

7012 KSR TEL.

S/O NO.23847

ASSY NO.133182

S/N 1429.....PATP. NO.CAT3 701 02-A.....

Q C A T.....05-26-73.....

STEP # 10 CHECK FOR PROPER OPERATION

ABCDEFGHIJKLMNOPQRSTUVWXYZ 0123456789 :#@*=">(<~<+|!\$?_`)*.,/;<-ABCDEFGHIJKLMN0PQRSTUW

2 3 4 >

1234567890-123456

STEP # 12 PROGRAM INITIALIZATION

ISYST,7012,0,40

STEP # 13 VIBRATION TEST

!T5T2/

ABCDEFGHIJ@, <(+|&JKLMN0PQR!\$%); ~-/STUVWXYZ , <_>70123456789: #@*=" ABCDEFGHI@, <(+|&JKLMN
ABCDEFGHIJ@, <(+|&JKLMN0PQR!\$%); ~-/STUVWXYZ , <_>70123456789: #@*=" ABCDEFGHI@, <(+|&JKLMN0
BCDEFGHI@, <(+|&JKLMN0PQR!\$%); ~-/STUVWXYZ , <_>70123456789: #@*=" ABCDEFGHI@, <(+|&JKLMN0P
CDEFGHI@, <(+|&JKLMN0PQR!\$%); ~-/STUVWXYZ , <_>70123456789: #@*=" ABCDEFGHI@, <(+|&JKLMN0PQ
DEFGHI@, <(+|&JKLMN0PQR!\$%); ~-/STUVWXYZ , <_>70123456789: #@*=" ABCDEFGHI@, <(+|&JKLMN0PQR
EFGHI@, <(+|&JKLMN0PQR!\$%); ~-/STUVWXYZ , <_>70123456789: #@*=" ABCDEFGHI@, <(+|&JKLMN0PQR
FGHI@, <(+|&JKLMN0PQR!\$%); ~-/STUVWXYZ , <_>70123456789: #@*=" ABCDEFGHI@, <(+|&JKLMN0PQR!
GHI@, <(+|&JKLMN0PQR!\$%); ~-/STUVWXYZ , <_>70123456789: #@*=" ABCDEFGHI@, <(+|&JKLMN0PQR!
HI@, <(+|&JKLMN0PQR!\$%); ~-/STUVWXYZ , <_>70123456789: #@*=" ABCDEFGHI@, <(+|&JKLMN0PQR!
I@, <(+|&JKLMN0PQR!\$%); ~-/STUVWXYZ , <_>70123456789: #@*=" ABCDEFGHI@, <(+|&JKLMN0PQR!
J@, <(+|&JKLMN0PQR!\$%); ~-/STUVWXYZ , <_>70123456789: #@*=" ABCDEFGHI@, <(+|&JKLMN0PQR!
K@, <(+|&JKLMN0PQR!\$%); ~-/STUVWXYZ , <_>70123456789: #@*=" ABCDEFGHI@, <(+|&JKLMN0PQR!
L@, <(+|&JKLMN0PQR!\$%); ~-/STUVWXYZ , <_>70123456789: #@*=" ABCDEFGHI@, <(+|&JKLMN0PQR!
M@, <(+|&JKLMN0PQR!\$%); ~-/STUVWXYZ , <_>70123456789: #@*=" ABCDEFGHI@, <(+|&JKLMN0PQR!
N@, <(+|&JKLMN0PQR!\$%); ~-/STUVWXYZ , <_>70123456789: #@*=" ABCDEFGHI@, <(+|&JKLMN0PQR!
O@, <(+|&JKLMN0PQR!\$%); ~-/STUVWXYZ , <_>70123456789: #@*=" ABCDEFGHI@, <(+|&JKLMN0PQR!
P@, <(+|&JKLMN0PQR!\$%); ~-/STUVWXYZ , <_>70123456789: #@*=" ABCDEFGHI@, <(+|&JKLMN0PQR!
Q@, <(+|&JKLMN0PQR!\$%); ~-/STUVWXYZ , <_>70123456789: #@*=" ABCDEFGHI@, <(+|&JKLMN0PQR!
R@, <(+|&JKLMN0PQR!\$%); ~-/STUVWXYZ , <_>70123456789: #@*=" ABCDEFGHI@, <(+|&JKLMN0PQR!
S@, <(+|&JKLMN0PQR!\$%); ~-/STUVWXYZ , <_>70123456789: #@*=" ABCDEFGHI@, <(+|&JKLMN0PQR!
T@, <(+|&JKLMN0PQR!\$%); ~-/STUVWXYZ , <_>70123456789: #@*=" ABCDEFGHI@, <(+|&JKLMN0PQR!
U@, <(+|&JKLMN0PQR!\$%); ~-/STUVWXYZ , <_>70123456789: #@*=" ABCDEFGHI@, <(+|&JKLMN0PQR!
V@, <(+|&JKLMN0PQR!\$%); ~-/STUVWXYZ , <_>70123456789: #@*=" ABCDEFGHI@, <(+|&JKLMN0PQR!
W@, <(+|&JKLMN0PQR!\$%); ~-/STUVWXYZ , <_>70123456789: #@*=" ABCDEFGHI@, <(+|&JKLMN0PQR!
X@, <(+|&JKLMN0PQR!\$%); ~-/STUVWXYZ , <_>70123456789: #@*=" ABCDEFGHI@, <(+|&JKLMN0PQR!
Y@, <(+|&JKLMN0PQR!\$%); ~-/STUVWXYZ , <_>70123456789: #@*=" ABCDEFGHI@, <(+|&JKLMN0PQR!
Z@, <(+|&JKLMN0PQR!\$%); ~-/STUVWXYZ , <_>70123456789: #@*=" ABCDEFGHI@, <(+|&JKLMN0PQR!

99
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00
::
==
>>
<<
<<
>>
||
||
::
??
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)
++
..
//
&&
::

ABCDEF GHIJKLMNOPQRSTUVWXYZ0123456789: # @ * = " > (< ~ < + | 1 5 7 _ e) * , . / & ; -
ABCDEF GHIJKLMNOPQRSTUVWXYZ0123456789: # @ * = " > (< ~ < + | 1 5 7 _ e) * , . / & ; -
ABCDEF GHIJKLMNOPQRSTUVWXYZ0123456789: # @ * = " > (< ~ < + | 1 5 7 _ e) * , . / & ; -
ABCDEF GHIJKLMNOPQRSTUVWXYZ0123456789: # @ * = " > (< ~ < + | 1 5 7 _ e) * , . / & ; -
ABCDEF GHIJKLMNOPQRSTUVWXYZ0123456789: # @ * = " > (< ~ < + | 1 5 7 _ e) * , . / & ; -
ABCDEF GHIJKLMNOPQRSTUVWXYZ0123456789: # @ * = " > (< ~ < + | 1 5 7 _ e) * , . / & ; -
ABCDEF GHIJKLMNOPQRSTUVWXYZ0123456789: # @ * = " > (< ~ < + | 1 5 7 _ e) * , . / & ; -
ABCDEF GHIJKLMNOPQRSTUVWXYZ0123456789: # @ * = " > (< ~ < + | 1 5 7 _ e) * , . / & ; -
ABCDEF GHIJKLMNOPQRSTUVWXYZ0123456789: # @ * = " > (< ~ < + | 1 5 7 _ e) * , . / & ; -
ABCDEF GHIJKLMNOPQRSTUVWXYZ0123456789: # @ * = " > (< ~ < + | 1 5 7 _ e) * , . / & ; -
ABCDEF GHIJKLMNOPQRSTUVWXYZ0123456789: # @ * = " > (< ~ < + | 1 5 7 _ e) * , . / & ; -

!!ECHO TEST 2
00
AA
BB
CC
DD
EE
FF
GG
HH
II
::

00
<<
||
++

!!ECHO TEST 3
SULR=/&.
SULR=/&.

ITST1
 WECOCO
 ABCDEFGHIJKLMNOPQRSTUVWXYZ 1234567890

!!INSERT INTO REG A ONE OR TWO FAILING CHARACTERS (IN EBCDIC)
 !!!IF NO FAILING CHARACTER(S), INCREMENT THE INSTRUCTION ADDRESS
 ABABCDEFABCOABCEFGHIJABCDEFGHIABCEFGHABCEFGHABCEFGHABCEFGHABCEFGHABCEFGHABCEFGHABCEFGHABCEFGH
 NGOTAUIAN
 !!ECHO TEST

AA
 BB
 CC
 DD
 EE
 FF
 GG
 HH
 II
 JJ
 KK
 LL
 MM
 NN
 OO
 PP
 QQ
 RR
 SS
 TT
 UU
 VV
 WW
 XX
 YY
 ZZ
 00
 11
 22
 33
 44
 55
 66
 77
 88
 99
 ::
 ##
 @@
 ==
 ...
 >>
 ((
 \$\$
 ^^
 ++
 !!
 \$\$
 ??
 ==
 ^^
))
 **

RA
 RB
 RC
 RD
 RE
 RF
 RG
 RH
 RI
 RJ
 RK
 RL
 RM
 RN
 RO
 RP
 RQ
 RR
 RS
 RT
 RU
 RV
 RW
 RX
 RY
 RZ
 R00
 R11
 R22
 R33
 R44
 R55
 R66
 R77
 R88
 R99
 R::
 R##
 R@@
 R==
 R...
 R>>
 R((
 R\$\$
 R^^
 R++
 R!!
 R\$\$
 R??
 R==
 R^^
 R))
 R**

REPEAT STEP # ~~10~~

FUNCTIONAL TEST-LOW LOGIC MARGINS

TST1

!TST1
WECOCO
ABCDEFGHIJKLMN0PQRSTUWXYZ 1234567890

!!INSERT INTO REG A ONE OR TWO FAILING CHARACTERS (IN EBCDIC)
!!IF NO FAILING CHARACTER(S), INCREMENT THE INSTRUCTION ADDRESS
ABABCDEFABCDABCDEFGHIJABCDEFGHIHABCDABABCDEFABABCDEFGHIJKLABCDEFHABABCDEFABCD
NG0TAUDIAN
!IECHO TEST 1

AA
BB
CC
DD
EE
FF
GG
HH
II
JJ
KK
LL
MM
NN

OO
PP
QQ
RR
SS
TT
UU
VV
WW
XX
YY
ZZ
00
11
22
33
44
55
66
77
88
99
::

@@
**
==
>>
((
<<
f

!!
!!
SS
??

--

ABCOEFGHIJKLMNOPQRSTUVWXYZO123456789:#@'=">(<+ | 157_@)*,./&:-
ABCOEFGHIJKLMNOPQRSTUVWXYZO123456789:#@'=">(<+ | 157_@)*,./&:-
ABCOEFGHIJKLMNOPQRSTUVWXYZO123456789:#@'=">(<+ | 157_@)*,./&:-
ABCOEFGHIJKLMNOPQRSTUVWXYZO123456789:#@'=">(<+ | 157_@)*,./&:-
ABCOEFGHIJKLMNOPQRSTUVWXYZO123456789:#@'=">(<+ | 157_@)*,./&:-
ABCOEFGHIJKLMNOPQRSTUVWXYZO123456789:#@'=">(<+ | 157_@)*,./&:-
ABCOEFGHIJKLMNOPQRSTUVWXYZO123456789:#@'=">(<+ | 157_@)*,./&:-
ABCOEFGHIJKLMNOPQRSTUVWXYZO123456789:#@'=">(<+ | 157_@)*,./&:-
ABCOEFGHIJKLMNOPQRSTUVWXYZO123456789:#@'=">(<+ | 157_@)*,./&:-
ABCOEFGHIJKLMNOPQRSTUVWXYZO123456789:#@'=">(<+ | 157_@)*,./&:-

!!ECHO TEST 2
OO
AA
BB
CC
DD
EE
FF
GG
HH
II
::

@@
((
||
++

!!ECHO TEST 3
5ULB=/&.
5ULB=/&.

STEP # 17 FUNCTIONAL TEST-HIGH LOGIC MARGINS

ITST1
WECOCO
ABCOEFGHIJKLMNOPQRSTUVWXYZ 1234567890

!!INSERT INTO REG A ONE OR TWO FAILING CHARACTERS (IN EBCDIC)
!!IF NO FAILING CHARACTER(S), INCREMENT THE INSTRUCTION ADDRESS
ABABCDEFABCDEFABCDEFABCDEFABCDEFABCDEFABCDEFABCDEFABCDEFABCDEF
NGOTAUDIEN
!!ECHO TEST 1

AA
BB
CC

ABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789:;#&'=">(<+|!@_*)^.,/;
!!ECHO TEST 2

00
AA
BB
CC
DD
EE
FF
GG
HH
II
::

@@
((
||
++

!!ECHO TEST 3
SULB=/&.
SULB=/&.

MECH.

STEP # 18 FUNCTIONAL TEST-LOW MARGINS

ITST1
WFCOCQABCDEF GHIJKL MNOPQRSTU VWXYZ 1234567890

!!INSERT INTO REG A ONE OR TWO FAILING CHARACTERS (IN EBCDIC)
!!IF NO FAILING CHARACTER(S), INCREMENT THE INSTRUCTION ADDRESS
ABABCDEFABCDABCDEF GHIJABCDEFGHIABCDABABCDEFABABCDEF GHIJKL'ABCDEFGHIABABCDEFABCD
NGDTAUOIAN
!!ECHO TEST

AA
BB
CC
DD
EE
FF
GG
HH
II
JJ
KK
LL
MM
NN
OO
PP
QQ
RR
SS
TT
UU
VV
WW
XX
YY

11
22
33
44
55
66
77
88
99
::

@@
**
==
...
>>
((
<<
--
||
!!
\$\$
??
--
))
**
//
88
::
--

ABCDEFGHIJKLMN0PQRSTUVWXYZ0123456789: #@'="> (<~<+ | 1?_4)*,./&:-
ABCDEFGHIJKLMN0PQRSTUVWXYZ0123456789: #@'="> (<~<+ | 1?_4)*,./&:-
ABCDEFGHIJKLMN0PQRSTUVWXYZ0123456789: #@'="> (<~<+ | 1?_4)*,./&:-
ABCDEFGHIJKLMN0PQRSTUVWXYZ0123456789: #@'="> (<~<+ | 1?_4)*,./&:-
ABCDEFGHIJKLMN0PQRSTUVWXYZ0123456789: #@'="> (<~<+ | 1?_4)*,./&:-
ABCDEFGHIJKLMN0PQRSTUVWXYZ0123456789: #@'="> (<~<+ | 1?_4)*,./&:-
ABCDEFGHIJKLMN0PQRSTUVWXYZ0123456789: #@'="> (<~<+ | 1?_4)*,./&:-
ABCDEFGHIJKLMN0PQRSTUVWXYZ0123456789: #@'="> (<~<+ | 1?_4)*,./&:-
ABCDEFGHIJKLMN0PQRSTUVWXYZ0123456789: #@'="> (<~<+ | 1?_4)*,./&:-
ABCDEFGHIJKLMN0PQRSTUVWXYZ0123456789: #@'="> (<~<+ | 1?_4)*,./&:-

!!ECHO TEST 2
00
AA
BB
CC
DD
EE
FF
GG
HH
II
::

@@
((
||
++
!!ECHO TEST 3

STEP # 19

FUNCTIONAL TEST-HIGH MECHANICAL MARGINS

ITST1
WE000
ABCDEFGHIJKLMN0PQRSTUvwxyz 1234567890

!!INSERT INTO REG A ONE OR TWO FAILING CHARACTERS (IN EBCDIC)
!!IF NO FAILING CHARACTER(S), INCREMENT THE INSTRUCTION ADDRESS
ABABCDEFABCOABCDEFGHIJABCDEFGHIHABCDABABCDEFABABCDEFGHIJKLABCDEFGHABABCDEFABCD
NG0TAUGIAN
!!ECHO TEST 1

AA
BB
CC
DD
EE
FF
GG
HH
II
JJ
KK
LL
MM
NN
OO
PP
QQ
RR
SS
TT
UU
VV
WW
XX
YY
ZZ
00
11
22
33
44
55
66
77
88
99
::

@@
**
==
==
>>
((
%%
-
^^
++

SXSXSXSXSXSXSXSXS GCGCGCGCGCGCGCGCG C TC TC TC TC TC TC TC ARARARARARARARARAP
: : : : B B B B : : : : W W W W
: : : : B B B B : : : : W W W W
: : : : B B B B : : : : W W W W
: : : : B B B B : : : : W W W W
: : : : S S S S : : : : F F F F
: : : : S S S S : : : : F F F F
: : : : S S S S : : : : F F F F

STEP # 22 TAB TEST-LOW MECHANICAL MARGIN

ITST1,8,8
IIECHO TEST 1
A
IIERR NO. 0305 LOC. 089A

ITST1,8,8
IIECHO TEST 1

ITST1,8,8+
IIECHO TEST 1

ITST1,8,8
IIECHO TEST 1
IIERR NO. 0802 LOC. 0879

ITST1,8,8+
IIECHO TEST 1
A=IIERR NO. 0802 LOC. 0879

IIDIRECTIVE INVALID
I

LOST PROGRAM, RELOADED

RESTART STEP # 22

TAB TEST-LOW MECHANICAL MARGINS

ITST1,8,8+

ITST1,8,8+
IECHO TEST 1

AA

ITST1,8,8/
IECHO TEST 1

AA

BB

CC

DD

EE

FF

GG

HH

II

JJ

KK

LL

MM

NN

OO

PP

QQ

RR

SS

TT

UU

0		Q	R	S			
A	B	C	D	E			G
H	I	J	K	L		M	N
O	P	Q	R	S		T	U
A	B	C	D	E			G
H	I	J	K	L		F	N
O	P	Q	R	S		V	U
A	B	C	D	E			G
H	I	J	K	L		F	N
O	P	Q	R	S		V	U
A	B	C	D	E			G
H	I	J	K	L		F	N
O	P	Q	R	S		V	U
A	B	C	D	E			G
H	I	J	K	L		F	N
O	P	Q	R	S		V	U
A	B	C	D	E			G
H	I	J	K	L		F	N
O	P	Q	R	S		V	U
A	B	C	D	E			G
H	I	J	K	L		F	N
O	P	Q	R	S		V	U
A	B	C	D	E			G
H	I	J	K	L		F	N
O	P	Q	R	S		V	U
A	B	C	D	E			G
H	I	J	K	L		F	N
O	P	Q	R	S		V	U
A	B	C	D	E			G
H	I	J	K	L		F	N
O	P	Q	R	S		V	U

STEP # 23 TAB TEST-HIGH MECHANICAL MARGINS

ITST1,8,8
ECHO TEST

- AA
- BB
- CC
- DD
- EE
- FF

HH
II
JJ
KK
LL
MM
NN
PP
QQ
RR
SS
TT
UU

A H O A H O A H
B I P B I P B I
C J O C J O C J
D K
E L B E L B E L
F M T F M
N

RESTART STEP # 23

TAB TEST-HIGH MECHANICAL MARGINS

ITST1,8,8
IIECHO TEST 1

AA
BB
CC
DD
EE

TELETYPE



machines that make data move

PK 21181



OPEN THIS END →

COPY AS TYPED ON THIS UNIT AT THE FACTORY.

THE 1 QUICK 2 BROWN 3 FOX 4 JUMPED 5 OVER 6 THE 7 LAZY 8 DOG'S 9 BACK 0
THE 1 QUICK 2 BROWN 3 FOX 4 JUMPED 5 OVER 6 THE 7 LAZY 8 DOG'S 9 BACK 0
THE 1 QUICK 2 BROWN 3 FOX 4 JUMPED 5 OVER 6 THE 7 LAZY 8 DOG'S 9 BACK 0
THE 1 QUICK 2 BROWN 3 FOX 4 JUMPED 5 OVER 6 THE 7 LAZY 8 DOG'S 9 BACK 0