



Looxor

TECHNICAL NETWORK LEADERSHIP

50 cc CDI

Datasheet

Reference : 754713

GENERAL CHARACTERISTICS :

SPECIFICATIONS :

Company name : Looxor 50 cc

Mines type ** : B1AAAA

(** official French body responsible for regulating weights and measures and changes made to motor vehicles)

DIMENSIONS (in mm) :

Length : 1925

Width : 716

Height (without rear-view mirrors) : 1126

Ground clearance : 130

Wheel base : 1311

WEIGHT (in kg) :

Laden weight : 100

STEERING :

Steering column mounted with ball-bearing cone and cup.

CAPACITIES (in litres) and RECOMMENDATIONS :

Fuel tank (including reserve) : 8 : super unleaded petrol 95 or 98 only.

Oil sump : 1,2 : semi synthetic or synthetic for two stroke engines with separate oiling. Complies with API TC or JASO FC standards.

Crankcase : *

Cooling system : *

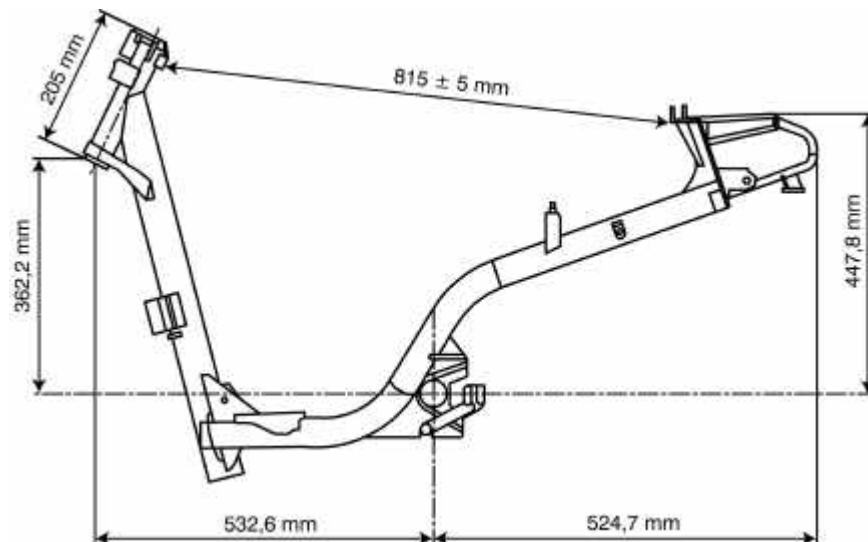
Relay box : 0,12 . SAE 80W90

Fork : 0,07 per tube (ESSO UNIVIS 46 or AGIP H LIFT 46)

Braking circuit : DOT 4

LUBRICATION :

Separate lubrication by piston pump, either variable delivery synchronised with the throttle grip, or constant delivery (depending on model). Driven by hobbed pinion on the right shank of the crankshaft. The oil is injected directly into the carburettor.



* : Not completed

COOLING :

By air circulation forced by a turbine fixed on the rotor of the flywheel magneto.

ENGINE :

2 stroke single-cylinder catalysed.

Direct intake via reed valve into the crankcase.

Scavenging by 5 transfers.

Cylinder capacity : 49,1 cm³

Bore 1 shore : 40 x 39,1

Max power : 2,9 kW

Max power rating : 6500 rpm

Max torque rating : 5600 rpm

TRANSMISSION :

By 2 variable pulleys and V-type belt. 6-roller type drive pulley mounted on the left shank of the crankshaft. Fixed flange of the pulley equipped with cooling fins to cool the belt.

Driven/centrifugal 3-block lined clutch pulley mounted on the end of the relay box input shaft.

RELAY BOX :

By shaft and pinions. Double set of pinions.

- 1st gear teeth set : helical.
- 2nd gear teeth set : straight.

SUSPENSION :

Front suspension type : hydraulic telescopic fork.

Travel : 90 mm

Rear suspension type : combined hydraulic spring-shock absorber.

Travel : 80 mm

FRONT BRAKE :

Single disc type, hydraulic control.

Diameter of the brake piston : 32 mm

Disc diameter and thickness : 226 – 4 mm

Mini thickness : 3 mm

Diameter of the master-cylinder : 11 mm

REAR BRAKE (depending on model) :

Single cam drum type controlled by cable.

Brake drum diameter : 110 mm

Brake lining thickness : 3 mm or 3,8 mm (according to supplier).

WHEELS AND TYRES :

Integral aluminium wheels and tubeless tyres.

	Front	Rear
Rim dimensions :	1,85" x 16"	2,5" x 16"
Tyres dimensions :	80/80 - 16	100/70 - 16
Pressures (bar) :	1,8	2
Maxi wheel disc :	*	*
Balance :	*	*

TIGHTENING TORQUES (Nm) :

ENGINE :

Cylinder head : 12 to 15

Exhaust mounting on the cylinder : 15 to 18

Crankcase : 8 to 12

Spark plug : 20

CYCLE PART :

Engine mounting on connecting rod : 60 to 70

Front wheel : 60 to 70

Upper nut on the steering column : 70 to 80

Rear wheel : 100 to 120

Shock-absorber mounting rear, upper : 43 to 50

Inner : 20 to 25

Front brake calliper : 25 to 35

Front brake disc : 27 to 32

ADJUSTMENTS AND CHECKS :

CYLINDER / PISTON :

Ring gap clearance.

Upper : 0,2 to 0,35 mm

Lower : 0,2 to 0,35 mm

CONNECTING ROD / CRANKSHAFT :

Crankshaft run-out : 0,12 mm

CARBURATION :

Carburettor.

Make : type : GURTNER PA

Adjustment : 358

Main jet : 52

Idle jet : 36

Needle (type and adjustment step) : L 3035F

Starter jet : 50

Mixture screw : 1 rev 1/2

Idle adjustment : 1800 rpm \pm 200

CO² % adjustment : *

IGNITION :

Ignition unit : CDI
Spark plug : NGK BR7HS or EYQUEM R850
Electrode gap : 0,6 to 0,7 mm
Ignition advance : variable
Ignition coil : TEC MP11 or T11C X7A
Primary winding resistance : $0,26\Omega \pm 20 \%$
Secondary winding resistance : $3 \text{ k}\Omega \pm 20 \%$
Spark plug cap resistance : $5 \text{ k}\Omega \pm 10 \%$
Pick-up resistance : $120\Omega \pm 10 \%$

ELECTRICAL EQUIPMENT :

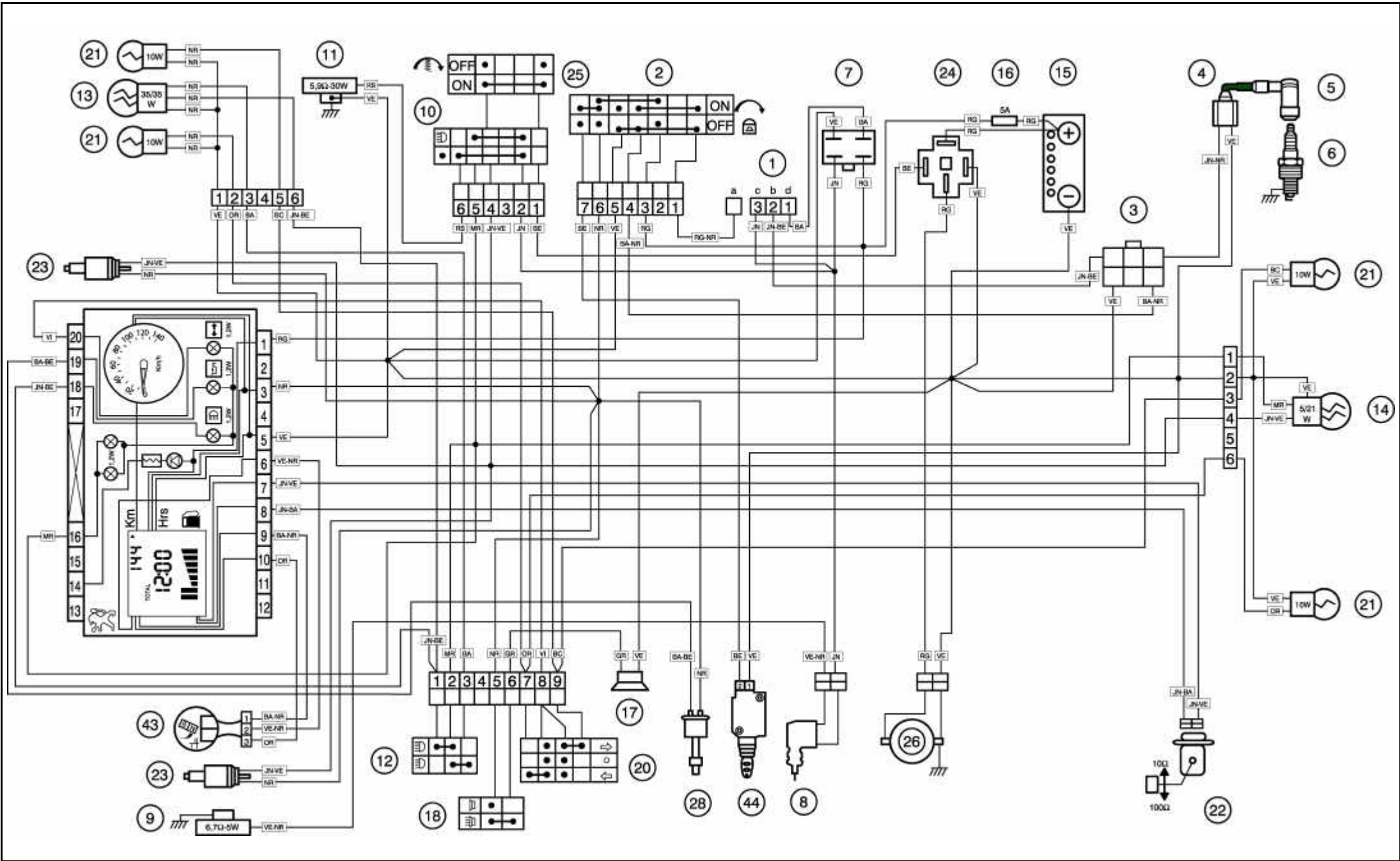
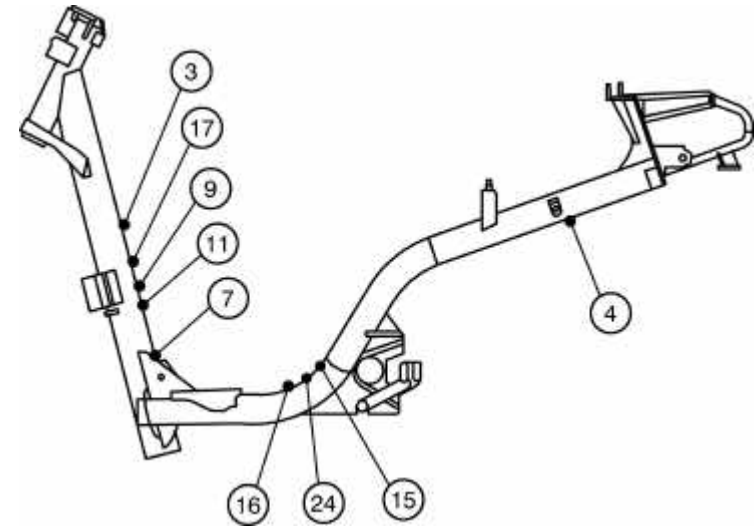
Current generator (type and power) : GF4 – 276 – 55W
Make : MITSUBA
Stator resistance : yellow wire $0,6\Omega \pm 25 \%$ -
white wire $0,7\Omega \pm 25 \%$
Battery regulation voltage : $14,5 \pm 0,5\text{V}$
Battery (type and capacity) : YB4LB 12V 4Ah
Lighting voltage : alternating current regulation at : $13,1 \pm 0,5 \text{ V}$

STARTER :

Power and type : 150W SM 10254
Make : MITSUBA

LIGHTING AND FUSES :

	Quantity	Power
Headlamp (code light) :	1	12V - 35/35W
Rear stop lamp :	1	12V - 21/5W
Indicator lamps :	4	12V - 10W
Number plate lightning :	*	*
Dash board lighting :	2	12V - 1,2W
Instrument panel indicator lamps :	3	12V - 1,2W
Main fuse :	1	5A
Signalling fuse :	*	*
"Side light" bulb :	*	*



A Instrument panel lightning
B Main beam control
C Oil level warning light
D Indicator control light
E Fuel gauge
F LED "Anti theft device"
G Temperature gauge
H Warning light "Reserve"
J Oil pressure warning light

1) Generator
a : Ignition coil (inner)
b : Pickup
c : Alternating current
d : Battery charge current
2) Ignition switch
3) CDI unit
4) Ignition coil (High voltage)
5) Spark plug socket (resistive) $5 \text{ k}\Omega$
6) Spark plug (resistive) $5 \text{ k}\Omega$

7) Regulator, rectifier
(A) : Regulator AC
(B) : (Regulator) rectifier DC
8) Automatic choke
9) Resistor (in line with choke)
 $6,7\Omega - 5\text{W}$
10) Light switch
11) Resistor (parallel to lightning)
 $5,9\Omega - 30\text{W}$
12) Dip switch (main/low headlight)
13) Headlight
14) Stop /tail light
15) Battery
16) Fuse
17) Horn
18) Horn switch
19) Indicator relay
20) Indicator switch
21) Indicator bulb
22) Fuel gauge pickup

23) Stop light switch
24) Starter relay
25) Starter switch
26) Starter motor
28) Oil level switch
29) Temperature sensor
30) Immobilizer
31) Antenna for anti-theft device
32) "Side light" bulb
33) Number plate light
35) Emergency switch (ignition)
37) Oil pressure switch
38) Cooling fan
39) Thermo-switch cooling fan
40) Electrical carburettor heating
41) Power supply unit
42) Switch "Reserve"
43) Speed sensor
44) Saddle actuator

BA : White
BA-BE : White/Blue
BA-NR : White/Black
BC : Light blue
BE : Blue
GR : Grey
JN : Yellow
JN-BA : Yellow/White
JN-BE : Yellow/Blue
JN-NR : Yellow/Black
JN-VE : Yellow/Green
MR : Brown
NR : Black
OR : Orange
RG : Red
RG-NR : Red/Black
RS : Pink
VE : Green
VE-NR : Green/Black
VI : White