

**ELECTRIC HYDRAULIC JACK (KITS)
USER MANUAL**

ELECTRIC HYDRAULIC JACK (KITS) USER MANUAL

MODEL: ZSY01-2+ZSB02

(Note: Kits containing models ZSY01-2 and ZSB02)



Electric Hydraulic Jack(ZSY01-2)

Safety Warning



1. Please read this manual carefully before using.
2. The material of the cover is plastic, which is easy to break, please handle it with care when using. Then if carrying it, please with the handle, NOT lifting the pressure rod.
3. Do not overhaul the machine to avoid destroying the machine and lose the right of Guarantee.
4. Do not work for long time, when not using, please cut off the power.
5. Avoid the machine dropping into the water and using in the bad condition.
6. Check the power to match well with 12V Car Cigarette Lighter before using.
7. Take notice of the smooth floor and loading capacity when using, also pay attention to finding the exact loading position of the car before the operation of lifting.
8. Do not overload when using the machine, make sure to keep upright with the lifting car at the same time, never operate it aslant.
9. Do not pull the power cable casually when using, avoid the cable broken or short circuit.
10. Make sure the car park in one side and close the engine before using.
11. In the process of using the machine, ensure the operator stay with it all time, in case the operator have to leave for a short while, please shut off the machine first.
12. The machine adopts the power of precise hydraulic oil, please keep the adequate ventilation, avoid doing it in the environment of high temperature and rather low temperature, while the suitable temperature should be from -15°C to 50°C .
13. It can only be used for car maintenance, not for other purposes.

CAUTION: The maximum loading car weight is 5T model !

1) Advantages

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

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.

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

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

2) Packing List

1. Portable Multifunctional Electric Jack One Piece
2. Instruction Manual One Piece
3. Mini tool bag: The inflating needle, one of American-type Inflatable head, one of British-type Inflatable head, one of fuse for cigarette lighter, one of six-angle spanner

3) Introduction

Diagram One:

NO.	NAME	FUNCTION DESCRIPTION
1	Pressure Rod	The rod is for lifting
2	Handle	If moving the jack, pls hold here
3	Baseplate	Make the loading stable
4	Rubber Foot	Shockproof and Anti-skidding
5	Line Winding Box	The box is used for collecting the lines



Diagram Two:

NO.	NAME	FUNCTION DESCRIPTION
1	Switches	Pls check Diagram Three
2	Tool Box	Put the tools and collect the air hose here
3	Pressure Gauge	Show the pressure
4	Safety Valve	Unlock the pressure rod in emergency
5	Protective Pad	Lift the protective pad
6	Adjusting Screw	Adjust the distance of the pressure rod and automobile chassis

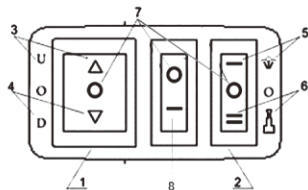


Diagram Three:

No.	NAME	FUNCTION DESCRIPTION
1	Direction Switch	Up/Close/Down
2	Function Switch	Inflation/Close/Lift
3	U	Up
4	D	Down
5	Air Bag	Inflation
6	Jack	Lift
7	O	Close
8	—	The lamp

4) Application Method

Jack Function:

- (1) Stop the car, tension the car brake.
- (2) Check the switch whether it is to the close position, it should be to “O” state, if no, please do it so first, then connect the power plug into the car cigarette lighter.
- (3) 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.
- (4) 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.
- (5) After changing the tyre, adjust the direction switch to “Down” , the jack would start to fall in constant speed.
- (6) Finish all, please collect the cables and tools in the line winding box.

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.

5) Specification

a. For Jack:

Input Voltage	DC12V
Rated Power	180W
Rated Current	15A
Fuse	15A
Length of Power Cable	4m
Max Loading car weight	5T
Lifting Range	155-450mm
Working Temperature	-15~50°C
Jack Size	31*15.5*15cm
Weight	4.8kg

b. For Inflator Pump:

Input Voltage	DC12V
Inflating Speed	35L/min
Working Current	10A
Pressure	10BAR/150PSI
Length of Air Hose	600mm
Cylinder Diameter	25mm

6) 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.
- 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.
- Whether the plug for the power cable of jack is loosen with the jack or falling off.

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

2. Not Inflating

- Check whether starting the inflator pump.
- Whether the gas nozzle of air hose is rightly connected with tyre gas nozzle.
- Inspect the air hose whether leaking air because of being destroyed in emergency.

3. The pressure rod couldn't be risen

- Confirm whether starting the motor.
- Whether the function switch is adjusted to the JACK function position, and also check the direction switch for "Up" / "Down" .
- 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.
- Not using for long time maybe cause the oil is not smooth, please first press "Down" switch for starting one minute, then press "Up" switch.

4. The pressure rod couldn't be fallen

- Confirm whether starting the motor.
- Whether the function switch is adjusted to the JACK function position, and also check the direction switch for "Up" / "Down" .
- Not using for long time maybe cause the oil is not smooth, please first press "Up" switch for starting five seconds , then press "Down" switch.

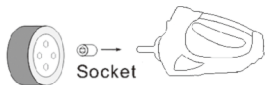
Remove the head of safety valve(See Diagram Two, point 4), loose the safety valve with six-angle spanner(rotate about half circle by anticlockwise), till the pressure rod falls to the prior position, then tightening it.

Electric Wrench (ZSB02)

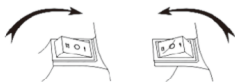
Operation

1. Turn on the power of the car.
2. Plug into cigarette lighter or connect with the car's battery.
3. Choose the proper socket to the wrench's shaft. (FIG.1)
4. According to thread direction, press switch for tightening or loosening. (Do the reverse for L. T. screw) (FIG.2)
5. Press left side of the switch (with mark II) to start operation, and each nut will be loosened after two or three times of "clatter" sound.
NB: If the wrench pins with out impacting. Please start engine for maximum voltage.
6. Press right side of switch (with mark) to tighten nuts, it will be tight enough after two or three times of "clatter" sound.

OPERATION CHART



Choose and apply the correct socket to the wrench head
(FIG.1)



Apply the wrench to wheel Nut and Press the Upper side of the switch (with mark "I") to start .Nut will be loosened in 3 seconds .
(FIG.2)

HOW TO REPLACE THE FUSE IN THE 12V PLUG

1. To replace the fuse in the plug, twist off the upper cover.
2. Remove the faulty fuse and insert a new one.
3. Twist the cover back on the plug. A spare fuse is enclosed in the case.



Caution

1. This tool can only be applied to DC12v Power.
2. Do not use the tool continuously more than 10 minutes.
3. Do not touch the shaft head with hand during operation.
4. When using the clips to car's battery, please make sure to connect clips to correct terminals of the battery. Red to positive and black to negative.
5. Do not use sockets not included in this kit.
6. New fuse's rated current should be or less than 12A.
7. Turn off the switch 3-5 seconds after the "clatter" sound is heard, the continue the operation.
8. The manufacturer recommends checking the tightness of the wheel nuts with a wheel brace after tightening with the impact wrench. The impact wrench is only for emergency use. Use a professional torque wrench to recheck the correct torque as soon as possible.
9. The manufacturer takes no responsibility for incorrect usage of this product and the impact wrench are only designed to loosen and tighten car wheel nuts'.

Troubleshooting

DANGER - Risk of fatal electric shocks.

Only have repairs to the tool or the power cord carried out by a professional experience technician.

1. Impact wrench will not start.

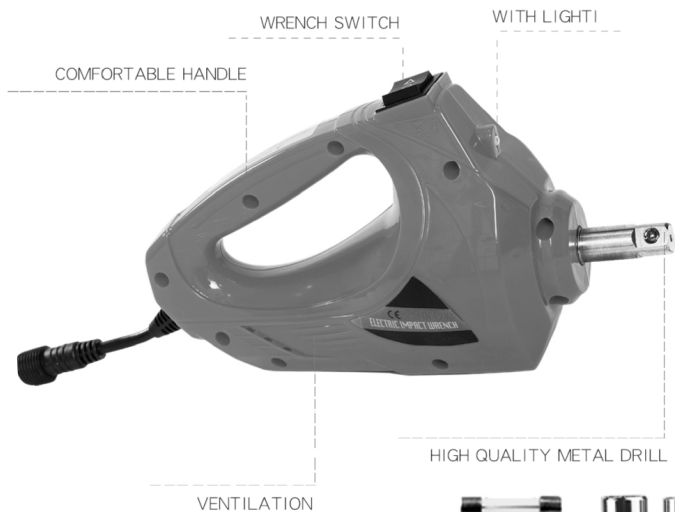
Is the car battery dead?

Is the cigarette lighter faulty?

Is the fuse in the impact wrench faulty?

2. Wheel nut cannot be unscrewed or tightened.

Has the correct rotational direction been selected?



Input Voltage	DC12V
Power	80W
Rated Current	13A
Fuse	15A
Max.Torque	450N.M

Package contents

No.	Name	Quantity
1	Electric hydraulic jack	1
2	Electric wrench	1
3	Safety rescue hammer	1
4	Power line (4m)	1
5	Battery clip	1
6	Glove	1
7	Fuse wire	2
8	Socket	2
9	Six-angle spanner	1
10	Air filling nozzle	3
11	Carrying case	1
12	User manual	1

CRIC ÉLECTRIQUE HYDRAULIQUE (KITS)
MANUEL D'UTILISATION

ÉLECTROHYDRAULIQUE
MANUEL D'UTILISATION DU JACK (KITS)

MODÈLE : ZSY01 2+ZSB02

(Remarque : kits contenant les modèles ZSY01 2 et ZSB02)



Electric Hydraulic Jack(ZSY01-2)

Safety Warning



1. Please read this manual carefully before using.
2. The material of the cover is plastic, which is easy to break, please handle it with care when using. Then if carrying it, please with the handle, NOT lifting the pressure rod.
3. Do not overhaul the machine to avoid destroying the machine and lose the right of Guarantee.
4. Do not work for long time, when not using, please cut off the power.
5. Avoid the machine dropping into the water and using in the bad condition.
6. Check the power to match well with 12V Car Cigarette Lighter before using.
7. Take notice of the smooth floor and loading capacity when using, also pay attention to finding the exact loading position of the car before the operation of lifting.
8. Do not overload when using the machine, make sure to keep upright with the lifting car at the same time, never operate it aslant.
9. Do not pull the power cable casually when using, avoid the cable broken or short circuit.
10. Make sure the car park in one side and close the engine before using.
11. In the process of using the machine, ensure the operator stay with it all time, in case the operator have to leave for a short while, please shut off the machine first.
12. The machine adopts the power of precise hydraulic oil, please keep the adequate ventilation, avoid doing it in the environment of high temperature and rather low temperature, while the suitable temperature should be from -15°C to 50°C .
13. Il ne peut être utilisé que pour l'entretien du véhicule, et non à d'autres fins.

ATTENTION : Le poids maximum de chargement du wagon est de 5T pour le modèle !

1) Advantages

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

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.

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

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

2) Packing List

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3. Mini tool bag: The inflating needle, one of American-type Inflatable head, one of British-type Inflatable head, one of fuse for cigarette lighter, one of six-angle spanner

3) Introduction

Diagram One:

NO.	NAME	FUNCTION DESCRIPTION
1	Pressure Rod	The rod is for lifting
2	Handle	If moving the jack, pls hold here
3	Baseplate	Make the loading stable
4	Rubber Foot	Shockproof and Anti-slidding
5	Line Winding Box	The box is used for collecting the lines



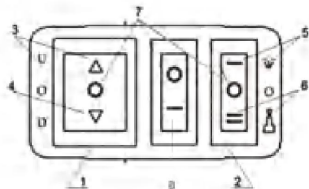
Diagram Two:

NO.	NAME	FUNCTION DESCRIPTION
1	Switches	Pls check Diagram Three
2	Tool Box	Put the tools and collect the air hose here
3	Pressure Gauge	Show the pressure
4	Safety Valve	Unlock the pressure rod in emergency
5	Protective Pad	Lift the protective pad
6	Adjusting Screw	Adjust the distance of the pressure rod and automobile chassis



Diagram Three:

No.	NAME	FUNCTION DESCRIPTION
1	Direction Switch	Up/Close/Down
2	Function Switch	Inflation/Close/Lift
3	U	Up
4	D	Down
5	Air Bag	Inflation
6	Jack	Lift
7	O	Close
8	—	The lamp



4) Application Method

Jack Function:

- (1) Stop the car, tension the car brake.
- (2) Check the switch whether it is to the close position, it should be to "O" state, if no, please do it so first, then connect the power plug into the car cigarette lighter.
- (3) 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.
- (4) 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.
- (5) After changing the tyre, adjust the direction switch to "Down", the jack would start to fall in constant speed.
- (6) Finish all, please collect the cables and tools in the line winding box.

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.

	135 - 360 mm
	155 - 450 mm
Extra-haut	155-450 mm/155-530 mm
Taille du cric	31*15,5*15

Normal : 4,8 kg Plus de 8 kg Très plus de 8 kg

5) Specification

a. For Jack:

Input Voltage	DC12V
Rated Power	180W
Rated Current	15A
Fuse	15A
Length of Power Cable	4m
Max Loading car weight	5T
Lifting Range	135 - 360 mm 155 - 450 mm
Working Temperature	155-450 mm / 15-50 °C
Jack Size	331*155*15cm
Weight	4.8kg

b. For Inflator Pump:

Input Voltage	DC12V
Inflating Speed	35L/min
Working Current	10A
Pressure	10BAR/150PSI
Length of Air Hose	600mm
Cylinder Diameter	25mm

6) 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.
- 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.
- Whether the plug for the power cable of jack is loosen with the jack or falling off.

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

2. Not Inflating

- Check whether starting the inflator pump.
- Whether the gas nozzle of air hose is rightly connected with tyre gas nozzle.
- Inspect the air hose whether leaking air because of being destroyed in emergency.

3. The pressure rod couldn't be risen

- Confirm whether starting the motor.
- Whether the function switch is adjusted to the JACK function position, and also check the direction switch for "Up" / "Down".
- 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.
- Not using for long time maybe cause the oil is not smooth, please first press "Down" switch for starting one minute, then press "Up" switch.

4. The pressure rod couldn't be fallen

- Confirm whether starting the motor.
- Whether the function switch is adjusted to the JACK function position, and also check the direction switch for "Up" / "Down".
- Not using for long time maybe cause the oil is not smooth, please first press "Up" switch for starting five seconds, then press "Down" switch.

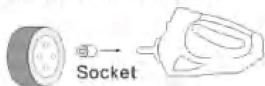
Remove the head of safety valve(See Diagram Two, point 4), loose the safety valve with six-angle spanner(rotate about half circle by anticlockwise), till the pressure rod falls to the prior position, then tightening it.

Electric Wrench (ZSB02)

Operation

1. Turn on the power of the car.
2. Plug into cigarette lighter or connect with the car's battery.
3. Choose the proper socket to the wrench's shaft. (FIG.1)
4. According to thread direction, press switch for tightening or loosening. (Do the reverse for L. T. screw) (FIG.2)
5. Press left side of the switch (with mark II) to start operation, and each nut will be loosened after two or three times of "clatter" sound.
NB: If the wrench pins with out impacting. Please start engine for maximum voltage.
6. Press right side of switch (with mark) to tighten nuts, it will be tight enough after two or three times of "clatter" sound.

OPERATION CHART



Choose and apply the correct socket to the wrench head
(FIG.1)



Apply the wrench to wheel Nut and Press the Upper side of the switch (with mark "I") to start .Nut will be loosened in 3 seconds .
(FIG.2)

HOW TO REPLACE THE FUSE IN THE 12V PLUG

1. To replace the fuse in the plug, twist off the upper cover.
2. Remove the faulty fuse and insert a new one.
3. Twist the cover back on the plug. A spare fuse is enclosed in the case.



Caution

1. This tool can only be applied to DC12v Power.
2. Do not use the tool continuously more than 10 minutes.
3. Do not touch the shaft head with hand during operation.
4. When using the clips to car's battery, please make sure to connect clips to correct terminals of the battery. Red to positive and black to negative.
5. Do not use sockets not included in this kit.
6. New fuse's rated current should be or less than 12A.
7. Turn off the switch 3-5 seconds after the "clatter" sound is heard, the continue the operation.
8. The manufacturer recommends checking the tightness of the wheel nuts with a wheel brace after tightening with the impact wrench. The impact wrench is only for emergency use. Use a professional torque wrench to recheck the correct torque as soon as possible.
9. The manufacturer takes no responsibility for incorrect usage of this product and the impact wrench are only designed to loosen and tighten car wheel nuts'.

Troubleshooting

DANGER - Risk of fatal electric shocks.

Only have repairs to the tool or the power cord carried out by a professional experience technician.

1. Impact wrench will not start.

Is the car battery dead?

Is the cigarette lighter faulty?

Is the fuse in the impact wrench faulty?

2. Wheel nut cannot be unscrewed or tightened.

Has the correct rotational direction been selected?



Input Voltage	DC12V
Power	80W
Rated Current	13A
Fuse	15A
Max.Torque	450N.M

Contenu du colis

Non.	Nom	Quantité 1
1	Cric hydraulique électrique	
2	Clé électrique	1
3	Marteau de sauvetage de sécurité	1
4	Ligne électrique (4 m)	1
5	Pince à batterie	1
6	Gant	1
7	Fil fusible	2
8	Douille	2
9	Clé à six angles	1
10	Buse de remplissage d'air	3
11	Mallette de transport	1
12	Manuel d'utilisation	1

ELEKTRISCHE HYDRAULISCHE WAGENHEBER (KITS) BENUTZERHANDBUCH

ELEKTRISCH HYDRAULISCH JACK (KITS) BENUTZERHANDBUCH

MODELL:ZSY01 2+ZSB02

(Hinweis: Kits enthalten die Modelle ZSY01 2 und ZSB02)



Electric Hydraulic Jack(ZSY01-2)

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4. Do not work for long time, when not using, please cut off the power.
5. Avoid the machine dropping into the water and using in the bad condition.
6. Check the power to match well with 12V Car Cigarette Lighter before using.
7. Take notice of the smooth floor and loading capacity when using, also pay attention to finding the exact loading position of the car before the operation of lifting.
8. Do not overload when using the machine, make sure to keep upright with the lifting car at the same time, never operate it aslant.
9. Do not pull the power cable casually when using, avoid the cable broken or short circuit.
10. Make sure the car park in one side and close the engine before using.
11. In the process of using the machine, ensure the operator stay with it all time, in case the operator have to leave for a short while, please shut off the machine first.
12. The machine adopts the power of precise hydraulic oil, please keep the adequate ventilation, avoid doing it in the environment of high temperature and rather low temperature, while the suitable temperature should be from -15°C to 50°C .
13. Es darf nur zur Fahrzeugwartung verwendet werden, nicht für andere Zwecke.

ACHTUNG: Das maximale Ladegewicht beträgt beim Modell 5 t!

1) Advantages

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

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.

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3) Introduction



Diagram One:

NO.	NAME	FUNCTION DESCRIPTION
1	Pressure Rod	The rod is for lifting
2	Handle	If moving the jack, pls hold here
3	Baseplate	Make the loading stable
4	Rubber Foot	Shockproof and Anti-slidding
5	Line Winding Box	The box is used for collecting the lines

Diagram Two:

NO.	NAME	FUNCTION DESCRIPTION
1	Switches	Pls check Diagram Three
2	Tool Box	Put the tools and collect the air hose here
3	Pressure Gauge	Show the pressure
4	Safety Valve	Unlock the pressure rod in emergency
5	Protective Pad	Lift the protective pad
6	Adjusting Screw	Adjust the distance of the pressure rod and automobile chassis



the centre of Pressure Rod

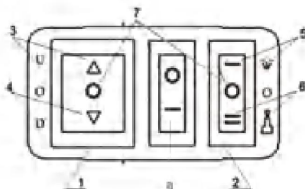


Diagram Three:

No.	NAME	FUNCTION DESCRIPTION
1	Direction Switch	Up/Close/Down
2	Function Switch	Inflation/Close/Lift
3	U	Up
4	D	Down
5	Air Bag	Inflation
6	Jack	Lift
7	O	Close
8	—	The lamp

4) Application Method

Jack Function:

- (1) Stop the car, tension the car brake.
- (2) Check the switch whether it is to the close position, it should be to "O" state, if no, please do it so first, then connect the power plug into the car cigarette lighter.
- (3) 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.
- (4) 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.
- (5) After changing the tyre, adjust the direction switch to "Down" , the jack would start to fall in constant speed.
- (6) Finish all, please collect the cables and tools in the line winding box.

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.

	135 - 360 mm
	155 - 450 mm
Extra höher	155-450 mm/155-530 mm
Buchsengröße	31*15,5*15

Normal: 4,8 kg, hoch, extra hoch, 8 kg

5) Specification

a. For Jack:

Input Voltage	DC12V
Rated Power	180W
Rated Current	15A
<small>135 - 360 mm</small> <small>155 - 450 mm</small> Extra höher Fuse <small>155-450 mm/155-530 mm</small>	15A
<small>317-551 mm</small> <small>Normal: 4,8 kg, hoch, extra hoch, 8 kg</small> Length of Power Cable	4m
Max Loading car weighth	5T
Lifting Range	<small>135 - 360 mm</small> <small>155 - 450 mm</small> <small>155-450 mm/155-530 mm</small>
<small>Extra höher</small> Working Temperature	-15~50 °C
<small>317-551 mm</small> Jack Size	331*155*15cm
<small>Normal: 4,8 kg, hoch, extra hoch, 8 kg</small> Weight	4,8kg

b. For Inflator Pump:

Input Voltage	DC12V
Inflating Speed	35L/min
Working Current	10A
Pressure	10BAR/150PSI
Length of Air Hose	600mm
Cylinder Diameter	25mm

6) 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.
- 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.
- Whether the plug for the power cable of jack is loosen with the jack or falling off.

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

2. Not Inflating

- Check whether starting the inflator pump.
- Whether the gas nozzle of air hose is rightly connected with tyre gas nozzle.
- Inspect the air hose whether leaking air because of being destroyed in emergency.

3. The pressure rod couldn't be risen

- Confirm whether starting the motor.
- Whether the function switch is adjusted to the JACK function position, and also check the direction switch for "Up" / "Down".
- 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.
- Not using for long time maybe cause the oil is not smooth, please first press "Down" switch for starting one minute, then press "Up" switch.

4. The pressure rod couldn't be fallen

- Confirm whether starting the motor.
- Whether the function switch is adjusted to the JACK function position, and also check the direction switch for "Up" / "Down".
- Not using for long time maybe cause the oil is not smooth, please first press "Up" switch for starting five seconds, then press "Down" switch.

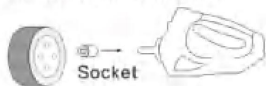
Remove the head of safety valve(See Diagram Two, point 4), loose the safety valve with six-angle spanner(rotate about half circle by anticlockwise), till the pressure rod falls to the prior position, then tightening it.

Electric Wrench (ZSB02)

Operation

1. Turn on the power of the car.
2. Plug into cigarette lighter or connect with the car's battery.
3. Choose the proper socket to the wrench's shaft. (FIG.1)
4. According to thread direction, press switch for tightening or loosening. (Do the reverse for L. T. screw) (FIG.2)
5. Press left side of the switch (with mark II) to start operation, and each nut will be loosened after two or three times of "clatter" sound.
NB: If the wrench pins with out impacting. Please start engine for maximum voltage.
6. Press right side of switch (with mark) to tighten nuts, it will be tight enough after two or three times of "clatter" sound.

OPERATION CHART



Choose and apply the correct socket to the wrench head
(FIG.1)



Apply the wrench to wheel Nut and Press the Upper side of the switch (with mark '-') to start .Nut will be loosened in 3 seconds .
(FIG.2)

HOW TO REPLACE THE FUSE IN THE 12V PLUG

1. To replace the fuse in the plug, twist off the upper cover.
2. Remove the faulty fuse and insert a new one.
3. Twist the cover back on the plug. A spare fuse is enclosed in the case.



Caution

1. This tool can only be applied to DC12v Power.
2. Do not use the tool continuously more than 10 minutes.
3. Do not touch the shaft head with hand during operation.
4. When using the clips to car's battery, please make sure to connect clips to correct terminals of the battery. Red to positive and black to negative.
5. Do not use sockets not included in this kit.
6. New fuse's rated current should be or less than 12A.
7. Turn off the switch 3-5 seconds after the "clatter" sound is heard, the continue the operation.
8. The manufacturer recommends checking the tightness of the wheel nuts with a wheel brace after tightening with the impact wrench. The impact wrench is only for emergency use. Use a professional torque wrench to recheck the correct torque as soon as possible.
9. The manufacturer takes no responsibility for incorrect usage of this product and the impact wrench are only designed to loosen and tighten car wheel nuts'.

Troubleshooting

DANGER - Risk of fatal electric shocks.

Only have repairs to the tool or the power cord carried out by a professional experience technician.

1. Impact wrench will not start.

Is the car battery dead?

Is the cigarette lighter faulty?

Is the fuse in the impact wrench faulty?

2. Wheel nut cannot be unscrewed or tightened.

Has the correct rotational direction been selected?



Input Voltage	DC12V
Power	80W
Rated Current	13A
Fuse	15A
Max.Torque	450N.M

Packungsinhalt

NEIN.	Name	Menge 1
1	Elektrischer Hydraulikheber	
2	Elektrischer Schraubenschlüssel	1
3	Sicherheits-Rettungshammer	1
4	Stromleitung (4 m)	1
5	Batterieclip	1
6	Handschuh	1
7	Sicherungsdraht	2
8	Buchse	2
9	Sechskantschlüssel	1
10	Luftfülldüse	3
11	Tragetasche	1
12	Benutzerhandbuch	1

CRIC ELETTRICO IDRAULICO (KIT) MANUALE D'USO

ELETTRICO IDRAULICO MANUALE D'USO JACK (KIT)

MODELLO: ZSY01 2+ZSB02

(Nota: Kit contenenti i modelli ZSY01 2 e ZSB02)



Electric Hydraulic Jack(ZSY01-2)

Safety Warning



1. Please read this manual carefully before using.
2. The material of the cover is plastic, which is easy to break, please handle it with care when using. Then if carrying it, please with the handle, NOT lifting the pressure rod.
3. Do not overhaul the machine to avoid destroying the machine and lose the right of Guarantee.
4. Do not work for long time, when not using, please cut off the power.
5. Avoid the machine dropping into the water and using in the bad condition.
6. Check the power to match well with 12V Car Cigarette Lighter before using.
7. Take notice of the smooth floor and loading capacity when using, also pay attention to finding the exact loading position of the car before the operation of lifting.
8. Do not overload when using the machine, make sure to keep upright with the lifting car at the same time, never operate it aslant.
9. Do not pull the power cable casually when using, avoid the cable broken or short circuit.
10. Make sure the car park in one side and close the engine before using.
11. In the process of using the machine, ensure the operator stay with it all time, in case the operator have to leave for a short while, please shut off the machine first.
12. The machine adopts the power of precise hydraulic oil, please keep the adequate ventilation, avoid doing it in the environment of high temperature and rather low temperature, while the suitable temperature should be from -15°C to 50°C .
13. Può essere utilizzato solo per la manutenzione dell'auto e non per altri scopi.

ATTENZIONE: il peso massimo del veicolo è di 5T!

1) Advantages

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

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.

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

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

2) Packing List

1. Portable Multifunctional Electric Jack One Piece
2. Instruction Manual One Piece
3. Mini tool bag: The inflating needle, one of American-type Inflatable head, one of British-type Inflatable head, one of fuse for cigarette lighter, one of six-angle spanner

3) Introduction



Diagram One:

NO.	NAME	FUNCTION DESCRIPTION
1	Pressure Rod	The rod is for lifting
2	Handle	If moving the jack, pls hold here
3	Baseplate	Make the loading stable
4	Rubber Foot	Shockproof and Anti-slidding
5	Line Winding Box	The box is used for collecting the lines

Diagram Two:

NO.	NAME	FUNCTION DESCRIPTION
1	Switches	Pls check Diagram Three
2	Tool Box	Put the tools and collect the air hose here
3	Pressure Gauge	Show the pressure
4	Safety Valve	Unlock the pressure rod in emergency
5	Protective Pad	Lift the protective pad
6	Adjusting Screw	Adjust the distance of the pressure rod and automobile chassis

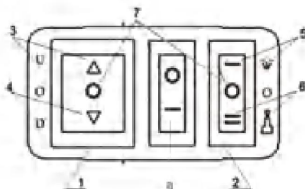


Diagram Three:

No.	NAME	FUNCTION DESCRIPTION
1	Direction Switch	Up/Close/Down
2	Function Switch	Inflation/Close/Lift
3	U	Up
4	D	Down
5	Air Bag	Inflation
6	Jack	Lift
7	O	Close
8	—	The lamp

4) Application Method

Jack Function:

- (1) Stop the car, tension the car brake.
- (2) Check the switch whether it is to the close position, it should be to "O" state, if no, please do it so first, then connect the power plug into the car cigarette lighter.
- (3) 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.
- (4) 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.
- (5) After changing the tyre, adjust the direction switch to "Down" , the jack would start to fall in constant speed.
- (6) Finish all, please collect the cables and tools in the line winding box.

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.

135 - 360mm

155 - 450mm

Extra più alto

155-450 mm/155-530 mm

Dimensioni del jack

Dimensioni: 31*15.5*15

Normale:4,8 KG Più alto KG Extra alto 8 KG

5) Specification

a. For Jack:

Input Voltage	DC12V
Rated Power	180W
Rated Current	15A
Fuse	15A
Length of Power Cable	4m
Max Loading car weight	5T
Lifting Range	135 - 360mm 155 - 450mm
Working Temperature	155-450 mm/155-530 mm -15~50°C
Jack Size	31*15.5*15cm
Weight	4.8kg

b. For Inflator Pump:

Input Voltage	DC12V
Inflating Speed	35L/min
Working Current	10A
Pressure	10BAR/150PSI
Length of Air Hose	600mm
Cylinder Diameter	25mm

6) 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.
- 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.
- Whether the plug for the power cable of jack is loosen with the jack or falling off.

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

2. Not Inflating

- Check whether starting the inflator pump.
- Whether the gas nozzle of air hose is rightly connected with tyre gas nozzle.
- Inspect the air hose whether leaking air because of being destroyed in emergency.

3. The pressure rod couldn't be risen

- Confirm whether starting the motor.
- Whether the function switch is adjusted to the JACK function position, and also check the direction switch for "Up" / "Down".
- 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.
- Not using for long time maybe cause the oil is not smooth, please first press "Down" switch for starting one minute, then press "Up" switch.

4. The pressure rod couldn't be fallen

- Confirm whether starting the motor.
- Whether the function switch is adjusted to the JACK function position, and also check the direction switch for "Up" / "Down".
- Not using for long time maybe cause the oil is not smooth, please first press "Up" switch for starting five seconds, then press "Down" switch.

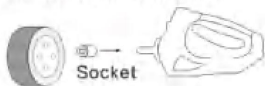
Remove the head of safety valve(See Diagram Two, point 4), loose the safety valve with six-angle spanner(rotate about half circle by anticlockwise), till the pressure rod falls to the prior position, then tightening it.

Electric Wrench (ZSB02)

Operation

1. Turn on the power of the car.
2. Plug into cigarette lighter or connect with the car's battery.
3. Choose the proper socket to the wrench's shaft. (FIG.1)
4. According to thread direction, press switch for tightening or loosening. (Do the reverse for L. T. screw) (FIG.2)
5. Press left side of the switch (with mark II) to start operation, and each nut will be loosened after two or three times of "clatter" sound.
NB: If the wrench pins with out impacting. Please start engine for maximum voltage.
6. Press right side of switch (with mark) to tighten nuts, it will be tight enough after two or three times of "clatter" sound.

OPERATION CHART



Choose and apply the correct socket to the wrench head
(FIG.1)



Apply the wrench to wheel Nut and Press the Upper side of the switch (with mark "1") to start .Nut will be loosened in 3 seconds .
(FIG.2)

HOW TO REPLACE THE FUSE IN THE 12V PLUG

1. To replace the fuse in the plug, twist off the upper cover.
2. Remove the faulty fuse and insert a new one.
3. Twist the cover back on the plug. A spare fuse is enclosed in the case.



Caution

1. This tool can only be applied to DC12v Power.
2. Do not use the tool continuously more than 10 minutes.
3. Do not touch the shaft head with hand during operation.
4. When using the clips to car's battery, please make sure to connect clips to correct terminals of the battery. Red to positive and black to negative.
5. Do not use sockets not included in this kit.
6. New fuse's rated current should be or less than 12A.
7. Turn off the switch 3-5 seconds after the "clatter" sound is heard, the continue the operation.
8. The manufacturer recommends checking the tightness of the wheel nuts with a wheel brace after tightening with the impact wrench. The impact wrench is only for emergency use. Use a professional torque wrench to recheck the correct torque as soon as possible.
9. The manufacturer takes no responsibility for incorrect usage of this product and the impact wrench are only designed to loosen and tighten car wheel nuts'.

Troubleshooting

DANGER - Risk of fatal electric shocks.

Only have repairs to the tool or the power cord carried out by a professional experience technician.

1. Impact wrench will not start.

Is the car battery dead?

Is the cigarette lighter faulty?

Is the fuse in the impact wrench faulty?

2. Wheel nut cannot be unscrewed or tightened.

Has the correct rotational direction been selected?



Input Voltage	DC12V
Power	80W
Rated Current	13A
Fuse	15A
Max.Torque	450N.M

Contenuto della confezione

NO.	Nome	Quantità
1	Martinetto idraulico elettrico	
2	Chiave elettrica	1
3	Martello di sicurezza e salvataggio	1
4	Linea elettrica (4 m)	1
5	Morsetto per batteria	1
6	Guanto	1
7	Filo fusibile	2
8	PRESA	2
9	Chiave inglese a sei angoli	1
10	Ugello di riempimento dell'aria	3
11	Custodia per il trasporto	1
12	Manuale d'uso	1

GATO HIDRÁULICO ELÉCTRICO (KITS)
MANUAL DEL USUARIO

HIDRÁULICA ELÉCTRICA
MANUAL DE USUARIO DEL GATO (KIT)

MODELO: ZSY01 2+ZSB02

(Nota: Kits que contienen los modelos ZSY01 2 y ZSB02)



Electric Hydraulic Jack(ZSY01-2)

Safety Warning



1. Please read this manual carefully before using.
2. The material of the cover is plastic, which is easy to break, please handle it with care when using. Then if carrying it, please with the handle, NOT lifting the pressure rod.
3. Do not overhaul the machine to avoid destroying the machine and lose the right of Guarantee.
4. Do not work for long time, when not using, please cut off the power.
5. Avoid the machine dropping into the water and using in the bad condition.
6. Check the power to match well with 12V Car Cigarette Lighter before using.
7. Take notice of the smooth floor and loading capacity when using, also pay attention to finding the exact loading position of the car before the operation of lifting.
8. Do not overload when using the machine, make sure to keep upright with the lifting car at the same time, never operate it aslant.
9. Do not pull the power cable casually when using, avoid the cable broken or short circuit.
10. Make sure the car park in one side and close the engine before using.
11. In the process of using the machine, ensure the operator stay with it all time, in case the operator have to leave for a short while, please shut off the machine first.
12. The machine adopts the power of precise hydraulic oil, please keep the adequate ventilation, avoid doing it in the environment of high temperature and rather low temperature, while the suitable temperature should be from -15°C to 50°C .
13. Solo se puede utilizar para el mantenimiento del vehículo, no para otros fines.

PRECAUCIÓN: ¡El peso máximo de carga del modelo es de 5T!

1) Advantages

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

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.

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

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

2) Packing List

1. Portable Multifunctional Electric Jack One Piece
2. Instruction Manual One Piece
3. Mini tool bag: The inflating needle, one of American-type Inflatable head, one of British-type Inflatable head, one of fuse for cigarette lighter, one of six-angle spanner

3) Introduction



Diagram One:

NO.	NAME	FUNCTION DESCRIPTION
1	Pressure Rod	The rod is for lifting
2	Handle	If moving the jack, pls hold here
3	Baseplate	Make the loading stable
4	Rubber Foot	Shockproof and Anti-slidding
5	Line Winding Box	The box is used for collecting the lines

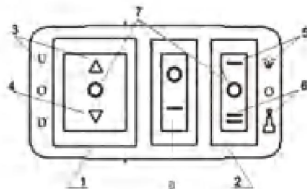
Diagram Two:

NO.	NAME	FUNCTION DESCRIPTION
1	Switches	Pls check Diagram Three
2	Tool Box	Put the tools and collect the air hose here
3	Pressure Gauge	Show the pressure
4	Safety Valve	Unlock the pressure rod in emergency
5	Protective Pad	Lift the protective pad
6	Adjusting Screw	Adjust the distance of the pressure rod and automobile chassis



Diagram Three:

No.	NAME	FUNCTION DESCRIPTION
1	Direction Switch	Up/Close/Down
2	Function Switch	Inflation/Close/Lift
3	U	Up
4	D	Down
5	Air Bag	Inflation
6	Jack	Lift
7	O	Close
8	—	The lamp



4) Application Method

Jack Function:

- (1) Stop the car, tension the car brake.
- (2) Check the switch whether it is to the close position, it should be to "O" state, if no, please do it so first, then connect the power plug into the car cigarette lighter.
- (3) 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.
- (4) 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.
- (5) After changing the tyre, adjust the direction switch to "Down", the jack would start to fall in constant speed.
- (6) Finish all, please collect the cables and tools in the line winding box.

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.

	135 - 360 mm
	155-450 mm
Extra Superior	155-450 mm/155-530 mm
Tamaño del gato	31*15,5*15

Normal: 4,8 kg Alto: 4,8 kg Extra Alto: 8 kg

5) Specification

a. For Jack:

Input Voltage	DC12V
Rated Power	180W
Rated Current	15A
Fuse	15A
Length of Power Cable	4m
Max Loading car weighth	5T
Lifting Range	135 - 360 mm 155-450 mm
Working Temperature	Extra Superior 155-450 mm/155-530 mm -15~50°C
Jack Size	331*155*15cm
Weight	Normal: 4,8 kg Alto: 4,8 kg Extra Alto: 8 kg

b. For Inflator Pump:

Input Voltage	DC12V
Inflating Speed	35L/min
Working Current	10A
Pressure	10BAR/150PSI
Length of Air Hose	600mm
Cylinder Diameter	25mm

6) 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.
- 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.
- Whether the plug for the power cable of jack is loosen with the jack or falling off.

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

2. Not Inflating

- Check whether starting the inflator pump.
- Whether the gas nozzle of air hose is rightly connected with tyre gas nozzle.
- Inspect the air hose whether leaking air because of being destroyed in emergency.

3. The pressure rod couldn't be risen

- Confirm whether starting the motor.
- Whether the function switch is adjusted to the JACK function position, and also check the direction switch for "Up" / "Down".
- 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.
- Not using for long time maybe cause the oil is not smooth, please first press "Down" switch for starting one minute, then press "Up" switch.

4. The pressure rod couldn't be fallen

- Confirm whether starting the motor.
- Whether the function switch is adjusted to the JACK function position, and also check the direction switch for "Up" / "Down".
- Not using for long time maybe cause the oil is not smooth, please first press "Up" switch for starting five seconds, then press "Down" switch.

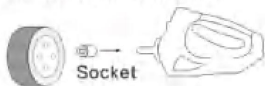
Remove the head of safety valve(See Diagram Two, point 4), loose the safety valve with six-angle spanner(rotate about half circle by anticlockwise), till the pressure rod falls to the prior position, then tightening it.

Electric Wrench (ZSB02)

Operation

1. Turn on the power of the car.
2. Plug into cigarette lighter or connect with the car's battery.
3. Choose the proper socket to the wrench's shaft. (FIG.1)
4. According to thread direction, press switch for tightening or loosening. (Do the reverse for L. T. screw) (FIG.2)
5. Press left side of the switch (with mark II) to start operation, and each nut will be loosened after two or three times of "clatter" sound.
NB: If the wrench pins with out impacting. Please start engine for maximum voltage.
6. Press right side of switch (with mark) to tighten nuts, it will be tight enough after two or three times of "clatter" sound.

OPERATION CHART



Choose and apply the correct socket to the wrench head
(FIG.1)



Apply the wrench to wheel Nut and Press the Upper side of the switch (with mark '-') to start .Nut will be loosened in 3 seconds .
(FIG.2)

HOW TO REPLACE THE FUSE IN THE 12V PLUG

1. To replace the fuse in the plug, twist off the upper cover.
2. Remove the faulty fuse and insert a new one.
3. Twist the cover back on the plug. A spare fuse is enclosed in the case.



Caution

1. This tool can only be applied to DC12v Power.
2. Do not use the tool continuously more than 10 minutes.
3. Do not touch the shaft head with hand during operation.
4. When using the clips to car's battery, please make sure to connect clips to correct terminals of the battery. Red to positive and black to negative.
5. Do not use sockets not included in this kit.
6. New fuse's rated current should be or less than 12A.
7. Turn off the switch 3-5 seconds after the "clatter" sound is heard, the continue the operation.
8. The manufacturer recommends checking the tightness of the wheel nuts with a wheel brace after tightening with the impact wrench. The impact wrench is only for emergency use. Use a professional torque wrench to recheck the correct torque as soon as possible.
9. The manufacturer takes no responsibility for incorrect usage of this product and the impact wrench are only designed to loosen and tighten car wheel nuts'.

Troubleshooting

DANGER - Risk of fatal electric shocks.

Only have repairs to the tool or the power cord carried out by a professional experience technician.

1. Impact wrench will not start.

Is the car battery dead?

Is the cigarette lighter faulty?

Is the fuse in the impact wrench faulty?

2. Wheel nut cannot be unscrewed or tightened.

Has the correct rotational direction been selected?



Input Voltage	DC12V
Power	80W
Rated Current	13A
Fuse	15A
Max.Torque	450N.M

Contenido del paquete

No.	Nombre	Cantidad
1	Gato hidráulico eléctrico	
2	Llave eléctrica	1
3	Martillo de rescate de seguridad	1
4	Cable de alimentación (4 m)	1
5	Clip de batería	1
6	Guante	1
7	Cable fusible	2
8	Enchufe	2
9	Llave de seis ángulos	1
10	Boquilla de llenado de aire	3
11	Estuche de transporte	1
12	Manual de usuario	1

PODNOŚNIK HYDRAULICZNY ELEKTRYCZNY (ZESTAWY)
INSTRUKCJA OBSŁUGI

ELEKTRYCZNY HYDRAULICZNY
INSTRUKCJA OBSŁUGI JACK (ZESTAWY)

MODEL:ZSY01 2+ZSB02

(Uwaga: Zestawy zawierają modele ZSY01 2 i ZSB02)



Electric Hydraulic Jack(ZSY01-2)

Safety Warning



1. Please read this manual carefully before using.
2. The material of the cover is plastic, which is easy to break, please handle it with care when using. Then if carrying it, please with the handle, NOT lifting the pressure rod.
3. Do not overhaul the machine to avoid destroying the machine and lose the right of Guarantee.
4. Do not work for long time, when not using, please cut off the power.
5. Avoid the machine dropping into the water and using in the bad condition.
6. Check the power to match well with 12V Car Cigarette Lighter before using.
7. Take notice of the smooth floor and loading capacity when using, also pay attention to finding the exact loading position of the car before the operation of lifting.
8. Do not overload when using the machine, make sure to keep upright with the lifting car at the same time, never operate it aslant.
9. Do not pull the power cable casually when using, avoid the cable broken or short circuit.
10. Make sure the car park in one side and close the engine before using.
11. In the process of using the machine, ensure the operator stay with it all time, in case the operator have to leave for a short while, please shut off the machine first.
12. The machine adopts the power of precise hydraulic oil, please keep the adequate ventilation, avoid doing it in the environment of high temperature and rather low temperature, while the suitable temperature should be from -15°C to 50°C .
13. Można go używać wyłącznie do konserwacji samochodu, nie wolno go używać do innych celów.

UWAGA: Maksymalna masa ładunku w samochodzie wynosi 5T!

1) Advantages

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

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.

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

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

2) Packing List

1. Portable Multifunctional Electric Jack One Piece
2. Instruction Manual One Piece
3. Mini tool bag: The inflating needle, one of American-type Inflatable head, one of British-type Inflatable head, one of fuse for cigarette lighter, one of six-angle spanner

3) Introduction

Diagram One:

NO.	NAME	FUNCTION DESCRIPTION
1	Pressure Rod	The rod is for lifting
2	Handle	If moving the jack, pls hold here
3	Baseplate	Make the loading stable
4	Rubber Foot	Shockproof and Anti-slidding
5	Line Winding Box	The box is used for collecting the lines



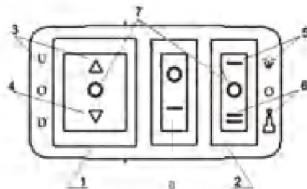
Diagram Two:

NO.	NAME	FUNCTION DESCRIPTION
1	Switches	Pls check Diagram Three
2	Tool Box	Put the tools and collect the air hose here
3	Pressure Gauge	Show the pressure
4	Safety Valve	Unlock the pressure rod in emergency
5	Protective Pad	Lift the protective pad
6	Adjusting Screw	Adjust the distance of the pressure rod and automobile chassis



Diagram Three:

No.	NAME	FUNCTION DESCRIPTION
1	Direction Switch	Up/Close/Down
2	Function Switch	Inflation/Close/Lift
3	U	Up
4	D	Down
5	Air Bag	Inflation
6	Jack	Lift
7	O	Close
8	—	The lamp



4) Application Method

Jack Function:

- (1) Stop the car, tension the car brake.
- (2) Check the switch whether it is to the close position, it should be to "O" state, if no, please do it so first, then connect the power plug into the car cigarette lighter.
- (3) 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.
- (4) 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.
- (5) After changing the tyre, adjust the direction switch to "Down" , the jack would start to fall in constant speed.
- (6) Finish all, please collect the cables and tools in the line winding box.

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.

135 - 360 mm

155 - 450 mm

Ekstra wyższy

155-450 mm/155-530 mm

Rozmiar gniazda

Wymiary: 31*15,5*15

Normalny: 4,8 kg WysokieKG Bardzo wysokie: 8 kg

5) Specification

a. For Jack:

Input Voltage	DC12V
Rated Power	180W
Rated Current	15A
Fuse	15A
Length of Power Cable	4m
Max Loading car weight	5T
Lifting Range	135 - 360 mm 155 - 450 mm
Working Temperature	155-450 mm/155-530 mm -15~50°C
Jack Size	31*15.5*15cm
Weight	4.8kg

b. For Inflator Pump:

Input Voltage	DC12V
Inflating Speed	35L/min
Working Current	10A
Pressure	10BAR/150PSI
Length of Air Hose	600mm
Cylinder Diameter	25mm

6) 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.
- 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.
- Whether the plug for the power cable of jack is loosen with the jack or falling off.

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

2. Not Inflating

- Check whether starting the inflator pump.
- Whether the gas nozzle of air hose is rightly connected with tyre gas nozzle.
- Inspect the air hose whether leaking air because of being destroyed in emergency.

3. The pressure rod couldn't be risen

- Confirm whether starting the motor.
- Whether the function switch is adjusted to the JACK function position, and also check the direction switch for "Up" / "Down".
- 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.
- Not using for long time maybe cause the oil is not smooth, please first press "Down" switch for starting one minute, then press "Up" switch.

4. The pressure rod couldn't be fallen

- Confirm whether starting the motor.
- Whether the function switch is adjusted to the JACK function position, and also check the direction switch for "Up" / "Down".
- Not using for long time maybe cause the oil is not smooth, please first press "Up" switch for starting five seconds, then press "Down" switch.

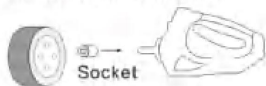
Remove the head of safety valve(See Diagram Two, point 4), loose the safety valve with six-angle spanner(rotate about half circle by anticlockwise), till the pressure rod falls to the prior position, then tightening it.

Electric Wrench (ZSB02)

Operation

1. Turn on the power of the car.
2. Plug into cigarette lighter or connect with the car's battery.
3. Choose the proper socket to the wrench's shaft. (FIG.1)
4. According to thread direction, press switch for tightening or loosening. (Do the reverse for L. T. screw) (FIG.2)
5. Press left side of the switch (with mark II) to start operation, and each nut will be loosened after two or three times of "clatter" sound.
NB: If the wrench pins with out impacting. Please start engine for maximum voltage.
6. Press right side of switch (with mark) to tighten nuts, it will be tight enough after two or three times of "clatter" sound.

OPERATION CHART



Choose and apply the correct socket to the wrench head
(FIG.1)



Apply the wrench to wheel Nut and Press the Upper side of the switch (with mark "I") to start .Nut will be loosened in 3 seconds .
(FIG.2)

HOW TO REPLACE THE FUSE IN THE 12V PLUG

1. To replace the fuse in the plug, twist off the upper cover.
2. Remove the faulty fuse and insert a new one.
3. Twist the cover back on the plug. A spare fuse is enclosed in the case.



Caution

1. This tool can only be applied to DC12v Power.
2. Do not use the tool continuously more than 10 minutes.
3. Do not touch the shaft head with hand during operation.
4. When using the clips to car's battery, please make sure to connect clips to correct terminals of the battery. Red to positive and black to negative.
5. Do not use sockets not included in this kit.
6. New fuse's rated current should be or less than 12A.
7. Turn off the switch 3-5 seconds after the "clatter" sound is heard, the continue the operation.
8. The manufacturer recommends checking the tightness of the wheel nuts with a wheel brace after tightening with the impact wrench. The impact wrench is only for emergency use. Use a professional torque wrench to recheck the correct torque as soon as possible.
9. The manufacturer takes no responsibility for incorrect usage of this product and the impact wrench are only designed to loosen and tighten car wheel nuts'.

Troubleshooting

DANGER - Risk of fatal electric shocks.

Only have repairs to the tool or the power cord carried out by a professional experience technician.

1. Impact wrench will not start.

Is the car battery dead?

Is the cigarette lighter faulty?

Is the fuse in the impact wrench faulty?

2. Wheel nut cannot be unscrewed or tightened.

Has the correct rotational direction been selected?



Input Voltage	DC12V
Power	80W
Rated Current	13A
Fuse	15A
Max.Torque	450N.M

Zawartość opakowania

NIE.	Nazwa	Ilość 1
1	Podnośnik hydrauliczny elektryczny	
2	Klucz elektryczny	1
3	Młotek ratowniczy bezpieczeństwa	1
4	Linia energetyczna (4m)	1
5	Zacisk baterii	1
6	Rękawica	1
7	Przewód bezpiecznikowy	2
8	Gniazdo	2
9	Klucz kątowy sześciokątny	1
10	Dysza do napełniania powietrzem	3
11	Etui transportowe	1
12	Instrukcja obsługi	1

ELEKTRISCHE HYDRAULISCHE KRIK (KITS)
GEBRUIKERSHANDLEIDING

**ELEKTRISCH HYDRAULISCH
JACK (KITS) GEBRUIKERSHANDLEIDING**

MODEL:ZSY01 2+ZSB02

(Let op: Kits bevatten modellen ZSY01 2 en ZSB02)



Electric Hydraulic Jack(ZSY01-2)

Safety Warning



1. Please read this manual carefully before using.
2. The material of the cover is plastic, which is easy to break, please handle it with care when using. Then if carrying it, please with the handle, NOT lifting the pressure rod.
3. Do not overhaul the machine to avoid destroying the machine and lose the right of Guarantee.
4. Do not work for long time, when not using, please cut off the power.
5. Avoid the machine dropping into the water and using in the bad condition.
6. Check the power to match well with 12V Car Cigarette Lighter before using.
7. Take notice of the smooth floor and loading capacity when using, also pay attention to finding the exact loading position of the car before the operation of lifting.
8. Do not overload when using the machine, make sure to keep upright with the lifting car at the same time, never operate it aslant.
9. Do not pull the power cable casually when using, avoid the cable broken or short circuit.
10. Make sure the car park in one side and close the engine before using.
11. In the process of using the machine, ensure the operator stay with it all time, in case the operator have to leave for a short while, please shut off the machine first.
12. The machine adopts the power of precise hydraulic oil, please keep the adequate ventilation, avoid doing it in the environment of high temperature and rather low temperature, while the suitable temperature should be from -15°C to 50°C .
13. Het mag alleen gebruikt worden voor auto-onderhoud, niet voor andere doeleinden.

LET OP: Het maximale laadgewicht van de wagen is 5T!

1) Advantages

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

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.

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

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

2) Packing List

1. Portable Multifunctional Electric Jack One Piece
2. Instruction Manual One Piece
3. Mini tool bag: The inflating needle, one of American-type Inflatable head, one of British-type Inflatable head, one of fuse for cigarette lighter, one of six-angle spanner

3) Introduction



Diagram One:

NO.	NAME	FUNCTION DESCRIPTION
1	Pressure Rod	The rod is for lifting
2	Handle	If moving the jack, pls hold here
3	Baseplate	Make the loading stable
4	Rubber Foot	Shockproof and Anti-slidding
5	Line Winding Box	The box is used for collecting the lines

Diagram Two:

NO.	NAME	FUNCTION DESCRIPTION
1	Switches	Pls check Diagram Three
2	Tool Box	Put the tools and collect the air hose here
3	Pressure Gauge	Show the pressure
4	Safety Valve	Unlock the pressure rod in emergency
5	Protective Pad	Lift the protective pad
6	Adjusting Screw	Adjust the distance of the pressure rod and automobile chassis

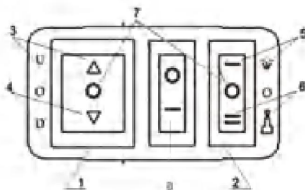


Diagram Three:

No.	NAME	FUNCTION DESCRIPTION
1	Direction Switch	Up/Close/Down
2	Function Switch	Inflation/Close/Lift
3	U	Up
4	D	Down
5	Air Bag	Inflation
6	Jack	Lift
7	O	Close
8	—	The lamp

4) Application Method

Jack Function:

- (1) Stop the car, tension the car brake.
- (2) Check the switch whether it is to the close position, it should be to "O" state, if no, please do it so first, then connect the power plug into the car cigarette lighter.
- (3) 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.
- (4) 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.
- (5) After changing the tyre, adjust the direction switch to "Down" , the jack would start to fall in constant speed.
- (6) Finish all, please collect the cables and tools in the line winding box.

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.

	135 - 360mm
	155 - 450mm
Extra Hoger	155-450mm/155-530mm
Jack-formaat	31*15,5*15

Normaal:4,8 kg Hoog kg Extra hoog:8 kg

5) Specification

a. For Jack:

Input Voltage	DC12V
Rated Power	180W
Rated Current	15A
Fuse	15A
Length of Power Cable	4m
Max Loading car weighth	5T
Lifting Range	135 - 360mm 155 - 450mm
Working Temperature	155-450mm/155-530mm -15~50°C
Jack Size	331*155*15cm
Weight	4.8kg

b. For Inflator Pump:

Input Voltage	DC12V
Inflating Speed	35L/min
Working Current	10A
Pressure	10BAR/150PSI
Length of Air Hose	600mm
Cylinder Diameter	25mm

6) 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.
- 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.
- Whether the plug for the power cable of jack is loosen with the jack or falling off.

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

2. Not Inflating

- Check whether starting the inflator pump.
- Whether the gas nozzle of air hose is rightly connected with tyre gas nozzle.
- Inspect the air hose whether leaking air because of being destroyed in emergency.

3. The pressure rod couldn't be risen

- Confirm whether starting the motor.
- Whether the function switch is adjusted to the JACK function position, and also check the direction switch for "Up" / "Down".
- 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.
- Not using for long time maybe cause the oil is not smooth, please first press "Down" switch for starting one minute, then press "Up" switch.

4. The pressure rod couldn't be fallen

- Confirm whether starting the motor.
- Whether the function switch is adjusted to the JACK function position, and also check the direction switch for "Up" / "Down".
- Not using for long time maybe cause the oil is not smooth, please first press "Up" switch for starting five seconds, then press "Down" switch.

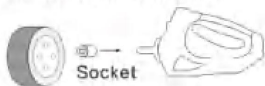
Remove the head of safety valve(See Diagram Two, point 4), loose the safety valve with six-angle spanner(rotate about half circle by anticlockwise), till the pressure rod falls to the prior position, then tightening it.

Electric Wrench (ZSB02)

Operation

1. Turn on the power of the car.
2. Plug into cigarette lighter or connect with the car's battery.
3. Choose the proper socket to the wrench's shaft. (FIG.1)
4. According to thread direction, press switch for tightening or loosening. (Do the reverse for L. T. screw) (FIG.2)
5. Press left side of the switch (with mark II) to start operation, and each nut will be loosened after two or three times of "clatter" sound.
NB: If the wrench pins with out impacting. Please start engine for maximum voltage.
6. Press right side of switch (with mark) to tighten nuts, it will be tight enough after two or three times of "clatter" sound.

OPERATION CHART



Choose and apply the correct socket to the wrench head
(FIG.1)



Apply the wrench to wheel Nut and Press the Upper side of the switch (with mark "I") to start .Nut will be loosened in 3 seconds .
(FIG.2)

HOW TO REPLACE THE FUSE IN THE 12V PLUG

1. To replace the fuse in the plug, twist off the upper cover.
2. Remove the faulty fuse and insert a new one.
3. Twist the cover back on the plug. A spare fuse is enclosed in the case.



Caution

1. This tool can only be applied to DC12v Power.
2. Do not use the tool continuously more than 10 minutes.
3. Do not touch the shaft head with hand during operation.
4. When using the clips to car's battery, please make sure to connect clips to correct terminals of the battery. Red to positive and black to negative.
5. Do not use sockets not included in this kit.
6. New fuse's rated current should be or less than 12A.
7. Turn off the switch 3-5 seconds after the "clatter" sound is heard, the continue the operation.
8. The manufacturer recommends checking the tightness of the wheel nuts with a wheel brace after tightening with the impact wrench. The impact wrench is only for emergency use. Use a professional torque wrench to recheck the correct torque as soon as possible.
9. The manufacturer takes no responsibility for incorrect usage of this product and the impact wrench are only designed to loosen and tighten car wheel nuts'.

Troubleshooting

DANGER - Risk of fatal electric shocks.

Only have repairs to the tool or the power cord carried out by a professional experience technician.

1. Impact wrench will not start.

Is the car battery dead?

Is the cigarette lighter faulty?

Is the fuse in the impact wrench faulty?

2. Wheel nut cannot be unscrewed or tightened.

Has the correct rotational direction been selected?



Input Voltage	DC12V
Power	80W
Rated Current	13A
Fuse	15A
Max.Torque	450N.M

Inhoud van het pakket

Nee.	Naam	Hoeveelheid
1	Elektrische hydraulische krik	1
2	Elektrische sleutel	1
3	Veiligheidsreddingshamer	1
4	Elektriciteitsleiding (4m)	1
5	Batterijclip	1
6	Handschoen	1
7	Zekering draad	2
8	Stopcontact	2
9	Zeshoekige steeksleutel	1
10	Luchtvlmondstuk	3
11	Draagtas	1
12	Gebruiksaanwijzing	1

ELEKTRISKA HYDRAULISKA jack (KIT) ANVÄNDARMANUAL

ELEKTRISK HYDRAULIK JACK (KIT) ANVÄNDARHANDBOK

MODELL: ZSY01 2+ZSB02

(Obs: Kit som innehåller modellerna ZSY01 2 och ZSB02)



Electric Hydraulic Jack(ZSY01-2)

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2. The material of the cover is plastic, which is easy to break, please handle it with care when using. Then if carrying it, please with the handle, NOT lifting the pressure rod.
3. Do not overhaul the machine to avoid destroying the machine and lose the right of Guarantee.
4. Do not work for long time, when not using, please cut off the power.
5. Avoid the machine dropping into the water and using in the bad condition.
6. Check the power to match well with 12V Car Cigarette Lighter before using.
7. Take notice of the smooth floor and loading capacity when using, also pay attention to finding the exact loading position of the car before the operation of lifting.
8. Do not overload when using the machine, make sure to keep upright with the lifting car at the same time, never operate it aslant.
9. Do not pull the power cable casually when using, avoid the cable broken or short circuit.
10. Make sure the car park in one side and close the engine before using.
11. In the process of using the machine, ensure the operator stay with it all time, in case the operator have to leave for a short while, please shut off the machine first.
12. The machine adopts the power of precise hydraulic oil, please keep the adequate ventilation, avoid doing it in the environment of high temperature and rather low temperature, while the suitable temperature should be from -15°C to 50°C .
13. Den kan endast användas för bilunderhåll, inte för andra ändamål.

WARNING: Den maximala lastbilens vikt är 5T modell!

1) Advantages

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

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.

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3) Introduction



Diagram One:

NO.	NAME	FUNCTION DESCRIPTION
1	Pressure Rod	The rod is for lifting
2	Handle	If moving the jack, pls hold here
3	Baseplate	Make the loading stable
4	Rubber Foot	Shockproof and Anti-slidding
5	Line Winding Box	The box is used for collecting the lines

Diagram Two:

NO.	NAME	FUNCTION DESCRIPTION
1	Switches	Pls check Diagram Three
2	Tool Box	Put the tools and collect the air hose here
3	Pressure Gauge	Show the pressure
4	Safety Valve	Unlock the pressure rod in emergency
5	Protective Pad	Lift the protective pad
6	Adjusting Screw	Adjust the distance of the pressure rod and automobile chassis

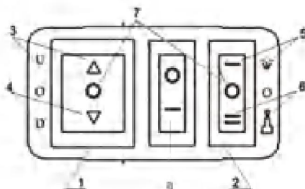


Diagram Three:

No.	NAME	FUNCTION DESCRIPTION
1	Direction Switch	Up/Close/Down
2	Function Switch	Inflation/Close/Lift
3	U	Up
4	D	Down
5	Air Bag	Inflation
6	Jack	Lift
7	O	Close
8	—	The lamp

4) Application Method

Jack Function:

- (1) Stop the car, tension the car brake.
- (2) Check the switch whether it is to the close position, it should be to "O" state, if no, please do it so first, then connect the power plug into the car cigarette lighter.
- (3) 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.
- (4) 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.
- (5) After changing the tyre, adjust the direction switch to "Down" , the jack would start to fall in constant speed.
- (6) Finish all, please collect the cables and tools in the line winding box.

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.

	135 - 360 mm
	155 - 450 mm
Extra högre	155-450mm/155-530mm
Jack storlek	31*15,5*15
	Normal:4,8KG HigheKG Extra Highe.8KG

5) Specification

a. For Jack:

Input Voltage	DC12V
Rated Power	180W
Rated Current	15A
Fuse	15A
Length of Power Cable	4m
Max Loading car weighth	5T
Lifting Range	135 - 360 mm 155 - 450 mm
Working Temperature	155-450mm/155-530mm -15~50℃
Jack Size	31*15.5*15cm
Weight	4.9kg

b. For Inflator Pump:

Input Voltage	DC12V
Inflating Speed	35L/min
Working Current	10A
Pressure	10BAR/150PSI
Length of Air Hose	600mm
Cylinder Diameter	25mm

6) 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.
- 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.
- Whether the plug for the power cable of jack is loosen with the jack or falling off.

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

2. Not Inflating

- Check whether starting the inflator pump.
- Whether the gas nozzle of air hose is rightly connected with tyre gas nozzle.
- Inspect the air hose whether leaking air because of being destroyed in emergency.

3. The pressure rod couldn't be risen

- Confirm whether starting the motor.
- Whether the function switch is adjusted to the JACK function position, and also check the direction switch for "Up" / "Down".
- 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.
- Not using for long time maybe cause the oil is not smooth, please first press "Down" switch for starting one minute, then press "Up" switch.

4. The pressure rod couldn't be fallen

- Confirm whether starting the motor.
- Whether the function switch is adjusted to the JACK function position, and also check the direction switch for "Up" / "Down".
- Not using for long time maybe cause the oil is not smooth, please first press "Up" switch for starting five seconds, then press "Down" switch.

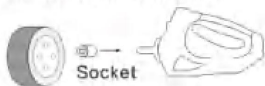
Remove the head of safety valve(See Diagram Two, point 4), loose the safety valve with six-angle spanner(rotate about half circle by anticlockwise), till the pressure rod falls to the prior position, then tightening it.

Electric Wrench (ZSB02)

Operation

1. Turn on the power of the car.
2. Plug into cigarette lighter or connect with the car's battery.
3. Choose the proper socket to the wrench's shaft. (FIG.1)
4. According to thread direction, press switch for tightening or loosening. (Do the reverse for L. T. screw) (FIG.2)
5. Press left side of the switch (with mark II) to start operation, and each nut will be loosened after two or three times of "clatter" sound.
NB: If the wrench pins with out impacting. Please start engine for maximum voltage.
6. Press right side of switch (with mark) to tighten nuts, it will be tight enough after two or three times of "clatter" sound.

OPERATION CHART



Choose and apply the correct socket to the wrench head
(FIG.1)



Apply the wrench to wheel Nut and Press the Upper side of the switch (with mark '-') to start .Nut will be loosened in 3 seconds .
(FIG.2)

HOW TO REPLACE THE FUSE IN THE 12V PLUG

1. To replace the fuse in the plug, twist off the upper cover.
2. Remove the faulty fuse and insert a new one.
3. Twist the cover back on the plug. A spare fuse is enclosed in the case.



Caution

1. This tool can only be applied to DC12v Power.
2. Do not use the tool continuously more than 10 minutes.
3. Do not touch the shaft head with hand during operation.
4. When using the clips to car's battery, please make sure to connect clips to correct terminals of the battery. Red to positive and black to negative.
5. Do not use sockets not included in this kit.
6. New fuse's rated current should be or less than 12A.
7. Turn off the switch 3-5 seconds after the "clatter" sound is heard, the continue the operation.
8. The manufacturer recommends checking the tightness of the wheel nuts with a wheel brace after tightening with the impact wrench. The impact wrench is only for emergency use. Use a professional torque wrench to recheck the correct torque as soon as possible.
9. The manufacturer takes no responsibility for incorrect usage of this product and the impact wrench are only designed to loosen and tighten car wheel nuts'.

Troubleshooting

DANGER - Risk of fatal electric shocks.

Only have repairs to the tool or the power cord carried out by a professional experience technician.

1. Impact wrench will not start.

Is the car battery dead?

Is the cigarette lighter faulty?

Is the fuse in the impact wrench faulty?

2. Wheel nut cannot be unscrewed or tightened.

Has the correct rotational direction been selected?



Input Voltage	DC12V
Power	80W
Rated Current	13A
Fuse	15A
Max.Torque	450N.M

Paketets innehåll

Inga.	Namn	Kvantitet 1
1	Elektrisk hydraulisk domkraft	
2	Elektrisk skiftnyckel	1
3	Säkerhetsräddningshammare	1
4	Kraftledning (4m)	1
5	Batteriklämma	1
6	Handske	1
7	Säkringstråd	2
8	Uttag	2
9	Sexvinkelnnyckel	1
10	Luftpåfyllningsmunstycke	3
11	Bärväska	1
12	Användarmanual	1

