

125 miles

LAZER

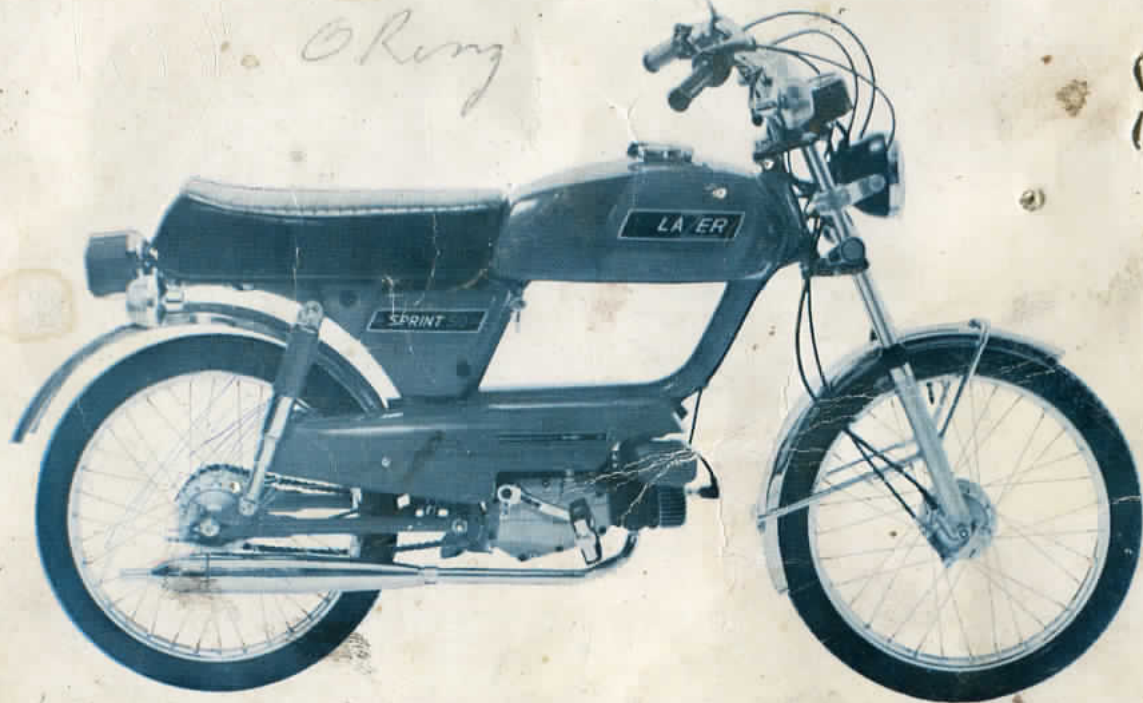
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SPRINT 50

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1977

Plamvil Conn

10288 + 747-5555

Moped

OWNER'S MANUAL

1977

LAZER

SPORT 50

OWNER'S MANUAL

Please take a few minutes to read this booklet so that you will understand the operation of your Sprint 50. The instructions given here should be followed closely so as to provide you with the best performance.

For service when required, we suggest you visit our dealers who are well trained and are stocking original spare parts.

Thank you for your purchasing LAZER Sprint 50. Happy and safe riding!



Transamerican Industries, Inc.
Recreation Road, Poughquag, New York 12570 (914) 223-5131

516,

MAJOR SPECIFICATIONS

- Engine:** 49.6 cc Minarelli V1, single cylinder, 2-stroke with forced cooling
- Horsepower:** 1.00/1.27/1.50/2.00 According to State Regulations
- Fuel Mixture:** Petrol - 40 to 1 with synthetic oil or recommended ratio on can, if different; or 20 to 1 with organic oil SAE 30
- Lubrication:** SAE 20 oil
- Spark Plugs:** BOSCH W145 T1
MARELLI CW 5N
CHAMPION L86
NGK - B 5HS
- Lighting System:** GE 4667 head light 6.4V-18W, Stanley tail light 6V-5.4W, supported by lighting coil brake light 6V-25W, reinforced by 6V-3W $\times 2$, turn

split fire SF 265F
AutoLite 275

signals front 6V-8W \times 2, rear 6V-10W \times 2, horn 1A, supported by 6V
N2-2A battery

Tire: 2 $\frac{1}{4}$ \times 17, 28 P.S.I. Front, 30 P.S.I. Rear recommended

Gas Tank Capacity: U.S. 1 $\frac{3}{4}$ Gallon

Overall Length: 66.9"

Overall Width: 26.8"

Overall Height: 40.2"

Wheel Base: 43.3"

Tool Kit: Double end wrench - 17mm & 14mm

Double end wrench - 12mm & 10mm

Allen wrench - 5mm

Screw driver- "-" & "+"

Spark plug wrench

STARTING SUGGESTIONS

Please inquire your dealer who will demonstrate both starting methods to you, including safe riding instructions.

A. To Start on the Stand:

Have the moped resting on center stand.

Ensure fuel cock under the tank is on and switch the engine stop to RUN position.

If the engine is cold, move choke lever (located front part of right engine cover) down toward engine. Then, rotate pedal to top position as a kick starter.

At the same time:

1. squeeze clutch lever on left handlebar
2. rotate the throttle control $\frac{1}{4}$ turn
3. when the engine has started, release clutch

B. To Start by Pedalling:

Ride Sprint 50 by pedalling like a normal bicycle.

When it has reached a speed of 5-8 m.p.h.

1. squeeze clutch lever
2. rotate the throttle control $\frac{1}{4}$ turn
3. when the engine starts, release clutch
4. accelerate more by turning throttle control to drive off.

C. Engine Will Not Start Because:

1. Fuel is not reaching carburetor. Check:
 - a. fuel cock in OFF position
 - b. fuel tank is empty
 - c. fuel tank vent is blocked
 - d. fuel line is clogged or pinched

- e. carburetor is dirty (check idle jet)
- 2. Engine is not getting spark. Check:
 - a. make sure spark plug is clean
 - b. check gap for proper distance which is .024 in.
 - c. make sure plug is not cracked and is producing a spark
 - d. Ground plug to engine and attempt to start — spark should jump from plug to engine. If no spark, change plug and repeat procedure.

STOPPING THE ENGINE

To stop the engine, close the throttle and push the ENGINE STOP switch to OFF position.

When the moped is not in use for prolonged period, switch the fuel shut-off valve to OFF position.

RUNNING IN A NEW MACHINE

The running-in has a vital effect on the satisfactory operation, the power and the life of the engine:

- Do not race the engine to the limit for the first 300 miles.
- Do not climb steep hills.
- Do not over-heat the engine, especially in hot weather.
- Do not use a fuel/oil mixture of less than what is instructed.
- Change lubrication as shown in the maintenance schedule.

ADJUSTMENT

Chain: To allow a $\frac{3}{4}$ inch slack in the drive.

Brakes: The levels should have only $\frac{1}{2}$ inch of free play between tip of lever and

tip of handlebar.

Throttle: Engagement is to be felt after 1/8 inch movement of grip.

Clutch: There should be $\frac{1}{2}$ inch of free play at end of clutch lever before the clutch begins to disengage.

MAINTENANCE

Lubrication

Both the clutch and the transmission are lubricated by means of an oil bath. Periodically, the oil level should be checked.

To determine that the oil in the crank case is at the proper level, remove the screw in the right crank case. When the screw is removed, oil will spill out if the oil level is normal.

To change oil, remove the screw located under the engine on the right side. The engine

should be warm to allow the oil to drain freely.

Change oil after the first 150 miles and afterwards, every 1,500 miles.

Spark Plug

Remove the spark plug every 1,500 miles, clean it with a wire brush and check the setting of the electrodes. In case of a defective plug, replace it by one of the following types that we recommend:

BOSCH - W145 T1

MARELLI CW 5N

NGK - B6HS

CHAMPION - L86

Split Fire SF265F

Auto Lite 275

Tire Pressure

Check the tire pressure once a month. The pressure has a great influence on the wear, the road holding and the braking.

Frame

The quality of the chromium plating and of the enamel paints used on our mopeds is of excellent quality. To keep clean, use available polish-wax & cleaners.

Battery

Check the wet battery inside the left side cover once in a while. If the liquid inside the battery is getting less than the LOWEST level, fill with pure water not exceeding HIGHEST level. Examine from either right or left side to see that water in the 3 sinks are in the same level.

Make sure the rubber strap of battery does not restrict battery air vent hose on the left side of battery.

The battery will be charged automatically so long as the engine runs.

Chain

Wash the chain with solvent and lubricate it with oil or chain grease periodically.

Lack of proper lubrication will cause stiff chain links and result in unusual sprocket wear.

IMPORTANT

- Avoid getting any oil or grease into the brake drums.
- Do not change your original exhaust system.
- Leave the anti-interference device on the flywheel where it is.
- Use only a motor fuel of the highest quality in the right quantity.
- To maintain warranty LAZER mopeds must be serviced exclusively by a LAZER agent. It is his job to know every little aspect of the moped. He stocks genuine LAZER spare parts and has special LAZER equipments.
- Keep the moped clean to maintain the normal operation of the machine.
- Check the spark plug first whenever there is problem with the engine.

MAINTENANCE SCHEDULE

MAINTENANCE SCHEDULE		INITIAL SERVICE PERIOD	REGULAR SERVICE PERIOD				
This maintenance schedule is based upon average riding conditions. Machines subjected to severe use, or ridden in unusually dusty areas, require more frequent servicing.			Perform at every indicated month or mileage interval, whichever occurs first.				
		Month		1	3	6	12
		Mile	150	500	1,500	3,000	6,000
ENGINE OIL — Change (600 gr. — SAE 20-30)		●		○			
SPARK PLUG — Clean and adjust gap or replace if necessary. .024				○	○		
* CONTACT POINTS AND IGNITION TIMING — Clean, check, and adjust or replace if necessary.		●			○		
AIR FILTER ELEMENT — Clean and oil		(service more frequently if operated in dusty areas.) ○					
* CARBURETOR — Check, and adjust if necessary.		●			○		
THROTTLE OPERATION — Inspect cable. Check, and adjust free play.		●			○		
FUEL FILTER SCREEN — Is held by screw and it should be tightened after 100 miles.					○		
FUEL LINES — Check. This is part of break in job.					○		
DRIVE CHAIN — Check, lubricate, and adjust if necessary.		●	○				
* BRAKE SHOES — Inspect, and replace if worn.					○		
BRAKE CONTROL LINKAGE — Check linkage, and adjust free play if necessary.		●			○		
* WHEEL RIMS AND SPOKES — Check. Tighten spokes and true wheels, if necessary.		●					
TIRES — Inspect and check air pressure.		●	○				
FRONT AND REAR SUSPENSION — Check operation.		●			○		
REAR FORK BUSHING — Grease, check for excessive looseness.					○		
* STEERING HEAD BEARINGS — Adjust.		●				○	
LIGHTING EQUIPMENT — Check and adjust if necessary.		●	○				
ALL NUTS, BOLTS AND OTHER FASTENERS — Check security and tighten if necessary.		●	○				

Items marked * should be serviced by an authorized LAZER dealer, unless the owner has proper tool and is mechanically proficient. Other maintenance items are simple to perform and may be serviced by the owner.