

Great Lakes Division Solo

Timing & Scoring

➤ Basics

➤ What is Timing and Scoring???

➤ Timing

- The use of time as a measurement/evaluation system.
- The means of grading vehicles and/or competitors.

➤ Scoring

- A method to evaluate competitors for final ranking.
- The basis of determining class winners and champions.

➤ What are the minimum needs???

➤ A timer.

- Most popular is a JACircuits (two modes sequential and JAC).
- Another brand is RaceAmerica.
- Most use a chipset(s) for timekeeping.



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Timing & Scoring

➤ Basics

➤ What are the minimum needs??? (Cont.)

➤ A time keeper.

- Person(s) to keep track of the competitors and classes.

- System to log the times.

 - Paper tally sheet.

 - Computer aided; MSExcel, AxWare, TS

➤ A sorting method.

- On paper, organize by classes and then times.

- Computer sort on a spreadsheet.

- Automatic by dedicated software.



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Timing & Scoring

➤ **Simplified System** (Totally manual)

- Timer that displays times whether singularly or in multiples.
- Time writer recording car number, class, cone penalties and time for a given run.
 - Variation can be individual sheets for specific classes.
- At the end of a heat, run group, or event, scan sheets for fastest times and mark by circle or highlighter.
- Post results.

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➤ Simplified System (Totally manual)

MASTER TIMER SHEET

Record Every Car

HEAT _____

RUN _____

START TIME _____

FINISH TIME _____

	<u>CAR NO.</u>	<u>CLASS</u>	<u>TIME</u>	<u>CONES</u>	<u>DNE</u>	<u>CAR NO.</u>	<u>CLASS</u>	<u>TIME</u>	<u>CONES</u>	<u>DNE</u>
1						33				
2						34				



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Timing & Scoring

➤ **Slightly Complex System** (Manual with computer aided results)

- Timer that displays times whether singularly or in multiples and may print out raw times.
- Time writer recording car number, class, cone penalties and time for a given run.
 - Variation can be individual sheets for specific classes and maybe a separate sheet for cone penalties.
- Manual data entry from time/cone penalty sheets into a spreadsheet.
- Sort data by class and time then print.
- Post computer generated results.



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Timing & Scoring

➤ **Moderately Complex System** (Computer aided)

- Timer that displays times whether singularly or in multiples and prints out raw times.
- Time writer recording car number, class, and time for a given run.
- Cone penalty recorder from visual or radio.
- Computer operator manually enters times or assigns times to a list of competitors.
- Audit of written times versus computer times.
- Sort data by class and time then print.
- Post computer generated results.



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Timing & Scoring

➤ Moderately Complex System (Computer aided)

Auditing Hierarchy

- Thermal tape to master time sheet.

(Thermal takes precedence)

- Course control sheet to master time sheet.

(Course control takes precedence)

- Master time sheet to computer audit sheet.

(Master time sheet takes precedence)

- Mark all changes on computer sheet clearly and give to computer operator to make changes.



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Timing & Scoring

➤ **Complex System** (Computer driven)

- Timer that displays times whether singularly or in multiples, prints out raw times, and sends data to a computer.
- Time writer recording car number, class, and time for a given run.
- Cone penalty recorder from visual or radio.
- Computer operator verifying bar coded competitors by sequence, times and adding cone penalties to a list of competitors.
- Audit of raw times, written times, cone penalties, number, and class versus computer times.
- Post computer generated results.



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➤ System Enhancements

- Pre-registration check off and accessible database for walk-ups.
- Grid organized by class and car number with multiple driver cars easily identified.
- Run/work order sorting.
- Electronic time displays.
- Timing crew consisting of time recorder, cone penalty recorder, computer operator, and auditor.
- Announcer with computer screen with real time placing.
- Time writer at course exit.
- Bar coding of each competitor for scanning as they approach the start line.
- Class lists and worker lists.
- Individual corner cone penalty sheets.