

Maintenance

Engine

Timing	<u>34-35 deg</u>
Clearances	<u>7-9, 10-12</u>
Head Torque	<u>70 HS bolts</u>
Jets	<u></u>
Plugs	<u>BP9ES/N4 (summer)</u>
Gap	<u>30-35</u>

Fluids

Oil	<u>11/10 4.5Qt</u>
Filter	<u>WIX 51516</u>
Gearbox	<u>1/2010</u>
Rear End	<u>10/2010 (w/Quaife)</u>
Grease	<u>1/2010 steering and u-joints</u>
Coolant	<u>7/10</u>

Brakes

Fluid	<u>1/ 2010 Wilwood 570</u>
Pads	<u>2009 Pads Green Stuff</u>
Shoes	<u></u>

Battery

Technical Data

Transponder 1077797 orig wireless 363361 2nd wireless, 0793228 61 wired unit

Mylaps – Fawcett,

Measurements

(from Lotus Book)

oal	
whl base	
ft track	
r track	
width	
stock wt	
cvar measured wt	1817

A. Chassis

Corner Weights

With		
Driver		

Total Date?

Without	475	481
Driver	419	442

Total Date 1817 (2/2010)

Ride Height

Front		
Rear		

B. Body

Painted 12/2009. Green stripes NOT repainted

Seat Belts 1/2010 (purchased – chk manuf. Date)

C. Front Suspension

Camber – 1 deg (locked by strut tower brace)

Ball Joints –

Springs: stock, front cut 1 loop

Shocks: Rear Koni

Anti-roll bar: 1" dia, poly bushes

Bump Steer:

D. Rear Suspension

Lowered to "race height"

E. Engine

Maintenance

Wires 7/2010

25D rotor (EP41 napa, D570 o'r, D570P advance, Lucas DRB101C)

Distributor cap echep40 napa, O'r & advance c532

Rear crank seal NAK TGL 3.109 3.750 .438

Oil Temp 190-200 F (82-93C)

Pilot Bearing:

Block

Bore stock

Stroke stock

Volume 1588cc

Head

Valves

Head Height

Cams

Compression

				Consistent, but what? Re-measure!

Oil cooler bypass – aeroquip thermostat

Starter 9.5lbs

Lucas starter from Pegasus , sticker "thoroughbred 138147", flange "54243342 FR9", case "lucas 25345A 03 83 M35J"

Flywheel – stock

<http://www.lotus-cortina.com/library/block/blocks.htm>

F. Gearbox

1st	2.972
2nd	2.010
3rd	1.397
4th	1

(ratios from FIA papers)

Weight: 85.5lbs (7)

ft seal timken 471651 1.0625x1.624x.25

rear seal ford 71wg-7657-ba or 1498994 1-3/16x1-23/32x.5 or 30.16x43.64x12.7 or 1.187x1.718x.5

possilbe copy - skt 040476 type l12l sol

Front seal: gaco m1 106162 3/8

tail bushing ford 1499297 71wg7041ba

7 gearbox rear seal

timken 471651 1.062x1.624x.25

G. Hub/Wheel/Tires

Wheels 13x5.5 4.25 BC ? offset 7/16 studs

Bearings:

Front

Rear

Tires

Toyo 2010 ?

H. Steering

J. Brakes

Front – 9.6”

Rear – 9”x1.75”

Hoses – 2009 steel braided
Master Cylinder rebuilt 1/2010
Front Disc
Rear Drum

K. Cooling

Radiator – Griffin 251135-X
Hoses 7/2010
Belt -

L. Fuel

Tank 7.5 gal
Carbs
Venturi – 30mm
Chokes 1.575" (40 mm)
Intake O-rings - 40's:224

Jets: 1 2 3 4
Main 125
Air 175
Idle

Fuel Pump holley 12-807 rebuild kit
1/2010 new
Filters 1/2010 new
Throttle Cable

M. Electrics

Battery – 2009?

Ignition

Coil advance auto bosch vwoo-5370248
2/10 New
Distributor –
Cap 5/09
Rotor 5/09

O. Maintenance – see top

P. Clutch

Fluid – 2010 (bled since!)

Q. Final Drive

Quaife QDF5Z 22T (TTR NUMBER?)

75-90W Mobil 1

R. Exhaust

Side pipe

Headers ceramic coated

i. Contacts

Deleted for web

Engine PARTS

ACL mains std “race series” 5M2152H-STD “duraglide” (BAT) 5M742P-STD

CLEVITE mains race, std size, (Pegasus 1503-std) MS-742AL

15 OVER MAINS vandervell VPM91143

ACL rods std “race series” 4B603H-STD “duraglide” (BAT) 4B603P-STD

STD THRUST WASHERS ACL 1T113S-STD

Sump gasket set, rubber ends, NAPA OS30545 (Victor Reinz)

Cam bearings glacier vandervell STD VPC 941 SHS/3-711S C3037S

TWIN CAM CAM BEARINGS glacier vandervell std VPC970A C10001SA

TWINK CHAIN JWIS (or IWIS.COM) G67 WZ-8 120 GLD ENDL (1 ST) orig iwis p/n 50037136 KFZ

FLYWHEEL BOTLS (JEGS) ARP 206-2802

Rod bolts FF 1-3/4 ARP 200-6208 , Carrillo 1-1/2 ARP 200-6207