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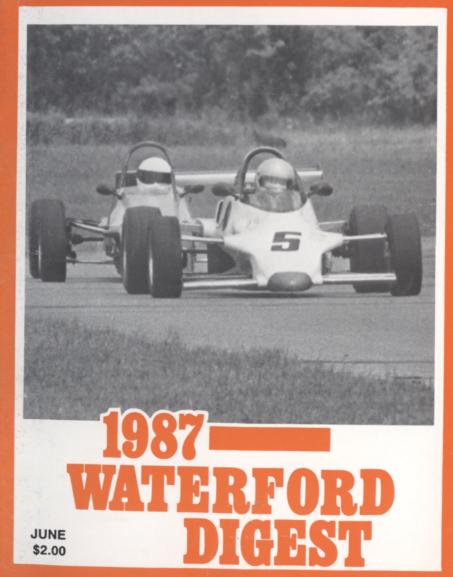
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WATERFORD DIGEST



Contents



- 2. The Inside Line
- 3. Officials
- 8. Race Results
- 29. Looking Back With Bizer
- 32. Average Lap Speed Chart
- 32. Class Records
- 33. Racing Classes
- 34. Flags
- 35. Course Map
- 36. Racing Schedule

Staff

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DON CASTLE

KARL RACENIS

Cover Photo by AL BIZER



The Inside Line

Welcome to the Waterford Hills Road Racing. This, the June meet is the third race weekend of WHRRI's twenty ninth year. If the pattern established during the first two weekends continues, you are in for a real treat. The competition has been clean, close and plentiful. Over 150 cars were girded during the weekend in May.

Many of the drivers you will be watching today were spectators in the bleachers or along the fence last season. Their interest in racing and their enjoyment of the WHRRI racing program have led to personal involvement of a highly visible sort. Former spectators can also be found among the corner workers, safety crews, timers and scorers or staffing the concessions and boutique. All are pursuing some aspect of their interest in road racing and contributing to the enjoyment of the sport for all of us.

These former spectators will, from time to time, slip out of the paddock to sit in the bleachers and watch races in which they are not involved. Keep your ears open. These racers are club members who really enjoy what they do. They are willing to answer questions and share their experiences to help you better understand the action on the track.

August 2-3 marks the Meadowbrook Historic Race Weekend this year The featured marque is Lotus, so expect to see an interesting array of Loti as well as a variety of important road racing cars of the past. They come to race and race they do! The sights and sounds are terrific. Don't miss out!

WATERFORD DIGEST

If you didn't get one this time, try a paddock pass on your next trip to Waterford. The extra bucks will let you see the cars up close to see how they're put together. Drivers and crews, unless in the middle of heavy repairs, can provide useful information, especially for those thinking about becoming active in the sport.

Enjoy yourself! We hope to see you again July 25-26.

Cal Cortright

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Vice President Dave Shook

Director of Racing Bernie Fling

Race Coordinator Dave Hinman

Chief Steward Barb Kitch

Asst Chief Eddie Atkinson

Bill Tann

Chief of Flags & Communications Willy Perez

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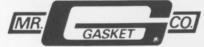
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WATERFORD DIGEST



DON CASTLE

SATURDAY CLASS RACES MAY 30-31, 1987 CLASS WINNERS

CLASS	DRIVER	CAR	BEST LAP
RACE 1			
FV	KEN WINTERS	CARACAL D-RED/WHITE	1:18.20
RACE 2			
ITS ITA ITB ITC SSGT SSA SSC	GARY RAY DEAN VOLTMER TERRY RICHARDS ROBIN BURNETTE JOHN BACON LANCE OLSON BILL ARTZBERGER	MAZDA RX7 – BRONZE MUSTANG II – BLUE DODGE CHARGER – BLUE FIESTA – WHITE FIREBIRD – RED FIREBIRD – WHITE/BLK VW GTI – BLACK	1:26.81 1:30.63 1:31.18 1:29.29 1:25.63 1:31.71 1:29.16
RACE 3			
SREN GP HP GT4 GT5	TOM VANCAMP GARI CHAFFIN LEON NEAL JR. JERRY MORLEWSKI TED WOLLESEN	SP RENAULT – RED ALFA SPIDER – RED FIAT SPYDER – RED/WH FIAT 124 – RED MINI COOPER – YELLOW	1:22.06 1:21.86 1:31.65 1:20.56 1:20.45
RACE 4			
S2 FP GTX GT1 GT3	JOHN SCHERER JIM ARTHURS HAL PRINGLE DAVE BUIST KEN NELSON	LOLA T598 – RED ALFA GIULIETT – RED CORVETTE-YELLOW/WHT FIERO – SILVER OPEL MANTA – SILVER	1:12.86 1:23.22 1:17.71 1:14.77 1:20.23
RACE 5			
FC FF CFF FFR F4	DAVID SHOOK MARK DAVISON JEFF HORTON JOHN SNYDER DENNIS WHITEHEAD	REYNARD RF84 – WHITE SWIFT – RED CROSSLE – YELLOW ROYAL – WH/RED/BLU VIXON – RED/WH/BLUE	1:15.98 1:13.34 1:14.09 1:33.74 1:20.17

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SUNDAY CLASS RACES MAY 30-31, 1987 CLASS WINNERS

CLASS	DRIVER	CAR	BEST LAP
RACE 1			
FV F440	KEN WINTERS DON GIBBONEY	CARACAL D NOVACAR J-WHITE	1:18.49 1:16.23
RACE 2			
ITS ITA ITB ITC SSX SSGT SSA SSB SSC	GARY RAY DEAN VOLTMER TERRY RICHARDS ROBIN BURNETTE RYAN BAYLEY JOHN BACON LANCE OLSON JEFF LANE BILL ARTZBERGER	MAZDA RX7 – BRONZE MUSTANG II – BLUE DODGE CHARGER – BLUE FIESTA – WHITE SPRINT – WHITE FIREBIRD – RED FIREBIRD – WHITE/BLK DODGE SHELBY – BLUE VW GTI – BLACK	1:26.41 1:30.04 1:31.28 1:31.37 1:36.14 1:24.90 1:29.88 1:28.94 1:28.31
RACE 3			
SREN GP GT4 GT5	TOM VANCAMP HUGO CARLSON JERRY MORLEWSKI JIM SZILAGYI	SP RENAULT – RED M.G.: MIDGET – ORANGE FIAT 124 – RED HONDA CIVIC – YELLOW	1:20.19 1:22.06 1:20.54 1:34.03
RACE 4			
S2 FP GTX GT1 GT3	DAN O'CONNER JIM ARTHURS HAL PRINGLE DOUG BUIST TIM POTT	LOLA 596 – WHITE ALFA GIULIETT – RED CORVETTE-YELLOW/WHT CORVETTE – RD/BLK/SIL PORSCHE 914 – RED	1:12.89 1:22.25 1:18.71 1:16.07 1:20.55
RACE 5			
FC FF CFF FFR F4	DAVID SHOOK MARK DAVISON JEFF HORTON JOHN SNYDER JUDY FERCHAT	REYNARD RF84 – WHITE SWIFT – RED CROSSLE – YELLOW ROYAL – WH/RED/BLU XPIT 401 – WHITE	1:15.98 1:12.88 1:15.03 1:31.08 1:21.39

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FEATURE RACES MAY 30-31, 1987 CLASS WINNERS

CLASS	DRIVER	CAR	BEST LAP
FEATURE 1			
F440 FV FV FV	DON GIBBONEY KEN WINTERS STEVE MCNAMARA DAVID SHELBO MICHEAL TROSELL	NOVACAR J-WHITE CARACAL D-RED/WHITE LYNX B - BLUE ZINK C4-BLACK LYNX B-RED	1:18.06 1:18.60 1:19.12 1:20.14 1:19.31
FEATURE 2			
GT4 GT4 GP GP SSGT	JERRY MORLEWSKI TOM DOWNEY HUGO CARLSON PAT NOWAK JOHN BACON	FIAT 124 – RED NISSAN 510 – BLUE M.G. MIDGET – ORANGE SPRITE – BLACK FIREBIRD – RED	1:20.62 1:21.50 1:21.99 1:21.07 1:25.40
FEATURE 3			
S2 S2 S2 S2 GT1	JOHN SCHERER CURT CATALLO STAN KASIEWICZ JOE O'CONNOR DON BURRY	LOLA T598 – RED LOLA 596 – RED SWIFT DB2 – YELLOW LOLA 596 – WHITE CORVETTE – RED/WH/BL	1:12.45 1:13.96 1:13.74 1:16.94 1:20.49
FEATURE 4			
FF FF CFF FC	KEITH MUNROE ARTHUR KUHN LEWIS COOPER III JEFF HORTON DAVID SHOOK	VAN DIEMAN RF83 – GR VAN DIEMAN – MAR/SIL VAN DIEMAN – RED CROSSLE – YELLOW REYNARD RF84 – WHITE	1:12.06 1:13.62 1:13.42 1:14.09 1:15.62

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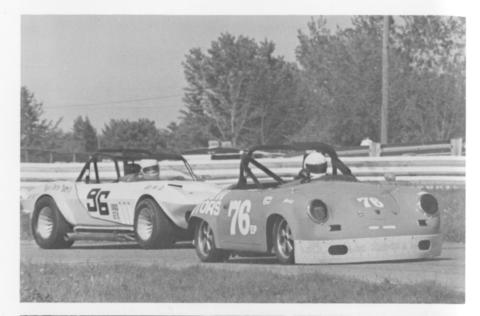
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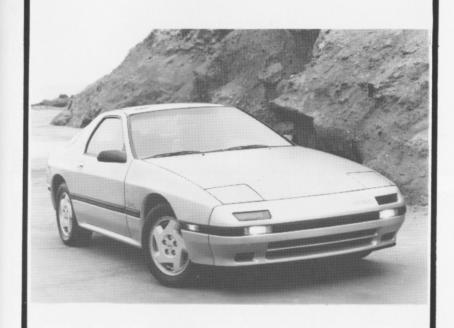




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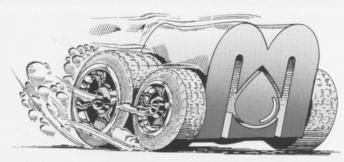




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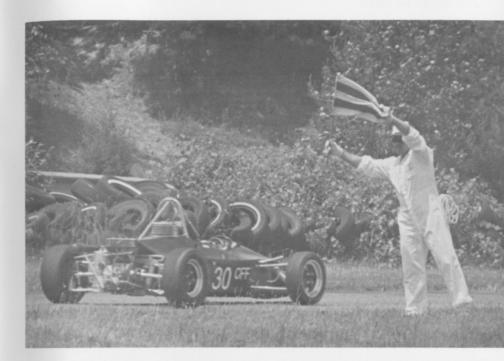


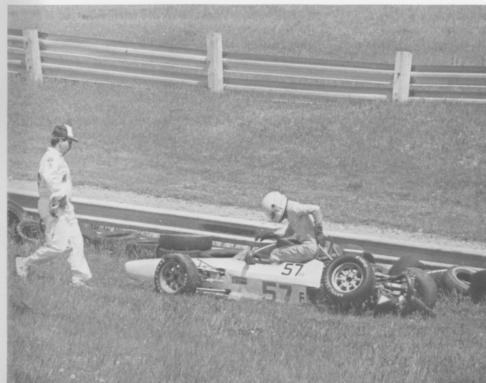
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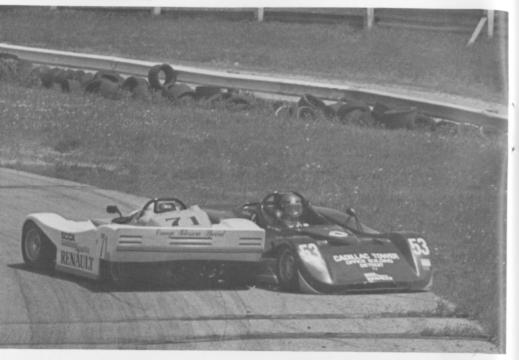
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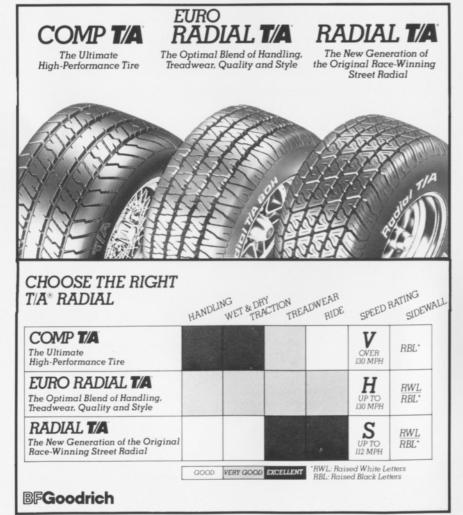
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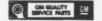
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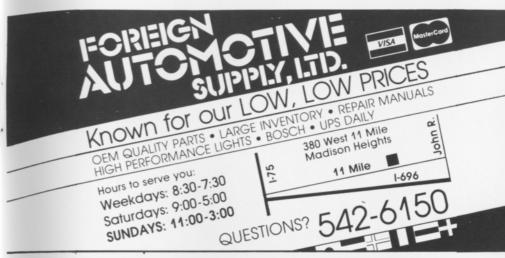
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Average Lap Speed

Min/Sec	MPH	Min/Sec	MPH	Min/Sec	MPH
1:00	85.326	1:15	68.261	1:30	56.884
1:01	83.927	1:16	67.363	1:31	56.259
1:02	82.574	1:17	66.488	1:32	55.647
1:03	81.263	1:18	65.635	1:33	55.041
1:04	79.993	1:19	64.805	1:34	54.463
1:05	78.762	1:20	63.995	1:35	53.890
1:06	77.569	1:21	63.204	1:36	53.329
1:07	76.411	1:22	62.434	1:37	52.779
1:08	75.288	1:23	61.681	1:38	52.240
1:09	74.197	1:24	60.947	1:39	51.713
1:10	73.137	1:25	60.230	1:40	51.196
1:11	72.106	1:26	59.530	1:41	50.689
1:12	71.105	1:27	58.846	1:42	50.192
1:13	70.131	1:28	58.846	1:43	49.704
1:14	69.183	1:29	57.523	1:44	49.227

The Waterford Hills Road Course is 1.4221 miles long (7,509 ft. center line of track). To determine the speed of any individual car, time it for one complete lap and read off the speed from this table.

Class Records

					_
ASR CSR DSR S/2 SREN EP FP GP HP GT1 GT2 GT3 GT4 GT5 ITA ITC ITS SSGT SSA SSB SSC **FA FC FF FFR F4	Ed Murray Evan MacDonald Ed Murray Larry Campbell Dave Finch Lou Livengood Barry Hartzel Kirk Carlson Paul Cameron Don Sak Craig Allen Jerry Morlewski Ted Wollesen Dean Voltmer Ray Krom Dave Vestrand John Heeney D.J. Fazckas Bill Bayley Ron Miller Ray Krom Andy Falbo Jay Novak Vince Muzzin Mark Davidson Stuart Lamont	Chevron M-2 Jeddi Lola SPT Renault Porsche 356 MG Midget MG Midget Sprite Corvette Lotus Elan Fiat 124 Mini Cooper Mustang II Scirocco Fiesta Datsun 280Z Porsche Turbo Mustang Honda CRX SI VW-GTI March Novakar Royale Crossle 32 Xpit	1:10.9 1:10.5 1:12.8 1:11.5 1:21.3 1:16.3 1:16.2 1:17.0 1:20.4 1:13.2 1:16.4 1:18.7 1:19.2 1:30.9 1:28.8 1:32.6 1:26.2 1:22.7 1:26.2 1:27.0 1:28.8 1:06.1 1:09.3 1:09.4 1:17.0 1:12.5	9/85 9/79 6/84 6/80 7/78 8/81 7/78 5/86 9/85 9/85 5/86 9/85 5/86 6/85 5/86 6/85 5/86 8/83 9/84 6/78	
		,			
FV	Lee McLeod	Lynx	1:15.7	7/81	
F440	Jay Novak	Epee	1:14.8	9/85	
**track rec		-poo	1.14.0	3/00	
Hack lec	oru				

WATERFORD DIGEST

Racing Classes

To insure fairness in competition, all road racing cars are grouped into racing classes by the Sports Car Club of America in its General Competition Rulebook (GCR). Waterford Hills Road Racing observes the GCR regulations with some minor exceptions.

The five Competition groups are: Production (sport cars), Showroom Stock (GT cars and sports cars with minimal modification), Sports Racing (Highly modified engine and body over wheels), GT (enclosed cockpit passenger cars and former big production cars), and Formula (open wheels single cockpit). Racing groups are subdivided into classes of equally competitive cars based upon engine size and handling characteristics.

The cars listed below are representative of their racing classes and include most of those you will see at Waterford Hills.

PRODUCTION

EP	Porsche 356 series, MGB, Opel GT, Porsche 914/4, Triumph TR-4
ED	0 1 0

Saab Sonnet, MG Midget Mk III & IV, Lotus 7, Triumph Spitfire Mk III & IV & 1500
 MG Midget Mk I & II, Triumph Spitfire Mk I & II, MGA, Austin Healy Sprite, Fiat X1/9,

Fiat 124 Spider, Alfa Romeo, Porsche Coupe

HP Austin Healy Sprite Mk I & II, Fiat 850, MG Midget 948, Fiat Abarth

SHOWROOM STOCK

SS-GT	New class with current model cars of SSA plus additional modifications allowed
SSA	Mustang Cobra, Mazda RX series, Porsche 924, Capri V-6, Datsun 2807

SSB Triumph TR-8, Scirocco, Dodge Colt, Datsun 200SX, Fiat 124

SSC Fiat X1/9, Pinto, VW Rabbit, Renault LeCar, Mustang 2.3, MGB, Honda Civic, Toyota

Corolla, Pontiac Astre

SPORTS RACING

SR	over	1300	CC	but	less	than	6000	CC	
						_			

CSR over 850 cc up to 1600 cc (with restrictions)

DSR below or equal to 850 cc

\$/2000 uses Ford 2000 cc overhead cam engines only

GT CLASSES

GT-1	Corvette, Camaro, Ford Cobra II, Shelby GT-350, Porsche 911 SC, Dodge Aspen	
GT-2	Datsun Z series, Mazda RX7, Porsche 914/6 & 924 Turbo, Sunbeam Tiger, Triumph	

TR-6 & TR-8

GT-3 Opel 1900, Datsun 510 1800, Mustang 2300, Pinto 2000 & 2300, Cosworth Vega

GT-4 Fiat 124 Sports Coupe, Pinto 1600, Toyota Celica, Dodge Colt, Toyota Corolla 1600,

Renault LeCar, Datsun 510 1600, Ford Escort/Lynx, VW Rabbit & Scirocco

GT-5 Datsun 200SX, Austin/Morris Mini Cooper, VW 1300, NSU TT, Honda Civic, Fiat 124 1200, Toyota Corolla 1200

FORMULA

FV

FF Formula Ford — Cortina or Pinto 1600 cc engine, strict weight to engine ratio with

driver's weight included in total legal weight, very equal class

FFR Formula Ford Radial — the cars are the same as the above class except they must use BF goodrich T/A radial tires

Formula Vee — all Volkswagen components, 1200 cc engine, driver's weight included

in total legal weight, very competitive class

F/ATLC Formula Atlantic — choice of engines in over 1100 cc up to 16000 cc range, wings

and other modifications allowed, not meant to be an inexpensive race car

F/CNTL Formula Continental — engine up to 1100 cc, rear wings allowed, combines the

modifications of the previous Formula C and Formula Super Vee classes

F440 Formula 440 — utilizes Fuji two-cycle snowmobile engines and drive train, rigid

suspension, wings permitted

F4 Formula Four — Canadian class, motorcycle engine power plant, engine size

determines weight and transmission allowed

Flags

yellow with red stripes



Take care, oil has been spilled or a slippery condition exists somewhere in your vicinity. Look at the track surface.

black



Sloppy or dangerous driving. Complete the lap you are on, stop at the Start/Finish line for consultation with Chief Steward. Waving Black Flag (displayed on all corner stations) means the race is stopped. Slow down immediately and proceed around the track with extreme caution to the pit lane for a re-start.

black with orange ball



(Meatball Black Flag) There is something mechanically wrong with your car. Proceed to your pits at reduced speed.

green



(Or no flag) Course is clear.

yellow



(Stationary) Take care, danger, no passing. (Waving) Great danger, be prepared to stop, no passing.

red



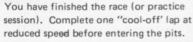
Waving red (displayed by the Starter only) means the race is stopped, slow down immediately and proceed around the track with extreme caution to the pit lane.

blue with diagonal yellow stripes



(Motionless) Another competitor is following you closely.

checkered

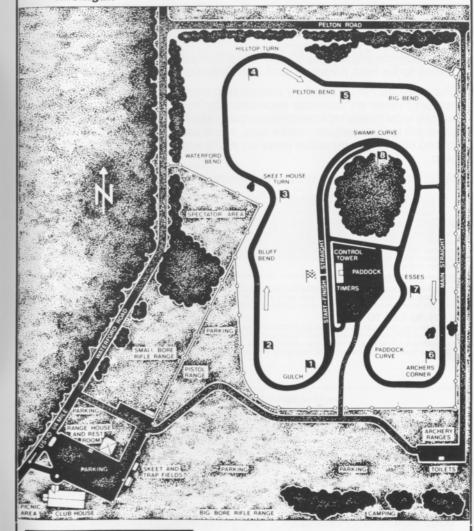




WATERFORD DIGEST

Waterford Hills Course Map

a 1.5 mile asphalt road course at waterford, michigan





Waterford Hills 1987 **Road Racing Calendar Schedule**

July 25-26 May 16-17 Race 4 Race 1 Race 5 Aug. 29-30 May 30-31 Race 2 Race 6 Sept. 26-27 June 27-28 Race 3

Mark your calendar now for the Third Annual Meadowbrook Historic Races to be held August 1 and 2 at Waterford Hills.

The races will not only feature vintage automobiles, there will also be two celebrity races on Saturday sponsored by Volkswagen. One race will feature local media representatives racing identically equipped VWs, the other will feature national media reps. in the same cars. Last year these turned into very competitive matches and it appears they will again this

Watch for more details in coming Digests and plan to be there.

Vintage Race Aug. 1-2

RACING RAIN OR SHINE

The hills of Waterford are being invaded . . . with an army of sports cars, sedans and formula cars in fierce, wheel to wheel competition . . . and for 1987 we've assembled the largest field in our 29 year history! Watch over 130 top drivers battle it out in the finest racing machinery from America and Europe. Corvette, Porsche, Datsur. Portything from Capris to Camarios, McLarens to MGs. All together, fighting it out on a mile-and-a-half track with 13 right and left turns that twist up and down hills like no other road course in the U.S.A.

EASY ON THE WALLET

Admission is just \$3.00 for Saturday, \$5.00 for Sunday, or \$6.00 for the entire weekend. Children under 12 are always free and a Season Ticket is only \$20.00. The track opens at 10 a.m. for practice and qualifying. Racing begins at 1:30 p.m. on Saturday (seven races) and at 11:30 a.m. on Sunday (ten races). For more information phone (313) 623-0444.

EASY TO GET TO

Chances are you live within a few minutes of the Midwest's premier road course. The W.H.R.R.I. Race Track is located just 6 miles north of Pontiac on Waterford Road, 1/4 mile each of Dixie Highway (U.S. 10) in Waterford, Michigan. The easiest route to take is I-75 to the southbound Sashabaw Exit. Take Sashabaw south to Pelton Road, then take Pelton west to Waterford Road. The total distance after exiting the expressway is 2-1/2 miles

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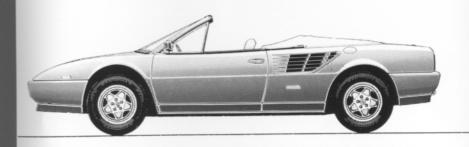
THE WATERFORD DIGEST

Published by Waterford Hills Racing Inc., 1987

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