



# ***OWNERS MANUAL***

## ***Two Stroke Dirt Bike***

Distributed by SSR Motorsports

Address: 12825 Alondra Blvd, Norwalk CA 90650\_

[www.ssrmotorsports.com](http://www.ssrmotorsports.com)

Please note that this is a general manual. The model of the vehicle you have may differ from the picture shown in this manual.

## Instructions

Please read this owner's manual carefully before using this product! This is very important!

It's required for driver's safety and vehicle's maintenance!

***If the rider is without safety awareness or driving experiences, please drive under the adult's supervision! This is most important! It's very important for your safety.***

***This product is recommended for riders of 12 years old or over.***

***Do not lend the vehicle to others who don't know how to operate.***

***Please observe all local law and regulations.***

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### ***Safety warning***

1. This vehicle is not a toy.
2. Children must be trained before operating this vehicle.
3. Be sure of children's ability to avoid injury. This is very important.
4. Children must understand the manual and the importance of warnings in the manual.
5. User must read the owner's manual carefully and understand the content of the manual.
6. Incorrect operation of this off road two-wheel vehicle will result in serious injury or even death.

### ***7. Age limit warning.(See label on the vehicle)***

8. This product is not intended for ON-ROAD use.
9. Never ride with more than one person.
10. Never attempt to operate this vehicle while under the influence of alcohol or drugs, avoid injury or death.
11. Please control the speed, do not drive at excessive speeds.
12. Do not allow the vehicle to be used while being serviced.
13. Inspect the vehicle's condition before operating.
14. Do not modify the vehicle or change the parts. This is can be unsafe.
15. Before riding, please wear proper safety gear at all times.
- 16 It is necessary to receive training from your retailer to learn the operation of the vehicle.
17. Know your local laws and regulations of off road two-wheel vehicles prior to riding. This may be obtained from your retailer.
18. After using the vehicle for long periods of time the muffler will become very hot and will burn you if not careful.
19. Although the vehicle is designed with safety measures, Injury can still arise.

### ***Please read the warning labels on the vehicle carefully, and understand them fully.***

1. Warning/caution label includes important safety information.
2. User must understand the content of labels completely.
3. Make sure all labels are put on the vehicles at time of assembly.
4. When the labels are not clear or fall off, please ask your retailer for replacements to ensure the integrity of all the labels.

### ***Assembling guide***

1. Place the packing box on the flat ground, then open it.(with the scissors or cutter)
2. Use 10# open-end wrench and 6# Allen wrench to take apart the packing metal.for non- iron cage packed models, this step is not applicable

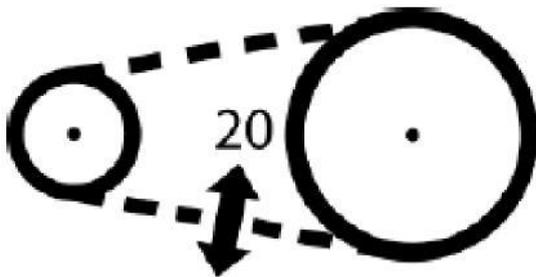
**1st step:** Please install the rear shock absorber, and tighten nuts on both sides with 25N.m force.

**2nd step:** Please install the front tire (make sure the tread pattern and cycle valve outside), and tighten the nuts with force between 35N.m ~ 45N.m.

**3rd step:** Please install the handlebar (adjust to proper angles), and tighten the nuts with force between 15N.m ~ 25N.m.

**If you fail to understand the instructions, please contact your local retailer and get proper guidance.**

**Adjust the Chain:** Use your index finger. Press lightly in the middle position between power output sprocket and rear sprocket. The ideal adjustment should be 15mm to 20mm when pressed. If it is not in this range, please adjust the chain adjuster. (Please note: The chain adjuster should be adjusted at the same time to ensure the balance of both side). Loosen the fasten nuts of chain adjuster first, and then unscrew or screw nuts to be best position. Finally, tighten the nuts of chain adjuster.



### **Emergency kill switch**

The switch is located on the left side of the handlebar. Pull or press down on the switch and the engine will be stopped.



**Kill Switch**

The emergency rope can be fastened to the rider in case there is an emergency. The vehicle will stop automatically when the rider pulls the rope.



**Speed Limiter**

The speed limiter is located on the right side of the handlebar, the speed will be limited to Two-thirds of the normal speed.

## **Tire gauge**

The proper tire pressure can provide the maximum stability and performance. Check and adjust the tire pressure regularly, to make sure the pressure is correct.

**To find the tire size and standard pressure, please check parameter list and warning label on the vehicle. To find the “Load-bearing” and “speed grade”, please check the tire surface.**

1. Check tire pressure and condition before riding. Please replace the tire if there are any of the following conditions: broken, stabbing or rim is out of shape. **(Please seek assistance from qualified technician or local retailer for replacement.)**

2. Improper tire pressure will result in hazards. Over the standard pressure can cause a flat tire. Lower than the standard pressure can cause tire relaxation or even dropping, and resulting in loss of control of the vehicle.

3. When the tire-tread wear is over 2mm, please replace with a new tire. **(Please seek assistance from qualified technician or local retailer for replacement.)**

## **Operating**

### **Inspection before riding**

#### **Idling inspection**

1. Stabilize the vehicle and make sure it moves normally and without interference.
2. Check whether the rear shock absorber is deformed or leaking.
3. Hold the vehicle when checking.
4. Repair and replace parts when worn or broken.
5. Contact your local retailer if you are unable to resolve any issues.

#### **Front brake inspection**

Check whether the front brakes are firm, the braking effect is valid.

1. Front brake handle is mounted on the right side of the handlebars.
2. Check if the tire rotation is good after releasing the brake lever
3. Contact the retailer if brake maintenance is needed.
4. The front brake lever has a parking feature as well. Use it when parking.

#### **Rear brake inspection**

Check whether the rear brakes are firm, the braking effect is valid.

1. The rear brake is mounted on the left side of the handlebars, or on the right foot.
2. Release the brake lever or foot brake lever quickly and check if the tire rotation is good when the pressure is released.
3. Contact the retailer if brake maintenance is needed.
4. Inspect the brake shoe regularly, and replace if brake pads are worn.
5. The rear brake lever has a parking feature as well. Use it when parking.

### ***Tool bag inspection***

Check whether tool bag is taken every time before riding.

The tool bag is equipped with some professional tools. You can use them when needed.

### ***Self-protection inspection***

Self-protection inspection is to help ensure a safe and fun riding experience. Please wear the proper protective clothing to ensure your safety.

***Protective clothing consists of these parts below:***



Every check and inspection step above is necessary. Danger exists when riding. Please conform to the above process before riding and operating this vehicle. The warning label on the surface of the vehicle includes important safety information. User must fully understand. This vehicle may cause extreme injury and could even lead to death if the above mentioned procedure is not followed.

### ***Starting***

Following the steps below to start the engine:

1. Park the vehicle on the flat surface.
2. If the engine doesn't start, please open the choke valve first. Try again. Close the choke valve, when the engine runs steady.
3. At the beginning, turn the throttle slowly.

### ***Training***

If you don't understand the information, please contact your local retailer to learn from a local professional institution or the retailer.

How you operate the vehicle in the first 2 weeks may affect the vehicle future performance.

During this period, do not run the vehicle at full throttle.

After training period, maintain the vehicle according to maintenance. Keep the vehicle in good condition.

Training is necessary. Improper operation will result in damage to the vehicle and can result in serious injuries and death.

If the rider has no safety awareness or riding experience, please operate the vehicle under the supervision of an adult.

### ***Riding***

Before operating, please review the safety operating information.

1. Pay attention to the brakes working condition at all times.
2. Riding with only one hand is dangerous and forbidden.
3. Turn the throttle slowly. Never turn it suddenly.
4. Release the throttle and use the brake, to make it slow down.
5. Make sure both the front brake and the rear brake work at the same time when braking.

6. Do not make dangerous movements while riding to ensure safety.

### ***Parking***

1. Turn back the throttle and brake at the same time.
2. Parking function is recommended to avoid sliding.

### ***Cleaning***

After every ride, the rider should clean the vehicle. Always place the vehicle on flat surface to clean, and then check.

1. High pressure air or water will harm the vehicle.
2. Chain should be always lube with chain lubricate.

### ***Storage***

The performance will be reduced if you do not use vehicle for a long time and properly prepare the vehicle. Before storage, vehicle must be checked to ensure it is in a good condition.

1. Clean the vehicle, and then wax its surface.
2. Clean the chain, and then lubricate it.
3. Lubricate all the cable parts.
4. Drain fuel from carburetor.
5. Place the vehicle well-packed in a cool ventilated place to avoid damp and sun exposure.

### ***Transport***

Transporting the vehicle

1. Ensure the vehicle is well protected.
2. Ensure the vehicle is secured properly.
3. Handle with care.

### ***Delivery***

Delivery of the vehicle

1. Ensure the vehicle is placed properly. Do not turn it upside down or lay it on its side.
2. Ensure the vehicle is secured properly.
3. Handling with care.

### ***Maintenance***

If you do not understand the information please contact local retailer.

Necessary maintenance is the important to keep the vehicle in good condition. Please maintain the vehicle according to list.

**Engine maintenance: After every riding, please close the switch of carburetor and fuel. Release the fuel. This is very important. If you don't do it accordingly, the vehicle will not be easy to start after it has been placed for a long time, or carburetor will leak.**

Maintenance list (Please operate according to maintenance list)

I: Inspection, Maintenance or lubricant replacement C: Cleaning L: Add lubricant

	After every ride	30days after driving	Each year
Fuel System	I	I&C	
Throttle	I	I	
Air filter	I&C	After every ride	After every ride
spark plug	I	I	
carburetor	I	I&C	
chain	I&L	I&L	
Brake pads	I		
brake system	I	I	I
Nuts and bolts	I	I	
Tire	I	I	I
Steering system	I		I
suspension system	I	I	I
Battery (if available)		I	

**WARNING**

1. READ THE INSTRUCTION MANUAL BEFORE RIDING.
2. RECOMMENDED FOR YOUNGSTERS OF 12 YEARS AND OVER.
3. OFF ROAD USE ONLY.
4. ALWAYS WEAR PROTECTION WHEN RIDING.
5. OPERATOR ONLY. NO PASSENGERS.
6. OPERATOR SHOULD CONTROL SPEED. SHOULD NOT RIDE TOO FAST.
7. DO NOT OPERATE THIS VEHICLE AFTER CONSUMING ALCO-HOL OR DRUGS.

• OFF ROAD USE ONLY •

**WARNING**

Please use unleaded gasoline + two cycle lubricant (mixture ratio 25:1)  
Stop the engine when filling gasoline to avoid the fire and explosion.



PRODUCT NAME	DIRT BIKE	PRODUCT MODEL	SX50
LENGTH X WIDTH X HEIGHT (mm)	1200x600x810	ENGINE MODEL	1E44F-6
AXLE BASE (mm)	820	BORExSTROKES	44.015×33±0.06
WHEEL BASE (mm)	/	DISPLACEMENT (ml)	50.53
MIN GROUND CLEARANCE (mm)	190	COMPRESSION RATE	8:1
TURNING CIRCLE DIAMETER (mm)	2900	UNLOADING AND ROTATE SPEED(r/min)	2800±150
DRY WEIGHT (kg)	21	RATED POWER Kw (r/min)	1.4/7000
THE WEIGHT OF FULL FURNISHMENT (Kg)	22	MAXIMUM TORQUE N.m (r/min)	2.2/5500
RATED LOAD QUALITY (kg)	25	CARBURETOR TYPE	H117A FLOAT (PLUNGER)
MAXIMUM SPEED (Km/h)	40	CLUTH TYPE	AUTOMATIC CENTRIFUGAL
OIL TANK CAPACITY (L)	1.7	SPARK PLUG TYPE	BM6A
FRONT/REAR SHOCK ABSORBER TYPE	SPRING	MUFFLER TYPE	IMPEDANCE COMPOUND MUFFLER
FRONT/REAR BRAKE TYPE	DISC BRAKE	STARTING MODE	PULL START
FRONT/REAR BRAKE OPERATION MODE	BY HAND	IGNITION MODE	NONE-TOUCH MAGNETIC CONTROL

FRONT/REAR TIRE SPECIFICATION	2.50—10	DRIVE MODE	CHAIN DRIVE
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FRONT/REAR TIRE PRESSURE	248	LUBRICATION MODE	PETROL MIXED LUBRICATE
FRONT/REAR RIM TYPE	ALLOY RIM	COOLING MODE	AIR-COOLED
HEADLIGHT SPECIFICATION	/	FUEL GRADE	91#
PRIMARY REDUCTION RATIO	3.20	MIXTURE RATIO OF FUEL & LUBRICANT OIL	1:25
FINAL REDUCTION RATIO	4.91	LWA dB(A)	78
DRIVE RATIO	15.71	VIBRATION(m/s <sup>2</sup> )	1.0

**CIRCUIT DIAGRAM**

