With Four Memory Blocks of 40 Seconds Each, “ARMS”
For Drag Race use

BEFORE THE RACE
1. Press •RECORD.
2. Use bypass toggle switch for burnout.
3. Release line-lock or trans-brake (see note on tach).
4. Press •STOP when run is over.

AFTER THE RACE
1. Press •PLAYBACK.
2. Press •START.
3. Press •STOP when run is over.
*Note:* To use the Playback Box with the tachometer, plug the Playback Box wire harness into the Vehicle Tach wire harness connector. To use the tachometer without the Playback Box, disconnect the Playback Box and plug the Bypass Connector into the Vehicle Tach wire harness connector (Weather Pack connector).

*Note:* This playback recorder operates on standard, factory electronic and high performance electronic racing ignitions, such as Crane and MSD. (This tach is NOT recommended for use on Accel BEI or Laser I & II ignitions. These ignitions require model 5215 adapter.)

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**Note A:** To allow proper data collection "Shut-Down", it is best to maintain 12V power to the Playback Box for 5 to 10 seconds after recording is stopped. To do this the red wire can be connected thru a separate toggle switch directly to +12V instead of to the ignition switch.

**Note B:** No 12V or Dry Cell Battery power is needed to maintain Memory. Data in Memory will remain accurate over any amount of time until it is recorded over.
On the Control Module:
• = A single push of the button. e.g. •START
/= Button is held until digital display changes to desired function.
e.g. /SHIFT SET
Time out = The playback recorder will automatically return from function or setup to TACH mode in 15 to 20 seconds if you do nothing. Record and playback are the only functions this will not work in.

“ARMS”
"ARMS" - Automatic Record Memory Start
The blue lead on your tach is provided to allow you to initiate the recording at the moment you launch. This results in a recording that starts with the release of any external switch, such as a clutch linkage switch, trans-brake, line-lock, etc. For wiring instructions see page 2 and 3. (See your sanctioning body rulebook for specific rules when wiring to the line-lock or trans-brake.)

PLAYBACK RECORDER SETUP
IMPORTANT
After installation, the recorder should be checked for the proper cylinder setting. It is adjustable for 4, 6 and 8 cylinder engines. For other applications, contact Auto Meter for information. The recorder is factory preset for 8 cylinders. To check or change the cylinder selection:

1. First, make sure the display is showing TACH. If not, wait 15 - 20 seconds for the recorder to time out and show TACH or turn the power off and then back on.
2. Press and hold the •START button until the display reads “1=1” or “1=2”. Release the •START button. (“1=2” is half speed).
3. Press and hold the •RECORD button until display reads xCYL, where x indicates the number of cylinders selected. For example: 8CYL
4. Press the UP or DOWN arrow button to select the proper number of cylinders. Select 4, 6 or 8.
5. When the proper cylinder setting is displayed, press the •RECORD button to select this setting. If •RECORD is not pressed, the recorder will time out and automatically select the displayed setting.

RECORD & PLAYBACK OPERATION

Record & Playback Features
The Playback Box recorder allows you to record and playback race performance by recalling actual tachometer readings along with elapsed recording time. Four recordings of up to 40 seconds each can be made in the Playback Box Recorder’s Memory. The recording is saved, even when the power is turned off, until overwritten by a new one. The Playback Box LED display will not show elapsed time during recording; time is only displayed during half-speed or full-speed playback. Timing is shown in [Seconds].[Hundredths of a second] For example: 25.63 is equal to 25 and 63 hundredths seconds.

Recording
1. In the Pit:
   A. First make sure the display is showing "TACH". If not, wait for the recorder to time out.
   B. If you want to change from the currently selected Memory channel, select which of the four Memory blocks you would like to use. See the section on SELECTING THE RUN NUMBER (page 7).
2. As you start engine to move up to burnout box:
   A. Press the •RECORD button. The display will show "REC" followed by the Memory channel number (run number). For example: "REC2"
   B. Set bypass toggle switch for "Burnout" or "Pre-staging."
   C. After burnout or pre-staging, set bypass toggle switch to "Race".
3. When Staged:
   A. Activate the trans-brake or line-lock solenoid. While the solenoid is energized or the clutch or brake pedal is pressed, the recorder
display will show "LNCH", indicating launch status. After the line-lock button is released, recording will start automatically and the display will read "RECD".

B. To stop the recording, press the •STOP button, or allow the recorder to record until the selected Memory channel is full (about 40 seconds). At the end of recording, the recorder returns to TACH mode.

**Warning:** Do not turn the power off while the Playback Box is recording because this may disrupt the recording. When recording, be sure to press the •STOP button before turning the power off.

**Note:** You will not be able to store more than one recording at a time in each of the four Memory blocks (4 recording runs total). Once a new recording is started, the old recording is erased in that Memory channel only.

### Playback

1. First make sure the display is showing TACH. If not, wait for the Recorder to time out.

2. If you want to change the currently selected Memory channel, select which of the four Memory blocks you would like to play back. See the section on **SELECTING THE RUN NUMBER** (page 7).

3. Select playback speed by pressing and holding /PLAY SPEED until the display changes to 1=1 or 1=2. Use the UP or DOWN arrow to change the display between full speed (1=1) and half-speed (1=2).

**Note:** The playback speed setting is retained until reset or the power is removed. The setting will then return to the default setting of 1=1.

4. Press the •PLAYBACK button to enter playback mode. The display will show "PLA" followed by the Memory channel number. For example: PLA2

5. Press the •START button to start the playback.
   A. During playback, press the •STOP button once to pause playback.
   B. When paused, press the •START button to continue playback, or press the •STOP • TACH button to quit playback and go back to TACH mode.
   C. When paused, you can also reset to the beginning of the recording by pressing the •RESET PLAYBACK button. Press •START to begin the playback again.

6. When playback reaches the end of the run, the Recorder will stop. The display will show the total elapsed time, and the tach pointer will indicate the engine RPM at that point. Press •STOP to return to TACH mode.

### Selecting the Run Number

1. First make sure the display is showing TACH. If not, wait for the Recorder to time out.

2. Press and hold /RUN SELECT until the display changes to "RUN" followed by a number, such as "RUN2." The number can be 1, 2, 3 or 4.

3. Use the UP or DOWN arrow to cycle through the four Memory blocks, stopping on the one you choose.

4. You can now press •PLAYBACK or •RECORD, or just let the Recorder time out (about 15 - 20 seconds) and the selected Memory channel will be ready the next time you either record or playback a race. If you do not want to playback or record at this time, either let the tach time out or press •PLAYBACK and then press •STOP.

**Note:** once you have selected a run or playback number, it will be retained until you change it.

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### SERVICE

For service send your product to Auto Meter in a well packed shipping carton. Please include a note explaining the problem along with your phone number. Please specify when you need the product back. If you need it back immediately mark the outside of the box “RUSH REPAIR,” and Auto Meter will service the product within two days after receiving it. ($10.00 charge will be added to the cost of “RUSH REPAIR.”) If you are sending product back for Warranty adjustment, you must include a copy (or original) of your sales receipt from the place of purchase.

### 12 MONTH LIMITED WARRANTY

Auto Meter Products, Inc. warrants to the consumer that all Auto Meter High Performance products will be free from defects in material and workmanship for a period of twelve (12) months from date of the original purchase. Products that fail within this 12 month warranty period will be repaired or replaced at Auto Meter's option to the consumer, when it is determined by Auto Meter Products, Inc. that the product failed due to defects in material or workmanship. This warranty is limited to the repair or replacement of parts in the Auto Meter instruments. In no event shall this warranty exceed the original purchase price of the Auto Meter instruments nor shall Auto Meter Products, Inc. be responsible for special, incidental or consequential damages or costs incurred due to the failure of this product. Warranty claims to Auto Meter must be transportation prepaid and accompanied with dated proof of purchase. This warranty applies only to the original purchaser of product and is non-transferable. All implied warranties shall be limited in duration to the said 12 month warranty period. Breaking the instrument seal, improper use or installation, accident, water damage, abuse, unauthorized repairs or alterations voids this warranty. Auto Meter Products, Inc. disclaims any liability for consequential damages due to breach of any written or implied warranty on all products manufactured by Auto Meter.

FOR SERVICE SEND TO: AUTO METER PRODUCTS, INC.
413 W. Elm St., Sycamore, IL 60178 USA (815) 895-8141
Email: service@autometer.com