

**Inncen**

**DC12V Electric Hydraulic Jack**

4 in 1 (jack/air pump/major light/warning light)

**INSTRUCTION MANUAL (English)**



## CONTENTS

IMPORTANT SAFETY INSTRUCTIONS & WARNINGS.....	3
FEATURES.....	5
Introduction.....	5
Electric Jack Operation Method.....	10
Specification.....	12
Fault Diagnosis.....	13
Packing List.....	16

## IMPORTANT SAFETY INSTRUCTIONS & WARNINGS

1. Read all warning labels and instructions. You must understand the operating instructions before using the equipment. Never remove the label from the device. Replace missing, worn or damaged labels.
2. Do not overhaul the machine to avoid damage to the machine and loss of warranty rights.
3. The jacking range is 15-45cm, and the maximum load-bearing capacity is 5T. Do not exceed the rated capacity.
4. Do not work for a long time, and cut off the power when not in use.
5. Avoid dropping the machine into water or using it under harsh conditions.
6. Before use, check whether the power supply matches the DC 12V/15A car cigarette lighter.
7. It can no longer be used on icy ground or uneven or unstable ground. Before lifting operations, pay attention to finding the accurate loading position of the car.
8. When using the machine, do not overload it, make sure to keep it

upright with the lifting truck, and do not tilt it.

9. Do not pull the power cord at will during use, so as not to cause the cable to break or short-circuit.

10. Make sure to park the car on one side and turn off the engine before use.

11. In the process of using the machine, please make sure that the operator is always by your side. If the operator needs to leave temporarily, please turn off the machine first.

12. Avoid dangerous oncoming vehicles. Use jacks as far away from the roadside as possible.

13. Before lowering the jack, remove all tools and equipment from under the vehicle

14. This machine uses precision hydraulic oil power, please keep enough ventilation, avoid using in high and low temperature environment, the suitable temperature is  $-15^{\circ}\text{C}$  to  $50^{\circ}\text{C}$ .

15. This product is not suitable for children.

## FEATURES

### ● Advantages:

The machine is with the fashionable and beautiful design, and adopts the advanced electric machinery technology. It is low noise, quick speeding, stable lifting performance and so on.

### ● Safety:

Considering the safety, the machine designs self-locking power structure and overloading protection device specially, That is to say: when the power has been disconnected, the lifted jack will not fall, only re-connecting the power, the jack will go on working, or using the safety knob to fall the car, which will protect the operator's personal safety effectively.

### ● Practicability:

In order to strengthen the practicability, the machine is added the functions of Tire Inflator Pump, Illumination and Warning. So the machine combines two functions: Car Jack and Tire Inflator Pump.

● **Application:**

The machine is widely used for Family Car, Go-anywhere Vehicle, Multi-Purpose Vehicle.

Introduction



6

Diagram One:

NO.	NAME	DESCRIPTION
1	Switches	Check Diagram Three
2	Storage Box	Collect the air hose
3	Pressure Rod	For lifting
4	Top Light	Illumination for Chassis
5	Front Light	For illumination
6	Protective Pad	Lin the protective pad
7	Adjusting Screw	Adjust the distance of the pressure rod and automobile chassis

7



Diagram Two:

NO.	NAME	DESCRIPTION
1	Pressure Rod Set	Check Diagram One
2	Frontlight	For illumination
3	SafetyValve	Unlock the pressure rod in emergency

8

4	Handle	If moving the jack, hold here
5	Tool Box	Put the small tools
6	Switches	Check Diagram Three
7	Cable Socket	Connect the power cable
8	Power Cable	Power cable with car cigar lighter head
9	Warning Light	Safe and warning

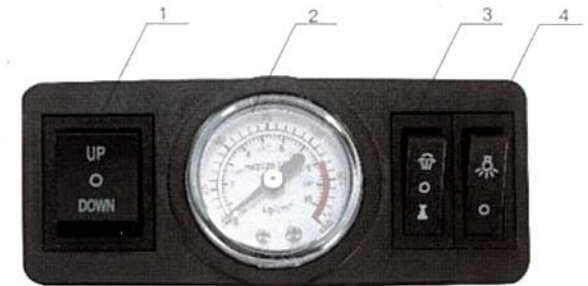




Diagram Three:

9

No.	NAME	DESCRIPTION
1	Direction Switch	Up/Close/Down
2	pressure Gauge	Show the pressure
3	Function Gauge	Inflate/Close/Lift
4	Light Switch	☀ On/off
	UP	Up
	DOWN	Down
		Inflate
		Lift
	O	Close

#### Electric Jack Operation Method

##### 1. Jack Function

- 1) Stop the car, tension the car brake.
- 2) Check the switch whether it is to the close position,
- 3) it should be to "O" state, if no, please = do it so first ,then connect

the power plug into the car cigarette lighter. (Note: if the battery is not enough, please charge it first (start the car engine) or replace the battery)

- 4) Put the jack in the side of car tyre, and ensure the centre of Pressure Rod to align the loading part of automobile chassis, then rotate the adjusting screw to make it close to the automobile chassis as far as possible.
- 5) Adjust the function switch to "Lift", the direction switch to "Up", then the jack will start to work, till the distance between the car tyre and the floor is about 5cm, reset the power switch, while the power is disconnected, the machine would lock automatically and wouldn't fall.
- 6) After changing the tyre, adjust the direction switch to "Down". the jack would start to fall in constant speed.
- 7) Finish all, please collect the cables and tools in the box.

##### 2. Inflation Function

- 1) Prepare for the equipment well, pull out the air hose and choose

the suitable inflatable head to connect, then turn on the power.

2) Adjust the function switch to "Inflation", then it would start to inflate, please check the change of the pressure gauge.

3) If finishing, please close the power first, then pull out the inflatable head to collect in the tool box. Later also pull out the plug from the cigarette lighter, then collect the cables into the tool box.

Note: when inflating each time, Not more than 10 minutes.

#### Specification

##### 1. Specification

Input Voltage	DC 12V
Rated Power	150W
Rated Current	3A
Fuse	15A
Length of Power Cable	3.5m
Max. Loading Car Weight	5T

Lifting Height Range	Common Item: 135-360mm Update Item: 150-450mm
Working Temperature	-25~50°C

##### 2. For Inflator Pump

Input Voltage	DC 12V
Inflating Speed	35L/min
Working Current	10A
Pressure	10BAR/150PSI
Length of Air Hose	600mm
Cylinder Diameter	25mm

#### Fault Diagnosis

##### 1. Jack couldn't work

- Check whether turning on the auto power.
- Inspect whether the function switch is adjusted to the relevant

function position,

- c).The pilot lamp for the cigarette lighter plug is lighted or not, if not, please re-connect the plug; if re-connecting it, still no lighting, please check whether the inside fuse of the cigarette lighter plug is destroyed.
- d). Whether the plug for the power cable of jack is loosen with the jack or aling off.

The socket is no electric or loosen, or theck the cable, please connect the power correctly; If the power switch is in the position of "O", pls adjust the switch to T(See DiagramThree); Check the plug of cigarette lighter, whether the fuse is destroyed, if it is destroyed, pls replace it,then try again.

## **2. Not Inflating**

- a). Check whether saring the inflator pump
- b). Whether the gas nozzle of air hose is rightly onnected with tyre gas nozzle.
- c). Inspect the air hose whether leaking air because of being destroyed in emergency

## **3. The pressure rod couldn't be risen**

- a). Confirm whether starring the motor.
- b). Whether the function switch is adjusted to the JACK function position, and also check the direction switch forUpVDown"
- c). Check whether the lowest temperature is within the range of suitable temperature for this product, if not, please preheating the jack first, making the hydraulic oil thaw, then using it.
- d).Not using for long time maybe Catse the oil is not smooth, please first pressuDown" switch for starting one minute, then press"Up"switch.

## **4. The pressure rod couldn't be fallen**

- a). Confirm whether starting the motor.
- b). Whether the function switch is adjusted to the JACK function position, and also check the direction switch for "Up'7 "Down".
- c). Not using for long time maybe cause the oil is not smooth, please first press" Up::"switch for Starting live seconds , then press "Down"