



Owner's manual for DINLI ATV 50 ~110 cc

I. Preface

Dear Dinli ATV users:

Before the delivery of each new vehicle from Dinli factory, the fuel in carburetor is drained off to ensure the excellent performance and safety of the vehicle. Therefore, when first starting a new vehicle, it is normal to take 20~30 seconds. The quality of each Dinli ATV is guaranteed. Study this manual thoroughly and enjoy your riding Dinli ATV.



II. INTRODUCTION

Dear Users:

Congratulations on your purchase of DINLI ATV. It represents the result of many years of Dinli experience in the production of fine machines. You can now appreciate our craftsmanship and reliability of the masterpieces.

This manual will provide you with a good basic understanding of the features and operation of this machine. This manual includes important safety information. Fail to follow the warnings contained in this manual can result in serious injury or death. This manual describes the correct operation methods, inspection and maintenance procedures for Dinli ATV in details in order to prolong the service life and provide you with a comfortable riding experience.

Please note that the information and illustrations included in this manual may be different from the vehicle in case specifications are changed.

To have a safe and comfortable riding Dinli ATV, we recommend you to read this manual clearly and follow the directions to operate the vehicle properly.

III. MPORTANT SAFETY MESSAGE

- * Read this manual clearly and completely before operating your machine. Make sure you understand all instructions.
 - * Pay close attention to the warning and caution labels on the machine.
 - * Never operate Dinli ATV without proper training or instruction.
 - * Always wear helmet and eye protection while operating any ATV.
 - * the vehicle **without homologation is designed for U.S.A market** for operator only, never ride with passenger.
 - * The **vehicle with homologation** complies with all applicable CE directives of Europe homologation in effect at the time of manufacture. You should check your local riding laws and regulations before operating this machine.
- When starting the engine, the battery must be installed to facilitate starting and increase the engine performance.

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1. LOCATION OF THE WARNING AND SPECIFICATION LABELS

Read and understand all of the labels on your vehicle. Those contain important information of safe and

proper operation.

Never remove any labels from your vehicle. If a label becomes difficult to read or comes off, a new label is available from your dealer.

2. NOTES FOR SAFETY

* Read this owner's manual thoroughly before riding.

- * This vehicle is designed for the rider's age above 16 years old.
- * The rider must fully understand everything in this manual before riding.
- * Always wear approved helmet, boots, gloves and protective clothing when riding.
- * Beginners should receive training from a certified instructor.
- * The practice location must be a level, free of obstacles, off-road area.
- * For DINLI ATV owners in USA, the vehicle is for operator only. Never carry passenger on the vehicle.
- * For DINLI ATV owners in Europe, you must check with your local riding laws before riding this vehicle on public terrain.
- * Don't allow your child to ride without supervision.
- * Don't take alcohol or drugs before riding or when riding, those can affect your judgment and slow down your reaction time.
- * Maintain a safe distance between your vehicle and other vehicles when riding.
- * Never ride this vehicle unless it has been properly adjusted and maintained.
- * Never run the engine in close areas. The exhaust gas contains poisonous carbon monoxide can cause you lose conscious even death.
- * Don't touch any parts of the engine, muffler, and exhaust system during and following riding.
- * Always check for obstacles before riding in a new area.

- * Never attempt to operate over large obstacles, such as large rocks or fallen trees.
Always follow proper procedures when operation over obstacles as described in this manual.

* Always be careful when skidding or sliding. Learn to safely control the vehicle by practice at low speed and on level, smooth terrain. Ride slowly on extremely slippery surface such as ice, and be very cautious in order to reduce the chance of skidding or sliding out of control.

*Never ride the vehicle in fast flowing water. Remember the wet brakes may have reduced stopping ability.

Test your brakes after leaving water. If necessary, apply brakes several times to let friction dry out the linings.

* Always use the size and type of tires specified in this manual. Always maintain proper tires pressure as described in this manual.

* Never modify the vehicle through improper installation or use of accessories.

*When transport the machine in another vehicle, be sure it is kept upright and the fuel valve is at the position "OFF" to prevent from fuel leaking.

3. MACHINE IDENTIFICATION

1. Headlight assembly
2. Front turning signal lights
3. Front shock absorber
4. Front wheel
5. Real mirror
6. Real brake lever
7. Front bumper
8. Seat
9. Battery (under seat)
10. Rear shock absorber
11. Muffler
12. Rear wheel
13. Kicker start
14. Footboard
15. Fuel tank

16. Handlebar assembly

- Start switch
- Hazard switch
- Horn button
- Lights switch
- Turn signal switch

17. Speedo meter & indicator lights

- 18. Main switch
- 19. Rear Rack
- 20. Rear turn signal lights
- 21. Tail light (Stop light)
- 22. License plate
- 23. Rear brake caliper

NOTE:

The machine you have purchased
May differ slightly from those show
in the drawings of this manual.

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Serial Number & Engine number

Please record the frame and engine serial number for

future reference.

(1) Frame serial number is stamped on the right and front of the chassis.

(2) The engine serial number is stamped on the left side of the crank case.

4. CONTROL FUNCTIONS

WARNING

Indicates a potential hazard that could result in serious injury or death.

4-A. Main Switch

Function of the respective switch positions are as follows:

“ON”

Engine can be started when the switch is at this position.

“ ”

The headlight and taillight come on when the switch is at this position.

“OFF”

All electrical circuits are switched off, the key can be removed at this position.

4-B. Indicator lights

1. L. turn signal indicator light “ “
2. R. turn signal indicator light “ “
3. High beam indicator light “ “

4. Driving indicator light “ “
5. Reverse indicator light “ “
6. Hazard indicator light “ “
7. Oil warning light

● **Turn signal indicator lights**

When the turn signal switch is operated, this indicator

WARNING

If oil supply to engine is not

light will blink and the buzzer will sound.

- **High beam indicator light**

This indicator light will come on when the light switch is switched to high beam and will go out when switched to low beam.

- **Driving indicator light**

This indicator light comes on when the vehicle is running forwarders.

- **Reverse indicator light**

This indicator light comes on when the transmission is in reverse.

- **Hazard indicator light**

When the hazard switch is operated and turns signal lights are off, this indicator light will blink while all turn signals will blink simultaneously.

- **Oil warning light**

When the main switch is "ON", if the oil warning light comes on automatically. The engine oil is insufficient. Please refill with specific engine oil.

enough, the engine will be out of order.

4-C Handlebar switches

- 1.Horn button
- 2.Turn signal switch
3. Light switch
- 4.Hazard switch
- 5.Start switch

Horn button

When the main switch is at the "ON" position pressing the horn button will cause the horn to sound.

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Turn signal switch

Use the turn signal switch while turning to another

direction or shifting to another lane. The rear and front turning signal lights will wink when the switch is operated.

“ “ For turning to the left.

“ “ For turning to the right.

The instrument turn signal indicator light will also blink when the switch is operated.

Pressing switch inward will cause blinkers to shut off.

CAUTION:

The turn signal light will not release automatically, be sure to push the turn signal switch to release it, otherwise it may affect the traffic safety.

The turn signal switch doesn't work when the main switch is "OFF"

Light switch

Turn the switch to the “ “position to switch on

Hazard switch (For homologated types only)

“ “At this position, the front and rear light and left

the low beam and the taillight.

Turn the switch to the “ ” position to switch on the high beam and the taillight.

Start switch “ ”

The starter motor cranks the engine when this switch is pressed.

NOTE :

The headlight and taillight can be turned on only when the main switch is at the “ ” position.

The headlight and taillight can be turned on only when the engine is starting.

CAUTION:

See starting instructions prior to start engine.

(Please see page 36 for details)

turn signal lights wink together.

“ ” At this position, all light will be turned out at the once

CAUTION:

Turn on this switch when parking or there is special condition.

After the hazard switch is turned on, it will not rest.

Be sure to push the switch to “ ” to release it, otherwise it may affect the traffic safety.

When the signal lights are winking, the hazard switch does not work.

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4-D. Throttle lever

The throttle lever is beside the right handlebar

WARNING

Potential hazard

grip to be activated by the right hand thumb.
To accelerate the vehicle, simply press the lever forwarder to open the throttle. To decelerate release the lever spring tension will close the throttle automatically.

Inspect throttle cable condition and operation.
Replace the cable if it has become worn or kinked. Lubricate the cable with lubricant to prevent premature wear or corrosion.
Adjustment can be made with the adjuster beside the throttle lever.
Loosen the lock nut and turn the adjuster.
The free play should be maintained at 5-10mm.
Before starting the engine, check the throttle to be sure it is operating smoothly. Make sure it returns to the idle position as soon as the lever is released.

4-E Speed limiter

The speed limiter is on the right handlebar.

Malfunction of throttle

What can happen

The throttle could be hard to operate, making it difficult to speed up or slow down when you need to.

This could cause an accident.

How to avoid the hazard

Check the operation of the throttle lever before you start the engine. If it does not work smoothly, check for the cause. Correct the problem before riding the vehicle. Consult a Dinli dealer if you cannot find or solve the problem yourself.

Adjuster

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WARNING

The speed limiter keeps the throttle from fully opening, even when the throttle lever is pushed to the maximum. Screwing in the adjuster limits the maximum engine power available and decrease the maximum speed of the vehicle.

POTENTIAL HAZARD

Improper adjustment of the speed limiter and throttle.

WHAT CAN HAPPEN

The throttle cable could be damaged. Improper throttle operation could result. You could lose control, have an accident or be injured.

HOW TO AVOID THE HAZARD

Do not turn the speed adjuster out more than 15 mm.

Always make sure the throttle lever free play is adjusted to 1.0~4.0 mm.

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4-F BRAKE SYSTEM (WITH FOOT BRAKE SYSTEM)

This system is applied to models (100cc up) with homologation.

a. Left-hand brake lever

The hydraulic disc rear brake is operated with the lever on the left handlebar. When braking, grasp this lever which applies the brake to the four wheels.

b. Foot brake pedal

The foot brake pedal allows the rider to apply brake on four wheels of the vehicle simultaneously.

C. Parking brake

Grasp left hand brake lever on left handlebar for braking.

When parking, squeeze the left hand brake lever to apply the brake to the four wheels. And at this moment press the parking brake

4-G Brake system (WITHOUT FOOT BRAKE SYSTEM)

This system is applied to non-Homologated models and Homologated model (50 cc)

a. Left-hand brake lever

The hydraulic disc rear brake is operated with the lever on the left handlebar.

When braking, grasp this lever which applies the brake to the rear two wheels.

b. Right-hand brake lever

The front brake is operated with the right hand brake lever on right handlebar.

Pull the level toward the handlebar to apply the front brake to the two front wheels.

c. Parking brake

Parking brake lever is located on right handle bar.

By pulling lever inward and pressing down on lock lever will lock front brakes.

To remove parking brake pull lever all the way in to release automatically

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WARNING

POTENTIAL HASARD

Improper use of the parking brake

WHAT CAN HAPPEN

The vehicle could start moving unexpectedly
If the parking brake is not applied before starting the engine. This could cause loss of control or a collision. The brake could be overheated if you ride the vehicle without releasing the parking brake. You could lose braking performance which could cause an accident. You could also wear out the brakes prematurely.

HOW TO AVOID THE HAZARD

Always set the parking brake before starting the engine. Always be sure you have released the parking brake before you begin to ride.

4-G Locking Steering (Homologated model)

The lock insert is on the steering shaft underneath

the front fender.

Turn the steering handlebar left to full and turn the key right, the steering handlebar is locked. The key can be taken out.

Turn the key to left, the steering handlebar is released automatically. The key can be taken out.

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WARNING

POTENTIAL HAZARD

Improper use of the locking steering.

WHAT CAN HAPPEN

The vehicle could be lost of control or overturned.

HOW TO AVOID THE HAZARD

Always be sure you have released the locking.

Steering handlebar before you begin to ride.

Never lock the steering handlebar, when the engine is starting.

4-H Drive select lever

The drive select lever is used for shifting transmission

Into forward reverse.

Refer to page 38 for drive select lever operation.

D. Forward drive

R. Reverse drive

N. Neutral

A Drive select lever

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4-I Fuel Tank

Fuel tank capacity is 5.2 liter including 0.8 liter in the reverse supply.

Automotive gasoline with octane no. 91 or higher may be used.

After refueling, be sure to tighten the tank cap firmly.

Do not refuel right after the engine has been running and is still very hot.

It is recommended to check the fuel level before you begin to ride.

4-J Fuel Valve

The three way fuel valve is on the right side of the

vehicle, which control the fuel from the fuel tank to the carburetor.

OFF : With the lever in this position, gasoline cannot flow into the carburetor.
Always turn the lever to this position when the engine is not running. **OFF**

ON : With the lever in this position, fuel flows from the tank to the carburetor.
Normal riding is done with the lever in this position **ON**

RES: This indicates reverse. If you run out of fuel while riding, turn the lever to this position. Then fill the fuel tank at the first opportunity, After refueling, return the fuel cock lever to the "ON" position. **RES**

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4-K Starter kick lever

Engine can be started by kicking lever downward

Kick start lever

CAUTION:

See starting instructions prior to start engine
(see page 37 for details)

5 PRE-OPERATION CHECKS

Before using this vehicle, check the following points:

| ITEM | ROUTINE | PAGE |
|------------------------|--|-------------|
| Brake | Check operation, condition, free play and brake fluid. If necessary, adjust | 21-24 |
| Fuel | Check fuel level. Fill with fuel if necessary | 27-28 |
| Engine oil | Check engine oil level. | 27-29 |
| Transmission oil | Check transmission oil. If necessary, fill with oil. | 64 |
| Drive chain | Check chain slack and condition. If necessary, adjust. | 35 |
| Throttle | Check for proper throttle cable operation. | 19 |
| Wheels and tires | Check tires pressure, wear and damage. | 36 |
| Fittings and fasteners | Check all fitting and fasteners. | |
| Battery | Check connection. | 55-57 |
| Lights | Check for proper operation. | |

POTENTIAL HAZARD

Failure to inspect the vehicle before operating.
Failure to properly maintain the vehicle.

WHAT CAN HAPPEN

Increase the possibility of an accident or equipment damage.

HOW TO AVOID HAZARD

Always inspect your vehicle each time you use it to make sure the vehicle is in safe operating condition.

Always follow the inspection and maintenance Procedures and schedules described in the Owner' manual. (See page)

a. Brake levers and pedal

Check for correct free play in the brake lever. If the free play is incorrect, adjust it. (See page 21)

Check operation of the lever and the pedal. They should move smoothly and there should be a firm feeling when the brake is applied. If not, have the vehicle inspected by a Dinli dealer

b. Brake operation

Test the brakes at slow speed after starting out to make sure they are working properly. If the brakes do not provide proper braking performance, inspect the brakes for wear. (See page 57)

WARNING

5-B FUEL

Make sure there is sufficient gasoline in the tank.

POTENTIAL HAZARD

Riding with improperly operating brakes.

WHAT CAN HAPPEN

You could lose braking ability, which could lead to an accident.

HOW TO AVOID THE HAZARD

Always check the brakes at the start of every ride.

Do not ride the vehicle if you find any problem with the brakes. If any problem cannot be corrected by the adjustment procedures provided in this manual, have the vehicle inspected by a Dinli dealer.

Fuel level

Recommended fuel:

UNLEADED FUEL

Fuel tank capacity:

Total : 5.2 L (1.58 US gal)

Reserve: 0.8 L (0.22 US gal)

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5-C OIL

a. Gearbox oil

5-D DRIVE CHAIN

Check gearbox oil level from the icon of gearbox cover (right side) every time before operating this vehicle. If oil supply to gearbox is not enough will cause damage to the gearbox.

#90 gear oil (800 cc) is recommended.

b. Engine oil

Two-stroke Engine oil must be added to the oil tank periodically. Check oil indicator every time before operating this vehicle.

If oil supply to engine is not enough, this engine will be out of order. The oil tank is installed under the seat. Pull the lamp under the seat to take off the seat. Then you can refill the oil into the tank.

For 2-stroke engine, SAE 20 oil is recommended.

* Replace with new oil per running miles 800~1000km.

The drive chain will wear with use and requires periodic adjustment. Remove the chain cover, measure the amount of chain slack to check the chain tension. The amount of slack can be adjusted by loosening the lock nuts and move the chain tensioner plate. Don't forget to tighten back the lock nuts.

Always lubricate chain after proper adjustment.

Quality chain lube is recommended.

5-E TIRES

WARNING

b. The tire pressure:

Check tire pressure frequently with the air gauge pressure

POTENTIAL HAZARD

Operating this vehicle with improper tires, or with improper or uneven tires pressure.

WHAT CAN HAPPEN

Use of improper tires on this vehicle or operation of this vehicle with improper or uneven tire pressure, may cause loss of control, increase your risk of accident.

HOW TO AVOID HAZARD

The tires listed below have been homologation approved for this vehicle:

| Homologation | Version A | Version B | Type |
|--------------|---|---|-----------------|
| Max load | Front: 106 kg(234lbs) Rear: 106 kg(234lbs) | Front: 65 kg(143lbs) Rear: 80 kg(176lbs) | |
| Front tires | 19 x 7.00 – 8 30F | 19 x 7.00 – 8 13J | Tubeless |
| Rear tires | 18 x 9.50 – 8 30F | 18 x 9.50 – 8 19J | Tubeless |

Other tires combinations are not recommended.

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5-F Battery

This is a sealed type 12 volt battery. No liquid level inspection is ever needed and no refilling

Tires should be inflated to the recommended pressure.

Recommended : Front: 20kPa, {0.2kgf/c m²}, 3psi

Rear : 25kPa, {0.25kgf/c m²}, 4psi

Minimum : Front: 17kPa, {0.17kgf/c m²}, 3psi

: Rear: 22kPa, {0.22kgf/c m²}, 4psi

The pressure should be checked when the tires are cold before running the vehicle.

Tires wear limit

When the tire groove decreased to 3 mm, due to wear, replace the tire.

water is required.

Because this battery is a completely sealed type, abuse of the battery can cause an explosion.

Please adhere to the following points:

- a. Follow the instructions (see page 51) for preparation and filling with battery electrolyte.
- b. Never interfere with the sealed state of the battery.
- c. Check the charging conditions with a voltmeter (Normal charging voltage should be 12.8V)
- d. When replacing battery always replace with same type.
- e. Keep away from high temperature or fire.
- f. In the case of an accident sulfuric acid may escape.

Charging Method

Normal Charge: 0.7A x 5~10 hrs.

Fast Charge : 3A x 1 hr.

6.OPERATION

6-A Starting a cold engine

WARNING

WARNING

Indicates a potential hazard that could result in serious injury or death.

WARNING

Operating vehicle without being familiar with all control.

WHAT CAN HAPPEN

Loss of control, which could cause an accident or Injury.

HOW TO AVOID HAZARD

Read the owner's manual carefully, If there is a control or function you do not understand ask your dealer.

POTENTIAL HAZAED

Freezing control cables in cold weather.

WHAT CAN HAPPEN

you could be unable to control the vehicle, which could lead to an accident or collision.

HOW TO AVOID HAZARD

When riding in cold weather, always make sure all control cables work smoothly before riding.

a. For homologated model.

- 1.Set the parking brake.
- 2.Turn the fuel lock to "ON"
- 3.Turn the main switch to "ON"
- 4.Shift the drive select to "N" (if the vehicle is with reverse transmission)
- 5.Use the starter in reference to the figure:

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First startup

- 1.Open the choke

2. Without throttling, grasp the hand brake lever, press the start switch for 5 seconds and release it repeatedly for 3 times.

3. Close the choke.

4. Startup the engine with throttle.

Normally if you follow the steps above, the engine will be started up right away.

Under certain circumstances, if engine can be started up readily, you might try the "First Startup" again.

If still started hard, please consult your Dinli dealer, as recalibrating the carburetor maybe needed.

5. Continue warming up the engine for 1~2 mm. after starting until it idles smoothly, then, release the parking brake, keep the choke closed. The vehicle is ready for riding.

b. For Non-homologated Models.

1. Set the parking brake.

2. Turn the fuel lock to "ON"

3. Turn the main switch to "ON"

4. Shift the drive select to "N" (If this vehicle is with reverse transmission)

5. Grasp the hand brake lever, push the start switch slightly without pushing the throttle lever.

6. If the engine fail to start after the start switch is pressed for 3~4 seconds, push the throttle lever slightly to facilitate starting.

7. After the engine has been warmed up 1~2mm. release the parking brake, the vehicle is ready for riding.

8. If the engine does not start after start switch is pressed for 5 seconds,

Wait for more than 5 seconds and then press the switch again or start the engine by kick lever.

NOTE:

If the engine fails to start, release the start switch then push the start switch again. Each cranking should be as short as possible to preserve battery energy. Don't crank the engine more than 10 seconds on each attempt.

6-B Start with the kick lever

The vehicle can be started by kick lever, make sure the vehicle is pre-setted as started by electric starter:

1. Place the vehicle on level ground.
2. Depress the kick lever with force. When the engine is cold and does not start after kick lever is depressed for 3~4 times, push the throttle lever slightly to facilitate starting.
3. When the engine is started, do not accelerate suddenly, keep riding at low speed to prolong the engine service life.
4. After the engine is started, return the kick lever to original position.

CAUTION:

See the “engine break-in” section prior to operating engine for the first time.

6- C Starting a warm engine

To start a warm engine, refer to “Starting a cold engine section.

6-D Warming up

To get maximum engine life, always warm up the engine before starting off. Never accelerate hard with a cold engine! To see whether or not the engine is warm, check if it responds to the throttle normally.

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6-E Drive selects lever operation and reverse drive

CAUTION

Before shift, you must stop the vehicle and return the Throttle lever to its closed position. Otherwise, the Transmission may be damaged.

a. Shifting: Forward

1. Bring the vehicle to a complete stop and return the throttle lever to closed position.

2. Apply the parking brake.
3. Shift the drive select lever to the position "D" by moving the shift lever along the shift guide.

NOTE :

Make sure that the lever is completely shifted to correct position.

4. Release the parking brake, then open the throttle lever gradually

NOTE:

When in reverse , the reverse indicator light Should be on , if the light does not come on , ask a DINLI dealer to inspect the machine.

4. Check behind for people or obstacles then release the parking brake.
5. Open the throttle lever gradually and Continue to watch to the rear while

- A. Drive select lever
- 1, Forward " D" 2. Reverse "R"
 - 3, Neutral "N"

b. Shifting: reverse

1. Bring the vehicle to a completely stop and return the throttle lever to the closed position
2. Shift the drive select lever from "D" to "N" by moving the shift lever along the shift guide.
3. Shift the drive select lever from "D" to the "R" by moving the shift lever along the shift guide.

WARNING

PONTIAL HAZARD

Improperly operation in reverse.

WHAT CAN HAPPEN

You could hit an obstacle or person behind you , resulting in serious injury.

HOW TO AVOID THE HAZARD

backing.

NOTE:

If the drive select lever is shifted into reverse while the engine is running; the engine will stop unless the parking brake is applied.

When you shift into reverse, make sure there are no obstacles or people behind you. when it is safe proceed, go slowly.

6-F Engine break-in

There is never a more important period in the life of your machine than the period between zero and 20 hours. For this reason, we ask that you carefully read the following material.

Because the engine is brand new, you must not put an excessive load on it for the first 20 hours various parts in the engine wear and polish

Each full throttle acceleration sequence should be followed with a substantial rest period for the engine by cruising at lower RPM so the engine can rid itself of the temporary build up of heat. if any abnormality is noticed during this period, consult a DINLI dealer.

themselves to the correct operating clearances.

During this period, prolonged full throttle operation or any condition which might result in excessive engine heating must be avoided, However, momentary (2~3 seconds maximum full throttle operation under load does not harm the engine.

1.0~10 hours:

Avoid continuous operation above half throttle. Allow a cooling off period of five to ten minutes after every hour of operation. Vary the speed of the machine from time to time. Do not operate it at full throttle position.

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6-G Parking on a slope

POTENTIAL HAZARD

Parking on a slope or other incline

WHAT CAN HAPPEN

The ATV could roll out of control, increasing the chance of an accident.

HOW TO AVOID THE HAZARD

Avoid parking on slope or other inclines. If

you must park on an incline, place the machine transversely across the incline, apply the parking break, and block the front and rear wheels with rocks or other objects. Never park your vehicle on a slope that is so steep you can not walk up easily.

1. Bring the machine to a stop by applying the brakes.
2. Stop the engine.
3. With the brake applied, apply the parking Brake.

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6-H Loading (For Europe market)

As originally equipped, this vehicle can carry cargo or passenger (the homologated model). You must use the common sense and good judgment. Keep the following points in mind:

·Nerve exceed the weight limit shown.
An overloaded vehicle can be unstable.

Load cargo on the rack as close to the center of the vehicle as possible. Put cargo at the front of the rack.

Center the load from side to side.

Tie down cargo securely to the rack. Make sure cargo cannot be moved around.

Rear Rack:
Loading capacity: 15 kgs
Forbid to have people on the rear rack.

Make sure the load does not interfere with control or your ability to see where you are going.
Ride more slowly than you would with out a load

The more weight you carry, the slower you should go. Allow more brake distance. A heavier vehicle takes longer to stop.

Avoid making sharp turns unless at very slow speeds
Never carry passenger on the rear rack.

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WARNING

POTENTIAL HAZARD

Overloading this ATV or carrying or towing cargo improperly.

WHAT CAN HAPPEN

Could cause changes in vehicle handling which could lead to an accident.

HOW TO AVOID THE HAZARD

Never exceed the stated load capacity for this ATV.

Cargo should be properly distributed and securely attached.

Reduce speed when carrying cargo or a passenger. (Not allowed to carry a passenger in USA)

Allow greater distance for braking.

7-A RIDE WITH CARE AND GOOD JUDGEMENT

Get training if you are inexperienced.

Beginners should get training from a certified Instructor.

First, even if you are an experienced operator do not attempt to operate at maximum performance until you are totally familiar with the machine's handling and performance

HOW TO AVOID THE HAZARD

Beginning and inexperienced operators should complete the certified training course. They should then regularly practice the skills learned in the course and the operating techniques described in this Owner's manual.

characteristics.

WARNING

POTENTIAL HAZARD

Operating this ATV with out proper instruction

WHAT CAN HAPPEN

The risk of an accident is greatly increased if the operator does not know how to operate the ATV properly in different situations and on different types of terrain.

For more information about the training course, contact an authorized ATV dealer.

Riding your machine requires skills acquired through practice over a period of time.

Take the time to learn the basic techniques we before attempting more difficult maneuvers.

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7-B CLIMBING UPHILL

Practice riding at first on gentle slopes. Try more difficult

Climbs only after you have developed your skill.

Avoid excessive steep hills or slopes with slippery or loose surface in rough terrain.

Keep both feet on footrests.

When climbing a hill, shift your weight forward, proceed at a

Steady rate of speed and throttle opening.

If you are unable to continue up the hill, dismount the vehicle on the uphill side.

Physically turn the vehicle around and then descend the hill.

7-C CROSSING THROUGH SHALLOW WATER

The ATV can be used to cross slow moving, shallow water of up to a maximum of 35 cm (13.8) in depth.

Entering the water where there is no sharp drop off, rocks or other obstacle.

Drive slowly and carefully.

Remember that wet brakes may have reduced stopping ability.

Test your brakes after leaving water until you have regained proper braking ability.

7-D TURNING

It is essential that this skill shall be learned at first at low speed.

The rider must learn to move his weight and control the throttle to allow the rear tires to get the turn.

When turning, the wheel on the outside of the turn must travel a wider radius and thus a greater distance than the inside wheel.

As the rear axle does not permit a differential rate of wheel

rotation, it is not enough to merely steer this vehicle into a turn. To turn steer in the direction of the turn, leaning your body to the inside of the turn, while supporting your weight on the outer footrest.

Use the throttle to maintain power throughout the turn. Incorrect turning may cause the front wheels to slide straight ahead. If this should occur, close the throttle and stop. Avoid braking or accelerating until you have regained directional control. Be careful to avoid skids while traveling on slippery terrain.

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7-E RIDING DOWN SLOPE

WHEN Riding your ATV down slope, shift Your Weight as far to the rear and up slope side of the ATV as possible. Move back in the seat and sit With your arms straight. Improper braking may cause a loss of traction. Use caution while descending a slope with loose or slippery surfaces. Braking ability and traction may

WARNING

POTENTIAL HAZARD

Going down a slope improperly

WHAT CAN HAPPEN

Could cause loss of control or cause the ATV to overturn

HOW TO AVOID THE HAZARD

Always follow proper procedure for going

be adversely affected by these surfaces. Improper braking may also cause a loss of traction. Whenever possible, ride your ATV straight down slope. Avoid sharp angles which could allow the ATV to tip or roll over. Carefully choose your path and ride no faster than you will be able to react to obstacles which may appear.

down slopes as described in this Owner's manual. Note: a special technique is required when braking as you go down a slope.

Always check the terrain carefully before you start down any slope shift your weight

Never go down a slope at high speed.

Avoid going down a slope at an angle that would cause the vehicle to lean sharply to one side.

Go straight down the slope where possible.

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7-F Never carry passenger on the rear rack.

WARNING

POTENTIAL HAZARD

Carrying a passenger on the carrier.

WHAT CAN HAPPEN

Greatly reduces your ability to balance and

control this ATV. Could cause an accident, resulting in harm to you and/or your passenger.

HOW TO AVOID THE HAZARD

Never carry a passenger on the carrier. The carrier is to allow the operator to carry cargo.

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7-G Modifications

WARNING

POTENTIAL HAZARD

Operating this ATV with improper modifications.

WHAT CAN HAPPEN

Improper installation of accessories or

modification of this vehicle may cause changes in handling which in some situations could lead to an accident.

HOW TO AVOID THE HAZARD

Never modify this ATV through improper installation or use of accessories. All parts and accessories added to this vehicle should be genuine DINLI or equivalent components designed for use on this vehicle and should to installed and used according to instruction. If you have question, consult an authorized ATV dealer.

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8 MAINTENANCE SCHEDULE

The maintenance intervals in the following table are based upon average riding and conditions. Riding in unusual dusty areas require more frequent servicing.

| Item | INITIAL SERVICE (First week) | REGULAR SERVICE (Every 30 operating days) | Every year |
|-----------------------|---------------------------------|--|------------|
| Fuel Line | | | I |
| Throttle Operation | I | I | |
| Air Cleaner | | N | |
| Spark Plug | | I | |
| Engine/ Gear Oil | | I | |
| Idle Speed Adjustment | I | I | |
| Drive Chain | I,L | I,L | |
| Throttle Cable | I | I | I |
| Brake Shoe Wear | | | I |
| Brake System | I | I | |
| Nut, Bolt, Fastener | I | I | |
| Wheel | I | I | |
| Steering System | | | I |
| Suspension System | | | I |
| Battery | I | I | |
| C.V.T. Air Filter | | N | |
| Brake Fluid | | | I |
| Valve Gap | | | I |

Note: I: Inspect and Clean Adjust, Lubricate or Replace, if necessary. N: Clean; L: Lubricate

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8-A Battery

Warning notes and safety regulations for lead-acid battery.

Read instructions carefully.

Do not use at the places near fire. Hydrogen gas generated from battery may cause fire and explosion.

When using the battery, wear safety glasses and rubber gloves. Sulfuric acid may cause blindness or severe burn.

Keep put of the reach of children.

Battery solution or electrolyte is a diluted sulfuric acid solution. In case of contact with skin, rinse immediately with lots of water.

Batteries generate flammable gases which, if exposed to flames, can cause an explosion.

Hand in old batteries at a collection point.

Never dispose of old batteries as domestic waste.

Battery instruction:

INSTRUCTIONS FOR USING ELECTROLYTE

Read them carefully before use. Exactly filling electrolyte.

Don't let spray put.

NOTE

- ★ **Assure the electrolyte is the same specification as the battery.**
- ★ **Take down the battery from car before fill electrolyte.**

| | | |
|-------------------------------------|--------------------------------------|---------------------------------|
| 1. Preparation for storage battery. | 3. Filling battery with electrolyte. | 5. Remove the bottle and funnel |
|-------------------------------------|--------------------------------------|---------------------------------|

| | | |
|--|---|---|
| Remove the sealed tape on even place | Take out the bottle. Put it down straightly. Then pour through the Funnel to the ports. | Check no remaining electrolyte. If not, tap softly the bottle and Funnel to clear completely. Slowly pull out the bottles and Funnel. |
| 2. Preparation for filling funnel | 4. Assurance of the filling state | 6. Installment of close plugs |
| Softly inlay the filling funnel on the ports of the storage battery. | Assure every port has bubbles and the level of electrolyte should be down | Put the close plugs on the ports and evenly press the plugs. |

DANGER

EXPLOSIVE GASES keep sparks, flames and cigarettes away. Provide adequate ventilation when charging or using batteries in an enclosed space.

CHEMICAL HAZARD contains sulfuric acid. Contact with skin even through clothing, May cause severe burns. Wear a face shield and protective clothing. If electrolyte gets into Your eyes, antidote: flush thoroughly with water for at least 15 minutes and call a physician Immediately.

POISON Antidote: EXTERNAL-flush with water. INTERNAL-drink large quantities of water or milk then follow with milk of magnesia or vegetable oil.

KEEP OUT OF REACH OF CHILDREN.

CAUTION

This battery is a sealed battery requiring no maintenance of fluid level. Do not try to remove the sealing caps to fill the battery or when charging it; you may damage the battery. To check the state of charge, use a digital voltmeter: standard voltage should be more than 12.8 V.

Please wait for over 20 minutes after electrolyte is filled up.

If the voltage is less than 12.8 V before using, please charge the battery complying with the instruction.

| TYPE OF BATTERY | CORRECT CHARGE | |
|-----------------|----------------|------------|
| | NORMAL | RAPID |
| GTX7-ABS | 0.7A x 5~ 10 H | 7A x 0.5 H |

8-B AIR CLEANER AND CVT AIR FILTER

The air cleaner and CVT air filter

Will accumulate dust and must be cleaned periodically.

If riding in very dusty area, the filter must be cleaned more frequently.

To clean the filter:

1. Remove the cleaner/filter cover.
2. Take out the dusted air filter /element from the air cleaner.
3. Replace the dusted air filter/element comp with new one.
4. New air filters and element comp are available from Dinli dealers.

8-C Carburetor and Idle speed adjustment

The carburetor is a vital part of the engine and requires very sophisticated adjustment. Most adjustment should be left to the technician who has the professional knowledge and experience to do the job.

Non-homologated models

For Homologated Models

8-D SPARK PLUG

Standard spark plug: 50/100cc: champion L82YC/NGK BPR7HS or equivalent

1. Disconnect the spark plug cap.
2. Clean up dirt from around the spark plug base.
3. Remove the spark plug.
4. Inspect the plug electrodes for wear. If the electrodes and insulator tip appear usually fouled or burned, change a new one. Discard the spark plug if there is apparent wear of if the insulator is cracked or chipped.
5. The spark plug gap shall kept in 0.6-0.7mm (0.24"-0.28"). if adjustment is necessary, bend the side electrode carefully.
6. Install the spark plug, screw it in finger tight and then tighten with the plug wrench another $\frac{1}{2}$ turn to compress the washer.

SPARK PLUG.

8-E BRAKE SYSTEM ADJUSTMENT

a. With Foot Brake System.

1. Left brake lever free play adjustment

NOTE:

Before adjusting the brake, inspect the front brake shoes.

The left brake lever free play should be Adjusted to 10~20 mm at the brake lever pivot.

If the free play is incorrect, adjust as follows:

- 1.lock nut
- 2.adjusting bolt.

- 1.Loosen the locknut and fully turn in the adjusting bolt.
- 2.Turn the adjusting bolt until specified free play is obtained.
- 3. Tighten the locknut.

WARNING

Operating with improperly serviced or adjusted brakes.

WHAT CAN HAPPEN

You could lose braking ability, which could lead to an accident

HOW TO AVOID THE HAZARD

After servicing:

- * Make sure the brakes operate smoothly and that the free play is correct.
 - * Make sure the brakes do not drag.
- Replacement of brake components requires professional knowledge.

These procedures should be performed by DINLI dealer.

2. Brake pedal adjustment

The brake pedal free play should be adjusted to 10~20 mm at the brake pedal pivot.

If the free play is incorrect, adjust as follows:

WHAT CAN HAPPEN

You could lose braking ability, which could lead to an accident.

HOW TO AVOID THE HAZARD

After servicing:

- * Make sure the brakes operate smoothly and that the free play is correct.
- * Make sure the brakes do not drag.

Replacement of brake components requires professional knowledge.

These procedures should be performed by DINLI dealer.

1. Screwing the flange screw clockwise until the free play is obtained.

b. Without Foot Break System

1. Front brake lever free play adjustment

Note:

Before adjusting the brake, inspect the front brake shoes

The right brake lever free play should be adjusted to 10~20mm.

at the brake lever pivots. if the free play is incorrect, adjust as follows:

1. Loosen the lock nut (1) upper and fully turn in the adjusting bolt.
2. Loosen the (2) lock nut. (lower)
3. Turn the adjusting bolt (3) lower until specified free play is obtained.
4. Tighten the lock nut (2) lower.
5. While applying the front brake, turn out the (4) (upper) adjusting bolt until the (upper & lower) cable lengths are equal . The cable joint will become vertical.
6. Tighten the upper lock nut. (1)

c. Brake fluid inspection (Hydraulic Disc Brake)

Add recommended brake fluid Dot 3 into the reservoir until the fluid level reaches the lower limit or replace every year and do not mix brake fluid of different brands. Always keep the disc plate clean, refrain from grease.

Brake fluid reservoir

With Foot Brake System

Without Foot Brake System

9 WARRANTY

OBLIGATION

The obligation under this warranty is limited to repairing or replacing at our option, any part that is proven to be defective in material or factory workmanship under normal use for the applicable period stated below. Parts to be repaired or replaced under this warranty apply only during the warranty period.

OBLIGATION OF VEHICLE OWNER

You must, at your own expense, have all the scheduled maintenance performed in accordance with the maintenance schedule in the Owner's Manual.

WARRANTY PERIOD

This vehicle is covered by this warranty for a period of 6 months from the date of purchase.

EXCLUSIONS

Failures other than those resulting from defects in material or workmanship are not by this warranty.

This warranty does not cover replacement of expendable maintenance items made in connection with required maintenance services, such as spark plugs, filters and lubricants.

This warranty does not extend to tires. The vehicle used for racing competition, commercial uses including rentals will void this warranty.

10.SPECIFICATION

| Model | DL-50CC | DL-90CC | DL-100CC | DL-110CC | |
|-------------------------|----------------------|----------------------|----------------------|----------------------|--|
| EC Type approval number | e3*2002/24*0262*00 | - | e3*2002/24*0265*00 | e3*2002/24*0278*00 | |
| OVERALL LENGTH (mm) * | 1460(58.3") | 1476(58.3") | 147(58.3") | 1470(58.3") | |
| OVERALL WIDTH (mm) * | 881(34.6") | 881(34.6") | 881(34.6") | 881(34.6") | |
| OVERALL HEIGHT(mm) * | 925(36.4") | 925(36.4") | 925(36.4") | 925(36.4") | |
| GROUND | 127(5.0") | 127(5.0") | 127(5.0") | 127(5.0") | |
| WHEELBASE(mm) | 1000(39.4") | 1000(39.4") | 1000(39.4") | 1000(39.4") | |
| SEAR HEIGHT(mm) | 700(27.6") | 700(27.6") | 700(27.6") | 700(27.6") | |
| UNLADEN MASS(kg) | 108(238 lbs) | 108(238 lbs) | 108(238 lbs) | 108(238 lbs) | |
| TYPE | 2-Stroke-Horizonta | 2-Stroke-Horizo | 2-Stroke-Horizo | 2-Stroke-Horizo | |
| | Air-cooled | Air-cooled | Air-cooled | Air-cooled | |
| PISTON | 49 | 89 | 96 | 108 | |
| CARBURATOR | WJ | WFZ | WJ | WJ | |
| STARTING SYSTEM | Electric/Kick | Electric/Kick | Electric/Kick | Electric/Kick | |
| CLUTCH | Dry, Centrifugal | Dry, Centrifugal | Dry, Centrifugal | Dry, Centrifugal | |
| GEAR SHIFT PATTERN | R.N.D | R.N.D | R.N.D | R.N.D | |
| FRONT TIRE | 19x7-8 | 19x7-8 | 19x7-8 | 19x7-8 | |
| FRONT TIRE | 18x9.5-8 | 18x9.5-8 | 18x9.5-8 | 18x9.5-8 | |
| FRONT SUSPENSION | Double | Double | Double | Double | |
| REAR SUSPENSION | Sinale | Sinale | Sinale | Sinale | |
| FRONT BRAKE | Drum | Drum | Drum | Drum | |
| REAR BRAKE | Hydraulic | Hydraulic | Hvdraulic | Hydraulic | |
| FUEL TANK(LT) | 5.2 (1.58 us gal) | 5.2 (1.58 us gal) | 5.2 (1.58 us gal) | 5.2 (1.58 us gal) | |
| MAXIMUM VEHCLC SPEED | 40 km/h(24.84mile/h) | 50 km/h(31.05mile/h) | 55 km/h(34.15mile/h) | 60 km/h(37.26mile/h) | |

