## LOTUS EUROPA 1969 SPECIFICATION S2 (NOT FEDERAL)





!	Units	RACE 2002	LAPPING 2005	LAPPING 2007	LAPPING 2008
ENGINE		Renault Gordini 4 cylinder	Renault Gordini 4 cylinder	Honda H22A, 4 cylinder	Honda H22A, 4 cylinder
General engine comment		Very reliable engine, no power under 3500 rpm, need to replace connecting rod bearing every 5 to 8 hours on race track	Engine project, never run, never trust the head Gasket and sleeve, sold the engine, but a lot of engineering done	Very nice, power every where, but complicated set-up since the engine is turning wrong side. A lot of vibration with the engine without counterbalance shaft belt	A lot of vibration with the engine without counterbalance shaft.
Power					
Measured Wheel horsepower	hp			181	
at rpm	rpm			7000	
Estimated crank power	hp	165	190	218	230
at rpm		7200	7200	7000	7200
Bore	mm	79	82.5	87	87
Crankshaft		Renault Fuego Turbo	Renault Fuego Turbo	Stock	Stock
Stroke	mm	84	84	90.7	90.7
Displacement	CC	1647	1796	2157	2157
Block  Compression ratio	rpm	7 400 rpm (rev. limiter)  Aluminum, Renault Fuego turbo, modified oil drain passage  9.8	Aluminum, Renault Fuego turbo, modified oil drain passage; Modified on mechanical fuel pump area for oil drainage; Oil passage to fill oil under the piston into the block. Modified for sleeve XX mm OD, machined centered to existing hole.	8000 Stock 10.6 stock	8000 Stock 10.6 stock
Compression ratio	$\vdash$	9.0		10.6 Stock	10.6 Slock
Piston		OEM PISTON, FLAT TOP	ROSS custom (volume combustion chamber det. By drawing)	Stock	Stock
Head		R17 Gordini, ported, 36 mm intake port,	Aluminum, R17 Gordini, ported, 40 mm intake port, head opening modified for oil drain, and for coolant passage.	Stock	Slightly ported
Valve size		Stock	Mecaparts intake, mecaparts exhaust	Stock	Stock
-inlet	mm	42 mm	44	40	40
-exhaust	mm	35.35 mm	37	35	35
Valve spring	<u> </u>			Stock	Stock
-outside origine	<u> </u>	Renault Fuego Turbo	Crower 68106	Stock	Stock
-outside OD	inches		1.225	Stock	Stock
-outside ID	inches		0.915	Stock	Stock
-outside free length	inches	2.105	2.225	Stock	Stock
-outside collapse length	inches	1,010	0.91	Stock	Stock
-outside fitted length	inches		1.61	Stock	Stock
-inside origine	inches		Crower 68208	Stock	Stock
-inside OD -inside ID	inches		0.91 0.68	Stock Stock	Stock Stock
-inside ID -inside free length	inches		1.97	Stock	Stock
-inside free length	inches		1.97	Stock	Stock
-inside collapse length	inches		1.490	Stock	Stock
-TOTAL SPRING RATE	#/in		259	Stock	Stock
-SEAT PRESSURE	pounds		129	Stock	Stock
-TOTAL SPRING PRESSURE OPEN	pounds		265	Stock	Stock
Valve spring retainer	poundo	Fuego Turbo 33.9 gr	Titanium GR5 custom made, 11 gr	Stock	Stock
Cam spec.		race cam from France	ELGIN	Stock	Stock
-valve lift		Tuco cam nem ranco	22011	Stock	Stock
-inlet	inches	0.39	0.460	0.469	0.469
-exhaust	inches	0.39	0.460	0.438	0.438
Lifter		Renault Fuego Turbo	Renault Fuego Turbo	na	na
Pushrod		Renault Fuego Turbo	Renault Fuego Turbo	na	na
Carburator		2 x Dellorto 45 dhla	2 x Dellorto 45 dhla	EFI	EFI
-venturi	mm	36	38	stock	stock
-idle jet	mm	50	50	na	na
-emulsion tube	<u> </u>	7772.6	7772.6	na	na
-main jet	<u> </u>	150	160	na	na
-air jet	<b></b>	180	180	na	na 
Intake Air box		? Aluminum custom made, welded	? Aluminum custom made, welded	stock no	shunk2 SK-307-05-0300 no
Fuel pump		construction, large volume  Carter 5 psi 72 gph #p4070	construction, large volume  Carter 5 psi 72 gph #p4070	low pressure: Carter 5 psi 72 gph #p4070;	low pressure: Carter 5 psi 72 gph #p4070;
Exhaust system		4 into 1, 1 1/2 ID primary pipe, 1 7/8" ID secondary, flowmaster 42452 muffler, 2 1/2	4 into 1, 1 1/2 ID primary pipe, 1 7/8" ID secondary, flowmaster 42452 muffler, 2 1/2	high pressure: Accel  Custom made 4 into 1, 1 5/8 ID primary pipe, 2 3/8" ID secondary,	high pressure: Accel  Custom made 4 into 1, 1 5/8 ID primary pipe, 2 3/8" ID secondary,
Connection and	<b></b>	outlet pipe Renault Fuego Turbo	outlet pipe		* *
Connecting rod  Ignition		Ducelier dist. (Renault Fuego Turbo), MSD- 8981 Timing Computer, MSD- 6AL Spark Amplifier, adv/retard remote adj, Cam sensor (hall effect MSD-8276), HVC coil MSD-8252	8981 Timing Computer, MSD-	stock Stock	stock Stock
-timing		rpm	21 deg. under 1500 rpm, 43 deg over 3500 rpm	Stock	Stock
Oil pump		Renault Fuego Turbo, 31 mm pump, pressure regulator spring stretch	Renault Fuego Turbo, 31 mm pump, pressure regulator spring stretch	Stock	Stock
Oil filter	'	Remote kit from Summit, filter Bosch	Remote kit from Summit, filter Bosch	Remote kit from Summit, ph8	Remote kit from Summit, ph8

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Renaul NG3, close ratio gear kit (gear kit, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 and 2, synchro on 3, 4 and 5, kodo n 1 an						
		Units	RACE 2002	LAPPING 2005	LAPPING 2007	LAPPING 2008
Description   Proceedings   Procedings   Procedings   Procedings   Procedings   Proceedings   Procedings		1				
March   March   Park	0.11				modified standard sump to increase the	modified standard sump to increase the
Content   Cont	Oil sump					
Display   Section   Sect			with divider plate, modified pick-up		,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Facility 10	Oil atv	liters	6		11	11
Record with care Coffee 22   Record to the form with cast, Coffee 22		IIICIO	-			
15.4 12 earning (2-2015-5), passed   15.2 12 destination (2-2015-5), passed	Motor oil coolei	+				
## about Perma Cool lan 14 inches						
Comment	Coolant radiator					
Will Ration, describe type						
TRANSMISSION  TRANSMISSION  A very very very rice, a desame very very rice, a desame very rice at billing. But the new bearing to form the purposes of the pur		<del></del>				
TRANSMISSON	Expansion tank	<del></del>	VW Rabbit, dearation type	VW Rabbit, dearation type	VW Rabbit, dearation type	
	Other					
Service   Serv						modified for the purpose.
Service   Serv		<u> </u>				
	TRANSMISSION					
Remail NG3, close ratio gear list gear list, dog on 1 and 2, sportion on 3, 4 and 6, shopped part list, dog on 1 and 2, sportion on 3, 4 and 6, shopped part list, dog on 1 and 2, sportion on 3, 4 and 6, shopped part list, dog on 1 and 2, sportion on 3, 4 and 6, shopped part list, dog on 1 and 2, sportion on 3, 4 and 6, shopped part list, dog on 1 and 2, sportion on 3, 4 and 6, shopped part list, dog on 1 and 2, sportion on 3, 4 and 6, shopped part list, dog on 1 and 2, sportion on 3, 4 and 6, shopped part list, dog on 1 and 2, sportion on 3, 4 and 6, shopped part list, dog on 1 and 2, sportion on 3, 4 and 6, shopped part list, dog on 1 and 2, sportion on 3, 4 and 6, shopped part list, dog on 1 and 2, sportion on 3, 4 and 6, shopped part list, dog on 1 and 2, sportion on 3, 4 and 6, shopped part list, dog on 1 and 2, sportion on 3, 4 and 6, shopped part list, dog on 1 and 2, sportion on 3, 4 and 6, shopped part list, dog on 1 and 2, sportion on 3, 4 and 6, shopped part list, dog on 1 and 2, sportion on 3, 4 and 6, shopped part list, dog on 1 and 2, sportion on 3, 4 and 6, shopped part list, dog on 1 and 2, sportion on 3, 4 and 6, shopped part list, dog on 1 and 2, sportion on 3, 4 and 6, shopped part list, dog on 1 and 2, sportion on 3, 4 and 6, shopped part list, dog on 1 and 2, sportion on 3, 4 and 6, shopped part list, dog on 1 and 2, sportion on 3, 4 and 6, shopped part list, dog on 1 and 2, sportion on 3, 4 and 6, shopped part list, dog on 1 and 2, sportion on 3, 4 and 6, shopped part list, dog on 1 and 2, sportion on 3, 4 and 6, shopped part list, dog on 1 and 2, sportion on 3, 4 and 6, shopped part list, dog on 1 and 2, sportion on 3, 4 and 6, shopped part list, dog on 1 and 2, sportion on 3, 4 and 6, shopped part list, dog on 1 and 2, sportion on 3, 4 and 6, shopped part list, dog on 1 and 2, sportion on 3, 4 and 6, shopped part list, dog on 1 and 2, sportion on 3, 4 and 6, shopped part list, dog on 1 and 2, sportion on 3, 4 and 6, shopped part list, dog on 1 and 2, sportion on 3, 4 and 6, shopped part l	General transmission comment		very very very nice, a dream	venuvenuvenu nice, a dream	very nice shifting, but the rear bearing	
Result NGJ, close ratio gas his gast kit, dog on 1 and 25, grother on 3.4 and 5.8 fb, dog on 1 and 25, grother on 3.4 and 5.8 fb, dog on 1 and 25, grother on 3.4 and 5.8 fb, dog on 1 and 25, grother on 3.4 and 5.8 fb, dog on 1 and 25, grother on 3.4 and 5.8 fb, dog on 1 and 25, grother on 3.4 and 5.8 fb, dog on 1 and 25, grother on 3.4 and 5.8 fb, dog on 1 and 25, grother on 3.4 and 5.8 fb, dog on 1 and 25, grother on 3.4 and 5.8 fb, dog on 1 and 25, grother on 3.4 and 5.8 fb, dog on 1 and 25, grother on 3.4 and 5.8 fb, dog on 1 and 25, grother on 3.4 and 5.8 fb, dog on 1 and 25, grother on 3.4 and 5.8 fb, dog on 1 and 25, grother on 3.4 and 5.8 fb, dog on 1 and 25, grother on 3.4 and 5.8 fb, dog on 1 and 25, grother on 3.4 and 5.8 fb, dog on 1 and 25, grother on 3.4 and 5.8 fb, dog on 1 and 25, grother on 3.4 and 5.8 fb, dog on 1 and 25, grother on 3.4 and 5.8 fb, dog on 1 and 25, grother on 3.4 and 5.8 fb, dog on 1 and 25, grother on 3.4 and 5.8 fb, dog on 1 and 25, grother on 3.4 and 5.8 fb, dog on 1 and 25, grother on 3.4 and 5.8 fb, dog on 1 and 25, grother on 3.4 and 5.8 fb, dog on 1 and 25, grother on 3.4 and 3.8 fb, dog on 1 and 25, grother on 3.4 and 3.8 fb, dog on 1 and 25, grother on 3.4 and 3.8 fb, dog on 1 and 25, grother on 3.4 and 3.8 fb, dog on 1 and 25, grother on 3.4 and 3.8 fb, dog on 1 and	General transmission comment		very very very flice, a dream	very very very flice, a dream	holder too fragile, need reinforcement	
Model         Big on 1 and 2, synchron on 3, 4 and 5, finger casing and diff., Fuego shifter for Surging counts after that of Surging counts after the Surging counts					Renault NG3, close ratio gear kit gear kit,	Renault NG3, close ratio gear kit gear kit,
			Renault NG3, close ratio gear kit gear kit,	Renault NG3, close ratio gear kit gear kit,	dog on 1 and 2, synchro on 3, 4 and 5, R5	dog on 1 and 2, synchro on 3, 4 and 5, R5
	Model		dog on 1 and 2, synchro on 3, 4 and 5.	dog on 1 and 2, synchro on 3, 4 and 5.	alpine casing and diff., Fuego shifter	alpine casing and diff., Fuego shifter
Pipeline		1	gr= re-par onan noo	goz zapat onat nao		
Day, 215 mm, Fuego Tubo	Flywheel	+	Lightened standard flowheel 11 nounds	Lightened standard flywheel 11 nounds		
Usy, 21 mm, rugs   use   Usy, 21 mm, rugs   use   Septing center   Septing center		+				
Search   First speeds   First spee	Clutch	1	Dry, 215 mm, Fuego Turbo	Dry, 215 mm, Fuego Turbo		
Secretarion	Coorboy	+				
### 2,662		+	rive speeds	rive speeds	rive speeds	rive speeds
1,89		<del></del>	0.00	0.00	0.00	0.00
1,48		<b>↓</b>				
		<del></del>				
### 1.03		<u> </u>				
Prignot bevel   Prignot beve						
Final diversariate						
Final diversariate	Final drive		Hypoid bevel	Hypoid bevel	Hypoid bevel	Hypoid bevel
First   Second   Smrh   10.98   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.5	Final drive ratio					3.78
First   Second   Smrh   10.98   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.56   11.5	km/hr per 1000 rpm with tire below					
Second		km/h	10 99	11.56	11.56	11.56
First						
### Print   Mmh   23.75   24.88   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.98   24.9						
Fifth						
First						
First   Minh   82   87   92   92   92   92   92   92   92   9		KIII/II				
Second						
Print drop deta						
Print dop delta						
Additional		rpm				
Third	rpm drop delta		2083	2083	2222	2222
pm drop ofelia   fis39   fis	delta kmh	km/h	32	33	36	36
Transpersion	-Third	km/h	146	154	164	164
Transpersion	rpm drop	rpm	5861	5861	6252	6252
Section   Sect						
Forth   Kmh   178   187   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   200   20		km/h				
Product   Prod						
Product   Prod						
According to be deltar kmh		1119111				
Fifth mymb 208 219 234 234 234 234 234 234 234 234 234 234		km/h				
rpm drop delta pm drop delta pm drop delta pm drop delta delta kmh						
rpm drop delta delta kmh km/h 30 32 32 34 34 34 34 34 34 34 34 34 34 34 34 34						
Shortened drive shaft, mounted with flange yoke on transmission, all spherical bearing on shifter rod.		rpm				
Shortened drive shaft, mounted with flanger Shortened drive shaft, larger universal joint. Shortened drive shaft, universal joint serie yoke on transmission, all spherical bearing on shifter rod.  CHASSIS  CHAS		<del></del>				
Other yoke on transmission, all spherical bearing on shifter rod.  CHASSIS	delta kmh	km/h				
CHASSIS  CHA		1				
CHASSIS  Quite neutral, understeer to overstreer, rear Quite neutral, understeer to overstreer, rear a little bit too soft. All a time loose on the halfshaft, and broke few.  General handling comment  General handling comment  Double A-arm, Tubular, adjustable comber, from Banks from Banks from Banks  Spring rate  -Spring rate  -Max roll bar lies dijustment  inches  -Shock absorber  Adjustable (rebound and preload) Spax low pressure gaz shock, spring rate  -Spring rate  -Min 1 10 10 10 10 10 10 10 10 10 10 10 10 1	Other	1				
General handling comment  Guite neutral, understeer to overstreer, rear a little bit too soft. All a time loose on the halfshaft, and broke few.  In a little bit too soft. All a time loose on the halfshaft, and broke few.  In a little bit too soft. All a time loose on the halfshaft, and broke few.  In a little bit too soft. All a time loose on the halfshaft, and broke few.  In a little bit too soft. All a time loose on the halfshaft, and broke few.  In a little bit too soft. All a time loose on the halfshaft, and broke few.  In a little bit too soft. All a time loose on the halfshaft, and broke few.  In a little bit too soft. All a time loose on the halfshaft, and broke few.  In a little bit too soft. All a time loose on the halfshaft, and broke few.  In a little bit too soft. All a time loose on the halfshaft, and broke few.  In a little bit too soft. All a time loose on the halfshaft, and broke few.  In a little bit too soft. All a time loose on the halfshaft, and broke few.  In a little bit too soft. All a time loose on the halfshaft, and broke few.  In a little bit too soft. All a time loose on the halfshaft, and broke few.  In a little bit too soft. All a time loose on the halfshaft, and broke few.  In blue A-arm, Tubular, adjustable camber,			on shifter rod.	bearing on shifter rod.	spherical bearing on shifter rod.	spherical bearing on shifter rod.
General handling comment a little bit too soft. All a time loose on the halfshaft, and broke few.  Front suspension	CHASSIS					
General handling comment a little bit too soft. All a time loose on the halfshaft, and broke few.  Front suspension	-				with all adjustement at the extreme, too	
General handling comment    Quite neutral, understeer to overstreer, rear a little bit too soft. All a time loose on the halfshaft, and broke few.   a little bit too soft. All a time loose on the halfshaft, and broke few.   a little bit too soft. All a time loose on the halfshaft, and broke few.   a little bit too soft. All a time loose on the halfshaft, and broke few.   a little bit too soft. All a time loose on the halfshaft, and broke few.   a little bit too soft. All a time loose on the halfshaft, and broke few.   a little bit too soft. All a time loose on the halfshaft, and broke few.   a little bit too soft. All a time loose on the halfshaft, and broke few.   a little bit too soft. All a time loose on the halfshaft, and broke few.   a little bit too soft. All a time loose on the halfshaft, and broke few.   a little bit too soft. All a time loose on the halfshaft, and broke few.   a little bit too soft. All a time loose on the halfshaft, and broke few.   a little bit too soft. All a time loose on the halfshaft, and broke few.   a little bit too soft. All a time loose on the halfshaft, and broke few.   a little bit too soft. All a time loose on the halfshaft, and broke few.   a little bit too soft. All a time loose on the halfshaft, and broke few.   a little bit too soft. All a time loose on the halfshaft, and broke few.   a little bit too soft. All a time loose on the loose of the loose on the		1				
General handling comment a little bit too soft. All a time loose on the halfshaft, and broke few.    A little bit too soft. All a time loose on the halfshaft, and broke few.   All a time loose on the halfshaft, and broke few.   Server, but edgy at the limit. Rear shock needs to be revalved. The quaiffed iff is pushing the car. Suspension rigid, but not extreme.    Double A-arm, Tubular, adjustable camber, from Banks		1	Quite neutral, understeer to overstreer real	Quite neutral, understeer to overstreer rear		
halfshaft, and broke few. halfshaft, and broke few. needs to be revalved. The qualife diff is pushing the car. Suspension rigid, but not extreme.  Double A-arm, Tubular, adjustable camber, from Banks from Bank	General handling comment	1				
Pushing the car. Suspension rigid, but not extreme.   Pushing the car. Suspension extreme.   Pushing the car. Suspension extreme.   Pushing the car. Suspension rigid, but not extreme.   Pushing the car. Suspension   Push	andramig continuit	1				
Pront suspension		1	nanonan, and broke low.	nanonan, and broke low.		
Double A-arm, Tubular, adjustable camber, from Banks		1				
From Banks		<del></del>	Double A com Tabul 2 111	Deuble A see Tubul. "		Double A cons Tabul 2 111
-Spring rate #/in 150 150 150 150 150 150Roll bar dia. inches 5/8 5/8 5/8 5/8 5/8 5/8 3/4Max roll bar link adjustment inches 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Front suspension	1				
Roll bar dia.   Inches   5/8   5/8   5/8   3/4    -Roll bar length   Inches   37 approx.   5    -Min roll bar link adjustment   Inches   8   8   8   8   8   8   8   8   8						
Roll bar length   Inches   37 approx.   38						
- Max roll bar link adjustment         inches         5         5         5         5           - Min roll bar link adjustment         inches         8         8         8         8         8         8         8         Adjustable (rebound and preload) Spax low Pressure gaz shock, pressure						
- Min roll bar link adjustment inches 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8						
-Shock absorber Adjustable (rebound and preload) Spax low Pressure gaz shock, pressure gaz sho						
-Shock absorber Adjustable (rebound and preload) Spax low Pressure gaz shock, pressure gaz sho	- Min roll bar link adjustment	inches				
-Shriok absorber         pressure gaz shock,	•					Adjustable (rebound and preload) Spax lov
Rear suspension         Trailing arm, all solid joint         Trailing arm, al	-Snock absorber	1				
-Spring rate         #/in         160         150         210         210           -Roll bar dia.         inches         na         na         9/16         9/16           -Roll bar length         inches         37 approx.         37 approx.         37 approx.           -Max roll bar link adjustment         inches         na         na         8         8	Rear suspension	+				
-Roll bar dia.         inches         na         na         9/16         9/16           -Roll bar length         inches         37 approx.         37 approx.         37 approx.           -Max roll bar link adjustment         inches         na         na         8		#/in				
-Roll bar length         inches         37 approx.         37 approx.         37 approx.         37 approx.           - Max roll bar link adjustment         inches         na         na         8         8						
- Max roll bar link adjustment inches na na 8 8						
- Min roll bar link adjustment         inches         na         12         12						
	- Min roll bar link adjustment	inches	na	na	12	12

## LOTUS EUROPA 1969 SPECIFICATION S2 (NOT FEDERAL)





	Units	RACE 2002	LAPPING 2005	LAPPING 2007	LAPPING 2008
-Shock absorber		Carrera 6253, adjustable 3 positions	Carrera 6253, adjustable 3 positions, with	Carrera 6253, adjustable 3 positions, with	Carrera 6253, adjustable 3 positions, with
		• •	rod extension 1 1/4	rod extension 1 1/4	rod extension 1 1/4
- Bearing hub	<u> </u>	Billet bearing housing	Billet bearing housing	Billet bearing housing	Billet bearing housing
- Halfshaft		stock	stock	inverted design, billet shaft with the flange	inverted design, billet shaft with the flange
Front brake		Wilwood vented disc, Dual opposite piston caliper (spitfire)	Wilwood vented disc, Dual opposite piston caliper (spifire)	Wilwood vented disc, Dual opposite piston caliper (spifire)	Wilwood vented disc, Dual opposite piston caliper (spifire)
- disc dia.	inches	10.25	10.25	10.25	10.25
Front caliper		Triumph Spitfire	Triumph Spitfire	Triumph Spitfire	Triumph Spitfire
- piston dia.	mm	48	48	48	48
Front brake pad		Hawk Blue	Hawk Blue	Hawk Blue	Hawk Blue
Rear brake		Wilwwod vented disc Dual opposite piston caliper (spitfire)	Wilwwod vented disc Dual opposite piston caliper (spitfire)	Wilwwod vented disc Dual opposite piston caliper (spitfire)	Wilwwod vented disc Dual opposite piston caliper (spitfire)
- disc dia.	inches	10.25	10.25	10.25	10.25
Rear caliper		Triumph Spitfire	Triumph Spitfire	Triumph Spitfire	Triumph Spitfire
- piston dia.	mm	48	48	48	48
Rear brake pad		Hawk Blue	Hawk Blue	Hawk Blue	Hawk Blue
Master cylindre		Wilwood master 3/4 bore front and rear, pressure reducing valve Wilwood, residual pressure valve	Wilwood master 3/4 bore front and rear, pressure reducing valve Wilwood, residual pressure valve	Wilwood master 5/8 front and 3/4 rear, pressure reducing valve Wilwood, residual pressure valve, Wilwood remote balance bar, and Wilwood balance bar attachment.	Wilwood master 5/8 front and 3/4 rear, pressure reducing valve Wilwood, residual pressure valve, Wilwood remote balance bar, and Wilwood balance bar attachment.
Tire			TOYO RA1	TOYO RA1	TOYO RA1
-Front			185/60-13	185/60-13	185/60-13
width	mm	185	185	185	185
profile	%	60	60	60	60
-Rear					
width	mm	205	225	225	225
profile	%	60	50	50	50
Wheel					
-Front			Keizer Aluminum Wheel (8.4 pounds)	Keizer Aluminum Wheel (8.4 pounds)	Keizer Aluminum Wheel (8.4 pounds)
width	inches		6	6	6
backspacing	inches		4.88	4.88	4.88
offset	inches		1.5	1.5	1.5
dia.	inches	13	13	13	13
tire OD	mm	552.2	552.2	552.2	552.2
-Rear			Keizer Aluminum Wheel (10.6 pounds)	Keizer Aluminum Wheel (10.6 pounds)	Keizer Aluminum Wheel (10.6 pounds)
width	inches		7.5	7.5	7.5
backspacing	inches		5.26	5.26	5.26
offset	inches		1.1	1.1	1.1
dia.	inches	13	15	15	15
tire OD	mm	576.2	606	606	606
Other		Reinforced engine support with standard bushing, reinforced frame on T jonction, banks front suspension tubular wishbone, trailing mounted with spherical bearing, reinforced frame to support the transmission solid mounted, roll cage with 1 3/8 tube	Reinforced engine support with standard bushing, reinforced frame on T jonction, banks front suspension tubular wishbone, trailing mounted with spherical bearing, reinforced frame to support the transmission solid mounted, roll cage with 1 3/8 tube	Engine directly mounted, reinforced frame on T jonction, banks front suspension tubular wishbone, trailing mounted with spherical bearing, reinforced frame to support the transmission solid mounted, roll cage with 1 3/8 tube	Engine directly mounted, reinforced frame on T jonction, banks front suspension tubular wishbone, trailing mounted with spherical bearing, reinforced frame to support the transmission solid mounted, roll cage with 1 3/8 tube
WEIGHT & MEASURES					
Kerb weight					
measured	pounds	1465			
Estimated	pounds		1500	1600	1570
Fuel tank			ATL SP108 8 gallons, located in the front trunk	ATL SP108 8 gallons, located in the front trunk	ATL SP108 8 gallons, located in the front trunk
Weight distribution with driver 200#		47% F/53% R			
Front track	inches	55	55	55	55
Rear track	inches	57	57	58	58
Ground clearance	inches	3	3	3	3
PERFORMANCE					
Maximum speed	km/hr				
Acceleration					
-1/4 mile	sec				
speed	km/hr				
-0-60 mph	sec				
-1-60 mph	sec				
Brake					