

CENTER = 040000 G	ORBIT = 000400 G	PC = %000007
RESET 000000RG	RES01 000166RG	RES02 000170R
RES03 000172R	RES04 000174R	RES05 000176R
RES06 000200R	RES07 000202R	RES08 000204R
R0 = %000000	R1 = %000001	R2 = %000002
R3 = %000003	R4 = %000004	R5 = %000005
R6 = %000006	R7 = %000007	SP = %000006
YSIZE1 = ***** G	= 000206R	

END ?

SUBROUTINE RESET

VERSION 4B

000000 R0=%0
000001 R1=%1
000002 R2=%2
000003 R3=%3
000004 R4=%4
000005 R5=%5
000006 R6=%6
000007 R7=%7
000006 SP=R6
000007 PC=R7

RESETS RKTS FOR RESTART OF PROGRAM

000400 ORBIT=400
040000 CENTER=16384

. TITLE RESET
. GLOBL RESET, YSIZE1, ORBIT, CENTER, RES01

. CSECT

000000 012702' RESET: MOV #YSIZE1, R2 ; SET UP PTR
000000

*****RESET AND REPOSITION ROCKET ONE*****

000004 005022 CLR (R2)+ ; CLR YSIZE1
000006 005022 CLR (R2)+ ; CLR FLAG1
000010 005022 CLR (R2)+ ; CLR XVELL1
000012 016722 MOV RES05, (R2)+ ; ORBIT VELOCITY IN YVELH1
000160
000016 016722 MOV RES01, (R2)+ ; ORBIT POSITION IN YDISP1
000144
000022 005022 CLR (R2)+ ; CLR XSIZE1
000024 005022 CLR (R2)+ ; CLR XVELL1
000026 016722 MOV RES06, (R2)+ ; ORBIT VELOCITY IN XVELH1
000146
000032 016722 MOV RES02, (R2)+ ; ORBIT POSITION IN XDISP
000132
000036 005022 CLR (R2)+ ; CLR ANGL1
000040 005022 CLR (R2)+ ; CLR ANGH1

*****RESET AND REPOSITION ROCKET TWO*****

000042 005022 CLR (R2)+ ; CLR YSIZE2
000044 005022 CLR (R2)+ ; CLR FLAG2
000046 005022 CLR (R2)+ ; CLR YVELL2
000050 016722 MOV RES07, (R2)+ ; ORBIT VELOCITY IN YVELH2
000126
000054 016722 MOV RES03, (R2)+ ; ORBIT POSITION IN YDISP2
000112
000060 005022 CLR (R2)+ ; CLR XSIZE2
000062 005022 CLR (R2)+ ; CLR XVELL2
000064 016722 MOV RES08, (R2)+ ; ORBIT VELOCITY IN XVELH2
000114
000070 016722 MOV RES04, (R2)+ ; ORBIT POSITION IN XDISP2
000100
000074 005022 CLR (R2)+ ; CLR ANGL2

000076 005012

CLR

(R2)

; CLR ANGH2

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; *****ROTATE POSITION AND VELOCITY DATA*****

000100 016746 MOV RES01, -(SP) ; SAVE FIRST NUMBER

000062

000104 016767 MOV RES02, RES01

000060

000054

000112 016767 MOV RES03, RES02

000054

000050

000120 016767 MOV RES04, RES03 ; ROTATE UP WORDS

000050

000044

000126 012667 MOV (SP)+, RES04 ; PUT SAVED VALUE IN LAST WORD

000042

000132 016746 MOV RES08, -(SP) ; SAVE FIRST VELOCITY

000046

000136 016767 MOV RES07, RES08

000040

000040

000144 016767 MOV RES06, RES07

000030

000030

000152 016767 MOV RES05, RES06 ; ROTATE DOWN 4 WORDS

000020

000020

000160 012667 MOV (SP)+, RES05 ; PUT SAVE VALUE IN FIRST WORD

000012

000164 000207 RTS PC ; ALL DONE-----!!!

000166 040000 RES01: .WORD CENTER

000170 040000 RES02: .WORD CENTER

000172 140000 RES03: .WORD -CENTER

000174 140000 RES04: .WORD -CENTER

000176 000000 RES05: .WORD 0

000200 000000 RES06: .WORD 0

000202 000000 RES07: .WORD 0

000204 000000 RES08: .WORD 0

000001 .END

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000000 ERRORS

PAL-115 V003A

*S H

*B H

*L T

*T T