

TimeMaster



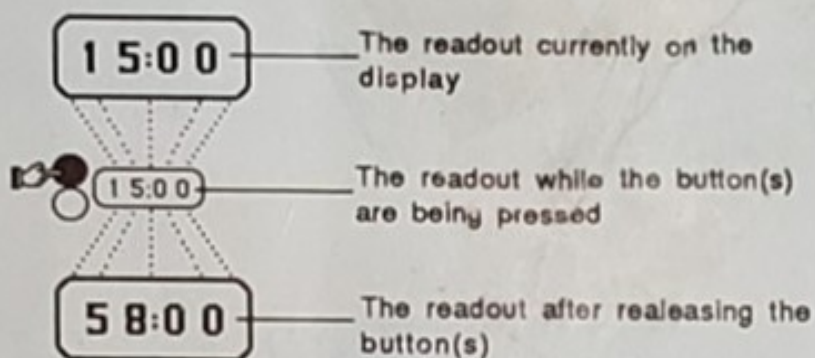
Rider's Manual

ENDURO PRODUCTS

Illustrations

Before we install the batteries, let's take a look at the illustrations used throughout this manual

Readouts



Switching

This graphic represents
BUMPING a button
(Press, then release)

Bump top button

Bump bottom button

The black graphic represents
HOLDING a button

Hold top button

Hold both buttons
simultaneously

Battery Installation

ALWAYS "RESET" YOUR ICO INSTRUMENT AFTER INSTALLING THE BATTERIES.

Please DO NOT press either of the two buttons until you have read the OPERATING INSTRUCTIONS. If you become lost during the instructions, reset the unit and then restart at the beginning.

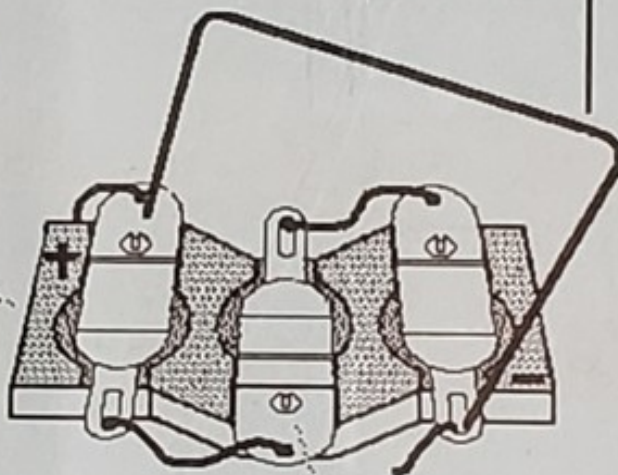
RESET INSTRUCTIONS:
Briefly short battery holder as shown using a paper clip or a short piece of wire.

**#357 Silver Oxide 1.5 Volts
Watch/Calculator Batteries**



Stepped side of all 3
batteries **MUST** face down.

IMPORTANT: Apply a light coat of VASELINE® on each battery before installation. This will prevent corrosion.



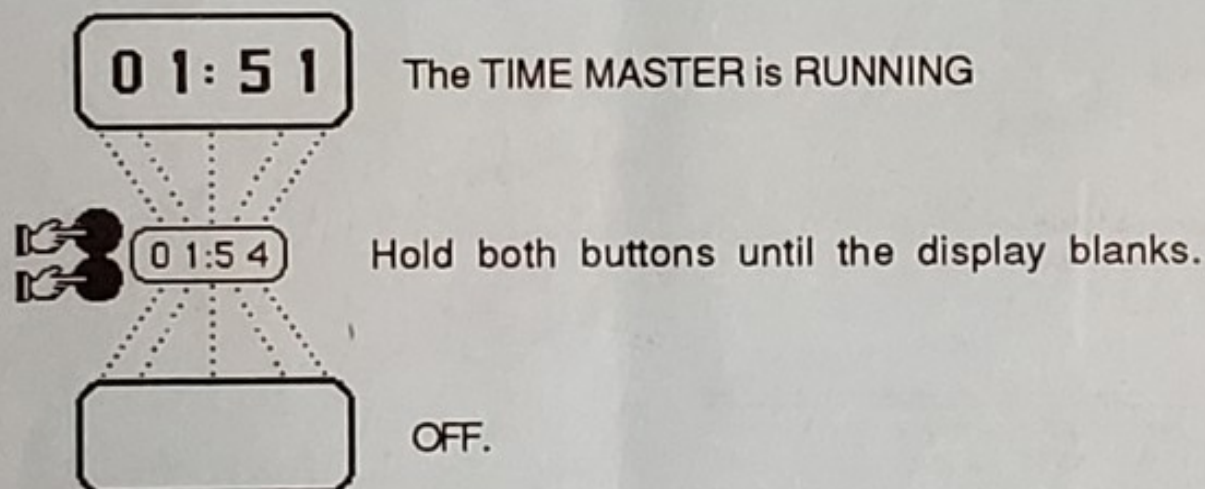
Loosen screws approx. 5 turns
to allow battery installation.

Notes:

- There is no need to remove the batteries while your Odo is not in use.
- Replace batteries when the digits of the display become too light to read.
- Other acceptable battery sizes are #42 and #76.
- The notch in the bottom half of the case is a size reference - if the battery fits snug, it's OK.
- Department Stores, Hardware Stores, Drug Stores, Radio Shack, etc, all carry these batteries.
- If a battery has become bulged, it is no longer good and must be replaced.

Stop

Any time the unit is RUNNING or is at READY, you STOP it by HOLDING both buttons until the display blanks.



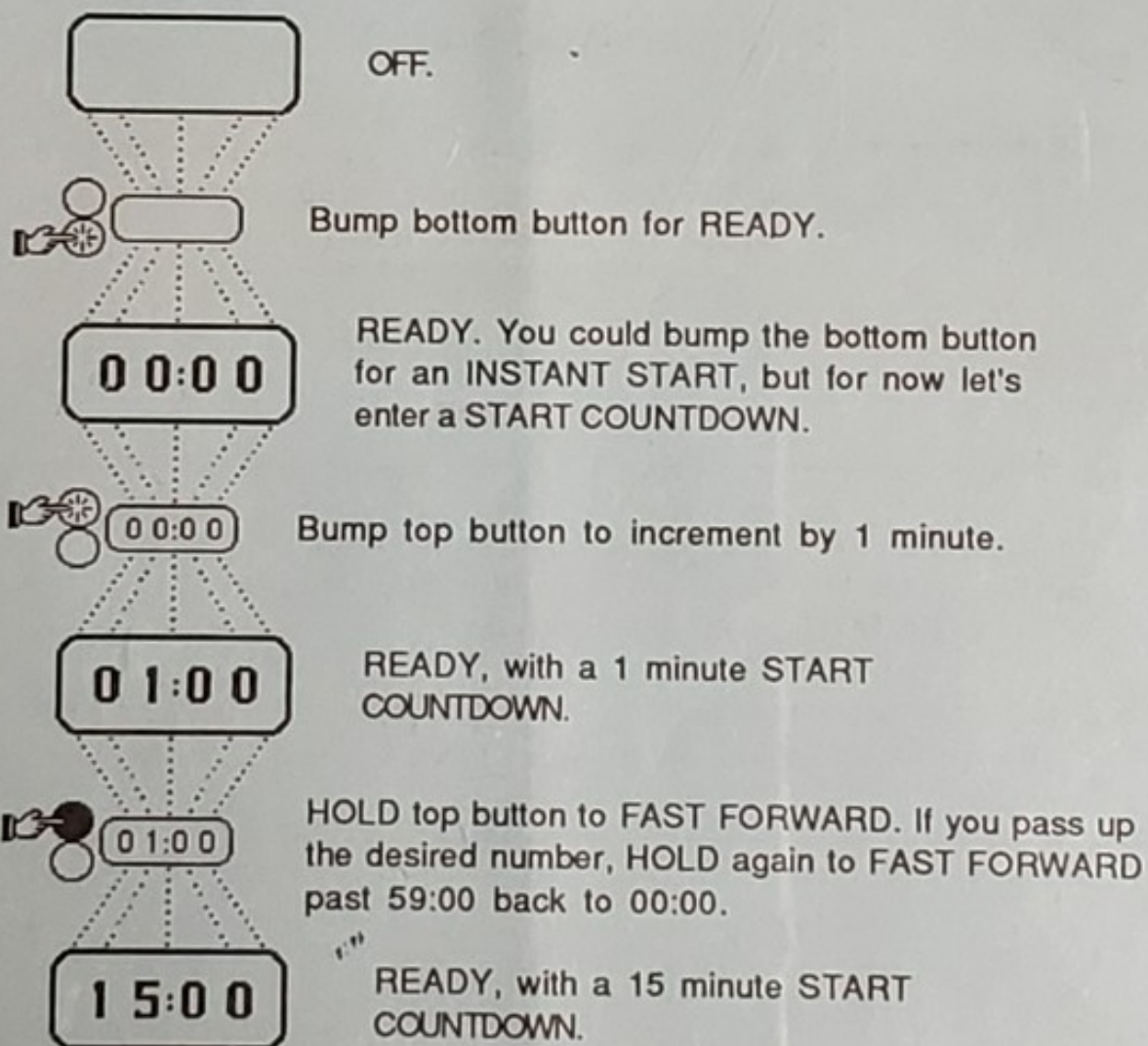
While the unit is OFF, there is very little drain on the batteries. They may remain installed between races.

The majority of drain occurs while in RUN or at READY.

Ready

First let's go to READY. At this point you can INSTANT START, or enter a START COUNTDOWN.

A START COUNTDOWN allows you to start the TIME MASTER before your row is due to leave. It will COUNTDOWN until zero, then automatically begin to RUN.

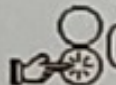


Run

To START, just bump the bottom button.

1 5:00

READY, with a 15 minute START
COUNTDOWN



1 5:00

Bump bottom button to START.

1 4:59

A 15 minute COUNTDOWN has begun. The readout will FLASH while counting down, then turn STEADY once 00:00 is reached.

If you entered a START COUNTDOWN and forgot to START at the proper time, simply STOP, go to READY, then INSTANT START when your row leaves.

NOTE: A safety feature is that bumping or holding either of the 2 buttons has NO effect on operation while the unit is RUNNING.

Installation

The 2 studs have to be pressed into the case bottom. A light tap with a hammer should be sufficient.

CAUTION: Be sure to use a close fitting back-up.

10-32 Stud



Aluminum Flat Washer



Please see the back of the Pro/Time Master Mounting Kit Card for new stud installation instructions.

CAUTION: After installation on the handlebars, check that the brake line does not snag the TIME MASTER when the forks are fully extended.



-IGNITION INTERFERENCE-

Electrical interference from your motorcycle's high energy ignition system can sometimes be a problem for low voltage enduro instruments.

Fortunately, ignition noise cannot do any permanent damage, but it can cause the display to freeze up, blank out suddenly, or show only parts of the digits, and no amount of button pushing will bring it back to normal. Note that even though the display is blank, **the unit may still be running internally** and can run down the batteries if left in this state for several days.

To recover from Ignition Interference "lock up", simply RESET the unit as shown in the BATTERY INSTALLATION page.

PREVENTION: Keep throttle & clutch cables and kill switch wire away from the instrument as much as possible. **Take special care not to route these cables above the display window.** It is advised that you remove the gas tank and make sure that throttle and clutch cables are not routed directly against the spark plug wire or coil.

ICO Enduro Instruments - RIDER TROUBLESHOOTING

TEST STEP	RESULT	ACTION TO TAKE
1 - POWER AVAILABLE CHECK <ul style="list-style-type: none">● Remove case back● View battery holder with two battery clip screws up, one screw down.● Use voltmeter to check voltage from lower right (terminal) to upper left (clip).	4.2 to 4.8 volts Low or 0 volts	Go to STEP #5 RESET PROCEDURE Go to next step
2 - BATTERY CHECK <ul style="list-style-type: none">● Remove batteries and check individually with voltmeter.	1.4 to 1.6 volts Low or 0 volts	Go to next step Replace all 3 batteries Go to next step
3 - BATTERY CONTACT CHECK <ul style="list-style-type: none">● Check for dirty or corroded battery contacts; clean as needed with eraser. <p>PREVENTION: Coat batteries with Vaseline at installation</p>		Go to next step
4 - BATTERY CLIP TENSION CHECK <ul style="list-style-type: none">● With batteries removed, tighten battery clip screws.● Bend clips toward holder to increase holding tension.● Loosen screws (5 turns) and install batteries.● Repeat STEP #1 (POWER AVAILABLE CHECK)	4.2 to 4.8 volts Low or 0 volts	Go to next step Return unit to ICO for repair
5 - MICRO RESET PROCEDURE <ul style="list-style-type: none">● View battery holder with two battery clip screws up, one screw down.● With batteries installed, use a short piece of wire or a bent paper clip to briefly short the lower right (terminal) to upper left (clip).	Display on Display still blank	Unit is O.K. Return unit to ICO for repair

IF NO VOLTMETER IS AVAILABLE:

1. First try RESET PROCEDURE (STEP #5)
2. Check battery contacts and clip tension (STEPS 3 & 4); reinstall batteries; try RESET PROCEDURE again.
3. Replace batteries; try RESET PROCEDURE again.
4. Return unit to ICO for repair

If your ICO instrument passes these tests and still quits while riding, the problem may be due to interference from the ignition system. Check for the following and correct as needed:

1. Throttle cable routed too close to instrument.
2. Throttle cable routed too close to coil or sparkplug wire.
3. Plug wire rubbing frame.

Limited Warranty

ICO CORPORATION warrants to the original owner that this ICO TIME MASTER is free of defects in materials or workmanship for a period of 1 year from the date of purchase. This warranty does not cover damage resulting from improper installation, accident, misuse, or abuse.

In case of difficulties

Many problems can be resolved WITHOUT returning the instrument to us. Please follow these steps to assure the fastest possible solution to your difficulties.

- 1st, refer to the TROUBLESHOOTING section of this manual
- If the problem cannot be identified using the manual, Technical Assistance is provided at the following number:

Technical Assistance ~~(504) 882-3107~~

Repair info

For assistance or repairs please contact ICO Racing at:

503 578 2214

customerservice@icoracing.com

<https://www.icoracing.com>

Time and Distance between Possible Check Locations

MPH MILES MINUTES

1	.1	6
2	.1	3
3	.1	2
4	.2	3
5	.5	6
6	.1	1
7	.7	6
8	.4	3
9	.3	2
10	.5	3
11	1.1	6
12	.2	1
13	1.3	6
14	.7	3
15	.5	2
16	.8	3
17	1.7	6
18	.3	1
19	1.9	6
20	1.0	3
21	.7	2
22	1.1	3
23	2.3	6
24	.4	1
25	2.5	6
26	1.3	3
27	.9	2
28	1.4	3
29	2.9	6
30	.5	1
31	3.1	6
32	1.6	3
33	1.1	2
34	1.7	3
35	3.5	6
36	.6	1
37	3.7	6
38	1.9	3
39	1.3	2
40	2.0	3
41	4.1	6
42	.7	1
43	4.3	6
44	2.2	3
45	1.5	2
46	2.3	3
47	4.7	6
48	.8	1
49	4.9	6
50	2.5	3

MPH MILES MINUTES

51	1.7	2
52	2.6	3
53	5.3	6
54	.9	1
55	5.5	6
56	2.8	3
57	1.9	2
58	2.9	3
59	5.9	6
60	1.0	1
61	6.1	6
62	3.1	3
63	2.1	2
64	3.2	3
65	6.5	6
66	1.1	1
67	6.7	6
68	3.4	3
69	2.3	2
70	3.5	3
71	7.1	6
72	1.2	1
73	7.3	6
74	3.7	3
75	2.5	2
76	3.8	3
77	7.7	6
78	1.3	1
79	7.9	6
80	4.0	3
81	2.7	2
82	4.1	3
83	8.3	6
84	1.4	1
85	8.5	6
86	4.3	3
87	2.9	2
88	4.4	3
89	8.9	6
90	1.5	1
91	9.1	6
92	4.6	3
93	3.1	2
94	4.7	3
95	9.5	6
96	1.6	1
97	9.7	6
98	4.9	3
99	3.3	2
100	5.0	3

**Have a safe and
enjoyable season!**