 1 29554 R554
      29519 SET B 02 0010 00J0
      29524 RCV U 02 32605 B605
      29529 TMT 9 02 36592 F5R2
      29534 RCV U 02 29956 R956
      29539 TSL 1 01 29559 R5V9
      29544 RCV U 02 36592 F592
      29549 TMT 9 02 32605 B6-5
      29554 TR 1 29964 R964
      29559 SET B 03 0005 00&5
      29564 RCV U 03 32600 B600
      29569 TMT 9 03 32605 B6&5
      29574 RCV U 03 36769 F769
      29579 TZB 01 29589 R5Y9
      29584 TR 1 29599 R599
      29589 RCV U 01 31071 A071
      29594 TSL 1 01 30069 &0W9
      29599 RCV U 02 36769 F769
      29604 TZB 02 29614 R6J4
      29609 TR 1 29624 R624
      29614 RCV U 01 31071 A071
      29619 TSL 1 01 30069 &0W9
      29624 RCV U 03 36769 F769
      29629 TZB 03 29639 R6C9
      29634 TR 1 29649 R649
      29639 RCV U 01 31071 A071
      29644 TSL 1 01 30069 &0W9

```

BANK 0

TO BANK TAB.

TO RESET BIT SWS.
BANK 1

TO BANK TAB.

TO RESET BIT SWS
BANK 2.

TO BANK TAB

TO RESET BIT SWS

BANK 3

TO BANK TAB

TO RESET BIT SWS.
BANK 4

TO BANK TAB.

TO RESET BIT SWS.

BANK TAB PICK.

BIT 1

TO &1 INC.
BIT 2TO &1 INC.
BIT 4

TO &1 INC.

NEXT PAGE

BIT 8

TO 61 INC.
BIT A

TO & I INC.
BIT B.

TO & 1 INC.
BIT C

TO & I INC.

BANK TAB-DROP.

BIT-1

TO &1 INC.
BIT-2

TO &1 INC.
BIT-4

TO & I INC.

BIT 8

TO &1 INC.
BIT A

TO &1 INC.
BIT-B

TO &1 INC.
BIT-C.

TO &1 INC.

--CW23

DC23.....

29964	RCV	U	36769	F769	
29969	SBN	% 09	36769	FPW9	
29974	SBN	% 10	36769	FPO9	
29979	SBN	% 11	36769	FPF9	
29984	SBN	% 12	36769	FG69	
29989	SBN	% 13	36769	FGW9	
29994	SBN	% 14	36769	FGO9	
29999	TZB	• 07	30009	& &9	
30004	SBR	% 08	36769	FP69	I
30009	RCV	U	36768	F768	I
30014	SBN	% 09	36768	FPW8	
30019	SBN	% 10	36768	FPO8	
30024	SBN	% 11	36768	FPF8	
30029	SBN	% 12	36768	FG68	
30034	SBN	% 13	36768	FGW8	
30039	SBN	% 14	36768	FGO8	
30044	TZB	• 07	30054	& E4	
30049	SBR	% 08	36768	FP68	I
30054	SPC	,	1000		I
30059	LSB	, 04	33444	CU44	
30064	TR	1			

RESET BIT SWS.
PICK

DROP.

BACK TO MAIN PGM.

DD07
DD08
DD09
DD10
DD21
DD22
DD23
DD24.....

30069	RCV	U	32604	B604	
30074	TZB	• 01	30084	&0Y4	
30079	TR	1	30124	&124	I
30084	TZB	• 02	30164	&104	I
30089	TZB	• 03	30099	&019	I
30094	TR	1	30164	&164	I
30099	TZB	• 04	30164	&/64	I
30104	SBN	% 09	32604	BO 4	I
30109	SBZ	% 02	32604	B6-4	I
30114	SBZ	% 04	32604	BW04	I
30119	TR	1	31074	A074	DK29
30124	TZB	• 02	30134	&1L4	I
30129	TR	1	30164	&164	I
30134	TZB	• 03	30144	&104	I
30139	TR	1	30164	&164	I
30144	TZB	• 04	30164	&/64	I
30149	SBZ	% 01	32604	B6 4	I
30154	SBN	% 10	32604	BO-4	I
30159	TR	1	30234	&234	DE26

&1 INCREMENT ROUT.
UNITS PSN. ZERO RECOG

CHANGE 0 TO 1

9 RECOG

CHANGE 9 TO ZERO

INC 0TH &1

30164	TZB	• 01	30224	&2S4	I
30169	SBZ	% 01	32604	B6 4	I
30174	TZB	• 02	30214	&2J4	I
30179	SBZ	% 02	32604	B6-4	I
30184	TZB	• 03	30204	&2&4	I
30189	SBZ	% 03	32604	B6&4	I
30194	SBN	% 12	32604	BF04	I
30199	TR	1	31074	A074	DK29
30204	SBN	% 11	32604	BO&4	I
30209	TR	1	31074	A074	DK29
30214	SBN	% 10	32604	BO-4	I
30219	TR	1	31074	A074	DK29
30224	SBN	% 09	32604	BO 4	I
30229	TR	1	31074	A074	DK29

INC OTH &1

DF26.....

```

30454 RCV U 32602 B602
30459 TZB . 01 30469 &4W9
30464 TR 1 30514 &514
30469 TZB . 02 30479 &4P9
30474 TR 1 30514 &514
30479 TZB . 03 30489 &4H9
30484 TR 1 30514 &514
30489 TZB . 04 30499 &U99
30494 TR 1 30514 &514
30499 SBN % 09 32602 BO 2
30504 SBZ % 05 32602 BW 2
30509 TR 1 31074 A074
30514 TZB . 01 30524 &554
30519 TR 1 30564 &564
30524 TZB . 02 30604 &6-4
30529 TZB . 03 30539 &5C9
30534 TR 1 30604 &604
30539 TZB . 04 30604 &W04
30544 SBN % 09 32602 BO 2
30549 SBZ % 02 32602 B6-2
30554 SBZ % 04 32602 BW02
30559 TR 1 31074 A074
30564 TZB . 02 30574 &5P4
30569 TR 1 30604 &604
30574 TZB . 03 30584 &5H4
30579 TR 1 30604 &604
30584 TZB . 04 30604 &W04
30589 SBZ % 01 32602 B6 2
30594 SBN % 10 32602 BO-2
30599 TR 1 30674 &674

```

100PSN BLANK RECOG

CHANGE BLANK TO 1

ZERO RECOG

CHANGE 0 TO 1

9 RECOG

CHANGE 9 TO ZERO
TO 1000 PSN

```

30604 TZB . 01 30664 &6W4
30609 SBZ % 01 32602 B6 2
30614 TZB . 02 30654 &6N4
30619 SBZ % 02 32602 B6-2
30624 TZB . 03 30644 &6D4
30629 SBZ % 03 32602 B6&2
30634 SBN % 12 32602 BF02
30639 TR 1 31074 A074
30644 SBN % 11 32602 BO&2
30649 TR 1 31074 A074
30654 SBN % 10 32602 BO-2
30659 TR 1 31074 A074
30664 SBN % 09 32602 BO 2
30669 TR 1 31074 A074

```

INC OTH &1

```

30674 RCV U 32601 B601
30679 TZB . 01 30689 &6Y9
30684 TR 1 30734 &734
30689 TZB . 02 30699 &6R9
30694 TR 1 30734 &734
30699 TZB . 03 30709 &7&9
30704 TR 1 30734 &734
30709 TZB . 04 30719 &X19
30714 TR 1 30734 &734
30719 SBZ % 05 32601 BW 1
30724 SBN % 09 32601 BO 1
30729 TR 1 31074 A074

```

1000 PSN BLANK RECOG.

CHANGE BL TO 1

gscans/q0015250794

```

30734 RCV U 32601 B601
30739 TZB 01 30749 &7U9
30744 TR 1 30789 &789
30749 TZB 02 30829 &8K9
30754 TZB 03 30764 &7F4
30759 TR 1 30829 &829
30764 TZB 04 30829 &Y29
30769 SBN 09 32601 B0 1
30774 SBZ 02 32601 B6 1
30779 SBZ 04 32601 BW01
30784 TR 1 31074 A074
30789 TZB 02 30799 &7R9
30794 TR 1 30829 &829
30799 TZB 03 30809 &8E9
30804 TR 1 30829 &829
30809 TZB 04 30829 &Y29
30814 SBZ 01 32601 B6 1
30819 SBN 10 32601 B0 1
30824 TR 1 30899 &899

```

ZERO RECOG

CHANGE ZERO TO 1

9 RECOG

CHANGE 9 TO ZERO
TO 10,000 PSN

```

30829 TZB 01 30889 &8Y9
30834 SBZ 01 32601 B6 1
30839 TZB 02 30879 &8P9
30844 SBZ 02 32601 B6 1
30849 TZB 03 30869 &8F9
30854 SBZ 03 32601 B6&1
30859 SBN 12 32601 BF01
30864 TR 1 31074 A074
30869 SBN 11 32601 B0&1
30874 TR 1 31074 A074
30879 SBN 10 32601 B0 1
30884 TR 1 31074 A074
30889 SBN 09 32601 B0 1
30894 TR 1 31074 A074

```

INC OTH &1

```

30899 RCV U 32600 B600
30904 TZB 01 30914 &9/4
30909 TR 1 30959 &959
30914 TZB 02 30924 &9K4
30919 TR 1 30959 &959
30924 TZB 03 30934 &9C4
30929 TR 1 30959 &959
30934 TZB 04 30944 &Z44
30939 TR 1 30959 &959
30944 SBZ 05 32600 BW 0
30949 SBN 09 32600 B0 0
30954 TR 1 31074 A074

```

10,000 PSN-BLANK RECOG

CHANGE BL TO 1

```

30959 TZB 01 31004 A0 4
30964 TZB 02 30974 &9P4
30969 TR 1 31004 A004
30974 TZB 03 30984 &9H4
30979 TR 1 31004 A004
30984 TZB 04 31004 A 04
30989 RCV U 31556 A556
30994 TSL 01 31079 A0X9
30999 TR 1 31074 A074

```

9 RECOG

TO T/O ROUT & RESET

DH31.....

DJ28.....
 31004 TZB 01 31064 AOW4
 31009 SBZ % 01 32600 B6 0
 31014 TZB 02 31054 AON4
 31019 SBZ % 02 32600 B6-0
 31024 TZB 03 31044 AOD4
 31029 SBZ % 03 32600 B660
 31034 SBN % 12 32600 BF00
 31039 TR 1 31074 A074
 31044 SBN % 11 32600 BO60
 31049 TR 1 31074 A074
 31054 SBN % 10 32600 BO-0
 31059 TR 1 31074 A074
 31064 SBN % 09 32600 BO 0
 31069 TR 1 31074 A074
 DK25
 DK26
 DK27
 DK28..... 31074 TR 1

INC OTH &1

OUT TRANS

DL28.....
 31079 SEL 2 0500
 31084 RCV U 31270 A270
 31089 TZB 05 31249 ASU9
 31094 RCV U 31275 A275
 31099 TZB 05 31249 ASU9
 31104 RCV U 31280 A280
 31109 TZB 05 31249 ASU9
 31114 RCV U 31285 A285
 31119 TZB 05 31249 ASU9
 31124 RCV U 31290 A290
 31129 TZB 05 31249 ASU9
 31134 RCV U 31295 A295
 31139 TZB 05 31249 ASU9
 31144 RCV U 31300 A300
 31149 TZB 05 31249 ASU9
 31154 RCV U 31305 A305
 31159 TZB 05 31249 ASU9
 31164 RCV U 31345 A345
 31169 TZB 05 31249 ASU9
 31174 RCV U 31350 A350
 31179 TZB 05 31249 ASU9
 31184 RCV U 31355 A355
 31189 TZB 05 31249 ASU9
 31194 RCV U 31360 A360
 31199 TZB 05 31249 ASU9
 31204 RCV U 31365 A365
 31209 TZB 05 31249 ASU9
 31214 RCV U 31370 A370
 31219 TZB 05 31249 ASU9
 31224 RCV U 31375 A375
 31229 TZB 05 31249 ASU9
 31234 RCV U 31380 A380
 31239 TZB 05 31249 ASU9
 31244 TR 1 31389 A389

TAB T/O ROUT

BYPASS T/O

gscans/g00015324
DN29.....

```

31249 WR R 35105 E105
31254 WR R 35186 E186
31259 WR R 35267 E267
31264 TAF I 06 31274 ASP4
31269 TR I 1 31389 A389
31274 NOP A 35348 E348
31279 NOP A 35429 E429
31284 NOP A 35510 E510
31289 NOP A 35591 E591
31294 NOP A 35672 E672
31299 NOP A 35753 E753
31304 NOP A 35834 E834
31309 NOP A 35915 E915
31314 TAF I 06 31324 ATK4
31319 TR I 1 31389 A389
31324 WR R 35996 E996
31329 WR R 36042 F042
31334 WR R 36123 F123

```

916 OFF BYP WR

916 OFF BYP WR

916 OFF BYP WR

DN29.....

```

31339 TAF I 06 31349 ATM9
31344 TR I 1 31389 A389
31349 NOP A 36204 F204
31354 NOP A 36285 F285
31359 NOP A 36366 F366
31364 NOP A 36447 F447
31369 NOP A 36528 F528
31374 NOP A 36609 F609
31379 NOP A 36660 F660
31384 NOP A 36711 F711

```

RESTORE T/O

```

31389 SBN % 13 31270 ABX0
31394 SBZ % 04 31270 AS70
31399 SBN % 13 31275 ABX5
31404 SBZ % 04 31275 AS75
31409 SBN % 13 31280 ABY0
31414 SBZ % 04 31280 AS80
31419 SBN % 13 31285 ABY5
31424 SBZ % 04 31285 AS85
31429 SBN % 13 31290 ABZ0
31434 SBZ % 04 31290 AS90
31439 SBN % 13 31295 ABZ5
31444 SBZ % 04 31295 AS95
31449 SBN % 13 31300 AC 0
31454 SBZ % 04 31300 AT00

```

```

31459 SBN % 13 31305 AC 5
31464 SBZ % 04 31305 AT05
31469 SBN % 13 31345 ACU5
31474 SBZ % 04 31345 AT45
31479 SBN % 13 31350 ACV0
31484 SBZ % 04 31350 AT50
31489 SBN % 13 31355 ACV5
31494 SBZ % 04 31355 AT55
31499 SBN % 13 31360 ACW0
31504 SBZ % 04 31360 AT60
31509 SBN % 13 31365 ACW5
31514 SBZ % 04 31365 AT65
31519 SBN % 13 31370 ACX0
31524 SBZ % 04 31370 AT70
31529 SBN % 13 31375 ACX5
31534 SBZ % 04 31375 AT75
31539 SBN % 13 31380 ACY0
31544 SBZ % 04 31380 AT80

```

NEXT PAGE

RESTORE FLD

BSW -W DECODE RESET T/O

WORD - ZERO RECOG

RESET 2 BIT
SET - ZERO RECOG

BANK - ZERO RECOG

COMPLEMENT 8 BITS

NEXT PAGE

gscans/q00153231789 RCV U 32617 B617
31794 TZB 01 31809 A8 9
31799 SBZ 01 32617 B6/7
31804 TR 1 31814 A814
31809 SBN 09 32617 B0/7
31814 TZB 02 31829 A8K9
31819 SBZ 02 32617 B6J7
31824 TR 1 31834 A834
31829 SBN 10 32617 B0J7
31834 TZB 03 31849 A8D9
31839 SBZ 03 32617 B6A7
31844 TR 1 31854 A854
31849 SBN 11 32617 B0A7
31854 RCV U 32616 B616
31859 TZB 01 31874 A8X4
31864 SBZ 01 32616 B6/6
31869 TR 1 31879 A879
31874 SBN 09 32616 B0/6
31879 TZB 02 31894 A8R4
31884 SBZ 02 32616 B6J6
31889 TR 1 31899 A899
31894 SBN 10 32616 B0J6
31899 TZB 03 31914 A9A4
31904 SBZ 03 32616 B6A6
31909 TR 1 31919 A919
31914 SBN 11 32616 B0A6

DQ33 31919 RCV U 32618 B618
31924 TZB 01 31979 A9X9
31929 TZB 02 31979 A9P9
31934 RCV U 32617 B617
31939 TZB 01 31979 A9X9
31944 TZB 02 31979 A9P9
31949 TZB 03 31979 A9G9
31954 RCV U 32616 B616
31959 TZB 01 31979 A9X9
31964 TZB 02 31979 A9P9
31969 TZB 03 31979 A9G9
31974 TR 1
31979 RCV U 32576 B576
31984 TSL 1 01 32194 B1Z4-----DS33
31989 RCV U 32618 B618
31994 TZB 01 32009 B0 9
31999 SBZ 01 32618 B6/8
32004 TR 1 32019 B019
32009 SBN 09 32618 B078
32014 TR 1 31919 A919
32019 TZB 02 32034 B0L4
32024 SBZ 02 32618 B6J8
32029 TR 1 32044 B044
32034 SBN 10 32618 B0J8
32039 TR 1 31919 A919
32044 RCV U 32617 B617
32049 TZB 01 32064 B0W4
32054 SBZ 01 32617 B6/7
32059 TR 1 32074 B074-----DR33
32064 SBN 09 32617 B0/7
32069 TR 1 31919 A919

8 BIT BINARY COMP

END DECODE

INC WD &1

INC BINARY
BIT 1

BIT 2

BIT 4

DR32.....
□ 32074 TZB • 02 32089 B0Q9 -
□ 32079 SBZ % 02 32617 B6J7 I
□ 32084 TR 1 32099 B099 -
□ 32089 SBN % 10 32617 B0J7 .
□ 32094 TR 1 31919 A919 -DQ32
□ 32099 TZB • 03 32114 B1A4 .
□ 32104 SBZ % 03 32617 B6A7 I
□ 32109 TR 1 32124 B124 -
□ 32114 SBN % 11 32617 B0A7 .
□ 32119 TR 1 31919 A919 -DQ32
□ 32124 RCV U 32616 B616 .
□ 32129 TZB • 01 32144 B1U4 -
□ 32134 SBZ % 01 32616 B6/6 I
□ 32139 TR 1 32154 B154 -
□ 32144 SBN % 09 32616 B0/6 .
□ 32149 TR 1 31919 A919 -DQ32
□ 32154 TZB • 02 32169 B109 .
□ 32159 SBZ % 02 32616 B6J6 I
□ 32164 TR 1 32179 B179 -
□ 32169 SBN % 10 32616 B0J6 .
□ 32174 TR 1 31919 A919 -DQ32
□ 32179 TZB • 03 32184 B1H4 .
□ 32184 SBN % 11 32616 B0A6 .
□ 32189 TR 1 31919 A919 -DQ32

BIT 8

BIT 16

BIT 32

BIT 64

BIT 128

DS32.....
□ 32194 RCV U 1895
□ 32199 TZB • 01 32209 B2 9 -
□ 32204 TR 1 32249 B249 -
□ 32209 TZB • 02 32289 B2Q9 .
□ 32214 TZB • 03 32224 B2B4 -
□ 32219 TR 1 32289 B289 -
□ 32224 TZB • 04 32289 BS89 .
□ 32229 SBN % 09 1895 1QZ5 I
□ 32234 SBZ % 02 1895 18R5 I
□ 32239 SBZ % 04 1895 1Y95 I
□ 32244 TR 1 32579 B579 -DU34
□ 32249 TZB • 02 32259 B2N9 .
□ 32254 TR 1 32289 B289 -
□ 32259 TZB • 03 32269 B2F9 .
□ 32264 TR 1 32289 B289 -
□ 32269 TZB • 04 32289 BS89 .
□ 32274 SBZ % 01 1895 18Z5 I
□ 32279 SBN % 10 1895 1QR5 I
□ 32284 TR 1 32359 B359 -DT34
□ 32289 TZB • 01 32349 B3U9 .
□ 32294 SBZ % 01 1895 18Z5 I
□ 32299 TZB • 02 32339 B3L9 -
□ 32304 SBZ % 02 1895 18R5 I
□ 32309 TZB • 03 32329 B3B9 -
□ 32314 SBZ % 03 1895 18I5 I
□ 32319 SBN % 12 1895 1H95 I
□ 32324 TR 1 32579 B579 -DU34
□ 32329 SBN % 11 1895 1QI5 .
□ 32334 TR 1 32579 B579 -DU34
□ 32339 SBN % 10 1895 1QR5 .
□ 32344 TR 1 32579 B579 -DU34
□ 32349 SBN % 09 1895 1QZ5 .
□ 32354 TR 1 32579 B579 -DU34

&1 INC BSW -W DECODE
UNITS PSN ZERO RECOG

CHANGE ZERO TO 1

9 RECOG

CHANGE 9 TO ZERO

INC OTH &1

gscans/q0015
BT33.....

```
BT33.....32389 RCV U 1894
32364 TZB 01 32374 B3X4
32369 TR 1 32414 B414
32374 TZB 02 32454 B4N4
32379 TZB 03 32389 B3H9
32384 TR 1 32454 B454
32389 TZB 04 32454 BU54
32394 SBN % 09 1894 1QZ4
32399 SBZ % 02 1894 18R4
32404 SBZ % 04 1894 1Y94
32409 TR 1 32579 B579
32414 TZB 02 32424 B4K4
32419 TR 1 32454 B454
32424 TZB 03 32434 B4C4
32429 TR 1 32454 B454
32434 TZB 04 32454 BU54
32439 SBZ % 01 1894 18Z4
32444 SBN % 10 1894 1QR4
32449 TR 1 32524 B524
32454 TZB 01 32514 B574
32459 SBZ % 01 1894 18Z4
32464 TZB 02 32504 B54
32469 SBZ % 02 1894 18R4
32474 TZB 03 32494 B414
32479 SBZ % 03 1894 18I4
32484 SBN % 12 1894 1H94
32489 TR 1 32579 B579
32494 SBN % 11 1894 1Q14
32499 TR 1 32579 B579
32504 SBN % 10 1894 1QR4
32509 TR 1 32579 B579
32514 SBN % 09 1894 1QZ4
32519 TR 1 32579 B579
32524 RCV U 1893
32529 TZB 01 32539 B5T9
32534 TR 1 32579 B579
32539 TZB 02 32579 B5P9
32544 TZB 03 32554 B5E4
32549 TR 1 32579 B579
32554 TZB 04 32579 BV79
32559 SBN % 09 1893 1QZ3
32564 SBZ % 02 1893 18R3
32569 SBZ % 04 1893 1Y93
32574 TR 1 32579 B579
DU33.....32579 TR 1
```

TENS PSN - ZERO RECOG

CHANGE 0 TO 1

9 RECOG

CHANGE 9 TO ZERO

INC 0TH &1

100'S PSN ZERO RECOG

CHANGE ZERO TO 1

END OF INC

CONSTANTS

2	005	32584	00	WK AREA #1	SPC.
2	010	32594		WK AREA #2	T/O.
2	010	32604		WK AREA #3	TAB
2	010	32614		AUX WK AREA	TAB.
2	005	32619		WK AR.	BSW-W DECODE
2	005	32624		NOP WK AREA	BSW - W DECODE
2	001	32625		CHAR	0
3		32629	35352	E352	PICK
2	001	32630			C
3		32634	35357	E357	DROP
2	001	32635			
3		32639	35363	E363	PICK
2	001	32640			B
3		32644	35368	E368	DROP
2	001	32645			
3		32649	35374	E374	PICK
2	001	32650			A
3		32654	35379	E379	DROP
2	001	32655			
3		32659	35385	E385	PICK
2	001	32660			8
3		32664	35390	E390	DROP
2	001	32665			
3		32669	35396	E396	PICK
2	001	32670			4
3		32674	35401	E401	DROP
2	001	32675			
3		32679	35407	E407	PICK
2	001	32680			2
3		32684	35412	E412	DROP
2	001	32685			
3		32689	35418	E418	PICK
2	001	32690			1
3		32694	35423	E423	DROP
2	001	32695			CHAR-1
3		32699	35433	E433	PICK
2	001	32700			C
3		32704	35438	E438	DROP
2	001	32705			
3		32709	35444	E444	PICK
2	001	32710			8
3		32714	35449	E449	DROP
2	001	32715			
3		32719	35455	E455	PICK
2	001	32720			A
3		32724	35460	E460	DROP
2	001	32725			
3		32729	35466	E466	PICK
2	001	32730			8
3		32734	35471	E471	DROP
2	001	32735			
3		32739	35477	E477	PICK
2	001	32740			4
3		32744	35482	E482	DROP
2	001	32745			
3		32749	35488	E488	PICK
2	001	32750			2
3		32754	35493	E493	DROP
2	001	32755			
3		32759	35499	E499	PICK
2	001	32760			1
3		32764	35504	E504	DROP
2	001	32765			CHAR-2
3		32769	35514	E514	PICK
2	001	32770			C
3		32774	35519	E519	DROP
2	001	32775			
3		32779	35525	E525	PICK
2	001	32780			B
3		32784	35530	E530	DROP
2	001	32785			
3		32789	35536	E536	PICK

gscans/00015321

2	001	32790	A
2	001	32794	DROP
2	001	32795	
2	001	32799	PICK
2	001	32800	8
2	001	32804	DROP
2	001	32805	
2	001	32809	PICK
2	001	32810	4
2	001	32814	DROP
2	001	32815	
2	001	32819	PICK
2	001	32820	2
2	001	32824	DROP
2	001	32825	
2	001	32829	PICK
2	001	32830	1
2	001	32834	DROP
2	001	32835	CHAR-3.
2	001	32839	PICK
2	001	32840	C
2	001	32844	DROP
2	001	32845	
2	001	32849	PICK
2	001	32850	8
2	001	32854	DROP
2	001	32855	
2	001	32859	PICK
2	001	32860	A
2	001	32864	DROP
2	001	32865	
2	001	32869	PICK
2	001	32870	8
2	001	32874	DROP
2	001	32875	
2	001	32879	PICK
2	001	32880	4
2	001	32884	DROP
2	001	32885	
2	001	32889	PICK
2	001	32890	2
2	001	32894	DROP
2	001	32895	
2	001	32899	PICK
2	001	32900	1
2	001	32904	DROP
2	001	32905	CHAR-4
2	001	32909	PICK
2	001	32910	C
2	001	32914	DROP
2	001	32915	
2	001	32919	PICK
2	001	32920	B
2	001	32924	DROP
2	001	32925	
2	001	32929	PICK
2	001	32930	A
2	001	32934	DROP
2	001	32935	
2	001	32939	PICK
2	001	32940	8
2	001	32944	DROP
2	001	32945	
2	001	32949	PICK
2	001	32950	4
2	001	32954	DROP
2	001	32955	
2	001	32959	PICK
2	001	32960	2
2	001	32964	DROP
2	001	32965	
2	001	32969	PICK
2	001	32970	1

gns/g0015243.png

3	32974	35747 E747	DROP
001	32975		CHAR-5
3	32979	35757 E757	PICK
001	32980		C
3	32984	35762 E762	DROP
001	32985		
3	32989	35768 E768	PICK
001	32990		B
3	32994	35773 E773	DROP
001	32995		
3	32999	35779 E779	PICK
001	33000		A
3	33004	35784 E784	DROP
001	33005		
3	33009	35790 E790	PICK
001	33010		8
3	33014	35795 E795	DROP
001	33015		
3	33019	35801 E801	PICK
001	33020		4
3	33024	35806 E806	DROP
001	33025		
3	33029	35812 E812	PICK
001	33030		2
3	33034	35817 E817	DROP
001	33035		
3	33039	35823 E823	PICK
001	33040		1
3	33044	35828 E828	DROP
001	33045		CHAR-6
3	33049	35838 E838	PICK
001	33050		C
3	33054	35843 E843	DROP
001	33055		
3	33059	35849 E849	PICK
001	33060		B
3	33064	35854 E854	DROP
001	33065		
3	33069	35860 E860	PICK
001	33070		A
3	33074	35865 E865	DROP
001	33075		
3	33079	35871 E871	PICK
001	33080		8
3	33084	35876 E876	DROP
001	33085		
3	33089	35882 E882	PICK
001	33090		4
3	33094	35887 E887	DROP
001	33095		
3	33099	35893 E893	PICK
001	33100		2
3	33104	35898 E898	DROP
001	33105		
3	33109	35904 E904	PICK
001	33110		1
3	33114	35909 E909	DROP
001	33115		CHAR-7
3	33119	35919 E919	PICK
001	33120		C
3	33124	35924 E924	DROP
001	33125		
3	33129	35930 E930	PICK
001	33130		B
3	33134	35935 E935	DROP
001	33135		
3	33139	35941 E941	PICK
001	33140		A
3	33144	35946 E946	DROP
001	33145		
3	33149	35952 E952	PICK
001	33150		8
3	33154	35957 E957	DROP

2 001 34999
2 040 35039
2 010 35049
2 001 35050
2 040 35090
2 010 35100
2 001 35101
2 002 35103
2 001 35104
2 040 35144
2 040 35184
2 001 35185
2 040 35225
2 040 35265
2 001 35266
2 040 35306
2 040 35346
2 001 35347
2 040 35387
2 040 35427
2 001 35428
2 040 35468
2 040 35508
2 001 35509
2 040 35549
2 040 35589
2 001 35590
2 040 35630
2 040 35670
2 001 35671
2 040 35711
2 040 35751
2 001 35752
2 040 35792
2 040 35832
2 001 35833
2 040 35873
2 040 35913
2 001 35914
2 040 35954
2 040 35994
2 001 35995
2 040 36035
2 005 36040
2 001 36041
2 040 36081
2 040 36121
2 001 36122
2 040 36162
2 040 36202
2 001 36203
2 040 36243
2 040 36283
2 001 36284
2 040 36324
2 040 36364
2 001 36365
2 040 36405
2 040 36445
2 001 36446
2 040 36486
2 040 36526
2 001 36527
2 040 36567
2 040 36607
2 001 36608
2 040 36648
2 010 36658
2 001 36659
2 040 36699
2 010 36709
2 001 36710
2 040 36750

6	0	0	0	0	0	0	0
0	0						
7	0	0	0	0	0	0	0
0	0						

*
BIT -8- -C- -4- -B- -2- -A- -1-
CHAR PICK-DROP PICK-DROP PICK-DROP PI
CK-DROP PICK-DROP PICK-DROP PICK-DROP

0 000 000 000 000 000 000 0
00 000 000 000 000 000 000 000
1 000 000 000 000 000 000 000 0
00 000 000 000 000 000 000 000
2 000 000 000 000 000 000 000 0
00 000 000 000 000 000 000 000
3 000 000 000 000 000 000 000 0
00 000 000 000 000 000 000 000
4 000 000 000 000 000 000 000 0
00 000 000 000 000 000 000 000
5 000 000 000 000 000 000 000 0
00 000 000 000 000 000 000 000
6 000 000 000 000 000 000 000 0
00 000 000 000 000 000 000 000
7 000 000 000 000 000 000 000 0
00 000 000 000 000 000 000 000
WORD -0- -1- -2-
-3-
SET PICK-DROP PICK-DROP PICK-DROP PI
CK-DROP I BANK -----
----- I 0 000 000
0 000 000 I 000 000 000 000 0
00 000 I 1 000 000
1 000 000 I 000 000 000 0
00 000 I 2 000 000
2 000 000 I 000 000 000 0
00 000 I 3 000 000
3 000 000 I 000 000 000 0
00 000 I 4 000 000
4 000 000 I 4 000 000 0
00 000 I 5 000 000 000 0
00 000 000 000 000 000 0
6 000 000 000 000 000 000 0
00 000 000 000 000 000 0
7 000 000 000 000 000 000 0

gscans/g30 010 36760
2 001 36761
2 002 36763
2 001 36764
2 003 36767
2 001 36768
2 001 36769

00 000

■

#

000

■

■

APRIL 4, 1961 8SB15A

256 CHAR. FLD. S-1

```
000004 EEM 3 14 0000 06-0
000009 NOP A 0039
000114 SEL 2 0500
000119 WR R 1916
000224 SBZ % 05 0005 0 5
000229 SBZ % 06 0005 0 -5
000334 HLT J 0000
000339 SPC , 0000
000444 RCV U 31556 A556
000449 TSL 1 01 31389 A3Y9
00054 TR 1 23749 L749
```

HOUSEKEEPING
SW
901 - 2 TO PROGRAM
NOP TO TR
START - TO ENTER PROGRAM
RESET TAB FLD AND T/O
RESET PASS COUNTER

A07
A69

```
00059 SPC , 0000
00064 SET B 0001
00069 RCV U 1594
00074 SND / 1854
00079 SBR % 08 1594 1N94
00084 SBR % 08 1593 1N93
00089 SBR % 08 1592 1N92
00094 SBR % 08 1591 1N91
00099 SBR % 08 1590 1N90
00104 SET B 0051
00109 RCV U 1599
00114 SND / 1594
```

SET UP 256 CHAR. FLD. S-1

```
00119 SPC , 0000
00124 LSB , 04 1849 1Y49
00129 SPC , 1000
00134 LSB , 04 1849 1Y49
00139 SPC , 2000
00144 LSB , 04 1849 1Y49
00149 SPC , 3000
00154 LSB , 04 1849 1Y49
00159 TR 1 0174
00164 SPC , 4000
00169 LSB , 04 1849 1Y49
```

LOAD STORAGE

```
00174 RCV U 0411
00179 TSL 1 01 0274 02X4
00184 SBZ % 01 1855 18V5
```

BIT COMP.
TO RESET T/O
RESET ERROR INDICATOR

```
00189 SBN % 12 0416 0D16
00194 SBZ % 01 0419 04/9
00199 SBN % 10 0419 0MJ9
00204 SBZ % 03 0419 04A9
00209 SBN % 12 0419 0D19
00214 SBZ % 01 0418 04/8
00219 SBN % 10 0418 0MJ8
00224 SBZ % 03 0418 04A8
00229 SBN % 12 0418 0D18
00234 SBZ % 01 0417 04/7
00239 SBN % 10 0417 0MJ7
00244 SBZ % 03 0417 04A7
00249 SBN % 12 0417 0D17
00254 SBZ % 01 0416 04/6
00259 SBN % 10 0416 0MJ6
00264 SBZ % 03 0416 04A6
00269 TR 1 0419
```

RESET SPC TO ZERO

TO SPC

gscans/g0015318.png

001
004
008
010
012
015
017
020
022
026
028
031
033
037
039
043
046
049
052
055
057
059
060
062
063
065
066
068

00274 SBZ % 01 1881 18Y1
00279 SBZ % 02 1881 18Q1
00284 SBZ % 03 1881 18H1
00289 SBZ % 05 1881 1YY1
00294 SBZ % 01 1882 18Y2
00299 SBZ % 02 1882 18Q2
00304 SBZ % 03 1882 18H2
00309 SBZ % 05 1882 1YY2
00314 SBZ % 01 1883 18Y3
00319 SBZ % 02 1883 18Q3
00324 SBZ % 03 1883 18H3
00329 SBZ % 05 1883 1YY3

RESET T/O

BIT B

BIT A

00334 SBZ % 01 1884 18Y4
00339 SBZ % 02 1884 18Q4
00344 SBZ % 03 1884 18H4
00349 SBZ % 05 1884 1YY4
00354 SBZ % 01 1885 18Y5
00359 SBZ % 02 1885 18Q5
00364 SBZ % 03 1885 18H5
00369 SBZ % 05 1885 1YY5
00374 SBZ % 01 1886 18Y6
00379 SBZ % 02 1886 18Q6
00384 SBZ % 03 1886 18H6
00389 SBZ % 05 1886 1YY6
00394 SBZ % 01 1887 18Y7
00399 SBZ % 02 1887 18Q7
00404 SBZ % 03 1887 18H7
00409 SBZ % 05 1887 1YY7
00414 TR 1 0419

BIT 8

BIT 4

BIT 2

BIT 1

C01
C04
C06 00419 SPC , 0000
00424 NOP A 3 ABO ABO
00429 SBN % 13 0424 ODS4
00434 UFC , 03 1864 18F4

4 CHAR UNLOAD

NEXT PAGE

00439 RCV U 1864
00444 TZB 01 0454 04V4
00449 TR 1 0469
00454 SBN % 09 1855 1QV5
00459 SBN % 11 1887 1QH7
00464 SBN % 13 1887 1HY7
00469 TZB 02 0479 04P9
00474 TR 1 0494
00479 SBN % 09 1855 1QV5
00484 SBN % 11 1886 1QH6
00489 SBN % 13 1886 1HY6
00494 TZB 03 0504 05G4
00499 TR 1 0519
00504 SBN % 09 1855 1QV5
00509 SBN % 11 1885 1QH5
00514 SBN % 13 1885 1HY5
00519 TZB 04 0529 0V29
00524 TR 1 0544
00529 SBN % 09 1855 1QV5
00534 SBN % 11 1884 1QH4
00539 SBN % 13 1884 1HY4

00544 TZB 05 0554 0VV4
00549 TR 1 0569
00554 SBN % 09 1855 1QV5
00559 SBN % 11 1883 1QH3
00564 SBN % 13 1883 1HY3
00569 TZB 06 0579 0VP9
00574 TR 1 0594
00579 SBN % 09 1855 1QV5
00584 SBN % 11 1882 1QH2
00589 SBN % 13 1882 1HY2
00594 TZB 07 0604 0W64
00599 TR 1 0624
00604 SBN % 09 1855 1QV5
00609 SBN % 11 1881 1QH1
00614 SBN % 13 1881 1HY1
00619 TR 1 0624

00624 RCV U 1855
00629 TZB 01 0744 07U4
00634 SEL 2 0911
00639 TRS 0 0719
00644 RCV U 1874
00649 TMT 9 0419

00654 SBZ % 02 1879 18P9
00659 SBZ % 04 1879 1Y79
00664 SBZ % 01 1870 18X0
00669 SBZ % 02 1870 18P0
00674 SBZ % 04 1870 1Y70
00679 SBZ % 01 1875 18X5
00684 SBZ % 06 1875 1YP5
00689 RCV U 32619 B619
00694 TMT 9 0419
00699 RCV U 31971 A971
00704 TSL 1 01 31564 A5W4
00709 SEL 2 0500
00714 WR R 1867

ALL BIT COMP BIT-1

FORM D

BIT 2

FORM D

BIT 4

FORM D

BIT 8

BIT A

BIT B

BIT C

T/O ROUTINE

INTERROGATE ERROR INDIC.

911 ON - BYPASS T/O
LOAD SPC ADDR. INTO T/O FLD.

SET UP T/O

CHANGE R. M. TO BL.

CHANGE , TO BL.

CHANGE A TO BL.

SPC TO DECODE

TO DECODE

SPC AB -----

NEXT PAGE

gscans/g0015317.png

D03.....00719 SEL 2 0915
00724 TRS 0 0739
00729 RCV U 30061 8061
00734 TSL 1 01 23804 L8 4-----DR90
00739 TR 1 0744
E03.....00744 RCV U 0411
00749 TSL 1 01 0274 02X4-----B02

STORE ERRORS

915 ON BYP TAB

TO TAB

TO T/O RESET

00754 RCV U 1909
00759 TMT 9 0419
00764 RCV U 1431
00769 TSL 1 01 0814 08/4-----
00774 RCV U 0419
00779 TMT 9 1909
00784 RCV U 1915
00789 TZB 01 0804 08 4-----
00794 SBZ % 01 1855 18V5
00799 TR 1 0419-----C02
00804 SBN % 09 1915 1R/5-----
00809 TR 1 1449-----K06

PUT SPC IN WK II

TO &1 INC.

UNLOAD SPC &1

TO SPC
TURN ON END SECT. BIT
TO END SECT. ROUTINE

UPDATE SPC &1

F10
F15
F20
F26
F31
F37
F43
F49
F55
F59
F62
F65
F68.....00814 RCV U 1909
00819 TZB 01 0829 08S9-----
00824 TR 1 0869-----
00829 TZB 02 0869 0809-----
00834 TZB 03 0844 08D4-----
00839 TR 1 0869-----
00844 TZB 04 0869 0Y69-----
00849 SBN % 09 1909 1R 9
00854 SBZ % 02 1909 19-9
00859 SBZ % 04 1909 1Z09
00864 TR 1 1434-----J06
00869 TZB 01 0904 09 4-----
00874 TZB 02 0904 09-4-----
00879 TZB 03 0904 09&4-----
00884 SBZ % 01 1909 19 9
00889 SBZ % 03 1909 19&9
00894 SBN % 12 1909 1I09
00899 TR 1 0964-----G05

CHAR INC. &1
ZERO REXCOGNITION

TO WORD UPDATE

00904 TZB 01 0919 09/9-----
00909 SBZ % 01 1909 19 9
00914 TR 1 0929-----
00919 SBN % 09 1909 1R 9
00924 TR 1 1434-----J06
00929 TZB 02 0944 09M4-----
00934 SBZ % 02 1909 19-9
00939 TR 1 0954-----
00944 SBN % 10 1909 1R-9-----
00949 TR 1 1434-----J06
00954 SBN % 11 1909 1R&9-----
00959 TR 1 1434-----J06

INCREMENT OTHER &1

G04.....

```
00964 RCV U 1908
00969 TZB . 01 1004 10 4
00974 TZB . 02 1004 10-4
00979 SBZ % 01 1908 19 8
00984 SBN % 10 1908 1R-8
00989 SBZ % 03 1908 19&8
00994 SBN % 12 1908 1I08
00999 TR 1 1104
01004 TZB . 01 1014 10/4
01009 TR 1 1054
01014 TZB . 02 1054 10N4
01019 TZB . 03 1029 10B9
01024 TR 1 1054
01029 TZB . 04 1054 1 54
01034 SBN % 09 1908 1R 8
01039 SBZ % 02 1908 19-8
01044 SBZ % 04 1908 1Z08
01049 TR 1 1434
```

WORD INC

TO SET UPDA TE

J06

```
01054 TZB . 01 1084 10Y4
01059 SBZ % 01 1908 19 8
01064 TZB . 02 1094 10R4
01069 SBZ % 02 1908 19-8
01074 SBN % 11 1908 1R&8
01079 TR 1 1434
01084 SBN % 09 1908 1R 8
01089 TR 1 1434
01094 SBN % 10 1908 1R-8
01099 TR 1 1434
```

INC. OTHER &1

J06

J06

J06

```
01104 RCV U 1907
01109 TZB . 01 1149 11U9
01114 TZB . 02 1149 11M9
01119 TZB . 03 1149 11D9
01124 SBZ % 01 1907 19 7
01129 SBN % 10 1907 1R-7
01134 SBZ % 03 1907 19&7
01139 SBN % 12 1907 1I07
01144 TR 1 1259
01149 TZB . 01 1159 11V9
01154 TR 1 1199
01159 TZB . 02 1199 11R9
01164 TZB . 03 1174 11G4
01169 TR 1 1199
01174 TZB . 04 1199 1/99
01179 SBN % 09 1907 1R 7
01184 SBZ % 02 1907 19-7
01189 SBZ % 04 1907 1Z07
01194 TR 1 1434
```

SET INC

GO TO BANK UPDATE
ZERO RECOG.

J06

```
01199 TZB . 01 1214 12/4
01204 SBZ % 01 1907 19 7
01209 TR 1 1224
01214 SBN % 09 1907 1R 7
01219 TR 1 1434
01224 TZB . 02 1239 12L9
01229 SBZ % 02 1907 19-7
01234 TR 1 1249
01239 SBN % 10 1907 1R-7
01244 TR 1 1434
01249 SBN % 11 1907 1R&7
01254 TR 1 1434
01259 TR 1 1304
```

INC. OTHER &1

J06

J06

J06

TRANS. TO FOUR BANK UPDATE

gscans/g001

```

01269 RCV U 1906
01269 TZB 01 1279 12X9
01274 TR 1 1329
01279 TZB 02 1289 12Q9
01284 TR 1 1329
01289 TZB 03 1329 13B9
01294 SBZ 01 1915 19/5
01299 TR 1 1434

```

BANK INC

SET END SECT. BIT

H05.....

```

01304 RCV U 1906
01309 TZB 01 1329 13S9
01314 TZB 02 1329 13K9
01319 SBZ 01 1915 19/5
01324 TR 1 1434
01329 TZB 01 1339 13T9
01334 TR 1 1379
01339 TZB 02 1379 13P9
01344 TZB 03 1354 13E4
01349 TR 1 1379
01354 TZB 04 1379 1T79
01359 SBN 09 1906 1R 6
01364 SBZ 02 1906 19-6
01369 SBZ 04 1906 1Z06
01374 TR 1 1434

```

FOUR BANK INC

TO &1 INC.

TO &1 INC.

SET END SECT. BIT

ZERO RECOG.

```

01379 TZB 01 1394 13Z4
01384 SBZ 01 1906 19 6
01389 TR 1 1404
01394 SBN 09 1906 1R 6
01399 TR 1 1434
01404 TZB 02 1419 14J9
01409 SBZ 02 1906 19-6
01414 TR 1 1429
01419 SBN 10 1906 1R-6
01424 TR 1 1434
01429 SBN 11 1906 1R&6

```

INC. OTHER &1

J04

J05.....

```

01434 TR 1 0419
01439 RCV U 0419
01444 TMT 9 1909

```

-----C02 TO SPC
UNLOAD SPC &1

END OF SECT ROUT.

K04.....

```

01449 SEL 2 0911
01454 TRS 0 1469
01459 SEL 2 0500
01464 WR R 1897

```

911 ON BYPASS T/O

S-1

RESET SPC TO ZERO

```

01469 SBZ 01 0419 04/9
01474 SBZ 03 0419 04A9
01479 SBN 10 0419 0MJ9
01484 SBN 12 0419 0D19
01489 SBZ 01 0418 04/8
01494 SBZ 03 0418 04A8
01499 SBN 10 0418 0MJ8
01504 SBN 12 0418 0D18
01509 SBZ 01 0417 04/7
01514 SBZ 03 0417 04A7
01519 SBN 10 0417 0MJ7
01524 SBN 12 0417 0D17
01529 SBZ 01 1855 18V5
01534 SBZ 01 0416 04/6
01539 SBZ 03 0416 04A6
01544 SBN 10 0416 0MJ6
01549 SBN 12 0416 0D16

```

RESET ERROR INDIC

NEXT PAGE


```

01554 SEL 2 0916
01559 TRS 0 1569-----
01564 TR 1 1579-----
01569 RCV U 31556 A556.....
01574 TSL 1 01 31079 AOX9-----DS90
01579 SEL 2 0912.....
01584 TRS 0 0059-----A01
01589 TR 1 1939-----

```

TO TAB WR ROUT

GO TO S-2

CONSTANTS

```

2 050 01639
2 050 01689
2 050 01739
2 050 01789
2 050 01839
2 010 01849
2 001 01850
2 001 01851
2 001 01852
2 001 01853
2 001 01854
2 001 01855
2 005 01864 00
2 005 01869
2 010 01879 00
2 008 01887
2 008 01895
2 001 01896
2 003 01899
2 001 01900
2 010 01914 00
2 001 01915
2 016 01931
2 001 01932

```

```

SPC
AB
WD 000
S-1
WK AREA II SPC INC.
1 END SECT. LATCH
901-2 TO PROGRAM

```

SECT 2 NO BITS
SET UP 256 CHAR. FLD.

```

L10.....01939 SPC , 0000.....
01944 SET B 0001
01949 RCV U 2734
01954 SND / 2994
01959 SBZ % 05 2734 2XT4
01964 SBZ % 05 2733 2XT3
01969 SBZ % 05 2732 2XT2
01974 SBZ % 05 2731 2XT1
01979 SBZ % 05 2730 2XT0
01984 SET B 0051
01989 RCV U 2739
01994 SND / 2734

```

HOUSEKEEPING

```

01999 SPC , 0000
02004 LSB , 04 2989 2Z89
02009 SPC , 1000
02014 LSB , 04 2989 2Z89
02019 SPC , 2000
02024 LSB , 04 2989 2Z89
02029 SPC , 3000
02034 LSB , 04 2989 2Z89
02039 TR 1 2054-----M08
02044 SPC , 4000
02049 LSB , 04 2989 2Z89

```

LOAD STORAFE

NEXT PAGE

gscans/g0015315.png

M07.....

```

02054 SBZ % 01 2995 2925
02059 SBZ % 01 2149 21U9
02064 SBN % 10 2149 2JM9
02069 SBZ % 03 2149 21D9
02074 SBN % 12 2149 2A49
02079 SBZ % 01 2148 21U8
02084 SBN % 10 2148 2JM8
02089 SBZ % 03 2148 21D8
02094 SBN % 12 2148 2A48
02099 SBZ % 01 2147 21U7
02104 SBN % 10 2147 2JM7
02109 SBZ % 03 2147 21D7
02114 SBN % 12 2147 2A47
02119 SBZ % 01 2146 21U6
02124 SBN % 10 2146 2JM6
02129 SBZ % 03 2146 21D6
02134 SBN % 12 2146 2A46
02139 RCV U 0411
02144 TSL 1 01 0274 02X4

```

RESET SPC TO ZERO AND
RESET ERROR INDIC

TO RESET T/O

BIT COMP.

N10.....

```

02149 SPC , 0000
02154 NOP A 3 NBO NBO
02159 SBN % 13 2154 2AV4
02164 UFC , 03 3004 30&4

```

CHANGE ZERO TO R.M.
PLACE 4 CHAR. 1N WK. AREA

```

02169 RCV U 3004
02174 TZB . 01 2184 21Y4
02179 TR 1 2219
02184 TZB . 02 2219 22J9
02189 TZB . 03 2219 22A9
02194 TZB . 04 2219 2S19
02199 TZB . 05 2219 2S/9
02204 TZB . 06 2219 2SJ9
02209 TZB . 07 2219 2SA9
02214 TR 1 2524

```

DILROY COMP.

TO NO BIT COMP.
TO NO BIT COMP.
TO NO BIT COMP.
TO NO BIT COMP.
TO NO BIT COMP.
TO NO BIT COMP.
TO NO BIT COMP.
DULROY NO ERROR

```

02219 RCV U 3004
02224 NOP A 0000
02229 TZB . 01 2254 22V4
02234 SBN % 09 2995 2RZ5
02239 SBN % 09 1887 1QY7
02244 SBN % 10 1887 1QQ7
02249 SBN % 11 1887 1QH7
02254 TZB . 02 2279 22P9
02259 SBN % 09 2995 2RZ5
02264 SBN % 09 1886 1QY6
02269 SBN % 10 1886 1QQ6
02274 SBN % 11 1886 1QH6
02279 TZB . 03 2304 23&4
02284 SBN % 09 2995 2RZ5
02289 SBN % 09 1885 1QY5
02294 SBN % 10 1885 1QQ5
02299 SBN % 11 1885 1QH5

```

COMP FOTR NO BITS

BIT 1

FORM R

BIT 2

FORM P

BIT 4

FORM P

NEXT PAGE

P08.....
02304 TZB 04 2329 2T29
02309 SBN % 09 2995 2RZ5
02314 SBN % 09 1884 1QY4
02319 SBN % 10 1884 1QQ4
02324 SBN % 11 1884 1QH4
02329 TZB 05 2354 2TV4
02334 SBN % 09 2995 2RZ5
02339 SBN % 09 1883 1QY3
02344 SBN % 10 1883 1QQ3
02349 SBN % 11 1883 1QH3
02354 TZB 06 2379 2TP9
02359 SBN % 09 2995 2RZ5
02364 SBN % 09 1882 1QY2
02369 SBN % 10 1882 1QQ2
02374 SBN % 11 1882 1QH2
02379 TZB 07 2404 2UE4
02384 SBN % 09 2995 2RZ5
02389 SBN % 09 1881 1QY1
02394 SBN % 10 1881 1QQ1
02399 SBN % 11 1881 1QH1

02404 RCV U 2995
02409 TZB 01 2499 24Z9
02414 SEL 2 0911
02419 TRS 0 2499
02424 RCV U 1874
02429 TMT 9 2149

02434 SBZ % 02 1879 18P9
02439 SBZ % 04 1879 1Y79
02444 SBZ % 01 1870 18X0
02449 SBZ % 02 1870 18P0
02454 SBZ % 04 1870 1Y70
02459 SBZ % 01 1875 18X5
02464 SBZ % 06 1875 1YP5
02469 RCV U 32619 B619
02474 TMT 9 2149
02479 RCV U 31971 A971
02484 TSL 1 01 31564 A5W4
02489 SEL 2 0500
02494 WR R 1867

02499 SEL 2 0915
02504 TRS 0 2519
02509 RCV U 30061 8061
02514 TSL 1 01 23804 L8 4
02519 TR 1 2524

BIT 8

FORM P

BIT A

FORM P

BIT B

FORM P

BIT C

FORM P

T/O ROUTINE

INTERROGATE ERROR INDIC.
NO ERROR - BYPASS T/O

911 ON - BYPASS T/O
LOAD SPC ADDR. INTO T/O FLD.

SET UP T/O

CHANGE RM TO BL.
CHANGE , TO BL.

TO BSW - WD DECODE

SPC NB

STORE ERRORS

915 ON BYPASS STORINF ERRORS
TO TAB

Q08
Q09.....02524 RCV U 0411
02529 TSL 1 01 0274 02X4-----B02
02534 RCV U 1909
02539 TMT 9 2149
02544 RCV U 1431
02549 TSL 1 01 0814 08/4-----F04
02554 RCV U 2149
02559 TMT 9 1909
02564 RCV U 1915
02569 TZB 1 01 2579 25X9-----
02574 TR 1 2149-----N08
02579 SBN % 09 1915 1R/5.....
02584 TR 1 2589-----

END OF SECTION.
TO SPC.

END OF SECT. ROUTINE

02589 SEL 2 0911.....
02594 TRS O 2609-----
02599 SEL 2 0500
02604 WR R 3006

911 ON BYPASS T/O

RESET SPC TO ZERO

02609 SBZ % 01 2149 21U9.....
02614 SBZ % 03 2149 21D9
02619 SBN % 10 2149 2JM9
02624 SBN % 12 2149 2A49
02629 SBZ % 01 2148 21U8
02634 SBZ % 03 2148 21D8
02639 SBN % 10 2148 2JM8
02644 SBN % 12 2148 2A48
02649 SBZ % 01 2147 21U7
02654 SBZ % 03 2147 21D7
02659 SBN % 10 2147 2JM7
02664 SBN % 12 2147 2A47
02669 SBZ % 01 2995 29Z5
02674 SBZ % 01 2146 21U6
02679 SBZ % 03 2146 21D6
02684 SBN % 10 2146 2JM6
02689 SBN % 12 2146 2A46

RESET ERROR INDIC

02694 SEL 2 0916
02699 TRS O 2709-----
02704 TR 1 2719-----
02709 RCV U 31556 A556.....
02714 TSL 1 01 31079 A0X9-----DS90
02719 SEL 2 0912.....
02724 TRS O 1939-----L07
02729 TR 1 3014-----R11

TO TAB WR ROUT
912 ON RPT. S-2
GO TO S-3

CONSTANTS

2 050 02779
2 050 02829
2 050 02879
2 050 02929
2 050 02979
2 010 02989
2 005 02994
2 001 02995
2 005 03004 00
2 001 03005
2 003 03008
2 001 03009

1
S-2
□

R10

R15.....

```

03014 SPC , 0000
03019 SET B 15 0016 0&A6
03024 RCV U 4837
03029 TMT 9 15 4853 4HE3
03034 SBN % 12 4852 4H52
03039 SBN % 12 4851 4H51
03044 SBN % 12 4850 4H50
03049 SBN % 12 4849 4H49
03054 SBN % 12 4848 4H48
03059 SBN % 12 4847 4H47
03064 SBN % 12 4846 4H46
03069 SBN % 12 4845 4H45

```

```

03074 SBR % 08 4851 4Q51
03079 SBR % 08 4850 4Q50
03084 SBR % 08 4849 4Q49
03089 SBR % 08 4848 4Q48
03094 SBR % 08 4847 4Q47
03099 SBR % 08 4846 4Q46
03104 SBR % 08 4845 4Q45
03109 SBR % 08 4852 4Q52
03114 SBZ % 01 4844 48U4
03119 SBZ % 01 4843 48U3
03124 SBZ % 01 4842 48U2
03129 SBZ % 01 4841 48U1
03134 SBZ % 01 4840 48U0
03139 SBZ % 01 4839 48T9
03144 SBZ % 01 4838 48T8
03149 SBZ % 01 4837 48T7

```

```

03154 SPC , 0000
03159 LSB , 04 4852 4Y52
03164 USB , 05 4836 4YT6
03169 USB , 05 4820 4YS0
03174 USB , 05 4804 4Y 4
03179 USB , 05 4788 4XY8
03184 USB , 05 4772 4XX2
03189 USB , 05 4756 4XV6
03194 USB , 05 4740 4XU0
03199 USB , 05 4724 4XS4
03204 USB , 05 4708 4X 8
03209 USB , 05 4692 4WZ2
03214 USB , 05 4676 4WX6
03219 USB , 05 4660 4WW0
03224 USB , 05 4644 4WU4
03229 USB , 05 4628 4WS8
03234 USB , 05 4612 4W/2
03239 USB , 05 4596 4VZ6

```

NEXT PAGE

```

313.png
03244 SBZ % 01 3394 33Z4
03249 SBN % 10 3394 3LR4
03254 SBZ % 03 3394 3314
03259 SBN % 12 3394 3C94
03264 SBZ % 01 3393 33Z3
03269 SBN % 10 3393 3LR3
03274 SBZ % 03 3393 3313
03279 SBN % 12 3393 3C93
03284 SBZ % 01 3392 33Z2
03289 SBN % 10 3392 3LR2
03294 SBZ % 03 3392 3312
03299 SBN % 12 3392 3C92
03304 SBZ % 01 3391 33Z1
03309 SBN % 10 3391 3LR1
03314 SBZ % 03 3391 3311
03319 SBN % 12 3391 3C91
03324 RCV U 0411
03329 TSL 1 01 0274 02X4-----B02

```

TO RESET T/O

```

□□□□□□□□□□□□↓□□□□□□□□□□□□
□ 03334 SPC , 0000 □
□ 03339 LSB , 04 4836 4Y36 □
□ 03344 SPC , 1000 □
□ 03349 LSB , 04 4836 4Y36 □
□ 03354 SPC , 2000 □
□ 03359 LSB , 04 4836 4Y36 □
□ 03364 SPC , 3000 □
□ 03369 LSB , 04 4836 4Y36 □
□ 03374 TR 1 3389-----□-
□ 03379 SPC , 4000 □
□ 03384 LSB , 04 4836 4Y36 □
□□□□□□□□□□□□I□□□□□□□□□□□□I

```

```

000000000000V000000000000I
03389 SBZ % 01 4330 43T0..I
03394 SPC , 0000
03399 NOP A 3 JB0 JB0
03404 SBN % 13 3399 3CZ9
03409 RCV U 3393
03414 TZB . 01 3424 34S4-
03419 TR 1 3619-----U13

```

S15.....

CHANGE ZERO TO R.M.
TEST FOR GM OR BL COMP.
TO GM COMP.
TO BL. COMP.

[illegible]

FORM D

NEXT PAGE

gans/g0015251.png

T12..... 03514 TZB • 04 3524 3V24-
03519 TR 1 3539-
03524 SBN % 09 4330 4LT0-
03529 SBN % 11 1884 1QH4-
03534 SBN % 13 1884 1HY4-
03539 TZB • 05 3549 3VU9-
03544 TR 1 3564-
03549 SBN % 09 4330 4LT0-
03554 SBN % 11 1883 1QH3-
03559 SBN % 13 1883 1HY3-
03564 TZB • 06 3574 3VP4-
03569 TR 1 3589-
03574 SBN % 09 4330 4LT0-
03579 SBN % 11 1882 1QH2-
03584 SBN % 13 1882 1HY2-
03589 TZB • 07 3599 3VI9-
03594 TR 1 3864-----W14
03599 SBN % 09 4330 4LT0-
03604 SBN % 11 1881 1QH1-
03609 SBN % 13 1881 1HY1-
03614 TR 1 3864-----W14

BIT 8

FORM D

BITA

FORM D

BIT B

FORM D

BIT C

FORM D

U12..... 03619 UFC , 03 4329 43B9-
03624 RCV U 4329-
03629 TZB • 01 3639 36T9-
03634 TR 1 3674-
03639 TZB • 02 3674 36P4-
03644 TZB • 03 3674 36G4-
03649 TZB • 04 3674 3W74-
03654 TZB • 05 3674 3WX4-
03659 TZB • 06 3674 3WP4-
03664 TZB • 07 3674 3WG4-
03669 TR 1 3989-----X14

DILROY COMPZ.

03674 RCV U 4329-
03679 NOP A 0000-
03684 TZB • 01 3709 37 9-
03689 SBN % 09 4330 4LT0-
03694 SBN % 09 1887 1QY7-
03699 SBN % 10 1887 1QQ7-
03704 SBN % 11 1887 1QH7-
03709 TZB • 02 3734 37L4-
03714 SBN % 09 4330 4LT0-
03719 SBN % 09 1886 1QY6-
03724 SBN % 10 1886 1QQ6-
03729 SBN % 11 1886 1QH6-
03734 TZB • 03 3759 37E9-----V14
03739 SBN % 09 4330 4LT0-
03744 SBN % 09 1885 1QY5-
03749 SBN % 10 1885 1QQ5-
03754 SBN % 11 1885 1QH5-

BL. COMP.

FORM P

BIT 2

FORM P

BIT 4

FORM P

NEXT PAGE

FROM PREVIOUS PAGE

PAGE 14 OF 71

8SB15

V13..... 03759 TZB 04 3784 3X84 - - -
 03764 SBN % 09 1884 1QY4 I
 03769 SBN % 10 1884 1QQ4 I
 03774 SBN % 11 1884 1QH4 I
 03779 SBN % 09 4330 4LT0 I
 03784 TZB 05 3809 3Y 9 - - -
 03789 SBN % 09 4330 4LT0 I
 03794 SBN % 09 1883 1QY3 I
 03799 SBN % 10 1883 1QQ3 I
 03804 SBN % 11 1883 1QH3 I
 03809 TZB 06 3834 3YL4 - - -
 03814 SBN % 09 4330 4LT0 I
 03819 SBN % 09 1882 1QY2 I
 03824 SBN % 10 1882 1QQ2 I
 03829 SBN % 11 1882 1QH2 I
 03834 TZB 07 3859 3YE9 - - -
 03839 SBN % 09 4330 4LT0 I
 03844 SBN % 09 1881 1QY1 I
 03849 SBN % 10 1881 1QQ1 I
 03854 SBN % 11 1881 1QH1 I
 03859 TR 1 3989 - - -
 W13..... 03864 RCV U 4330
 03869 TZB 01 3984 39Y4 - - -
 03874 SEL 2 0911 I
 03879 TRS 0 3964 - - -
 03884 RCV U 1874 III
 03889 TMT 9 3394 III
 03894 SBZ % 02 1879 18P9 III
 03899 SBZ % 04 1879 1Y79 III
 03904 SBZ % 01 1870 18X0 III
 03909 SBZ % 02 1870 18P0 III
 03914 SBZ % 04 1870 1Y70 III
 03919 SBN % 13 1877 1HX7 III
 03924 SBZ % 01 1875 18X5 III
 03929 SBZ % 06 1875 1YP5 III
 03934 RCV U 32619 B619 III
 03939 TMT 9 3394 III
 03944 RCV U 31971 A971 III
 03949 TSL 1 01 31564 A5W4 - - - DU90
 03954 SEL 2 0500 III
 03959 WR R 1867 III
 03964 SEL 2 0915..... III
 03969 TRS 0 3984 - - -
 03974 RCV U 30061 8061 I
 03979 TSL 1 01 23804 L8 4 - - - DR90
 03984 TR 1 4114 - - - AA15
 X13..... 03989 RCV U 4330.....
 03994 TZB 01 4109 41 9 - - - Z15
 03999 SEL 2 0911
 04004 TRS 0 4089 - - - Y15
 04009 RCV U 1874
 04014 TMT 9 3394
 04019 SBZ % 02 1879 18P9
 04024 SBZ % 04 1879 1Y79
 04029 SBZ % 01 1870 18X0
 04034 SBZ % 02 1870 18P0
 04039 SBZ % 04 1870 1Y70
 04044 SBN % 11 1877 1QG7
 04049 SBZ % 01 1875 18X5
 04054 SBZ % 06 1875 1YP5

BIT 8
FORM PBIT A
FORM PBIT B
FORM PBIT C
FORM P

G.M. COMP. T/O ROUTINE

NO ERR - BYP T/O

911 ON BYP T/O

LOAD SPC ADDR. INTO T/O FLD

CHANGE RM TO BL

CHANGE, TO BL.

CHANGE J TO A.
CHANGE A TO BL.

TO BSW-WD DECODE

915 ON BYP TAB

TO TAB
TO RESET T/O AND UPDATE SPC & 1

BL COMP. T/O ROUTINE

NO ERR - BYP T/O

911 ON BYP T/O

RM-BL

COMMA-BL.

J-N
A-BL

NEXT PAGE

FROM PREVIOUS PAGE

PAGE 15 OF 71

8SB15

04059 RCV U 32619 B619
 04064 TMT 9 3394
 04069 RCV U 31971 A971
 04074 TSL 1 01 31564 A5W4-----DU90
 04079 SEL 2 0500
 04084 WR R 1867
 Y14.....04089 SEL 2 0915
 04094 TRS O 4109-----
 04099 RCV U 30061 6061
 04104 TSL 1 01 23804 L8 4-----DR90
 Z14.....04109 TR 1 4114-----
 04114 RCV U 0411-----
 04119 TSL 1 01 0274 02X4-----B02
 04124 RCV U 1909
 04129 TMT 9 3394
 04134 RCV U 1431
 04139 TSL 1 01 0814 08/4-----F04
 04144 RCV U 3394
 04149 TMT 9 1909
 04154 SBZ % 01 4330 43T0
 04159 RCV U 1915
 04164 TZB % 01 4174 41X4-----
 04169 TR 1 3394-----S12
 04174 SBN % 09 1915 1R/5-----
 04179 TR 1 4184-----

TO BSW-WD DECODE

915 ON BYP TAB

TO TAB

TO RESET T/O AND UPDATE SPC &1

RESET T/O AND UPDATE SPC &1

TO RESET T/O

TO INC SPC &1

RESET ERROR INDIC

TO SPC

TO END SECTION ROUT.

END OF SECTION ROUTINE

911 ON BYPASS T/O

RESET SPC TO ZERO AND REPEAT

04184 SEL 2 0911-----
 04189 TRS O 4204-----
 04194 SEL 2 0500
 04199 WR R 4870

04204 SBZ % 01 3394 33Z4
 04209 SBN % 10 3394 3LR4
 04214 SBZ % 03 3394 33I4
 04219 SBN % 12 3394 3C94
 04224 SBZ % 01 3393 33Z3
 04229 SBN % 10 3393 3LR3
 04234 SBZ % 03 3393 33I3
 04239 SBN % 12 3393 3C93
 04244 SBZ % 01 3392 33Z2
 04249 SBN % 10 3392 3LR2
 04254 SBZ % 03 3392 33I2
 04259 SBN % 12 3392 3C92
 04264 SBZ % 01 4330 43T0
 04269 SBZ % 01 3391 33Z1
 04274 SBN % 10 3391 3LR1
 04279 SBZ % 03 3391 33I1
 04284 SBN % 12 3391 3C91

RESET ERROR INDIC

04289 SEL 2 0916
 04294 TRS O 4304-----
 04299 TR 1 4314-----
 04304 RCV U 31556 A556-----
 04309 TSL 1 01 31079 AOX9-----DS90
 04314 SEL 2 0912-----
 04319 TRS O 3014-----R11
 04324 TR 1 4879-----AB16

TO TAB WR ROUT

912 ON RPT. S-3
GO TO S-4


```

AC20.....05259 SPC , 0000.....
05264 NOP A 3 JB0 JB0
05269 SBN % 13 5264 5BW4
05274 RCV U 5258
05279 TZB . 01 5484 54Y4
05284 TR 1 5289

```

CHANGE ZERO TO R.M.
TEST FOR GM OR BL COMP.
TO BL COMP
TO GM COMP.

G.M. COMP.

gscans/g0015310.png

AD17.....

```

05289 UFC , 03 6194 6114
05294 NOP A 0000
05299 RCV U 6194
05304 TZB . 01 5314 53/4-
05309 TR 1 5329-
05314 SBN % 09 6195 6JZ5.
05319 SBN % 11 1887 1QH7
05324 SBN % 13 1887 1HY7
05329 TZB . 02 5339 53L9-
05334 TR 1 5354-
05339 SBN % 09 6195 6JZ5.
05344 SBN % 11 1886 1QH6
05349 SBN % 13 1886 1HY6
05354 TZB . 03 5364 53F4-
05359 TR 1 5379-
05364 SBN % 09 6195 6JZ5.
05369 SBN % 11 1885 1QH5
05374 SBN % 13 1885 1HY5

```

BIT 1

FORM D

BIT 2

FORM D

BIT 4

FORM D

```

05379 TZB . 04 5389 5T89-
05384 TR 1 5404-
05389 SBN % 09 6195 6JZ5.
05394 SBN % 11 1884 1QH4
05399 SBN % 13 1884 1HY4
05404 TZB . 05 5414 5U/4-
05409 TR 1 5429-
05414 SBN % 09 6195 6JZ5.
05419 SBN % 11 1883 1QH3
05424 SBN % 13 1883 1HY3
05429 TZB . 06 5439 5UL9-
05434 TR 1 5454-
05439 SBN % 09 6195 6JZ5.
05444 SBN % 11 1882 1QH2
05449 SBN % 13 1882 1HY2
05454 TZB . 07 5464 5UF4-
05459 TR 1 5729-
05464 SBN % 09 6195 6JZ5.
05469 SBN % 11 1881 1QH1
05474 SBN % 13 1881 1HY1
05479 TR 1 5729-

```

BIT 8

FORM D

BITA

FORM D

BIT B

FORM D

BIT C

FORM D

AG19

AG19

AE17.....

```

05484 UFC , 03 6194 6114
05489 RCV U 6194
05494 TZB . 01 5504 55 4-
05499 TR 1 5539-
05504 TZB . 02 5539 55L9-
05509 TZB . 03 5539 55C9-
05514 TZB . 04 5539 5V39-
05519 TZB . 05 5539 5VT9-
05524 TZB . 06 5539 5VL9-
05529 TZB . 07 5539 5VC9-
05534 TR 1 5854-

```

DILROY COMP.

AF19

AF19

AF19

AF19

AF19

AF19

AK20

```
AF18.....05539 RCV U      6194
05544 NOP A      0000
05549 TZB • 01 5574 55X4
05554 SBN % 09 6195 6JZ5
05559 SBN % 09 1887 1QY7
05564 SBN % 10 1887 1QQ7
05569 SBN % 11 1887 1QH7
05574 TZB • 02 5599 55R9
05579 SBN % 09 6195 6JZ5
05584 SBN % 09 1886 1QY6
05589 SBN % 10 1886 1QQ6
05594 SBN % 11 1886 1QH6
05599 TZB • 03 5624 56B4
05604 SBN % 09 6195 6JZ5
05609 SBN % 09 1885 1QY5
05614 SBN % 10 1885 1QQ5
05619 SBN % 11 1885 1QH5
05624 TZB • 04 5649 5W49
05629 SBN % 09 6195 6JZ5
05634 SBN % 09 1884 1QY4
05639 SBN % 10 1884 1QQ4
05644 SBN % 11 1884 1QH4
05649 TZB • 05 5674 5WX4
05654 SBN % 09 6195 6JZ5
05659 SBN % 09 1883 1QY3
05664 SBN % 10 1883 1QQ3
05669 SBN % 11 1883 1QH3
05674 TZB • 06 5699 5WR9
05679 SBN % 09 6195 6JZ5
05684 SBN % 09 1882 1QY2
05689 SBN % 10 1882 1QQ2
05694 SBN % 11 1882 1QH2
05699 TZB • 07 5724 5XB4
05704 SBN % 09 6195 6JZ5
05709 SBN % 09 1881 1QY1
05714 SBN % 10 1881 1QQ1
05719 SBN % 11 1881 1QH1
05724 TR 1 5854
AK20
```

FORM P

BIT 2

FORM P

BIT 4

FORM P

BIT 8

FORM P

BIT A

FORM P

BIT B

FORM P

BIT C

FORM P

```
AG18.....05729 RCV U      6195
05734 TZB • 01 5849 58U9
05739 SEL 2      0911
05744 TRS O      5829
05749 RCV U      1874
05754 TMT 9      5259
05759 SBZ % 02 1879 18P9
05764 SBZ % 04 1879 1Y79
05769 SBZ % 01 1870 18X0
05774 SBZ % 02 1870 18P0
05779 SBZ % 04 1870 1Y70
05784 SBN % 13 1877 1HX7
05789 SBZ % 01 1875 18X5
```

G.M. COMP. T/O ROUTINE

NO ERR - BYP T/O

911 ON BYP T/O

PUT SPC IN T/O AREA.

CHANGE RM TO BL.

CHANGE , TO BL

CHANGE J TO A

CHANGE A TO BL

NEXT PAGE

gscans/g0015308
05794 RCV U 32619 B619
05799 RCV U 32619 B619
05804 TMT 9 5259
05809 RCV U 31971 A971
05814 TSL 1 01 31564 A5W4-----DU90
05819 SEL 2 0500
05824 WR R 1867
AH19.....05829 SEL 2 0915
05834 TRS 0 5849-----
05839 RCV U 30061 &061
05844 TSL 1 01 23804 L8 4-----DR90
AJ19.....05849 TR 1 5979

AK18
AK19.....05854 RCV U 6195
05859 TZB 01 5974 59X4-----
05864 SEL 2 0911
05869 TRS 0 5954-----
05874 RCV U 1874
05879 TMT 9 5259
05884 SBZ % 02 1879 18P9
05889 SBZ % 04 1879 1Y79
05894 SBZ % 01 1870 18X0
05899 SBZ % 02 1870 18P0
05904 SBZ % 04 1870 1Y70
05909 SBN % 11 1877 1QG7
05914 SBZ % 01 1875 18X5
05919 SBZ % 06 1875 1YP5

05924 RCV U 32619 B619
05929 TMT 9 5259
05934 RCV U 31971 A971
05939 TSL 1 01 31564 A5W4-----DU90
05944 SEL 2 0500
05949 WR R 1867
05954 SEL 2 0915.....
05959 TRS 0 5974-----
05964 RCV U 30061 &061
05969 TSL 1 01 23804 L8 4-----DR90
05974 TR 1 5979

05979 SBZ % 01 6195 61Z5.....
05984 RCV U 0411
05989 TSL 1 01 0274 02X4-----B02
05994 RCV U 1909
05999 TMT 9 5259
06004 RCV U 1431
06009 TSL 1 01 0814 08/4-----F04
06014 RCV U 5259
06019 TMT 9 1909
06024 RCV U 1915
06029 TZB 01 6039 60T9-----
06034 TR 1 5259-----AC17
06039 SBN % 09 1915 1R/5.....
06044 TR 1 6049-----

06049 SEL 2 0911.....
06054 TRS 0 6069-----AL21
06059 SEL 2 0500
06064 WR R 6735

NEXT PAGE

TO BSW-WD DECODE
TO BSW - WD DECODE

SPC AB -----
915 ON BYP TAB

TO TAB
TO RESET T/O AND UPDATE SPC &1

BL COMP. T/O ROUTINE

NO ERR - BYP T/O

911 ON BYP T/O

SPC TO T/O AREA.

CHANGE RM TO BL

CHANGE , TO BL

CHANGE J TO N
CHANGE A TO BL

TO BSW-WD DECODE

SPC N B -----
915 ON BYP TAB

TO TAB
TO RESET T/O AND UPDATE SPC &1

RESET T/O AND UPDATE SPC &1

RESET ERROR INDICATOR

TO RESET T/O

TO INC SPC &1

TO SPC.

TO END SECT ROUT.

END OF SECTION ROUTINE

911 ON BYPASS T/O

S-4

RESET SPC TO ZERO AND REPEAT

AL20.....

06069	SBZ	%	01	5259	52V9	□
06074	SBN	%	10	5259	5KN9	□
06079	SBZ	%	03	5259	52E9	□
06084	SBN	%	12	5259	5B59	□
06089	SBZ	%	01	5258	52V8	□
06094	SBN	%	10	5258	5KN8	□
06099	SBZ	%	03	5258	52E8	□
06104	SBN	%	12	5258	5B58	□
06109	SBZ	%	01	5257	52V7	□
06114	SBN	%	10	5257	5KN7	□
06119	SBZ	%	03	5257	52E7	□
06124	SBN	%	12	5257	5B57	□
06129	SBZ	%	01	6195	61Z5	□
06134	SBZ	%	01	5256	52V6	□
06139	SBN	%	10	5256	5KN6	□
06144	SBZ	%	03	5256	52E6	□
06149	SBN	%	12	5256	5B56	□

RESET ERROR INDIC

06154	SEL	2	0916	□
06159	TRS	0	6169	□
06164	TR	1	6179	□
06169	RCV	U	31556	A556
06174	TSL	1	01	31079
06179	SEL	2	0912	□
06184	TRS	0	4879	□
06189	TR	1	6744	□

TO TAB WR ROUT
912 ON RPT. S-4
GO TO S-5

CONSTANTS

2	005	06194	00
2	001	06195	
2	050	06245	
2	050	06295	
2	050	06345	
2	050	06395	
2	050	06445	
2	050	06495	
2	050	06545	
2	050	06595	
2	050	06645	
2	050	06695	
2	006	06701	
2	016	06717	
2	016	06733	
2	001	06734	
2	003	06737	
2	001	06738	

GGGGGGGG11111111
S-4
□

SET UP CONST. FLD. 256 CHAR.

AM26.....

06744	SPC	15	0000	□
06749	SET	B	0016	Q&A6
06754	RCV	U	8592	□
06759	TMT	9	8608	8F&8
06764	SBZ	%	01	8606
06769	SBZ	%	01	8604
06774	SBZ	%	01	8602
06779	SBZ	%	01	8600
06784	SBZ	%	01	8599
06789	SBZ	%	01	8597
06794	SBZ	%	01	8595
06799	SBZ	%	01	8593

NEXT PAGE

gscans/g0015308

```
06804 SBN % 12 8607 8F07
06809 SBN % 12 8605 8F05
06814 SBN % 12 8603 8F03
06819 SBN % 12 8601 8F01
06824 SBN % 12 8598 8E98
06829 SBN % 12 8596 8E96
06834 SBN % 12 8594 8E94
06839 SBN % 12 8592 8E92
06844 SBR % 08 8607 8007
06849 SBR % 08 8605 8005
06854 SBR % 08 8603 8003
06859 SBR % 08 8601 8001
06864 SBR % 08 8598 8N98
06869 SBR % 08 8596 8N96
06874 SBR % 08 8594 8N94
06879 SBR % 08 8592 8N92
```

```
06884 SPC , 0000
06889 LSB , 04 8607 8W07
06894 USB , 05 8591 8VZ1
06899 USB , 05 8575 8VX5
06904 USB , 05 8559 8VV9
06909 USB , 05 8543 8VU3
06914 USB , 05 8527 8VS7
06919 USB , 05 8511 8V/1
06924 USB , 05 8495 8UZ5
06929 USB , 05 8479 8UX9
06934 USB , 05 8463 8UW3
06939 USB , 05 8447 8UU7
06944 USB , 05 8431 8UT1
06949 USB , 05 8415 8U/5
06954 USB , 05 8399 8TZ9
06959 USB , 05 8383 8TY3
06964 USB , 05 8367 8TW7
06969 USB , 05 8351 8TV1
```

```
06974 SBZ % 01 7124 71S4
06979 SBN % 10 7124 7JK4
06984 SBZ % 03 7124 71B4
06989 SBN % 12 7124 7A24
06994 SBZ % 01 7123 71S3
06999 SBN % 10 7123 7JK3
07004 SBZ % 03 7123 71B3
07009 SBN % 12 7123 7A23
07014 SBZ % 01 7122 71S2
07019 SBN % 10 7122 7JK2
07024 SBZ % 03 7122 71B2
07029 SBN % 12 7122 7A22
07034 SBZ % 01 7121 71S1
07039 SBN % 10 7121 7JK1
07044 SBZ % 03 7121 71B1
07049 SBN % 12 7121 7A21
07054 RCV U 0411
07059 TSL 1 01 0274 02X4
```

SET SPC TO ZERO

-----B02 TO RESET T/O

NEXT PAGE

LOAD STORAGE

```

07064 SPC , 0000
07069 LSB , 04 8591 8V91
07074 SPC , 1000
07079 LSB , 04 8591 8V91
07084 SPC , 2000
07089 LSB , 04 8591 8V91
07094 SPC , 3000
07099 LSB , 04 8591 8V91
07104 TR 1 7119
07109 SPC , 4000
07114 LSB , 04 8591 8V91

```

AN26.....

```

07119 SBZ % 01 8085 80Y5
07124 SPC , 0000
07129 NOP A 3 JBO JBO
07134 SBN % 13 7129 7AS9
07139 RCV U 7123
07144 TZB , 01 7164 71W4
07149 RCV U 7124
07154 TZB , 01 7374 73X4
07159 TR 1 7179
07164 RCV U 7124
07169 TZB , 01 7179 71X9
07174 TR 1 7374

```

```

07179 UFC , 03 8084 80H4
07184 NOP A 0000
07189 RCV U 8084
07194 TZB , 01 7204 72 4
07199 TR 1 7219
07204 SBN % 09 8085 8-Y5
07209 SBN % 11 1887 1QH7
07214 SBN % 13 1887 1HY7
07219 TZB , 02 7229 72K9
07224 TR 1 7244
07229 SBN % 09 8085 8-Y5
07234 SBN % 11 1886 1QH6
07239 SBN % 13 1886 1HY6
07244 TZB , 03 7254 72E4
07249 TR 1 7269
07254 SBN % 09 8085 8-Y5
07259 SBN % 11 1885 1QH5
07264 SBN % 13 1885 1HY5

```

NEXT PAGE

CHAR. COMPARE

RESET ERROR INDICATOR
SPC ADDR. OF CHAR. COMPARED

CHANGE ZERO TO R.M.

TEST FOR BL OR G.M. COMP.

TO BL. COMP.
TO G.M. COMP.TO G.M. COMP.
TO BL. COMP.

G.M. COMP.

BIT 1

FORM D

BIT 2

FORM D

BIT 4

FORM D

gscans/g0015807
AP23.....
07269 TZB 04 7279 7579
07274 TR 1 7294
07279 SBN % 09 8085 8-Y5
07284 SBN % 11 1884 1QH4
07289 SBN % 13 1884 1HY4
07294 TZB 05 7304 7T 4
07299 TR 1 7319
07304 SBN % 09 8085 8-Y5
07309 SBN % 11 1883 1QH3
07314 SBN % 13 1883 1HY3
07319 TZB 06 7329 7TK9
07324 TR 1 7344
07329 SBN % 09 8085 8-Y5
07334 SBN % 11 1882 1QH2
07339 SBN % 13 1882 1HY2
07344 TZB 07 7354 7TE4
07349 TR 1 7619 AS25
07354 SBN % 09 8085 8-Y5
07359 SBN % 11 1881 1QH1
07364 SBN % 13 1881 1HY1
07369 TR 1 7619 AS25

BIT 8

FORM D

BITA

FORM D

BIT B

FORM D

BIT C

FORM D

AQ23.....
07374 UFC 03 8084 80H4
07379 RCV U 8084
07384 TZB 01 7294 73Z4
07389 TR 1 7429
07394 TZB 02 7429 74K9
07399 TZB 03 7429 74B9
07404 TZB 04 7429 7U29
07409 TZB 05 7429 7US9
07414 TZB 06 7429 7UK9
07419 TZB 07 7429 7UB9
07424 TR 1 7744 AT25

DILROY COMP.

07429 RCV U 8084
07434 NOP A 0000
07439 TZB 01 7464 74W4
07444 SBN % 09 8085 8-Y5
07449 SBN % 09 1887 1QY7
07454 SBN % 10 1887 1QQ7
07459 SBN % 11 1887 1QH7
07464 TZB 02 7489 74Q9
07469 SBN % 09 8085 8-Y5
07474 SBN % 09 1886 1QY6
07479 SBN % 10 1886 1QQ6
07484 SBN % 11 1886 1QH6
07489 TZB 03 7514 75A4 AR25
07494 SBN % 09 8085 8-Y5
07499 SBN % 09 1885 1QY5
07504 SBN % 10 1885 1QQ5
07509 SBN % 11 1885 1QH5

BL. COMP.

FORM P

BIT 2

FORM P

FORM P

BIT 4

FORM P

NEXT PAGE

AR24.....
07514 TZB 04 7539 7V39
07519 SBN % 09 8085 8-Y5
07524 SBN % 09 1884 1QY4
07529 SBN % 10 1884 1QQ4
07534 SBN % 11 1884 1QH4
07539 TZB 05 7564 7VW4
07544 SBN % 09 8085 8-Y5
07549 SBN % 09 1883 1QY3
07554 SBN % 10 1883 1QQ3
07559 SBN % 11 1883 1QH3
07564 TZB 06 7589 7VQ9
07569 SBN % 09 8085 8-Y5
07574 SBN % 09 1882 1QY2
07579 SBN % 10 1882 1QQ2
07584 SBN % 11 1882 1QH2
07589 TZB 07 7614 7WA4
07594 SBN % 09 8085 8-Y5
07599 SBN % 09 1881 1QY1
07604 SBN % 10 1881 1QQ1
07609 SBN % 11 1881 1QH1
07614 TR 1 7744

BIT 8

FORM P

FORM P

BIT A

FORM P

BIT B

FORM P

BIT C

FORM P

AS24.....
07619 RCV U 01 8085
07624 TZB 01 7739 77T9
07629 SEL 2 0911
07634 TRS O 7719
07639 RCV U 1874
07644 TMT 9 7124
07649 SBZ % 02 1879 18P9
07654 SBZ % 04 1879 1Y79
07659 SBZ % 01 1870 18X0
07664 SBZ % 02 1870 18P0
07669 SBZ % 04 1870 1Y70
07674 SBN % 13 1877 1HX7
07679 SBZ % 01 1875 18X5
07684 SBZ % 06 1875 1YP5

G.M. T/O ROUTINE

NO ERR - BYP T/O

911 ON BYP T/O

SPC TO T/O AREA.

CHANGE RM TO BL

, TO BL

J TO A

A TO BL.

07689 RCV U 32619 B619
07694 TMT 9 7124
07699 RCV U 31971 A971
07704 TSL 1 01 31564 A5W4
07709 SEL 2 0500
07714 WR R 1867
07719 SEL 2 0915
07724 TRS O 7739
07729 RCV U 30061 8061
07734 TSL 1 01 23804 L8-4
07739 TR 1 7869

TO BSW-WD DECODE

SPC AB -----
915 ON BYP TABTO TAB
TO RESET T/O AND UPDATE SPC &1

AT24.....
07744 RCV U 01 8085
07749 TZB 01 7864 78W4
07754 SEL 2 0911
07759 TRS O 7844
07764 RCV U 1874
07769 TMT 9 7124
07774 SBZ % 02 1879 18P9
07779 SBZ % 04 1879 1Y79
07784 SBZ % 01 1870 18X0
07789 SBZ % 02 1870 18P0
07794 SBZ % 04 1870 1Y70
07799 SBN % 11 1877 1QG7
07804 SBZ % 01 1875 18X5
07809 SBZ % 06 1875 1YP5

BL T/O ROUTINE

NO ERR - BYP T/O

911 ON BYP T/O

CHANGE RM TO BL

, TO BL

J TO N

A TO BL

NEXT PAGE

gscans/g001 07814 RCV U 32619 B619
 07819 TMT 9 7124
 07824 RCV U 31971 A971
 07829 TSL 1 01 31564 A5W4-----DU90
 07834 SEL 2 0500
 07839 WR R 1867
 AU25.....07844 SEL 2 0915
 07849 TRS O 7864-----
 07854 RCV U 30061 &061 I
 07859 TSL 1 01 23804 L8 4-----DR90
 AV25.....07864 TR 1 7869-----

SPC N B -----
 915 ON BYP TAB

TO TAB
 TO RESET T/O AND UPDATE SPC &1

AW25.....07869 SBZ % 01 8085 80Y5.....
 07874 RCV U 0411
 07879 TSL 1 01 0274 02X4-----B02
 07884 RCV U 1909
 07889 TMT 9 7124
 07894 RCV U 1431
 07899 TSL 1 01 0814 08/4-----F04
 07904 RCV U 7124
 07909 TMT 9 1909
 07914 RCV U 1915
 07919 TZB 01 7929 79S9-----
 07924 TR 1 7124-----AN23
 07929 SBN % 09 1915 1R/5.....
 07934 TR 1 7939-----

RESET T/O AND UPDATE SPC &1
 RESET ERROR INDICATOR
 TO RESET T/O

TO INC SPC &1

TO SPC.
 TO END SECT, ROUT.

END OF SECTION ROUTINE

911 ON BYPASS T/O

RESET SPC TO ZERO AND REPEAT

07939 SEL 2 0911.....
 07944 TRS O 7959-----
 07949 SEL 2 0500
 07954 WR R 8625

07959 SBZ % 01 7124 71S4.....
 07964 SBN % 10 7124 7JK4
 07969 SBZ % 03 7124 71B4
 07974 SBN % 12 7124 7A24
 07979 SBZ % 01 7123 71S3
 07984 SBN % 10 7123 7JK3
 07989 SBZ % 03 7123 71B3
 07994 SBN % 12 7123 7A23
 07999 SBZ % 01 7122 71S2
 08004 SBN % 10 7122 7JK2
 08009 SBZ % 03 7122 71B2
 08014 SBN % 12 7122 7A22
 08019 SBZ % 01 8085 80Y5
 08024 SBZ % 01 7121 71S1
 08029 SBN % 10 7121 7JK1
 08034 SBZ % 03 7121 71B1
 08039 SBN % 12 7121 7A21

RESET ERROR INDIC

08044 SEL 2 0916
 08049 TRS O 8059-----
 08054 TR 1 8069-----
 08059 RCV U 31556 A556.....
 08064 TSL 1 01 31079 A0X9-----DS90
 08069 SEL 2 0912.....
 08074 TRS O 6744-----AM21
 08079 TR 1 8634-----AX27

TO TAB WR ROUT
 912 ON RPT. S-5
 GO TO S-6

NEXT PAGE

CONSTANTS

2 005 08084 00
2 001 08085
2 050 08135
2 050 08185
2 050 08235
2 050 08285
2 050 08335
2 050 08385
2 050 08435
2 050 08485
2 050 08535
2 050 08585
2 006 08591
2 016 08607
2 016 08623
2 001 08624
2 003 08627
2 001 08628

1

G1G1G1G11G1G1G1G

S-5

SET UP CONST. FLD. 256 CHAR.

AX26

AX32

```
AX26 AX32..... 08634 SPC 0000
08639 SET B 15 0016 08A6
08644 RCV U 10472 472
08649 TMT 9 15 10488 DH8
08654 SBZ % 01 10487 4Y7
08659 SBZ % 01 10485 4Y5
08664 SBZ % 01 10483 4Y3
08669 SBZ % 01 10481 4Y1
08674 SBZ % 01 10478 4X8
08679 SBZ % 01 10476 4X6
08684 SBZ % 01 10474 4X4
08689 SBZ % 01 10472 4X2
```

```
08694 SBN % 12 10486 D86
08699 SBN % 12 10484 D84
08704 SBN % 12 10482 D82
08709 SBN % 12 10480 D80
08714 SBN % 12 10479 D79
08719 SBN % 12 10477 D77
08724 SBN % 12 10475 D75
08729 SBN % 12 10473 D73
08734 SBR % 08 10486 M86
08739 SBR % 08 10484 M84
08744 SBR % 08 10482 M82
08749 SBR % 08 10480 M80
08754 SBR % 08 10479 M79
08759 SBR % 08 10477 M77
08764 SBR % 08 10475 M75
08769 SBR % 08 10473 M73
```

NEXT PAGE

gscans/g0015305.png

```

08774 SPC , 0000
08779 LSB , 04 10487 U87
08784 USB , 05 10471 UX1
08789 USB , 05 10455 UV5
08794 USB , 05 10439 UT9
08799 USB , 05 10423 US3
08804 USB , 05 10407 U 7
08809 USB , 05 10391 TZ1
08814 USB , 05 10375 TX5
08819 USB , 05 10359 TV9
08824 USB , 05 10343 TU3
08829 USB , 05 10327 TS7
08834 USB , 05 10311 T/1
08839 USB , 05 10295 SZ5
08844 USB , 05 10279 SX9
08849 USB , 05 10263 SW3
08854 USB , 05 10247 SU7
08859 USB , 05 10231 ST1

```

```

08864 SBZ % 01 9014 90/4
08869 SBN % 10 9014 9-J4
08874 SBZ % 03 9014 90A4
08879 SBN % 12 9014 9&14
08884 SBZ % 01 9013 90/3
08889 SBN % 10 9013 9-J3
08894 SBZ % 03 9013 90A3
08899 SBN % 12 9013 9&13
08904 SBZ % 01 9012 90/2
08909 SBN % 10 9012 9-J2
08914 SBZ % 03 9012 90A2
08919 SBN % 12 9012 9&12
08924 SBZ % 01 9011 90/1
08929 SBN % 10 9011 9-J1
08934 SBZ % 03 9011 90A1
08939 SBN % 12 9011 9&11
08944 RCV U 0411
08949 TSL 1 01 0274 02X4

```

SET SPC TO ZERO

-----B02 TO RESET T/O

```

08954 SPC , 0000
08959 LSB , 04 10471 U71
08964 SPC , 1000
08969 LSB , 04 10471 U71
08974 SPC , 2000
08979 LSB , 04 10471 U71
08984 SPC , 3000
08989 LSB , 04 10471 U71
08994 TR 1 9009
08999 SPC , 4000
09004 LSB , 04 10471 U71

```

LOAD STORAGE

```

09009 SBZ % 01 9965 99W5
09014 SPC , 0000
09019 NOP A 3 JB0 JB0
09024 SBN % 13 9019 9&79
09029 RCV U 9013
09034 TZB , 01 9054 90V4
09039 RCV U 9014
09044 TZB , 01 9069 90W9
09049 TR 1 9259
09054 RCV U 9014
09059 TZB , 01 9259 92V9
09064 TR 1 9069

```

CHAR. COMPARE

RESET ERROR INDICATOR
SPC ADDR. OF CHAR. COMPARED

CHANGE ZERO TO R.M.

TEST FOR BL OR G.M. COMP.

-----AZ29 TO GM COMP.

-----BA29 TO DILROY COMP.

-----BA29 TO DILROY COMP..

-----AZ29 TO GM COMP.

AY31.....

G.M. COMP.

AZ28.....
09069 UFC , 03 9964 99F4
09074 RCV U 9964
09079 TZB , 01 9089 90Y9
09084 TR 1 9104
09089 SBN % 09 9965 9RW5
09094 SBN % 11 1887 1QH7
09099 SBN % 13 1887 1HY7
09104 TZB , 02 9114 91J4
09109 TR 1 9129
09114 SBN % 09 9965 9RW5
09119 SBN % 11 1886 1QH6
09124 SBN % 13 1886 1HY6
09129 TZB , 03 9139 91C9
09134 TR 1 9154
09139 SBN % 09 9965 9RW5
09144 SBN % 11 1885 1QH5
09149 SBN % 13 1885 1HY5

BIT 1

FORM D

BIT 2

FORM D

BIT 4

FORM D

09154 TZB , 04 9164 9/64
09159 TR 1 9179
09164 SBN % 09 9965 9RW5
09169 SBN % 11 1884 1QH4
09174 SBN % 13 1884 1HY4
09179 TZB , 05 9189 9/Y9
09184 TR 1 9204
09189 SBN % 09 9965 9RW5
09194 SBN % 11 1883 1QH3
09199 SBN % 13 1883 1HY3
09204 TZB , 06 9214 9SJ4
09209 TR 1 9229
09214 SBN % 09 9965 9RW5
09219 SBN % 11 1882 1QH2
09224 SBN % 13 1882 1HY2
09229 TZB , 07 9239 9SC9
09234 TR 1 9499
09239 SBN % 09 9965 9RW5
09244 SBN % 11 1881 1QH1
09249 SBN % 13 1881 1HY1
09254 TR 1 9499

BIT 8

FORM D

BITA

FORM D

BIT B

FORM D

BIT C

FORM D

BA28.....
09259 UFC , 03 9964 99F4
09264 RCV U 9964
09269 TZB , 01 9279 92X9
09274 TR 1 9314
09279 TZB , 02 9314 93J4
09284 TZB , 03 9314 93A4
09289 TZB , 04 9314 9T14
09294 TZB , 05 9314 9T/4
09299 TZB , 06 9314 9TJ4
09304 TZB , 07 9314 9TA4
09309 TR 1 9624

DILROY COMP.

BB30

BB30

BB30

BB30

BB30

BB30

BB30

BD31

gscans/g0015309
 B29.....09314 RCV U 9964
 09319 TZB • 01 9344 93U4
 09324 SBN % 09 9965 9RW5
 09329 SBN % 09 1887 1QY7
 09334 SBN % 10 1887 1QQ7
 09339 SBN % 11 1887 1QH7
 09344 TZB • 02 9369 93O9
 09349 SBN % 09 9965 9RW5
 09354 SBN % 09 1886 1QY6
 09359 SBN % 10 1886 1QQ6
 09364 SBN % 11 1886 1QH6
 09369 TZB • 03 9394 93I4
 09374 SBN % 09 9965 9RW5
 09379 SBN % 09 1885 1QY5
 09384 SBN % 10 1885 1QQ5
 09389 SBN % 11 1885 1QH5
 09394 TZB • 04 9419 9U19
 09399 SBN % 09 9965 9RW5
 09404 SBN % 09 1884 1QY4
 09409 SBN % 10 1884 1QQ4
 09414 SBN % 11 1884 1QH4
 09419 TZB • 05 9444 9UU4
 09424 SBN % 09 9965 9RW5
 09429 SBN % 09 1883 1QY3
 09434 SBN % 10 1883 1QQ3
 09439 SBN % 11 1883 1QH3
 09444 TZB • 06 9469 9UO9
 09449 SBN % 09 9965 9RW5
 09454 SBN % 09 1882 1QY2
 09459 SBN % 10 1882 1QQ2
 09464 SBN % 11 1882 1QH2
 09469 TZB • 07 9494 9UI4
 09474 SBN % 09 9965 9RW5
 09479 SBN % 09 1881 1QY1
 09484 SBN % 10 1881 1QQ1
 09489 SBN % 11 1881 1QH1
 09494 TR 1 9624
 -----BD31

BL. COMP.

FORM P

BIT 2

FORM P

BIT 4

FORM P

BIT 8

FORM P

BIT A

FORM P

BIT B

FORM P

BIT C

FORM P

BC29.....09499 RCV U 9965
 09504 TZB • 01 9619 96/9
 09509 SEL 2 0911
 09514 TRS O 9599
 09519 RCV U 1874
 09524 TMT 9 9014
 09529 SBZ % 02 1879 18P9
 09534 SBZ % 04 1879 1Y79
 09539 SBZ % 01 1870 18X0
 09544 SBZ % 02 1870 18P0
 09549 SBZ % 04 1870 1Y70
 09554 SBN % 13 1877 1HX7
 09559 SBZ % 01 1875 18X5
 09564 SBZ % 06 1875 1YP5
 09569 RCV U 32619 B619
 09574 TMT 9 9014
 09579 RCV U 31971 A971
 09584 TSL 1 01 31564 A5W4
 09589 SEL 2 0500
 09594 WR R 1867
 09599 SEL 2 0915
 09604 TRS O 9619
 09609 RCV U 30061 6061
 09614 TSL 1 01 23804 L8 4
 09619 TR 1 9749
 -----DU90
 -----DR90
 -----BE31

G.M. T/O ROUTINE

NO ERR - BYP T/O

911 ON BYP T/O

SPC TO T/O AREA.

CHANGE RM-BL

, -BL

J-A

A-BL

TO BSW-WD DECODE

915 ON BYP TAB

TO TAB

TO RESET T/O AND UPDATE SPC &1

S-6

NEXT PAGE

NEXT PAGE

85815

RESET SPC TO ZERO AND REPEAT

RESET ERROR INDIC

916 ON - TO TAB WR ROUT

912 ON RPT. S-6
GO TO S-7

CONSTANTS.

1

1G1G1G1GG1G1G1G1
 S-6

BG32

BG38.....

```

#####V#####
10514 SPC , 0000
10519 SET B 15 0016 06A6
10524 RCV U 12422 S422
10529 TMT 9 15 12438 SDC8
10534 SBZ % 01 12436 S4T6
10539 SBZ % 01 12434 S4T4
10544 SBZ % 01 12432 S4T2
10549 SBZ % 01 12430 S4T0
10554 SBZ % 01 12429 S4S9
10559 SBZ % 01 12427 S4S7
10564 SBZ % 01 12425 S4S5
10569 SBZ % 01 12423 S4S3
10574 SBR % 08 12436 SM36
10579 SBR % 08 12434 SM34
10584 SBR % 08 12432 SM32
10589 SBR % 08 12430 SM30
10594 SBR % 08 12429 SM29
10599 SBR % 08 12427 SM27
10604 SBR % 08 12425 SM25
10609 SBR % 08 12423 SM23
#####I#####

```

```

#####I#####
10614 SPC , 0000
10619 LSB , 04 12437 SU37
10624 USB , 05 12421 SUS1
10629 USB , 05 12405 SU 5
10634 USB , 05 12389 STY9
10639 USB , 05 12373 STX3
10644 USB , 05 12357 STV7
10649 USB , 05 12341 STU1
10654 USB , 05 12325 STS5
10659 USB , 05 12309 ST 9
10664 USB , 05 12293 SSZ3
10669 USB , 05 12277 SSX7
10674 USB , 05 12261 SSW1
10679 USB , 05 12245 SSU5
10684 USB , 05 12229 SSS9
10689 USB , 05 12213 SS/3
10694 USB , 05 12197 S/Z7
10699 USB , 05 12181 S/Y1
#####I#####

```

```

#####I#####
10704 SBZ % 01 10854 8V4
10709 SBN % 10 10854 QN4
10714 SBZ % 03 10854 8E4
10719 SBN % 12 10854 H54
10724 SBZ % 01 10853 8V3
10729 SBN % 10 10853 QN3
10734 SBZ % 03 10853 8E3
10739 SBN % 12 10853 H53
10744 SBZ % 01 10852 8V2
10749 SBN % 10 10852 QN2
10754 SBZ % 03 10852 8E2
10759 SBN % 12 10852 H52
10764 SBZ % 01 10851 8V1
10769 SBN % 10 10851 QN1
10774 SBZ % 03 10851 8E1
10779 SBN % 12 10851 H51
10784 RCV U 0411
10789 TSL 1 01 0274 02X4
#####I#####

```

SET SPC TO ZERO

-----B02 TO RESET T/O

NEXT PAGE

LOAD STORAGE

CHAR. COMPARE

RESET ERROR INDICATOR
SPC ADDR. OF CHAR. COMPARED

```
CREATE GM.
CHANGE G TO G.M.
CHANGE ZERO TO R.M.
```

TEST FOR V OR - COMPARE

TO - COMP.
TO V COMP.

TO V COMP
TO - COMP.

CREATE V

V COMP.

BIT 1

FORM D

BIT 2

FORM P

BIT 4

FORM D

[illegible][illegible]

NEXT PAGE

BJ34.....
11034 TZB 04 11064 / 64
11039 SBN % 09 11915 /R/5
11044 SBN % 09 1884 1QY4
11049 SBN % 12 10858 H58
11054 SBN % 10 1884 1QQ4
11059 SBN % 11 1884 1QH4
11064 TZB 05 11074 / X4
11069 TR 1 11094 /094
11074 SBN % 09 11915 /R/5
11079 SBN % 11 1883 1QH3
11084 SBZ % 05 10858 YV8
11089 SBN % 13 1883 1HY3
11094 TZB 06 11124 //K4
11099 SBN % 09 11915 /R/5
11104 SBN % 09 1882 1QY2
11109 SBN % 14 10858 HN8
11114 SBN % 10 1882 1QQ2
11119 SBN % 11 1882 1QH2
11124 TZB 07 11134 //C4
11129 TR 1 11389 /389
11134 SBN % 09 11915 /R/5
11139 SBN % 11 1881 1QH1
11144 SBN % 13 1881 1HY1
11149 TR 1 11389 /389
BM36
BM36

BIT 8
FORM P

BITA
FORM D

BIT B
FORM P

BIT C
FORM D

BK34.....
11154 SBZ % 01 10858 8V8
11159 SBZ % 03 10858 8E8
11164 SBZ % 05 10858 YV8

CREATE -

11169 UFC 03 11914 /9A4
11174 RCV U 11914 /914
11179 TZB 01 11209 /2 9
11184 SBN % 09 11915 /R/5
11189 SBN % 09 1887 1QY7
11194 SBN % 09 10858 QV8
11199 SBN % 10 1887 1QQ7
11204 SBN % 11 1887 1QH7
11209 TZB 02 11219 /2J9
11214 TR 1 11239 /239
11219 SBN % 09 11915 /R/5
11224 SBN % 11 1886 1QH6
11229 SBZ % 02 10858 8N8
11234 SBN % 13 1886 1HY6
11239 TZB 03 11269 /2F9
11244 SBN % 09 11915 /R/5
11249 SBN % 09 1885 1QY5
11254 SBN % 11 10858 QE8
11259 SBN % 10 1885 1QQ5
11264 SBN % 11 1885 1QH5
BL36

REDUNDANT - COMP.

BIT 1
FORM P

BIT 2
FORM D

BIT 4
FORM P

NEXT PAGE

8L35.....11279 TZB 04 11279 /S79-
 11274 TR 1 11299 /299-
 11279 SBN % 09 11915 /R/5-
 11284 SBN % 11 1884 1QH4-
 11289 SBZ % 04 10858 Y58-
 11294 SBN % 13 1884 1HY4-
 11299 TZB 05 11329 /TS9-
 11304 SBN % 09 11915 /R/5-
 11309 SBN % 09 1883 1QY3-
 11314 SBN % 13 10858 HV8-
 11319 SBN % 10 1883 1QQ3-
 11324 SBN % 11 1883 1QH3-
 11329 TZB 06 11339 /TL9-
 11334 TR 1 11359 /359-
 11339 SBN % 09 11915 /R/5-
 11344 SBN % 11 1882 1QH2-
 11349 SBZ % 06 10858 YN8-
 11354 SBN % 13 1882 1HY2-
 11359 TZB 07 11384 /TH4-
 11364 SBN % 09 11915 /R/5-
 11369 SBN % 09 1881 1QY1-
 11374 SBN % 10 1881 1QQ1-
 11379 SBN % 11 1881 1QH1-
 11384 TR 1 11524 /524-
 BN37

BIT 8

FORM D

BIT A

FORM P

BIT B

FORM D

BIT C

FORM P

BM35.....11389 RCV U 11915 /915-
 11394 TZB 01 11519 /5/9-
 11399 SEL 2 0911-
 11404 TRS 0 11499 /499-
 11409 RCV U 1874-
 11414 TMT 9 10854 854-
 11419 SBZ % 02 1879 18P9-
 11424 SBZ % 04 1879 1Y79-
 11429 SBZ % 02 1876 18P6-
 11434 SBZ % 04 1876 1Y76-
 11439 SBZ % 06 1876 1YP6-
 11444 SBZ % 01 1875 18X5-
 11449 SBZ % 06 1875 1YP5-
 11454 SBZ % 01 1870 18X0-
 11459 SBZ % 02 1870 18P0-
 11464 SBZ % 04 1870 1Y70-
 11469 RCV U 32619 B619-
 11474 TMT 9 10854 854-
 11479 RCV U 31971 A971-
 11484 TSL 1 01 31564 A5W4-
 11489 SEL 2 0500-
 11494 WR R 1867-
 11499 SEL 2 0915-
 11504 TRS 0 11519 /519-
 11509 RCV U 30061 6061-
 11514 TSL 1 01 23804 L8 4-
 11519 TR 1 11659 /659-
 DU90
 BP37

V COMP T/O ROUTINE

NO ERR - BYP T/O

911 ON BYP T/O

SPC TO T/O AREA

CHANGE RM-BL

GM-V

A TO BL

, TO BL

TO BSW-WD DECODE

SPC ABCD V- -

915 ON BYP TAB

TO TAB

TO RESET T/O AND UPDATE SPC

BN36.....
11524 RCV U 11915 /915
11529 TZB 01 11654 /6V4
11534 SEL 2 0911
11539 TRS 0 11634 /634
11544 RCV U 1874
11549 TMT 9 10854 854
11554 SBZ % 02 1879 18P9
11559 SBZ % 04 1879 1Y79
11564 SBZ % 01 1876 18X6
11569 SBZ % 03 1876 18G6
11574 SBZ % 05 1876 1YX6
11579 SBZ % 01 1875 18X5
11584 SBZ % 06 1875 1Y5
11589 SBZ % 01 1870 18X0
11594 SBZ % 02 1870 18P0
11599 SBZ % 04 1870 1Y70
11604 RCV U 32619 B619
11609 TMT 9 10854 854
11614 RCV U 31971 A971
11619 TSL 1 01 31564 A5W4
11624 SEL 2 0500
11629 WR R 1867
11634 SEL 2 0915
11639 TRS 0 11654 /654
11644 RCV U 30061 8061
11649 TSL 1 01 23804 L8 4
11654 TR 1 11659 /659
DU90
DR90

BP36.....
11659 SBZ % 01 11915 /9/5
11664 RCV U 0411
11669 TSL 1 01 0274 02X4
11674 RCV U 1909
11679 TMT 9 10854 854
11684 RCV U 1431
11689 TSL 1 01 0814 08/4
11694 RCV U 10854 854
11699 TMT 9 1909
11704 TR 1 11734 /734
11709 RCV U 1915
11714 TZB 01 11724 /7S4
11719 TR 1 10854 854
11724 SBN % 09 1915 1R/5
11729 TR 1 11769 /769
BH34
11734 SBN % 09 10858 QV8
11739 SBN % 10 10858 QN8
11744 SBN % 11 10858 QE8
11749 SBN % 12 10858 H58
11754 SBN % 13 10858 HV8
11759 SBN % 14 10858 HN8
11764 TR 1 11709 /709

11769 SEL 2 0911
11774 TRS 0 11789 /789
11779 SEL 2 0500
11784 WR R 12455 S455
BQ38

NEXT PAGE

- COMP. T/O ROUTINE

NO ERR - BYP T/O

911 ON BYP T/O

SPC TO T/O AREA.

CHANGE RM-BL

GM--

A-BL

, -BL

TO BSW-WD DECODE

SPC ABCD--
915 ON BYP TABTO TAB
TO RESET T/O AND UPDATE SPC &1

RESET T/O AND UPDATE SPC &1

RESET ERROR INDICATOR

TO RESET T/O

TO INC SPC &1

TO SPC
RESET END SECT LATCH.
TO END SECT ROUT

CREATE GM.

END OF SECTION ROUTINE

911 ON BYPASS T/O

S-7

RESET SPC TO ZERO AND REPEAT

gscans/g0015300.png

BQ37.....

11789	SBZ	%	01	10854	8V4	□
11794	SBN	%	10	10854	QN4	□
11799	SBZ	%	03	10854	8E4	□
11804	SBN	%	12	10854	H54	□
11809	SBZ	%	01	10853	8V3	□
11814	SBN	%	10	10853	QN3	□
11819	SBZ	%	03	10853	8E3	□
11824	SBN	%	12	10853	H53	□
11829	SBZ	%	01	10852	8V2	□
11834	SBN	%	10	10852	QN2	□
11839	SBZ	%	03	10852	8E2	□
11844	SBN	%	12	10852	H52	□
11849	SBZ	%	01	11915	/9/5	□
11854	SBZ	%	01	10851	8V1	□
11859	SBN	%	10	10851	QN1	□
11864	SBZ	%	03	10851	8E1	□
11869	SBN	%	12	10851	H51	□

RESET ERROR INDIC

11874	SEL	2	0916	□
11879	TRS	0	11889 /889	□
11884	TR	1	11899 /899	□
11889	RCV	U	31556 A556	□
11894	TSL	1	01 31079 A0X9	□
11899	SEL	2	0912	□
11904	TRS	0	10514 514	□
11909	TR	1	12464 S464	□

TO TAB WR ROUT

912 ON RPT. S-7
GO TO S-8

CONSTANTS

2	005	11914	00
2	001	11915	
2	050	11965	
2	050	12015	
2	050	12065	
2	050	12115	
2	050	12165	
2	050	12215	
2	050	12265	
2	050	12315	
2	050	12365	
2	050	12415	
2	006	12421	
2	016	12437	
2	016	12453	
2	001	12454	
2	003	12457	
2	001	12458	

VSVSVSVSVSVSVSVS
□
S-7
□

BR38

BR44.....

```

12464 SPC 0000
12469 SET B 15 0016 06A6
12474 RCV U 14377 U377
12479 TMT 9 15 14393 UCI3
12484 SBZ % 01 14392 U3Z2
12489 SBZ % 01 14390 U3Z0
12494 SBZ % 01 14388 U3Y8
12499 SBZ % 01 14386 U3Y6
12504 SBZ % 01 14383 U3Y3
12509 SBZ % 01 14381 U3Y1
12514 SBZ % 01 14379 U3X9
12519 SBZ % 01 14377 U3X7
12524 SBR % 08 14392 UL92
12529 SBR % 08 14390 UL90
12534 SBR % 08 14388 UL88
12539 SBR % 08 14386 UL86
12544 SBR % 08 14383 UL83
12549 SBR % 08 14381 UL81
12554 SBR % 08 14379 UL79
12559 SBR % 08 14377 UL77

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12564 SPC 0000
12569 LSB 04 14392 UT92
12574 USB 05 14376 UTX6
12579 USB 05 14360 UTW0
12584 USB 05 14344 UTU4
12589 USB 05 14328 UTS8
12594 USB 05 14312 UT/2
12599 USB 05 14296 USZ6
12604 USB 05 14280 USY0
12609 USB 05 14264 USW4
12614 USB 05 14248 USU8
12619 USB 05 14232 UST2
12624 USB 05 14216 US/6
12629 USB 05 14200 US 0
12634 USB 05 14184 U/Y4
12639 USB 05 14168 U/W8
12644 USB 05 14152 U/V2
12649 USB 05 14136 U/T6

```

```

12654 SBZ % 01 12804 S8 4
12659 SBN % 10 12804 SQ-4
12664 SBZ % 03 12804 S864
12669 SBN % 12 12804 SH04
12674 SBZ % 01 12803 S8 3
12679 SBN % 10 12803 SQ-3
12684 SBZ % 03 12803 S863
12689 SBN % 12 12803 SH03
12694 SBZ % 01 12802 S8 2
12699 SBN % 10 12802 SQ-2
12704 SBZ % 03 12802 S862
12709 SBN % 12 12802 SH02
12714 SBZ % 01 12801 S8 1
12719 SBN % 10 12801 SQ-1
12724 SBZ % 03 12801 S861
12729 SBN % 12 12801 SH01
12734 RCV U 0411
12739 TSL 1 01 0274 02X4

```

SET SPC TO ZERO

-----B02 TO RESET T/O

NEXT PAGE

8SB15

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NEXT PAGE

BIT 4
FORM D

BT40.....
12984 TZB 04 13014 T 14
12989 SBN % 09 13870 TQX0
12994 SBN % 09 1884 IQY4
12999 SBN % 12 12808 SH08
13004 SBN % 10 1884 IQQ4
13009 SBN % 11 1884 IQH4
13014 TZB 05 13024 T S4
13019 TR 1 13044 T044
13024 SBN % 09 13870 TQX0
13029 SBN % 11 1883 IQH3
13034 SBZ % 05 12808 SY 8
13039 SBN % 13 1883 IHY3
13044 TZB 06 13074 T P4
13049 SBN % 09 13870 TQX0
13054 SBN % 09 1882 IQY2
13059 SBN % 14 12808 SH-8
13064 SBN % 10 1882 IQQ2
13069 SBN % 11 1882 IQH2
13074 TZB 07 13084 T H4
13079 TR 1 13339 T339
13084 SBN % 09 13870 TQX0
13089 SBN % 11 1881 IQH1
13094 SBN % 13 1881 IHY1
13099 TR 1 13339 T339
BW42

BIT 8
FORM P

BITA

FORM D

BIT B
FORM P

BIT C
FORM D

BU40.....
13104 SBZ % 01 12808 S8-8
13109 SBZ % 03 12808 S8&8
13114 SBZ % 05 12808 SY 8

CREATE -

13119 UFC 03 13869 T8F9
13124 RCV U 13869 T869
13129 TZB 01 13159 T1V9
13134 SBN % 09 13870 TQX0
13139 SBN % 09 1887 IQY7
13144 SBN % 09 12808 SQ 8
13149 SBN % 10 1887 IQQ7
13154 SBN % 11 1887 IQH7
13159 TZB 02 13169 T1Q9
13164 TR 1 13189 T189
13169 SBN % 09 13870 TQX0
13174 SBN % 11 1886 IQH6
13179 SBZ % 02 12808 S8-8
13184 SBN % 13 1886 IHY6
13189 TZB 03 13219 T2A9
13194 SBN % 09 13870 TQX0
13199 SBN % 09 1885 IQY5
13204 SBN % 11 12808 SQ&8
13209 SBN % 10 1885 IQQ5
13214 SBN % 11 1885 IQH5
BV42

REDUNDANT - COMP.

BIT 1

FORM P

BIT 2

FORM D

BIT 4
FORM P

NEXT PAGE

scans/g00015298
 BV41.....
 13219 TZB 04 13229 TS29
 13224 TR 1 13249 T249
 13229 SBN % 09 13870 TQX0
 13234 SBN % 11 1884 LQH4
 13239 SBZ % 04 12808 SY08
 13244 SBN % 13 1884 LHY4
 13249 TZB 05 13279 TSX9
 13254 SBN % 09 13870 TQX0
 13259 SBN % 09 1883 LQY3
 13264 SBN % 13 12808 SH 8
 13269 SBN % 10 1883 LQO3
 13274 SBN % 11 1883 LQH3
 13279 TZB 06 13289 TSQ9
 13284 TR 1 13309 T309
 13289 SBN % 09 13870 TQX0
 13294 SBN % 11 1882 LQH2
 13299 SBZ % 06 12808 SY-8
 13304 SBN % 13 1882 LHY2
 13309 TZB 07 13334 TTC4
 13314 SBN % 09 13870 TQX0
 13319 SBN % 09 1881 LQY1
 13324 SBN % 10 1881 LQO1
 13329 SBN % 11 1881 LQH1
 13334 TR 1 13474 T474---BX43

BIT 8

FORM D

BIT A

FORM P

BIT B

FORM D

BIT C

FORM P

BW41.....
 13339 RCV U 13870 T870
 13344 TZB 01 13469 T4W9
 13349 SEL 2 0911
 13354 TRS 0 13449 T449
 13359 RCV U 1874
 13364 TMT 9 12804 S804
 13369 SBZ % 02 1879 18P9
 13374 SBZ % 04 1879 1Y79
 13379 SBZ % 02 1876 18P6
 13384 SBZ % 04 1876 1Y76
 13389 SBZ % 06 1876 1YP6
 13394 SBZ % 01 1875 18X5
 13399 SBZ % 06 1875 1YP5
 13404 SBZ % 01 1870 18X0
 13409 SBZ % 02 1870 18P0
 13414 SBZ % 04 1870 1Y70
 13419 RCV U 32619 B619
 13424 TMT 9 12804 S804
 13429 RCV U 31971 A971
 13434 TSL 1 01 31564 A5W4---DU90
 13439 SEL 2 0500
 13444 WR R 1867
 13449 SEL 2 0915
 13454 TRS 0 13469 T469
 13459 RCV U 30061 8061
 13464 TSL 1 01 23804 L8 4---DR90
 13469 TR 1 13609 T609---BY43

V COMP T/O ROUTINE

NO ERR - BYP T/O

911 ON BYP T/O

SPC TO T/O AREA

CHANGE RM-BL

GM-V

A-BL

,-BL

TO BSW-WD DECODE

SPC ABCD-- -----

915 ON BYP TAB

TO TAB

TO RESET T/O AND UPDATE SPC & 1

- COMP. T/O ROUTINE

NO ERR - BYP T/O

911 ON BYP T/O

SPC TO T/O AREA

CHANGE RM-BL

GM--

A-BL

, -BL

BX42.....
13474 RCV U 13870 T870
13479 TZB 01 13604 T6 4
13484 SEL 2 0911
13489 TRS O 13584 T584
13494 RCV U 1874
13499 TMT 9 12804 S804
13504 SBZ % 02 1879 18P9
13509 SBZ % 04 1879 1Y79
13514 SBZ % 01 1876 18X6
13519 SBZ % 03 1876 18G6
13524 SBZ % 05 1876 1YX6
13529 SBZ % 01 1875 18X5
13534 SBZ % 06 1875 1YP5
13539 SBZ % 01 1870 18X0
13544 SBZ % 02 1870 18P0
13549 SBZ % 04 1870 1Y70

13554 RCV U 32619 B619
13559 TMT 9 12804 S804
13564 RCV U 31971 A971
13569 TSL 1 01 31564 A5W4
13574 SEL 2 0500
13579 WR R 1867
13584 SEL 2 0915
13589 TRS O 13604 T604
13594 RCV U 30061 G061
13599 TSL 1 01 23804 L8 4
13604 TR 1 13609 T609

TO BSW-WD DECODE

SPC ABCD--
915 ON BYP TABTO TAB
TO RESET T/O AND UPDATE SPC &1

RESET T/O AND UPDATE SPC &1

RESET ERROR INDICATOR

TO RESET T/O

TO INC SPC &1

TO SPC
RESET END SECT LATCH
TO END SECT ROUT

CREATE GM.

END OF SECTION ROUTINE

911 ON BYPASS T/O

S-8

BY42.....
13609 SBZ % 01 13870 T8X0
13614 RCV U 0411
13619 TSL 1 01 0274 02X4
13624 RCV U 1909
13629 TMT 9 12804 S804
13634 RCV U 1431
13639 TSL 1 01 0814 08/4
13644 RCV U 12804 S804
13649 TMT 9 1909
13654 TR 1 13684 T684
13659 RCV U 1915
13664 TZB 01 13674 T6X4
13669 TR 1 12804 S804
13674 SBN % 09 1915 1R/5
13679 TR 1 13719 T719
13684 SBN % 09 12808 SQ 8
13689 SBN % 10 12808 SQ-8
13694 SBN % 11 12808 SQ&8
13699 SBN % 12 12808 SH08
13704 SBN % 13 12808 SH 8
13709 SBN % 14 12808 SH-8
13714 TR 1 13659 T659

13719 SEL 2 0911
13724 TRS O 13744 T744
13729 SEL 2 0500
13734 WR R 14410 U410
13739 TR 1 13744 T744

gscans/g0015297.png

RESET ERROR INDIC

TO TAB WR ROUT
912 ON RPT. S-8
GO TO S-9

CONSTANTS

1

\$V\$V\$V\$V\$V\$V\$V\$V\$V\$
 □
 S-8
 □

SET UP CONST. FLD. 256 CHAR.

NEXT PAGE

```

0000000000000000↓0000000000000000
0 14704 LSB , 04 16390 WT90 0
0 14709 USB , 05 16201 WS 1 0
0 14714 USB , 05 16193 W/Z3 0
0 14719 USB , 05 16185 W/Y5 0
0 14724 USB , 05 16177 W/X7 0
0000000000000000I0000000000000000

```

NEXT PAGE

[illegible]

```

□□□□□□□□□□□□↓□□□□□□□□□□□□
□ 14754 LSB , 04 16390 WT90 □
□ 14759 USB , 05 16137 W/T7 □
□ 14764 USB , 05 16129 W/S9 □
□ 14769 USB , 05 16121 W/S1 □
□ 14774 USB , 05 16113 W//3 □
□□□□□□□□□□□□I□□□□□□□□□□□□

```

[illegible]

-----B02 TO RESET T/O

[illegible]

LOAD STORAGE

[illegible]

CHAR. COMPARE

RESET ERROR INDICATOR
SPC ADDR. OF CHAR. COMPARED

CHANGE ZERO TO R.M.

TO ALL BITS COMP

CB49.....

DILROY COMP.

```
CC46.....■.14959 UFC , 03 15854 V8E4 □  
□ 14964 RCV U 15854 V854 □  
□ 14969 TZB • 01 14979 U9X9 -■-▼  
□ 14974 TR 1 14994 U994 -■-+  
□ 14979 SBN % 09 15855 VQV5 .■. I  
□ 14984 SBN % 11 1887 1QH7 □ I  
□ 14989 SBN % 13 1887 1HY7 □ I  
□ 14994 TZB • 02 15004 VO-4 ■■■ I  
□ 14999 TR 1 15019 VO19 -■-+  
□ 15004 SBN % 09 15855 VQV5 .■. I  
□ 15009 SBN % 11 1886 1QH6 □ I  
□ 15014 SBN % 13 1886 1HY6 □ I  
□ 15019 TZB • 03 15029 VOB9 ■■■ I  
□ 15024 TR 1 15044 VO44 -■-+  
□ 15029 SBN % 09 15855 VQV5 .■. I  
□ 15034 SBN % 11 1885 1QH5 □ I  
□ 15039 SBN % 13 1885 1HY5 □ I
```

[illegible]

```
CD46.....■.15149 UFC , 03 15854 V8E4 □  
□ 15154 RCV U 15854 V854 □  
□ 15159 TZB ● 01 15169 V1W9-  
□ 15164 TR 1 15204 V204-  
□ 15169 TZB ● 02 15204 V2-4  
□ 15174 TZB ● 03 15204 V2&4-  
□ 15179 TZB ● 04 15204 VS04-  
□ 15184 TZB ● 05 15204 VS 4-  
□ 15189 TZB ● 06 15204 VS-4-  
□ 15194 TZB ● 07 15204 VS&4-  
□ 15199 TR 1 15514 V514-
```

151139	TZB	01	151204	V1204	CE48
151164	TR	1	15204	V204	CE48
151169	TZB	02	15204	V2-4	CE48
151174	TZB	03	15204	V2&4	CE48
151179	TZB	04	15204	VS04	CE48
151184	TZB	05	15204	VS 4	CE48
151189	TZB	06	15204	VS-4	CE48
151194	TZB	07	15204	VS&4	CE48
151199	TR	1	15114	V514	CJ49

NO BITS COMP.

gscans/g0015295.png

CE47.....15204 RCV U 15854 V854
 15209 TZB 01 15234 V2T4
 15214 SBN 09 15855 VQV5
 15219 SBN 09 1887 1QY7
 15224 SBN 10 1887 1QQ7
 15229 SBN 11 1887 1QH7
 15234 TZB 02 15259 V2N9
 15239 SBN 09 15855 VQV5
 15244 SBN 09 1886 1QY6
 15249 SBN 10 1886 1QQ6
 15254 SBN 11 1886 1QH6
 15259 TZB 03 15284 V2H4
 15264 SBN 09 15855 VQV5
 15269 SBN 09 1885 1QY5
 15274 SBN 10 1885 1QQ5
 15279 SBN 11 1885 1QH5
 15284 TZB 04 15309 VT09
 15289 SBN 09 15855 VQV5
 15294 SBN 09 1884 1QY4
 15299 SBN 10 1884 1QQ4
 15304 SBN 11 1884 1QH4
 15309 TZB 05 15334 VTT4
 15314 SBN 09 15855 VQV5
 15319 SBN 09 1883 1QY3
 15324 SBN 10 1883 1QQ3
 15329 SBN 11 1883 1QH3
 15334 TZB 06 15359 VTN9
 15339 SBN 09 15855 VQV5
 15344 SBN 09 1882 1QY2
 15349 SBN 10 1882 1QQ2
 15354 SBN 11 1882 1QH2
 15359 TZB 07 15384 VTH4
 15364 SBN 09 15855 VQV5
 15369 SBN 09 1881 1QY1
 15374 SBN 10 1881 1QQ1
 15379 SBN 11 1881 1QH1
 15384 TR 1 15514 V514 CJ49

FORM P

BIT 2

FORM P

BIT 4

FORM P

BIT 8

FORM P

BIT A

FORM P

BIT B

FORM P

BIT C

FORM P

CF47.....15389 RCV U 15855 V855
 15394 TZB 01 15509 V5 9 CH49
 15399 SEL 2 0911
 15404 TRS 0 15489 V489 CG49
 15409 RCV U 1874
 15414 TMT 9 14929 U929
 15419 SBZ 02 1879 18P9
 15424 SBZ 04 1879 1Y79
 15429 SBZ 01 1870 18X0
 15434 SBZ 02 1870 18P0
 15439 SBZ 04 1870 1Y70
 15444 SBZ 13 1877 1HX7
 15449 SBZ 01 1875 18X5
 15454 SBZ 06 1875 1YP5

G.M. T/O ROUTINE

NO ERR - BYP T/O

911 ON BYP T/O

SPC TO T/O AREA

CHANGE RM-BL

CHANGE , -BL

J-A
A-BL

NEXT PAGE

FROM PREVIOUS PAGE

PAGE 49 OF 71

8SB15

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□ 15459 RCV U 32619 B619 □
□ 15464 TMT 9 14929 U929 □
□ 15469 RCV U 31971 A971 □
□ 15474 TSL 1 01 31564 A5W4 □-----DU90
□ 15479 SEL 2 0500 □
□ 15484 WR R 1867 □
CG48.....□ 15489 SEL 2 0915 □
□ 15494 TRS 0 15509 V509 □
□ 15499 RCV U 30061 8061 □
□ 15504 TSL 1 01 23804 L8 4 □-----DR90
CH48.....□ 15509 TR 1 15639 V639 □
□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

TO BSW-WD DECODE

SPC ABCD AB -----
915 ON BYP TABTO TAB
TO RESET T/O AND UPDATE SPC &1

BL T/O ROUTINE

NO ERR - BYP T/O

911 ON BYP T/O

SPC TO T/O AREA

CHANGE RM TO BL

, -BL

J-N
A-BL

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
CJ47
CJ48.....□ 15514 RCV U 15855 V855 □
□ 15519 TZB 01 15634 V6T4 □-----
□ 15524 SEL 2 0911 □
□ 15529 TRS 0 15614 V614 □-----
□ 15534 RCV U 1874 □
□ 15539 TMT 9 14929 U929 □
□ 15544 SBZ % 02 1879 18P9 □
□ 15549 SBZ % 04 1879 1Y79 □
□ 15554 SBZ % 01 1870 18X0 □
□ 15559 SBZ % 02 1870 18P0 □
□ 15564 SBZ % 04 1870 1Y70 □
□ 15569 SBN % 11 1877 1QG7 □
□ 15574 SBZ % 01 1875 18X5 □
□ 15579 SBZ % 06 1875 1YP5 □
□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

TO BSW-WD DECODE

SPC ABCD NB -----
915 ON BYP TABTO TAB
TO RESET T/O AND UPDATE SPC &1

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□ 15584 RCV U 32619 B619 □
□ 15589 TMT 9 14929 U929 □
□ 15594 RCV U 31971 A971 □
□ 15599 TSL 1 01 31564 A5W4 □-----DU90
□ 15604 SEL 2 0500 □
□ 15609 WR R 1867 □
□ 15614 SEL 2 0915.....□
□ 15619 TRS 0 15634 V634 □
□ 15624 RCV U 30061 8061 □
□ 15629 TSL 1 01 23804 L8 4 □-----DR90
□ 15634 TR 1 15639 V639 □
□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

RESET T/O AND UPDATE SPC &1

RESET ERROR INDICATOR

TO RESET T/O

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□ 15639 SBZ % 01 15855 V8V5.....□
□ 15644 RCV U 0411 □
□ 15649 TSL 1 01 0274 02X4 □-----B02
□ 15654 RCV U 1909 □
□ 15659 TMT 9 14929 U929 □
□ 15664 RCV U 1431 □
□ 15669 TSL 1 01 0814 08/4 □-----F04
□ 15674 RCV U 14929 U929 □
□ 15679 TMT 9 1909 □
□ 15684 RCV U 1915 □
□ 15689 TZB 01 15699 V6Z9 □-----
□ 15694 TR 1 14929 U929 □-----CB46
□ 15699 SBN % 09 1915 1R/5.....□
□ 15704 TR 1 15709 V709 □
□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

TO SPC

TO END SECT ROUT

END OF SECTION ROUTINE

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□ 15709 SEL 2 0911.....□
□ 15714 TRS 0 15729 V729 □-----CK50
□ 15719 SEL 2 0500 □
□ 15724 WR R 16379 W379 □
□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

911 ON BYPASS T/O

S-9

NEXT PAGE

RESET SPC TO ZERO AND REPEAT

gscans/g0015294.png

CK49.....

15729	SBZ	%	01	14929	U9S9	□
15734	SBN	%	10	14929	URK9	□
15739	SBZ	%	03	14929	U9B9	□
15744	SBN	%	12	14929	UI29	□
15749	SBZ	%	01	14928	U9S8	□
15754	SBN	%	10	14928	URK8	□
15759	SBZ	%	03	14928	U9B8	□
15764	SBN	%	12	14928	UI28	□
15769	SBZ	%	01	14927	U9S7	□
15774	SBN	%	10	14927	URK7	□
15779	SBZ	%	03	14927	U9B7	□
15784	SBN	%	12	14927	UI27	□
15789	SBZ	%	01	15855	V8V5	□
15794	SBZ	%	01	14926	U9S6	□
15799	SBN	%	10	14926	URK6	□
15804	SBZ	%	03	14926	U9B6	□
15809	SBN	%	12	14926	UI26	□

RESET ERROR INDIC

15814	SEL	2	0916	□	
15819	TRS	0	15829	V829-□	
15824	TR	1	15839	V839-□	
15829	RCV	U	31556	A556-□	
15834	TSL	1	01	31079	A0X9-□
15839	SEL	2	0912	□	
15844	TRS	0	14419	U419-□	
15849	TR	1	16404	W404-□	

TO TAB WR ROUT

912 ON RPT. S-9
GO TO S-10

CONSTANTS

2	005	15854	00
2	001	15855	
2	050	15905	
2	050	15955	
2	050	16005	
2	050	16055	
2	050	16105	
2	050	16155	
2	050	16205	
2	050	16255	
2	050	16305	
2	050	16355	
2	006	16361	
2	008	16369	
2	008	16377	
2	001	16378	
2	003	16381	
2	001	16382	
2	008	16390	
2	008	16398	

GGGGGGGG

S-9

11111111

CL50

CL56.....

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□□□□□□□□□□□□V□□□□□□□□□□□□□□
□
16404 SPC , 0000
16409 SET B 15 0008 0&&8
16414 RCV U 15 19512 Z512
16419 TMT 9 15 19520 ZEB0
16424 SET B 15 0008 0&&8
16429 RCV U 15 19534 Z534
16434 TMT 9 15 19542 ZED2
16439 SBN % 12 19519 ZE19
16444 SBN % 12 19518 ZE18
16449 SBN % 12 19517 ZE17
16454 SBN % 12 19516 ZE16
16459 SBN % 12 19515 ZE15
16464 SBN % 12 19514 ZE14
16469 SBN % 12 19513 ZE13
16474 SBN % 12 19512 ZE12
□□□□□□□□□□□□I□□□□□□□□□□□□□□

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□□□□□□□□□□□□V□□□□□□□□□□□□□□
□
16479 SBR % 08 19519 ZN19
16484 SBR % 08 19518 ZN18
16489 SBR % 08 19517 ZN17
16494 SBR % 08 19516 ZN16
16499 SBR % 08 19515 ZN15
16504 SBR % 08 19514 ZN14
16509 SBR % 08 19513 ZN13
16514 SBR % 08 19512 ZN12
□□□□□□□□□□□□I□□□□□□□□□□□□□□

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□□□□□□□□□□□□V□□□□□□□□□□□□□□
□
16519 SBZ % 01 19541 Z5U1
16524 SBZ % 01 19540 Z5U0
16529 SBZ % 01 19539 Z5T9
16534 SBZ % 01 19538 Z5T8
16539 SBZ % 01 19537 Z5T7
16544 SBZ % 01 19536 Z5T6
16549 SBZ % 01 19535 Z5T5
16554 SBZ % 01 19534 Z5T4
□□□□□□□□□□□□I□□□□□□□□□□□□□□

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□□□□□□□□□□□□V□□□□□□□□□□□□□□
□
16559 SPC , 0000
16564 LSB , 04 19541 ZV41
16569 USB , 05 19511 ZV/1
16574 USB , 05 19503 ZV 3
16579 USB , 05 19495 ZU25
16584 USB , 05 19487 ZUY7
□□□□□□□□□□□□I□□□□□□□□□□□□□□

```

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□□□□□□□□□□□□V□□□□□□□□□□□□□□
□
16589 LSB , 04 19519 ZV19
16594 USB , 05 19479 ZUX9
16599 USB , 05 19471 ZUX1
16604 USB , 05 19463 ZUW3
16609 USB , 05 19455 ZUV5
□□□□□□□□□□□□I□□□□□□□□□□□□□□

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□□□□□□□□□□□□V□□□□□□□□□□□□□□
□
16614 LSB , 04 19541 ZV41
16619 USB , 05 19447 ZUU7
16624 USB , 05 19439 ZUT9
16629 USB , 05 19431 ZUT1
16634 USB , 05 19423 ZUS3
□□□□□□□□□□□□I□□□□□□□□□□□□□□

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□□□□□□□□□□□□V□□□□□□□□□□□□□□
□
16639 LSB , 04 19519 ZV19
16644 USB , 05 19415 ZU/5
16649 USB , 05 19407 ZU 7
16654 USB , 05 19399 ZTZ9
16659 USB , 05 19391 ZTZ1
□□□□□□□□□□□□I□□□□□□□□□□□□□□

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NEXT PAGE

gscans/g0015208.png

16664 LSB , 04 19541 ZV41
16669 USB , 05 19383 ZTY3
16674 USB , 05 19375 ZTX5
16679 USB , 05 19367 ZTW7
16684 USB , 05 19359 ZTV9

16689 LSB , 04 19519 ZV19
16694 USB , 05 19351 ZTV1
16699 USB , 05 19343 ZTU3
16704 USB , 05 19335 ZTT5
16709 USB , 05 19327 ZTS7

16714 LSB , 04 19541 ZV41
16719 USB , 05 19319 ZT/9
16724 USB , 05 19311 ZT/1
16729 USB , 05 19303 ZT_3
16734 USB , 05 19295 ZSZ5

16739 LSB , 04 19519 ZV19
16744 USB , 05 19287 ZSY7
16749 USB , 05 19279 ZSX9
16754 USB , 05 19271 ZSX1
16759 USB , 05 19263 ZSW3

16764 SBZ % 01 16914 W974
16769 SBN % 10 16914 WRJ4
16774 SBZ % 03 16914 W9A4
16779 SBN % 12 16914 W114
16784 SBZ % 01 16913 W973
16789 SBN % 10 16913 WRJ3
16794 SBZ % 03 16913 W9A3
16799 SBN % 12 16913 W113
16804 SBZ % 01 16912 W972
16809 SBN % 10 16912 WRJ2
16814 SBZ % 03 16912 W9A2
16819 SBN % 12 16912 W112
16824 SBZ % 01 16911 W971
16829 SBN % 10 16911 WRJ1
16834 SBZ % 03 16911 W9A1
16839 SBN % 12 16911 W111
16844 RCV U 0411
16849 TSL 1 01 0274 02X4

SET SPC TO ZERO

TO RESET T/O

16854 SPC , 0000
16859 LSB , 04 19511 ZV11
16864 SPC , 1000
16869 LSB , 04 19511 ZV11
16874 SPC , 2000
16879 LSB , 04 19511 ZV11
16884 SPC , 3000
16889 LSB , 04 19511 ZV11
16894 TR 1 16909 W909
16899 SPC , 4000
16904 LSB , 04 19511 ZV11

LOAD STORAGE

CM53

NEXT PAGE

```

CM52 ..... 16909 SBZ % 01 19005 Z0 5
CN55 ..... 16914 SPC , 0000
      16919 NOP A 3 J80 J80
      16924 SBN % 13 16919 W1/9
      16929 RCV U 16912 W912
      16934 TZB 01 17134 X174
      16939 TR 1 16944 W944

```

16944	UFC	03	19004	Z084
16949	RCV	U	19004	Z084
16954	TZB	01	16964	W9W4
16959	TR	1	16979	W979
16964	SBN	% 09	19005	Z- 5
16969	SBN	% 11	1887	1QH7
16974	SBN	% 13	1887	1HY7
16979	TZB	02	16989	W9Q9
16984	TR	1	17004	X004
16989	SBN	% 09	19005	Z- 5
16994	SBN	% 11	1886	1QH6
16999	SBN	% 13	1886	1HY6
17004	TZB	03	17014	X0A4
17009	TR	1	17029	X029
17014	SBN	% 09	19005	Z- 5
17019	SBN	% 11	1885	1QH5
17024	SBN	% 13	1885	1HY5

17029	TZB	04	17039	X 39
17034	TR	1	17054	X054
17039	SBN	% 09	19005	Z- 5
17044	SBN	% 11	1884	1QH4
17049	SBN	% 13	1884	1HY4
17054	TZB	05	17064	X W4
17059	TR	1	17079	X079
17064	SBN	% 09	19005	Z- 5
17069	SBN	% 11	1883	1QH3
17074	SBN	% 13	1883	1HY3
17079	TZB	06	17089	X Q9
17084	TR	1	17104	X104
17089	SBN	% 09	19005	Z- 5
17094	SBN	% 11	1882	1QH2
17099	SBN	% 13	1882	1HY2
17104	TZB	07	17114	X/A4
17109	TR	1	17374	X374
17114	SBN	% 09	19005	Z- 5
17119	SBN	% 11	1881	1QH1
17124	SBN	% 13	1881	1HY1
17129	TR	1	17374	X374

[illegible]

CHAR. COMPARE

RESET ERROR INDICATOR
SPC ADDR. OF CHAR. COMPARED

CHANGE ZERO TO R.M.

TO ALL BITS COMP.

G.M. COMP.

BIT 1

FORM D

BIT 2

FORM D

BIT 4

FORM D

BIT 8

FORM D

BITA

FORM D

BIT B

FORM D

BIT C

FORM D

DILROY COMP.

NO BITS COMP.

gscans/g0015292.png

```

CP53.....17189 RCV U      19004 Z004
17194 TZB  01 17219 X2/9
17199 SBN  09 19005 Z- 5
17204 SBN  09 1887 1QY7
17209 SBN  10 1887 1QQ7
17214 SBN  11 1887 1QH7
17219 TZB  02 17244 X2M4
17224 SBN  09 19005 Z- 5
17229 SBN  09 1886 1QY6
17234 SBN  10 1886 1QQ6
17239 SBN  11 1886 1QH6
17244 TZB  03 17269 X2F9
17249 SBN  09 19005 Z- 5
17254 SBN  09 1885 1QY5
17259 SBN  10 1885 1QQ5
17264 SBN  11 1885 1QH5

17269 TZB  04 17294 XS94
17274 SBN  09 19005 Z- 5
17279 SBN  09 1884 1QY4
17284 SBN  10 1884 1QQ4
17289 SBN  11 1884 1QH4
17294 TZB  05 17319 XT/9
17299 SBN  09 19005 Z- 5
17304 SBN  09 1883 1QY3
17309 SBN  10 1883 1QQ3
17314 SBN  11 1883 1QH3
17319 TZB  06 17344 XTM4
17324 SBN  09 19005 Z- 5
17329 SBN  09 1882 1QY2
17334 SBN  10 1882 1QQ2
17339 SBN  11 1882 1QH2
17344 TZB  07 17369 XTF9
17349 SBN  09 19005 Z- 5
17354 SBN  09 1881 1QY1
17359 SBN  10 1881 1QQ1
17364 SBN  11 1881 1QH1
17369 TR   1 17499 X499-----CT55

```

FORM P

BIT 2

FORM P

BIT 4

FORM P

BIT 8

FORM P

BIT A

FORM P

BIT B

FORM P

BIT C

FORM P

1

```

CQ53.....17374 RCV U      19005 Z005
17379 TZB  01 17494 X4Z4-----CS55
17384 SEL  2 0911
17389 TRS  0 17474 X474-----CR55
17394 RCV U      1874
17399 TMT  9 16914 W914
17404 SBZ  02 1879 18P9
17409 SBZ  04 1879 1Y79
17414 SBZ  01 1870 18X0
17419 SBZ  02 1870 18P0
17424 SBZ  04 1870 1Y70
17429 SBN  13 1877 1HX7
17434 SBZ  01 1875 18X5
17439 SBZ  06 1875 1YP5

```

G.M. T/O ROUTINE

NO ERR - BYP T/O

911 ON BYP T/O

SPC TO T/O AREA

CHANGE RM-BL

*-BL

J-A

A-BL

NEXT PAGE

CR54.....

CS54.....

CT53

CT54.....

```

□ 17444 RCV U 32619 B619 □
□ 17449 TMT 9 16914 W914 □
□ 17454 RCV U 31971 A971 □
□ 17459 TSL 1 01 31564 A5W4 □-----DU90
□ 17464 SEL 2 0500 □
□ 17469 WR R 1867 □
□ 17474 SEL 2 0915 □
□ 17479 TRS 0 17494 X494 □
□ 17484 RCV U 30061 8061 □ I
□ 17489 TSL 1 01 23804 L8 4 □-----DR90
□ 17494 TR 1 17624 X624 □

```

```

□ 17499 RCV U 19005 Z005 □
□ 17504 TZB 01 17619 X679 □
□ 17509 SEL 2 0911 □
□ 17514 TRS 0 17599 X599 □
□ 17519 RCV U 1874 □
□ 17524 TMT 9 16914 W914 □
□ 17529 SBZ % 02 1879 18P9 □
□ 17534 SBZ % 04 1879 1Y79 □
□ 17539 SBZ % 01 1870 18X0 □
□ 17544 SBZ % 02 1870 18P0 □
□ 17549 SBZ % 04 1870 1Y70 □
□ 17554 SBN % 11 1877 1Q67 □
□ 17559 SBZ % 01 1875 18X5 □
□ 17564 SBZ % 06 1875 1YP5 □

```

```

□ 17569 RCV U 32619 B619 □
□ 17574 TMT 9 16914 W914 □
□ 17579 RCV U 31971 A971 □
□ 17584 TSL 1 01 31564 A5W4 □-----DU90
□ 17589 SEL 2 0500 □
□ 17594 WR R 1867 □
□ 17599 SEL 2 0915 □
□ 17604 TRS 0 17619 X619 □
□ 17609 RCV U 30061 8061 □
□ 17614 TSL 1 01 23804 L8 4 □-----DR90
□ 17619 TR 1 17624 X624 □

```

```

□ 17624 SBZ % 01 19005 Z0 5 □
□ 17629 RCV U 0411 □
□ 17634 TSL 1 01 0274 02X4 □-----B02
□ 17639 RCV U 1909 □
□ 17644 TMT 9 16914 W914 □
□ 17649 RCV U 1431 □
□ 17654 TSL 1 01 0814 0874 □-----F04
□ 17659 RCV U 16914 W914 □
□ 17664 TMT 9 1909 □
□ 17669 RCV U 1915 □
□ 17674 TZB 01 17684 X6Y4 □
□ 17679 TR 1 16914 W914 □-----CN53
□ 17684 SBN % 09 1915 1R75 □
□ 17689 TR 1 17694 X694 □

```

```

□ 17694 SEL 2 0911 □
□ 17699 TRS 0 17714 X714 □-----CU56
□ 17704 SEL 2 0500 □
□ 17709 WR R 19529 Z529 □

```

NEXT PAGE

TO BSW-WD DECODE

SPC ABCD AB-----
915 ON BYP TABTO TAB
TO RESET T/O AND UPDATE SPC &1

BL T/O ROUTINE

NO ERR - BYP T/O

911 ON BYP T/O

SPC TO T/O AREA

CHANGE RM-BL

, -BL

J-N
A-BL

TO BSW-WD DECODE

SPC ABCD NB-----
915 ON BYP TABTO TAB
TO RESET T/O AND UPDATE SPC &1

RESET T/O AND UPDATE SPC &1

RESET ERROR INDICATOR

TO RESET T/O

TO INC. SPC &1

TO SPC

TO END SECT. ROUT.

END OF SECTION ROUTINE

911 ON BYPASS T/O

RESET SPC TO ZERO AND REPEAT

gscans/g0015291.png

CU55.....

17714	SBZ	%	01	16914	W9/4	□
17719	SBN	%	10	16914	WRJ4	□
17724	SBZ	%	03	16914	W9A4	□
17729	SBN	%	12	16914	W114	□
17734	SBZ	%	01	16913	W9/3	□
17739	SBN	%	10	16913	WRJ3	□
17744	SBZ	%	03	16913	W9A3	□
17749	SBN	%	12	16913	W113	□
17754	SBZ	%	01	16912	W9/2	□
17759	SBN	%	10	16912	WRJ2	□
17764	SBZ	%	03	16912	W9A2	□
17769	SBN	%	12	16912	W112	□
17774	SBZ	%	01	19005	Z0 5	□
17779	SBZ	%	01	16911	W9/1	□
17784	SBN	%	10	16911	WRJ1	□
17789	SBZ	%	03	16911	W9A1	□
17794	SBN	%	12	16911	W111	□

RESET ERROR INDIC

17799	SEL	2	0916	□
17804	TRS	0	17814	X814-□
17809	TR	1	17824	X824-□
17814	RCV	U	31556	A556-□
17819	TSL	1 01	31079	A0X9-□
17824	SEL	2	0912	□
17829	TRS	0	16404	W404-□
17834	TR	1	19554	Z554-□

TO TAB WR ROUT

912 ON RPT. S-10
TO S- 11

CONSTANTS

2	005	19004	00
2	001	19005	
2	050	19055	
2	050	19105	
2	050	19155	
2	050	19205	
2	050	19255	
2	050	19305	
2	050	19355	
2	050	19405	
2	050	19455	
2	050	19505	
2	006	19511	
2	008	19519	
2	008	19527	
2	001	19528	
2	004	19532	
2	001	19533	
2	008	19541	
2	008	19549	

1

GGGGGGGG

S-10

11111111

CV62.....

19554	EEM	3 14	0000	08-0.□
19559	SPC	,	0000	□
19564	SET	B	0001	□
19569	RCV	U	20304	-304 □
19574	SND	/	20564	-564 □
19579	SBR	% 08	20304	-L04 □
19584	SBR	% 08	20303	-L03 □
19589	SBR	% 08	20302	-L02 □
19594	SBR	% 08	20301	-L01 □
19599	SBR	% 08	20300	-L00 □
19604	SET	B	0051	□
19609	RCV	U	20309	-309 □
19614	SND	/	20304	-304 □

SECT 11 HOUSEKEEPING

SET UP 256 CHAR FLD

NEXT PAGE

FROM PREVIOUS PAGE

PAGE 57 OF 71

8SB15

[illegible]

SET SPC TO ZERO

TO RESET T/O

[illegible]

SET UP WD COMPLEMENT FLD

[illegible]

LOAD STORAGE

BIT COMP.

RESET ERROR INDIC.

CHANGE ZERO TO R.M.
PLACE FOUR CHAR. IN WK. AREA

```
CW59..... 19824 SPC ~ 0000
           19829 NOP A 3 AB0 AB0
           19834 SBN % 13 19829 ZHS9
           19839 UFC , 03 20574 -5G4
           19844 NOP A 0000
```

NEXT PAGE

gscans/g0014

```

      20124 SEL 2 0915 . . . . .
      20129 TRS O 20144 -144 - - -
      20134 RCV U 30061 8061 - - -
      20139 TSL 1 01 23804 L8 4 - - - - - DR90
      20144 TR 1 20149 -149 - - - - - CX59

```

8SB15

COMP .FOR REDUNDANT G.M. - BI

BIT 2

FORM D

BIT 4

FORM D

BIT 8

FORM D

BIT A

FORM D

BIT B

FORM D

BIT C

FORM D

T/O ROUTINE

INTERROGATE ERROR INDIC.

911 ON - BYPASS T/O
SPC TO T/O AREA

CHANGE RM-BL

,-BL

A-BL

TO BSW - WD DECODE

SPC ABCD AB-----

STORE ERRORS

915 ON BYPASS STORING ERRORS

TO TAB

CX58
 20149 RCV U 0411
 20154 TSL 1 01 0274 02X4 B02 TO RESET T/O
 20159 RCV U 1909
 20164 TMT 9 19824 Z824
 20169 RCV U 1431
 20174 TSL 1 01 0814 08/4 F04 INC SPC &1
 20179 RCV U 19824 Z824
 20184 TMT 9 1909
 20189 SBZ % 01 20565 -5W5 RESET ERROR INDIC
 20194 RCV U 1915
 20199 TZB 01 20209 -2 9
 20204 TR 1 19824 Z824 CW57 TO SPC
 20209 SBN % 09 1915 1R/5

RESET SPC TO ZERO

20214 SBZ % 01 19824 Z8S4
 20219 SBZ % 03 19824 Z8B4
 20224 SBN % 10 19824 ZQK4
 20229 SBN % 12 19824 ZH24
 20234 SBZ % 01 19823 Z8S3
 20239 SBZ % 03 19823 Z8B3
 20244 SBN % 10 19823 ZQK3
 20249 SBN % 12 19823 ZH23
 20254 SBZ % 01 19822 Z8S2
 20259 SBZ % 03 19822 Z8B2
 20264 SBN % 10 19822 ZQK2
 20269 SBN % 12 19822 ZH22
 20274 SBZ % 01 20565 -5W5 RESET ERROR INDIC
 20279 SBZ % 01 19821 Z8S1
 20284 SBZ % 03 19821 Z8B1
 20289 SBN % 10 19821 ZQK1
 20294 SBN % 12 19821 ZH21
 20299 TR 1 20579 -579 CY60

RESET ERROR INDIC

CONSTANTS

2 050 20349
 2 050 20399
 2 050 20449
 2 050 20499
 2 050 20549
 2 010 20559
 2 001 20560
 2 001 20561
 2 001 20562
 2 001 20563
 2 001 20564
 2 001 20565
 2 005 20574 00

□
 □
 □
 □
 □
 1

CY59.....

TO RESET T/O
RESET ERROR INDIC.

CZ62.....

CHANGE ZERO TO R.M.
PLACE 4 CHAR. 1N WK. AREA

INTER • FOR CHAR 0

SWITCH

CHANGE 0 TO 4

SWITHC TO TR

DILROY COMP.

TO NO BIT COMP.

DILROY NO ERROR

```

915 ON BYPASS STORING ERRORS
TO TAB

```

DB60

```

DB61.....21189 RCV U 0411
                21194 TSL 1 01 0274 02X4-----B02
                21199 RCV U 1909
                21204 TMT 9 20674 -674
                21209 RCV U 1431
                21214 TSL 1 01 0814 08/4-----F04
                21219 RCV U 20674 -674
                21224 TMT 9 1909
                21229 SBZ % 01 21415 J4/5
                21234 RCV U 1915
                21239 TTB 1 01 21249 J2U9-----
                21244 TR 1 20674 -674-----CZ60
                21249 SBN % 09 1915 1R/5

```

TO RESET T/O

TO INC SPC &1

RESET ERROR INDIC

TO SPC

END OF SECT. ROUTINE

911 ON BYPASS T/O

RESET SPC TO ZERO

[illegible][illegible]

RESET ERROR INDIC

```

      21359 SEL 2      0916
      21364 TRS 0      21374 J374
      21369 TR 1      21384 J384
      21374 RCV U      31556 A556
      21379 TSL 1 01 31079 A0X9
      21384 SEL 2      0912
      21389 TRS 0      19554 Z554
      21394 TR 1      21439 J439

```

TO TAB WR ROUT

912 ON RPT. S-11
TO S-12

CONSTANTS

```

2 010 21404
2 010 21414
2 001 21415
2 005 21424 00
2 001 21425
2 004 21429
2 001 21430

```

1
□
S-11
□

DC69.....

[illegible][illegible][illegible][illegible]

DD65.....

```

□□□□□□□□□□□□↓□□□□□□□□□□□□
□ 21699 SBZ % 01 22495 K4Z5 □
■ 21704 SPC , 0000 □
□ 21709 NOP A 3 NBO NBO □
□ 21714 SBN % 13 21709 JG 9 □
□ 21719 UFC , 03 22504 K5&4 □
□□□□□□□□□□□□□□□□□□□□□□□□

```

CHANGE ZERO TO R.M.
PLACE 4 CHAR. IN WK. AREA

NEXT PAGE

gscans/g0015287

21724 RCV U 22504 K504
21729 TZB 01 21739 J7T9
21734 TR 1 21774 J774
21739 TZB 02 21774 J7P4
21744 TZB 03 21774 J7G4
21749 TZB 04 21774 JX74
21754 TZB 05 21774 JXX4
21759 TZB 06 21774 JXP4
21764 TZB 07 21774 JXG4
21769 TR 1 22079 K079

DF65

DILROY COMP.

TO NO BIT COMP.
TO NO BIT COMP.
TO NO BIT COMP.
TO NO BIT COMP.
TO NO BIT COMP.
TO NO BIT COMP.
TO NO BIT COMP.
DILROY NO ERROR

21774 RCV U 22504 K504
21779 NOP A 0000
21784 TZB 01 21809 J8 9
21789 SBN 09 22495 KMZ5
21794 SBN 09 1887 1QY7
21799 SBN 10 1887 1QQ7
21804 SBN 11 1887 1QH7
21809 TZB 02 21834 J8L4
21814 SBN 09 22495 KMZ5
21819 SBN 09 1886 1QY6
21824 SBN 10 1886 1QQ6
21829 SBN 11 1886 1QH6
21834 TZB 03 21859 J8E9
21839 SBN 09 22495 KMZ5
21844 SBN 09 1885 1QY5
21849 SBN 10 1885 1QQ5
21854 SBN 11 1885 1QH5

COMP FOR NO BITS

BIT 1

FORM P

BIT 2

FORM P

BIT 4

FORM P

21859 TZB 04 21884 JY84
21864 SBN 09 22495 KMZ5
21869 SBN 09 1884 1QY4
21874 SBN 10 1884 1QQ4
21879 SBN 11 1884 1QH4
21884 TZB 05 21909 JZ 9
21889 SBN 09 22495 KMZ5
21894 SBN 09 1883 1QY3
21899 SBN 10 1883 1QQ3
21904 SBN 11 1883 1QH3
21909 TZB 06 21934 JZL4
21914 SBN 09 22495 KMZ5
21919 SBN 09 1882 1QY2
21924 SBN 10 1882 1QQ2
21929 SBN 11 1882 1QH2
21934 TZB 07 21959 JZE9
21939 SBN 09 22495 KMZ5
21944 SBN 09 1881 1QY1
21949 SBN 10 1881 1QQ1
21954 SBN 11 1881 1QH1

DE65

BIT 8

FORM P

BIT A

FORM P

BIT B

FORM P

BIT C

FORM P

NEXT PAGE

FROM PREVIOUS PAGE

PAGE 65 OF 71

8SB15

T/O ROUTINE

INTERROGATE ERROR INDIC.
NO ERROR BYP TAB911 ON - BYPASS T/O
SPC TO T/O AREA

CHANGE RM-BL

A-BL

A-BL

TO BSW - WD DECODE

SPC ABCD NB-----

STORE ERRORS

915 ON BYPASS STORING ERRORS
TO TAB

RESET T/O AREA

TO RESET T/O

INC SPC &1

RESET ERROR INDIC

TO SPC

RESET SPC TO ZERO

RESET ERROR INDIC

DE64.....

21959	RCV	U	01	22495	K495		
21964	TZB			22079	K0X9		
21969	SEL	2		0911			
21974	TRS	0		22054	K054		
21979	RCV	U		1874			
21984	TMT	9		21704	J704		
21989	SBZ	%	02	1879	18P9		
21994	SBZ	%	04	1879	1Y79		
21999	SBZ	%	01	1870	18X0		
22004	SBZ	%	02	1870	18P0		
22009	SBZ	%	04	1870	1Y70		
22014	SBZ	%	01	1875	18X5		
22019	SBZ	%	06	1875	1YP5		
22024	RCV	U		32619	B619		
22029	TMT	9		21704	J704		
22034	RCV	U		31971	A971		
22039	TSL	1	01	31564	A5W4		DU90
22044	SEL	2		0500			
22049	WR	R		1867			

DF64.....

22079	RCV	U		0411			
22084	TSL	1	01	0274	02X4		B02
22089	RCV	U		1909			
22094	TMT	9		21704	J704		
22099	RCV	U		1431			
22104	TSL	1	01	0814	08/4		F04
22109	RCV	U		21704	J704		
22114	TMT	9		1909			
22119	SBZ	%	01	22495	K4Z5		
22124	RCV	U		1915			
22129	TZB		01	22139	K1T9		
22134	TR	1		21704	J704		DD63
22139	SBN	%	09	1915	1R/5		

22144	SBZ	%	01	21704	J7 4		
22149	SBZ	%	03	21704	J7&4		
22154	SBN	%	10	21704	JP-4		
22159	SBN	%	12	21704	JG04		
22164	SBZ	%	01	21703	J7 3		
22169	SBZ	%	03	21703	J7&3		
22174	SBN	%	10	21703	JP-3		
22179	SBN	%	12	21703	JG03		
22184	SBZ	%	01	21702	J7 2		
22189	SBZ	%	03	21702	J7&2		
22194	SBN	%	10	21702	JP-2		
22199	SBN	%	12	21702	JG02		
22204	SBZ	%	01	22495	K4Z5		
22209	SBZ	%	01	21701	J7 1		
22214	SBZ	%	03	21701	J7&1		
22219	SBN	%	10	21701	JP-1		
22224	SBN	%	12	21701	JG01		
22229	TR	1		22509	K509		DG66

CONSTANTS

gscans/g0015286.png

2 050 22279
 2 050 22329
 2 050 22379
 2 050 22429
 2 050 22479
 2 010 22489
 2 005 22494
 2 001 22495
 2 005 22504 00

1

HOUSEKEEPING

SET SPC TO ZERO

DG65..... 22509 EEM 3 14 0000 06-0
 22514 SPC , 0000
 22519 SBZ % 01 22614 K6/4
 22524 SBN % 10 22614 KOJ4
 22529 SBZ % 03 22614 K6A4
 22534 SBN % 12 22614 KF14
 22539 SBZ % 01 22613 K6/3
 22544 SBN % 10 22613 KOJ3
 22549 SBZ % 03 22613 K6A3
 22554 SBN % 12 22613 KF13
 22559 SBZ % 01 22612 K6/2
 22564 SBN % 10 22612 KOJ2
 22569 SBZ % 03 22612 K6A2
 22574 SBN % 12 22612 KF12
 22579 SBZ % 01 22611 K6/1
 22584 SBN % 10 22611 KOJ1
 22589 SBZ % 03 22611 K6A1
 22594 SBN % 12 22611 KF11
 22599 RCV U 0411
 22604 TSL 1 01 0274 02X4 B02 TO RESET T/O

BIT COMP.

RESET ERROR INDIC.

CHANGE ZERO TO R.M.
 PLACE FOUR CHAR. IN WK. AREA

DH67
 DH68..... 22609 SBZ % 01 23323 L3S3
 22614 SPC , 0000
 22619 NOP A 3 ABO ABO
 22624 SBN % 13 22619 KF19
 22629 UFC , 03 23329 L3B9

NEXT PAGE

□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□ 22634 RCV U 22614 K614 □
□ 22639 TZB • 04 22649 KW49 □
□ 22644 TR 1 22664 K664 □
□ 22649 SBN % 13 22660 KFW0 □
□ 22654 SBN % 14 22660 KFO0 □
□ 22659 TR 1 22774 K774 □
□ 22664 NOP A 22774 K774 □
□ 22669 RCV U 22719 K719 □
□ 22674 TMT 9 22614 K614 □
□ 22679 RCV U 22734 K734 □
□ 22684 TMT 9 22614 K614 □
□ 22689 SPC • 0000 □
□ 22694 NOP A 0000 □
□ 22699 LSB • 04 22489 KU89 □
□ 22704 SBN % 11 22734 KPC4 □
□ 22709 SBZ % 02 22734 K7L4 □
□ 22714 SBZ % 04 22734 KX34 □
□ 22719 SPC • 0000 □
□ 22724 NOP A 0000 □
□ 22729 LFC • 02 23314 L3J4 □
□ 22734 SPC • 0000 □
□ 22739 NOP A 0000 □
□ 22744 LFC • 02 23314 L3J4 □
□ 22749 RCV U 22689 K689 □
□ 22754 TMT 9 22614 K614 □
□ 22759 SBZ % 05 22660 KWW0 □
□ 22764 SBZ % 06 22660 KW00 □
□ 22769 TR 1 22614 K614 □
□□□□□□□□□□□□□□□□□□□□□□□□□□□□

INTERR. FOR CHAR. 0

SWITCH TO NOP

SWITCH

RELOAD NO BITS

CHANGE 0 TO 4

SWITCH TO TR

---DH66

□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□ 22774 RCV U 23329 L329 □
□ 22779 TZB • 01 22789 K7Y9 □
□ 22784 TR 1 22804 K804 □
□ 22789 SBN % 09 23323 LLS3 □
□ 22794 SBN % 11 1887 1QH7 □
□ 22799 SBN % 13 1887 1HY7 □
□ 22804 TZB • 02 22814 K8J4 □
□ 22809 TR 1 22829 K829 □
□ 22814 SBN % 09 23323 LLS3 □
□ 22819 SBN % 11 1886 1QH6 □
□ 22824 SBN % 13 1886 1HY6 □
□ 22829 TZB • 03 22839 K8C9 □
□ 22834 TR 1 22854 K854 □
□ 22839 SBN % 09 23323 LLS3 □
□ 22844 SBN % 11 1885 1QH5 □
□ 22849 SBN % 13 1885 1HY5 □
□□□□□□□□□□□□□□□□□□□□□□□□□□□□

COMP. FOR ALL BITS BIT 1

FORM D

BIT 2

FORM D

BIT 4

FORM D

□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□ 22854 TZB • 04 22864 KY64 □
□ 22859 TR 1 22879 K879 □
□ 22864 SBN % 09 23323 LLS3 □
□ 22869 SBN % 11 1884 1QH4 □
□ 22874 SBN % 13 1884 1HY4 □
□ 22879 TZB • 05 22889 KYY9 □
□ 22884 TR 1 22904 K904 □
□ 22889 SBN % 09 23323 LLS3 □
□ 22894 SBN % 11 1883 1QH3 □
□ 22899 SBN % 13 1883 1HY3 □
□ 22904 TZB • 06 22914 KZJ4 □
□ 22909 TR 1 22929 K929 □
□ 22914 SBN % 09 23323 LLS3 □
□ 22919 SBN % 11 1882 1QH2 □
□ 22924 SBN % 13 1882 1HY2 □
□ 22929 TZB • 07 22939 KZC9 □
□ 22934 TR 1 22954 K954 □
□ 22939 SBN % 09 23323 LLS3 □
□ 22944 SBN % 11 1881 1QH1 □
□ 22949 SBN % 13 1881 1HY1 □
□□□□□□□□□□□□□□□□□□□□□□□□□□□□

BIT 8

FORM D

BIT A

FORM D

BIT B

FORM D

BIT C

FORM D

---DJ68

FROM PREVIOUS PAGE

PAGE 68 OF 71

8SB15

gscans/g0015285.png

T/O ROUTINE

INTERROGATE ERROR INDIC.

911 ON - BYPASS T/O
SPC TO T/O AREA

RM-BL

-BL

A-BL

TO BSW - WD DECODE

SPC ABCD AB-----

STORE ERRORS

915 ON BYPASS STORING ERRORS
TO TAB

RESET T/O AREA

TO RESET T/O

INC SPC &1

RESET ERROR INDIC

TO SPC

END OF SECT. ROUTINE

911 ON BYPASS T/O
S-12

DJ67.....

22954	RCV	U	23323	L323	
22959	TZB	01	23074	L0X4	
22964	SEL	2	0911		
22969	TRS	0	23049	L049	
22974	RCV	U	1874		
22979	TMT	9	22614	K614	
22984	SBZ	% 02	1879	18P9	
22989	SBZ	% 04	1879	1Y79	
22994	SBZ	% 01	1870	18X0	
22999	SBZ	% 02	1870	18P0	
23004	SBZ	% 04	1870	1Y70	
23009	SBZ	% 01	1875	18X5	
23014	SBZ	% 06	1875	1YP5	
23019	RCV	U	32619	B619	
23024	TMT	9	22614	K614	
23029	RCV	U	31971	A971	
23034	TSL	1 01	31564	A5W4	DU90
23039	SEL	2	0500		
23044	WR	R	1867		

23049	SEL	2	0915		
23054	TRS	0	23069	L069	
23059	RCV	U	30061	L061	
23064	TSL	1 01	23804	L8 4	DR90
23069	TR	1	23074	L074	

23074	RCV	U	0411		
23079	TSL	1 01	0274	02X4	B02
23084	RCV	U	1909		
23089	TMT	9	22614	K614	
23094	RCV	U	1431		
23099	TSL	1 01	0814	08/4	F04
23104	RCV	U	22614	K614	
23109	TMT	9	1909		
23114	SBZ	% 01	23323	L3S3	
23119	RCV	U	1915		
23124	TZB	01	23134	L1T4	
23129	TR	1	22614	K614	DH66
23134	SBN	% 09	1915	1R/5	

23139	SEL	2	0911		
23144	TRS	0	23159	L159	DK69
23149	SEL	2	0500		
23154	WR	R	23331	L331	

NEXT PAGE

RESET SPC TO ZERO

DK68.....

□	23159	SBZ	%	01	22614	K6/4	□
□	23164	SBZ	%	03	22614	K6A4	□
□	23169	SBN	%	10	22614	KOJ4	□
□	23174	SBN	%	12	22614	KF14	□
□	23179	SBZ	%	01	22613	K6/3	□
□	23184	SBZ	%	03	22613	K6A3	□
□	23189	SBN	%	10	22613	KOJ3	□
□	23194	SBN	%	12	22613	KF13	□
□	23199	SBZ	%	01	22612	K6/2	□
□	23204	SBZ	%	03	22612	K6A2	□
□	23209	SBN	%	10	22612	KOJ2	□
□	23214	SBN	%	12	22612	KF12	□
□	23219	SBZ	%	01	23323	L3S3	□
□	23224	SBZ	%	01	22611	K6/1	□
□	23229	SBZ	%	03	22611	K6A1	□
□	23234	SBN	%	10	22611	KOJ1	□
□	23239	SBN	%	12	22611	KF11	□

RESET ERROR INDIC

DL7L.....

□	23244	SEL	2	0916		□
□	23249	TRS	0	23259	L259	□
□	23254	TR	1	23269	L269	□
□	23259	RCV	U	31556	A556	□
□	23264	TSL	1	31079	A0X9	□
□	23269	SEL	2	0912		□
□	23274	TRS	0	21439	J439	□
□	23279	TR	1	23349	L349	□
□	23284	SEL	2	0914		□
□	23289	TRS	0	0059		□
□	23294	NOP	A	0000		□
□	23299	NOP	A	0000		□
□	23304	TR	1	18219	Y219	□

TO TAB WR ROUT
TO PASS COUNTER

TO TRANSITION PGM.

CONSTANTS

2	010	23314	
2	001	23315	□
2	001	23316	□
2	001	23317	□
2	001	23318	□
2	001	23319	□
2	001	23320	□
2	001	23321	□
2	001	23322	□
2	001	23323	1
2	005	23329	00
2	001	23330	□
2	004	23334	S-12
2	001	23335	□
2	007	23342	PASS 00
2	001	23343	□

□	23349	RCV	U	23342	L342	□
□	23354	TZB	01	23364	L3W4	□
□	23359	TR	1	23404	L404	□
□	23364	TZB	02	23404	L4-4	□
□	23369	TZB	03	23379	L3G9	□
□	23374	TR	1	23404	L404	□
□	23379	TZB	04	23404	LU04	□
□	23384	SBN	%	09	23342	□
□	23389	SBZ	%	02	23342	□
□	23394	SBZ	%	04	23342	□
□	23399	TR	1	23734	L734	□

PASS COUNTER
ZERO RECOG

CHANGE 0 TO 1

TO WR PASS 00

DN70

```

#####
23659 RCV U 23341 L941
23664 TZB 01 23724 L754
23669 SBZ % 01 23341 L3U1
23674 TZB 02 23714 L7J4
23679 SBZ % 02 23341 L3M1
23684 TZB 03 23704 L764
23689 SBZ % 03 23341 L3D1
23694 SBN % 12 23341 LC41
23699 TR 1 23734 L734
23704 SBN % 11 23341 L3D1
23709 TR 1 23734 L734
23714 SBN % 10 23341 LLM1
23719 TR 1 23734 L734
23724 SBN % 09 23341 L3U1
23729 TR 1 23734 L734
#####

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INC OTH &1

DP69

DP70

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#####
23734 SEL 2 0500
23739 WR R 23336 L336
23744 TR 1 23284 L284
#####

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WR PASS NO.

DL69

DQ01

```

#####
23749 RCV U 23342 L342
23754 SBZ % 01 23342 L3U2
23759 SBN % 10 23342 LLM2
23764 SBZ % 03 23342 L3D2
23769 SBN % 12 23342 LC42
23774 RCV U 23341 L341
23779 SBZ % 01 23341 L3U1
23784 SBN % 10 23341 LLM1
23789 SBZ % 03 23341 L3D1
23794 SBN % 12 23341 LC41
23799 TR 1 0059
#####

```

RESET PASS COUNTER

