

2023GT

Restoration Work Summary:

Body: • Car painted blue sera, completed ~ NOV 2019
• Chrome trim: most exterior + interior trim re-plated chrome or nickel as per original specification. All rubber replaced.
• Interior: re-trimmed leather, carpet, headliner ~1990 & 2016-2020

Engine: Rebuilt, including all systems and ancillaries
Work completed ^{59,424km} ~ AUG 2021. Replaced: valves, pistons, bearings, etc. Clutch ass'y. rebuilt. Carburetors, cooling system, fuel pumps, distributors, etc. rebuilt

Chassis: Wheels rebuilt, gearbox re-sealed, hubs rebuilt + re-sealed, driveshaft, suspension re-lubed, etc.

Brake system: rebuilt, all lines, calipers, M.C. + booster

Steering box: rebuilt, new worm + peg

2023GT some PF body numbers found:

PF body no ^{job/} 29496 ^{job no.} , ^{body no} 146

glove box lid 496

A-pillar interior cover 496

door cap 96

console redcrayon 29497

gas door 496

inner fender pcs. 496

lwr. rad. pan 493

various interior parts 96 or 496

40DCL6 ^{1st} 590, ^{2nd} 792, ^{3rd} 673

eng interne ^{numero} 576F eng no. 2023GT, 128F

Marchal Stridor 3 60 305, 3 60

Steering box: ZF 816100153, 3826 2/60

wheels: RW3598

Gen box: 216F, 508F

Dif.: 246F, 508F 7x32

work done: (not in date order)

9/15 steering box:

new worm + peg (17:1 ratio)

seals top 24x37x7

lower 28x42⁵x8

oil 140 wt

trade red l 260mm C-C L+R

wheels, K/O torque 410 N-M (270-280 ft-lb)

9/15 carbs gone thru, cleaned

jets verified, per spec

floats set

venturi 25

main jet 160

m.j. holder -

choke 38-27

idle jet 60

air corr. jet 200

emuls. tube FG

acc. jet 60

starting jet 140

gearbox: 3 1/2 qt. Sta-Lube ^{API/GL4} Hypoid 85W90,
re-sealed

driveshaft: Sta-Lube Moly Graph

2.13.16 gas tank drained
old fuel clean; clear/yellow

9/16 brake components removed for rbl'd.

4/17 rr. axle seals replaced, input ^{orig. MIM4460} 44x60x10

3/17 frt. hub brgs removed for
replacement, inner & outer brgs replaced
front rotors/hubs 22 ft #
25 found outer 20x47x18 dbl row ball
SKF INNER 32x60x20 " " "

Moly-Graph M.P.E.P. grease

11/17 timing case: seal 26x47x10 (orig MIM 264
[Seals, brgs A/R]

brg 15x37x9 RIV 72AE, 20x42x12 (2q.)

3/18 engine at Morgan's shop

8/16 FISPA elec. fuel pump rebuilt,
new diaphragm: 3x0.4mm,
tested 3psi @ dead head

11/17 engine mounts (4) 88940512 replaced

6/19 gearbox seals replaced

O-ring 4x64 nitrile 70

frt. seal 30x52x10 TC nitrile

rr. seal 1.68x2.5x0.5 R21 nitrile 70 (inch)

7.21.18 Morgan's Machine work completed

7/18 Block painted

9/18 Distributors r/blt.

3-spring points

brgs. top & bottom replaced

8x22x7 6082 RSH top, 15x33x14 6220^{bottom} 24

X drives 49x3.54 (24) O-rings

10.24.18 Heads assembled by Mike Relfy
at Dan Marvin's shop; 24 seals
valve job, new valves, all tested,
new guides

7.16.18 Morgan's, engine, balanced all
rotating ass'y., crank + mains inst'd. by
Morgan's, rods mag'd + sized

0.0015-0.002" mains

crank oil plugs new steel

torques verified

8.5.18 Gearbox shift detent springs changed
(GTO Eng.)

10.16.18 pistons + rods instd per JE
ring instructions
330-type rod nuts T 35' #

10.31.18 heads torqued to 60 ft# in 10-20 in
to pattern. Re-torqued @ 24h (slight 4)

11.3.18 chain case (timing case) installed.
center hollow bolt 20 ft#
8mm bolts, studs 15 ft#

11.3.18 chain tensioner adj: 3 revs by hand

Valves - Cam timing with Dial Indicators
to spec. CS 16°, AA 27°

In duration meas. 110-16 = 94°

EX dur. meas. 117½-20 = 98°

Reset:

#	1 IN	open (roller stepped)	25° BTDC	FINAL
	1 EX	close (roller free)	12° ATDC	
	7 IN	open	26° BTDC	FINAL
	7 EX	close	17° ATDC	

clutch cover 30' #

cam chain wheel 20' #

11.8.18 Oil pp. suc. hose (new) inst'd

Ideal 63200 all 300 S/S marine grade clamp
safety wired, 25" #

Main caps 45" #

Sump-lwr, 60" #

Cam covers 60" #

11.24.18 Clutch assy. inst'd. New semi-custo
bolts + washers (Morgans) T. 26" #

1.3.19 FIRST START POST REBUILD
(Had 1st start prior to rebuild ~ 1/18)

6/17 Chassis cleaned, painted A/R

Any body/chassis rust acid treated + primed/pa

7/17 Brake calipers (^{sleeved,} Rebuilt, plated cad.) instal
torqued (various).

M.C. (sleeved, rebuilt) inst'd.

New hoses + pipes inst'd. (exc. frt. cal. blind
pipes to flex hoses).

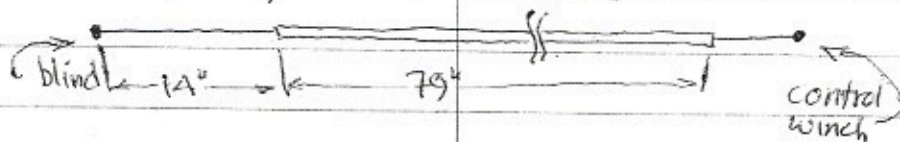
8/17 Radiator tested. One leak soldered → OK.

Pres. test OK. Heater core tested → OK.

Rad. Blind Control Cable: as-found:

bicycle cable OAL 96" OD 1.5mm

black plastic/steel flex sheath or jacket OD 5mm



9/17 leak check cooling system → OK

fuel system → OK

oil system → OK

11.13.17 eng. disassembled after run testing,

6, 7 rings frozen, not broken.

man # 1 2.360" (STD)

rod, pin. 1/12 1.625" (STD)

bore 73mm (STD)

11.14.17 heads to Dan Marvin / Mike Reilly

Dan: heads are best he's seen in a long time. Orig. guides (+ seats). Possibly one light valve job. Old-style taper-lock valve

11.18.17 block, crank, rods + pistons, etc. to Tim Morgan.

11.21.17 Water pump to Dennis E. & Dan for repairs.

2.11.18 Hoodaille checks drained, flushed, filled Mobil SHC 630 ISO VG220

rebuild #1 58,812 1st eng. start 1.3.19

rebuild #2 59,424 1st eng. start 5.9.21 (rings changed)

Spark plugs NGK B6ES 0.025" gap

or (hotter) B5ES (currently instd.)

Pirelli C67 175HR400 24F/28R PSI

Fanbelt: Conti SF AVX 10X950L2

idle jets instd.: 0.060

main jets instd.: 160

eng. oil: Valvoline VR1 20-50 or ^{20W-50 (current)} Castrol GTX

strg. box: 140W Sta-Lube

gear box: 85W90 Sta-Lube

chassis : Moly Graph Sta-Lube

body : white grease

5/18 engine fan:

brg. (2)	6202RS	replaced
seal	3242/7	"
seal	2542/6	"

water pump:

seal 19x32x7

brg. 15x37x9

timing case:

⁹⁸²⁰²
brg 15x37x9 q1

⁶⁰⁰⁴
brg 20x42x12 q2

seal 26x47x10

gearbox

rear seal 168x250x16 (INCH)

front seal 30x52x10

eng. castings painted - Hirsch Silver Eng. Paint

eng. mounts RIV 88930512 (~~XXXXXX~~ Ag-)

eng. assembled with 1211

1.3.19 First start post-rebuild #1 58,812 km

→ proceed to body & interior work.

→ Various tests, drives

1.21.21 Remove engine and strip to block/crank to prepare for new rings.

2.12.21 New rings prepared, gapped to cyl.

4.29.21 Eng. re-assembled.

heads to 60' # in steps. New hd. gskts - Flatout (dry). (Cam timing on marks as done 2018)

Some sealing with 1194 3-Bond + gskt.

Eng. inst'd. Gearbox, rad, etc. inst'd.

5.9.21 First start post-rebuild #2 59,424 km

As before, BR40 break-in oil inst'd. for short term.

5/21 60,165 km re-align front end to zero ± 2 mm.

7.2.21 Strg. box rebuild. New worm + peg 17:1

140W Sta Lube 400 ml.

7.4.21 Alignment re-verified

6.14.21 Cam + Chain covers removed to verify timing marks, vlv. clearances, head nut torque.

5/22 Mech fuel pump 150 rebuilt, adjusted.

7.20.22 Oil Δ to Castrol GTX Classic 20W50

7.26.22 Car cleaned for Monterey, Concorso Italiano
body waxed - Maguire's Deep Crystal Carnauba 2216
chrome, glass waxed - Turtle Wax
leather - Lexol