

①

0000  
1 0001  
2 0002  
3 0003  
4 0004  
5 0005  
6 0006  
7 0007  
8 0008  
9 0009  
10 000A  
11 000B  
12 000C  
13 000D  
14 000E  
15 000F  
16 0010  
17 0011  
18 0012  
19 0013  
20 0014  
21 0015  
22 0016  
23 0017  
24 0018  
25 0019  
26 001A  
27 001B  
28 001C  
29 001D  
30 001E  
31 001F  
32 0020  
33 0021  
34 0022  
35 0023  
36 0024  
37 0025  
38 0026  
39 0027

4C jump ID0 INITIALIZE  
D8 page 12 06  
02  
EA  
4C jump 1/4 foot  
68  
09  
EA  
4C jump foot page 9  
5A 06  
02  
EA  
4C jump Reset IP3  
4A B4 .11 sec  
02 09  
EA  
4C jump ID4  
04 CLOCK  
02  
EA  
4C jump 06  
71 Reset Printer 40  
03  
EA  
4C jump  
99 A8 Reset IDC  
03 0A  
EA  
4C jump  
C7 Reset ID1  
02 06  
10 \* Start print routine storage  
1000' DISTANCE  
100' AT 80 MPH  
10'  
1'  
OF = - 0E  
1000' DISTANCE  
100' AT 0 MPH  
10'

2

40 00 28  
 41 00 29  
 42 00 2A  
 43 00 2B  
 44 00 2C  
 45 00 2D  
 46 00 2E  
 47 00 2F  
 48 00 30  
 49 00 31  
 50 00 32  
 51 00 33  
 52 00 34  
 53 00 35  
 54 00 36  
 55 00 37  
 56 00 38  
 57 00 39  
 58 00 3A  
 59 00 3B  
 60 00 3C  
 61 00 3D  
 62 00 3E  
 63 00 3F  
 64 00 40  
 65 00 41  
 66 00 42  
 67 00 43  
 68 00 44  
 69 00 45  
 70 00 46  
 71 00 47  
 72 00 48  
 73 00 49  
 74 00 4A  
 75 00 4B  
 76 00 4C  
 77 00 4D  
 78 00 4E  
 79 00 4F

☐ 1" 06  
 OE = + OF  
☐ 10 ★  
☐ 100" seconds AT  
☐ 10" 80 MPH  
☐ 1"  
 OA • decimal point  
☐ .1 seconds  
 OE = +

☐ 100 seconds AT 06  
☐ 10 0 MPH  
☐ 1  
 OA • decimal point  
☐ .1 seconds  
 OF = -  
☐ 11 ★  
☐ 10 ★  
 08 8  
 00 0

OE = + 06  
☐ 10 ★  
☐ 10 ★  
☐ 1000' DISTANCE  
☐ 100' AT 60  
☐ 10'  
☐ 1"  
 OE = +  
☐ 1000' DISTANCE  
☐ 100' AT 0 MPH  
☐ 10'  
☐ 1"  
 OF = -  
☐ 11 ★  
☐ 10 ★  
☐ 100' seconds AT 60  
☐ 10' seconds MPH  
☐ 1"  
 OA • decimal  
☐ .1 seconds

3

80 0050  
81 0051  
82 0052  
83 0053  
84 0054  
85 0055  
86 0056  
87 0057  
88 0058  
89 0059  
90 005A  
91 005B  
92 005C  
93 005D  
94 005E  
95 005F  
96 0060  
97 0061  
98 0062  
99 0063  
100 0064  
101 0065  
102 0066  
103 0067  
104 0068  
105 0069  
106 006A  
107 006B  
108 006C  
109 006D  
110 006E  
111 006F  
112 0070  
113 0071  
114 0072  
115 0073  
116 0074  
117 0075  
118 0076  
119 0077

OE = +

06

☐  
☐  
☐

100 seconds  
10 OMPH

0A

☐

decimal  
.1 seconds

OF = -

10 ☒  
10 ☒  
06 6

00 0

06

OE = +

10 ☒  
10 ☒

⑤

161 00 A0  
 162 00 A1  
 163 00 A2  
 164 00 A3  
 165 00 A4  
 166 00 A5  
 167 00 A6  
 168 00 A7  
 169 00 A8  
 170 00 A9  
 00 AA  
 00 AB  
 00 AC  
 00 AD  
 00 AE  
 00 AF  
 00 B0  
 00 B1  
 00 B2  
 00 B3  
 00 B4  
 00 B5  
 00 B6  
 00 B7  
 00 B8  
 00 B9  
 00 BA  
 00 BB  
 00 BC  
 00 BD  
 00 BE  
 00 BF  
 00 C0  
 00 C1  
 00 C2  
 00 C3  
 00 C4  
 00 C5  
 00 C6  
 00 C7



1000 feet counter  
 100 feet counter  
 Ten feet counter  
 feet counter  
 100 second counter  
 Ten sec. counter  
 seconds counter  
 → tenths second counter

00C8  
00C9  
00CA  
00CB  
00CC  
00CD  
00CE  
00CF  
00D0  
00D1  
00D2  
00D3  
00D4  
00D5  
00D6  
00D7  
00D8  
00D9  
00DA  
00DB  
00DC  
00DD  
00DE  
00DF  
00E0  
00E1  
00E2  
00E3  
00E4  
00E5  
00E6  
00E7  
00E8  
00E9  
00EA  
00EB  
00EC  
00ED  
00EE  
00EF

100 MPH counter  
 — ton MPH  
 MPH  
 MPH  
 MPH  
 1000 pedal force  
 100 lbs pedal force  
 ton lbs pedal force  
 lbs pedal force  
 Dinet counter

Compare value for Diet.

78  
A0  
02  
17  
0A  
0A  
85  
E5  
4C  
☐  
00

UPON  
ANY  
INT.

# STATUS REGISTER

DO NOT USE

⑦

↑  
do not use  
↓

00 F0  
00 F1  
00 F2  
00 F3  
00 F4  
00 F5  
00 F6  
00 F7  
00 F8  
00 F9  
00 FA  
00 FB  
00 FC  
00 FD  
00 FE  
00 FF  
02 00  
02 01  
02 02  
02 03  
02 04  
02 05  
02 06  
02 07  
02 08  
02 09  
02 0A  
02 0B  
02 0C  
02 0D  
02 0E  
02 0F  
02 10  
02 11  
02 12  
02 13  
02 14  
02 15  
02 16  
02 17

STACK IN  
PAGE 1

— program counter 1479h  
status Register  
stack Pointer  
accumulator  
Y Register  
X Register

4C jump to 1/ sec  
00 print compare CLOCK  
08 ROUTINE  
EA  
49 EOR not used  
0A  
F0 Branch  
37 03 }  
4C } jump to Page 36  
B8 }  

---

02  
A9 ← load  
00  
85 store  
C7  
E6  
C6  
A5  
C6  
49

|      |    |                   |
|------|----|-------------------|
| 0218 | 0A | Branch            |
| 0219 | F0 |                   |
| 021A | 03 | ] jump to page 36 |
| 021B | 4C |                   |
| 021C | B8 |                   |
| 021D | 02 |                   |
| 021E | A9 | ← load            |
| 021F | 00 |                   |
| 0220 | 85 | store             |
| 0221 | C6 |                   |
| 0222 | E6 | increment         |
| 0223 | C5 |                   |
| 0224 | A5 | load              |
| 0225 | C5 |                   |
| 0226 | 49 | eor               |
| 0227 | 0A |                   |
| 0228 | F0 | Branch            |
| 0229 | 03 | ] jump to page 36 |
| 022A | 4C |                   |
| 022B | B8 |                   |
| 022C | 02 |                   |
| 022D | A9 | ← load            |
| 022E | 00 |                   |
| 022F | 85 | store             |
| 0230 | C5 |                   |
| 0231 | E6 | increment         |
| 0232 | C4 |                   |
| 0233 | A5 | load              |
| 0234 | C4 |                   |
| 0235 | 49 | eor               |
| 0236 | 0A |                   |
| 0237 | F0 | Branch            |
| 0238 | 03 | ] jump page 36    |
| 0239 | 4C |                   |
| 023A | B8 |                   |
| 023B | 02 |                   |
| 023C | A9 | ← load            |
| 023D | 00 |                   |
| 023E | 85 | store             |
| 023F | C4 |                   |

9

02 40  
02 41  
02 42  
02 43  
02 44  
02 45  
02 46  
02 47  
02 48  
02 49  
02 4A  
02 4B  
02 4C  
02 4D  
02 4E  
02 4F  
02 50  
02 51  
02 52  
02 53  
02 54  
02 55  
02 56  
02 57  
02 58  
02 59  
02 5A  
02 5B  
02 5C  
02 5D  
02 5E  
02 5F  
02 60  
02 61  
02 62  
02 63  
02 64  
02 65  
02 66  
02 67

4C  
B8  
02  
4C  
40  
03

jump to page 41



A9  
19  
8D  
02  
17  
A9  
00  
8D  
02  
17

load

RESET  
I 03

store

reset port

load

store

reset port

4C  
AD  
03

✓ E6  
✓ C3  
✓ A5  
✓ C3

increment

FOOT

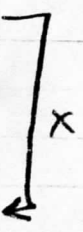
18  
C9  
0A  
B0  
03  
4C  
80  
03  
A9  
00

clear C  
compare

Branch on C = 1

jump reset foot

it is ten feet



10

02 68  
02 69  
02 6A  
02 6B  
02 6C  
02 6D  
02 6E  
02 6F  
02 70  
02 71  
02 72 →  
02 73  
02 74 →  
02 75  
02 76  
02 77  
02 78  
02 79  
02 7A  
02 7B  
02 7C  
02 7D  
02 7E  
02 7F  
02 80  
02 81  
02 82  
02 83  
02 84  
02 85  
02 86  
02 87  
02 88  
02 89  
02 8A  
02 8B  
02 8C  
02 8D  
02 8E  
02 8F

85  
C3  
E6  
C2  
E6  
D5  
A5  
D5  
18  
C9  
(0A)  
B0  
37  
A5  
C2  
18  
C9  
0A  
B0  
03  
4C  
80 x  
03  
A9 ←  
00  
85  
C2  
E6  
C1  
A5  
C1  
18  
C9  
0A  
B0  
03  
4C  
80 x  
03  
A9

Compare

10

Jump to  
reset foot

Jump reset  
foot