

File Name: Sebring Monday 1/29 setback

Sebring setback

Track:	Sebring	Date:	1/29/2008
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Car:	Mazda	Session:	setdown	LapLength:	3.6 miles	Driver:	Ron White	Fast Lap:	2:00:30
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Measured			
Ride Height (mm)		inch	
30.00	30.00	1.18in	1.18in
31.00	31.00	1.22in	1.22in
Rake =	01.0mm		0.04

Spring Rate (Lbs/in)		Wheel Rate (Lbs/in.)	
1000	1000	303	303
1000	1000	533	533
		% F/R Wheel Rate	
		56.8%	56.8%

Tilt	
mm	
Frt	0.0
Rr.	0.0
Static Preload (=contact + #flats)	
22.0 flats	22.0 flats
6.0 flats	6.0 flats

Camber (deg)	
-3.5	-3.5
-2.9	-2.9
Pushrods (in.)	

castor @ steering block	
1.3deg	1.3deg
Motion Ratio	
Rising Rate %	
0.55	0.55
0.73	0.73

Toe (mm)		Anti position Rear	
1.5 in	1.5 in	UPPER	UPPER
1 in	1 in		
Corner Weights			
Left	Right	Total	Percent
297	297	594	42.92%
	50.00%	(rf-lr)	
395	395	790	57.08%
Total		1384	

Tires				
Comp	Dia.	(Cold) Pressure (Hot)		
430		14.0	14.0	19.0
430		13.0	13.0	17.0
Set #				
Front ref top ftwb mount				
Bottom of rear Bellhousing				

Sway Bars		
Type	Diameter	Position
Front	19.000	Stiff
Rear	0.625	flush

BRAKES				
Brake Pads	Scoops	Tape	Fluid	Master Cyl
PFC o1	NO	NO	Motul 600	0.750
PFC o1	NO	NO		0.812

Wishbones(in.)		
length	III	III
	III	III
front top	fwd	18.875
	rear	24.781
front lower	fwd	23.437
	rear	26.625

SHOCK ABSORBERS							
Model	Valving Code		droop		pressure		SHOCK SETTINGS
Ohlins	FM-5	FM-5			150	150	LSC
Ohlins	FM-5	FM-5			150	150	Rebound
							LF
							RF
							LR
							RR

Rear			
rear top	fwd	15.968	15.968
	toe	to suit	to suit
rear lower	fwd	22.968	22.968
	rear	22.375	22.375

TRANSMISSION		Final Drive
Gearbox #	Diff Type	9- 31
	open	

Wings		
REAR TOP		Lower set to max. Endfences to 90
ANGLE	a4	
SET #		
ELEMENTS	3	
FRONT WING		FRONT FLAPS
MAIN	0 Deg	
ANGLE	17.5deg	
END FENCE FEET		GURNEY
off	off	stock
		stock

Maximum RPM		8300	Rear tire dia.		22.68		
Minimum RPM		4500					
Tall Stack							
Gear	in	out	1/Ratio	O/A Ratio	RPM After Shift	RPM Max Speed	RPM Drop
1st	12	29	0.414	0.120		67.4	
2nd	17	30	0.567	0.165	6061	92.3	2239
3rd	19	27	0.704	0.205	6684	114.6	1616
4th	18	22	0.818	0.238	7139	133.2	1161
5th	24	26	0.923	0.268	7357	150.3	943
6th	24	24	1.000	0.291	7662	162.8	638

FUEL	
Setup	10.0 gallons
Start	same

MILEAGE			
Engine	mazda	START MILES	0
Exhaust	short	LAPS	#VALUE!
Map	stock	END MILES	#VALUE!

Notes & Info	Ride height includes driver weight and nose on.
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