

JD-PSE16 USER MANUAL



1.Safety instructions

Correct training is required. Personnel who are not properly trained are not allowed to operate the strapping machine. Incorrect operation may result in equipment damage or personal injury.

1.1 Battery operation

*Environmental protection

Please do not throw the used battery into the household garbage can or waste water bucket, please do not hit or burn the wasted battery.

* Short circuit hazard

Do not store the batteries with other metal objects.

Please do not disassemble the batteries yourself and store them in a dry and frost-resistant room. The ambient temperature must not be higher than 50 degrees.

Do not charge used batteries and please replace them with new ones when they are damaged or unusable.

1.2 Eye injury hazards

Please wear eye protection to prevent damage to your eyes when using this product.

1.3 Operation

Please read the instructions carefully and train properly before use.

Persons who have not been properly trained are not permissible to operate the baler, before tightening the straps, if the instructions are not followed or if the strapping is loaded unreasonably can lead to breakage of the strapping or machine failure. Do not put your hands on the binding area, the gluing area or the cutting area of the cutter until you are familiar with the baler. Place your hand on the binding area, the gluing area and the cutter cut-out.

1.4 Friction welding area

You should check the condition of the friction welding area and familiarise yourself with the control and adjustment of the friction time and tightening time. Irregular friction time may result in poor bonding and lead to serious damage, so please do not ship or transport boxes that have not been properly packed and handled.

1.5 Packing straps distribution

Please use the specially designed belt tray carriage to dispense the straps. When not in use, secure the end of the straps in the strapping fixing opening.

1.6 Straps warning

Do not use straps to drag or lift loads as this may result in damage to objects or personal injury.

1.7 Hazards of straps breakage

Improper operation; excessive tightened; not using the strapping as required will cause the tension force to be lost or the strapping to break, which may eventually cause the box/cargoes to be damaged and the object to be broken, the operator to lose balance and fall, or the strapping machine and the strapping to fly rapidly into the operator's face together causing injury

■Note:

*If the load is packed with sharp edges please add edge protection.

*Wrap the straps around the appropriate area to be strapped.

*The operator should not be in the same straight line position as the strapping machine during tightening and friction to prevent the baler and the straps from tipping over into the operator's face. And remind or ask bystanders to stay away from the operating area during operation. Please also use the strapping with the recommended width and strength specifications, which will help to improve the quality and efficiency of the packaging, as unsuitable strapping may cause the strapping to break or the box to come loose during transportation.

1.8 Cutting straps

When cutting the straps, please use the appropriate cutting tool and keep a safe distance from people, not in the same line as the straps and away from the loose direction of the strapping. Please

use the tools specifically designed for cutting straps, no hammers, pliers, axes, hacksaws etc.

1.9 Slip and fall hazards

Please keep the strapping area clean and tidy, as untidy work areas can cause accidents and falls can occur if you do not land well or are unbalanced before tension, especially in small work areas such as stairwells. Try to keep your balance when handling. Both feet must be on a flat and firm surface at the same time. Do not operate the device when you are unwell or in a difficult physical condition.

Please note the precautions mentioned specifically for the work area.

1.10 Dangers of the baler

- *Good maintenance of the baler is very necessary.

- *Check the baler parts regularly, if there is wear or damage, please do not continue to use the baler until the parts are replaced.

- *Do not use the baler without the straps

- *Do not modify the baler as this may cause personal injury.

2. Technical parameters

2.1 Description of the baler

The JD-PSE16 baler manufactured is strapped with pet or PP straps.

Manually wrap the straps on the cargo or box. After the straps end

is inserted into the baler, the tool will automatically tighten, seal and cut off the excess material belt.

2.2 Baler dimensions

Length: 370MM

Width: 140MM

Height: 120MM

Weight: 3.2KG(without battery)

Battery weight: 720g

2.3 Strapping materials

Straps material: PET (polyester) and PP (polypropylene) tape with flat or embossed surface.

Straps specifications: width 13-16MM, thickness 0.5-1.2MM. Please choose the appropriate size of straps according to the baler you buy.

2.4 Straps strength

Stretching force: adjustable from 60 to 2800 N, maximum value is determined by the material of the straps.

Strap feeding in speed: 50-150MM/S. Friction strength: approx. 75% of the strength value of the straps.

2.5 Working environment

The ambient temperature for operation is 5-45°C, with an optimum working temperature of 15-25°C.

Use or store with care to protect against water and moisture.

3 Accessories

■Note: Please use the attachments or accessories mentioned in the manual, the usage of other attachments may cause damage to the equipment or may cause person injury.

3.1 Rechargeable portable baler

As the baler uses nickel-cadmium (Nicc) nickel-metal hydride (NiMH) batteries, please purchase the batteries separately according to the following parameters.

Type:Lithium Battery Voltage:14.4V Capacity:3000MAH or 6000MAH (optional) ,10C.

3.2 Battery charger

Charger input voltage: AC 100-245V. 50/60HZ

Output voltage: DC16.8V,6A

Charging time: about 60minutes.

3.3 All tools are packed in cardboard + pearl cotton

3.4 Each unit comes with a set of common toolkit

4 Operations

4.1 Battery installation

*Do not leave baler batteries in the rain or water.

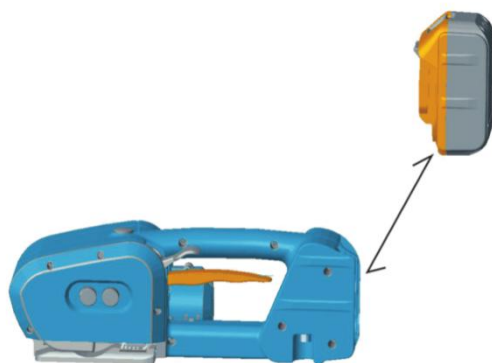
*For safety reasons the battery is delivered uncharged and

separated from the device, please follow the instructions for assembly.

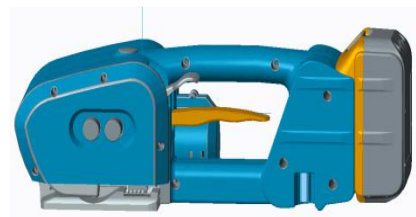
*Remove the battery by pressing the battery Clip Snap with your thumb and extracting it upwards or by releasing the Clip Snap after loading the battery.

*The indicator light is red when the battery is low, the indicator light is red when charging, the charging indicator light is green when charging is complete.

Battery disassembly diagram

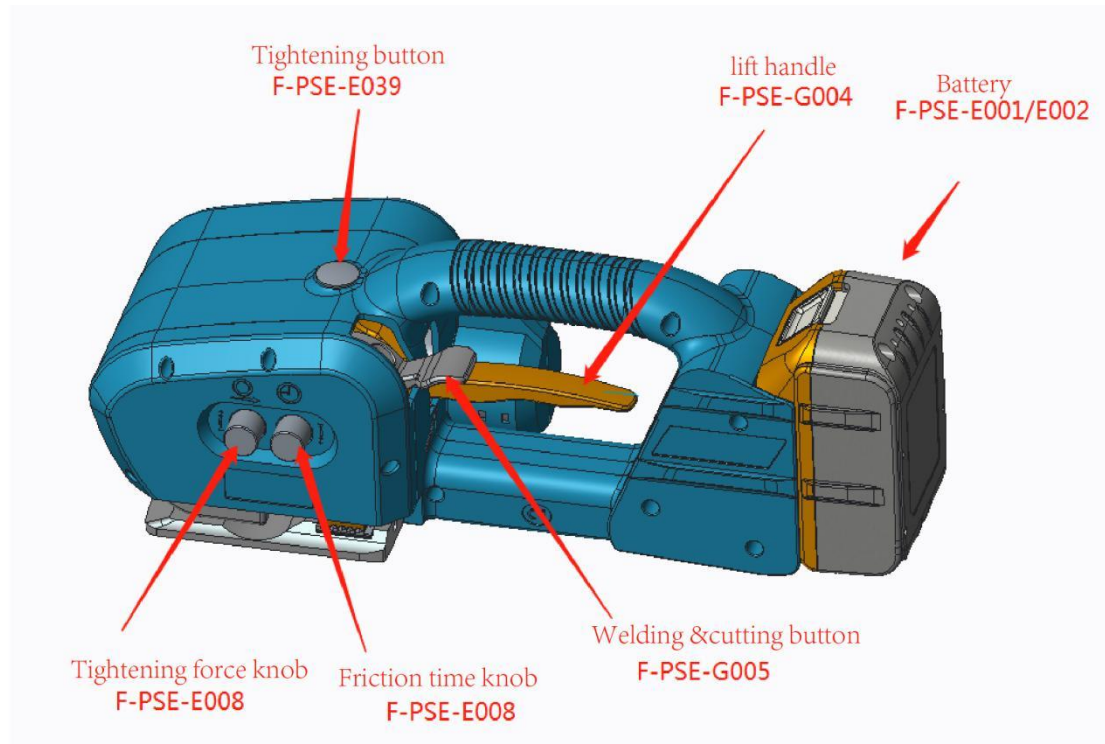


Unload battery



Loading battery

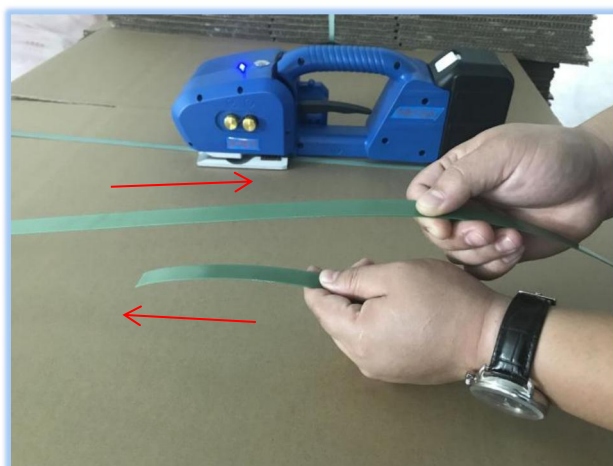
4.2 Operating elements



4.3 Baler operations

Step 1 Wrap and stack the straps

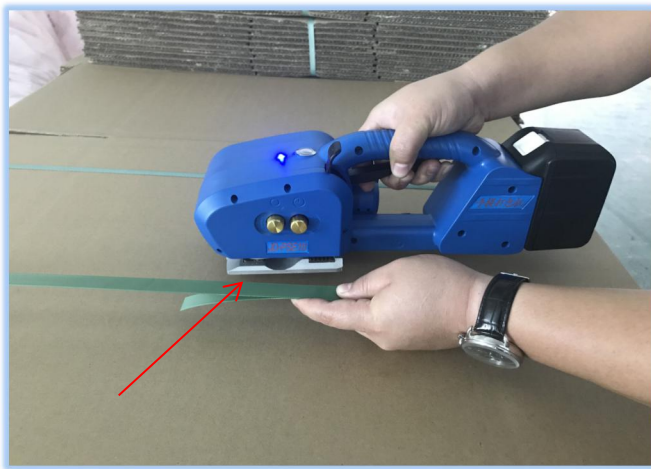
Please wrap the straps in the way as shown and do not allow the straps to get wet with oil or other debris at any time.



Step 2 inserts the straps into baler

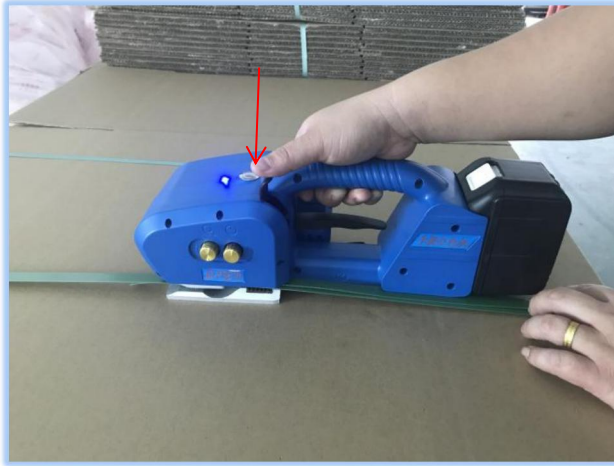
When inserting the straps, the straps in the direction of tension

must be stacked at the top end, the bottom strapping should be stretched to the bottom of the feeding wheel to cover the front of the tooth plate 5-10MM longer, when inserting the straps, please lift the handle with your right hand, insert the straps with your left hand, the upper and lower ends of straps must be stacked parallel to each other after releasing the lift handle.



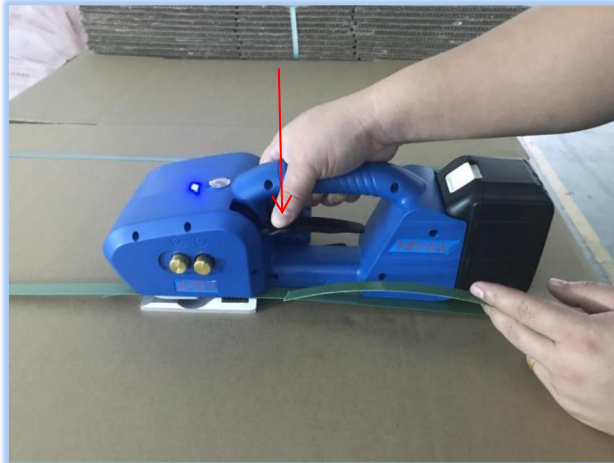
Step 3 Tighten or feeding in the straps

When you press the tightening button and release it, the baler will give you the default preset tightening time. When the tightness is not enough or too tight, adjust the tightening knob appropriately until it is appropriate. When tightening, keep the baler moving in parallel and the forward direction of the baler free of sundries.



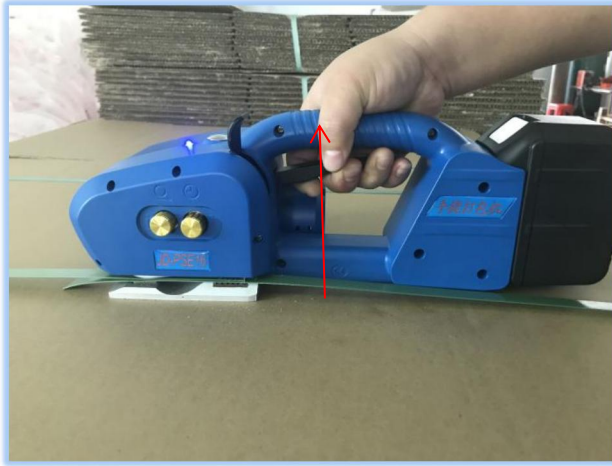
Step 4 Welding the straps

After pressing welding the button, the baler automatically seals and bonds straps(the time is preset by the system and can be increased or decreased clockwise or counterclockwise as required). The excess straps is automatically cutting off.

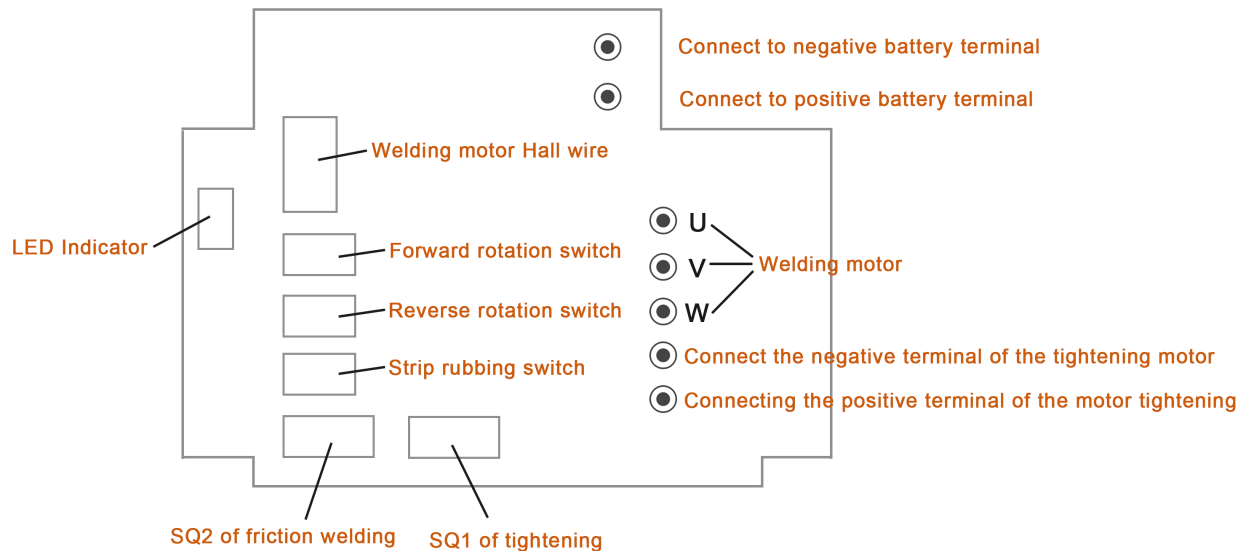


Step 5 Move away the baler

When the bonding operation is complete, lift the handle and feeding wheel run reversely to loose the straps accordingly and then move away the baler.



5 Electrical connections



6 Wear parts replacement & bonding state adjustment

■ Note: Please disconnect the power switch and remove the batteries before each service.

6.1 Wear parts replacement

Cutting knife (F-PSE-G016): first loosen the screw on top of the left cover (F-PSE-02) and remove it, then remove the screw on top of the cutting knife and remove the cutting knife to replace it, install

the cutting knife and put it back in the opposite order.

Tooth plate (F-PSE-G011): first remove the screws fixing the tooth plate and move it out of the way, eject the tooth plate and replace it, then assemble it in the opposite order.

Feeding wheel (F-PSE-G012): Please remove the left cover as described above, then remove the nut fixed on the connecting shaft (F-PSE-G021), then remove the cover of the binding wheel (F-PSE-G007) and replace the feeding wheel in the opposite order.

Lower friction part (F-PSE-G013): first loosen and remove the countersunk head screws fixed on the upper part of the Lower friction part, then remove the lower friction part from the bottom end and install it back in the reverse order for replacement.

6.2 Tightening, bonding and cutting adjustments

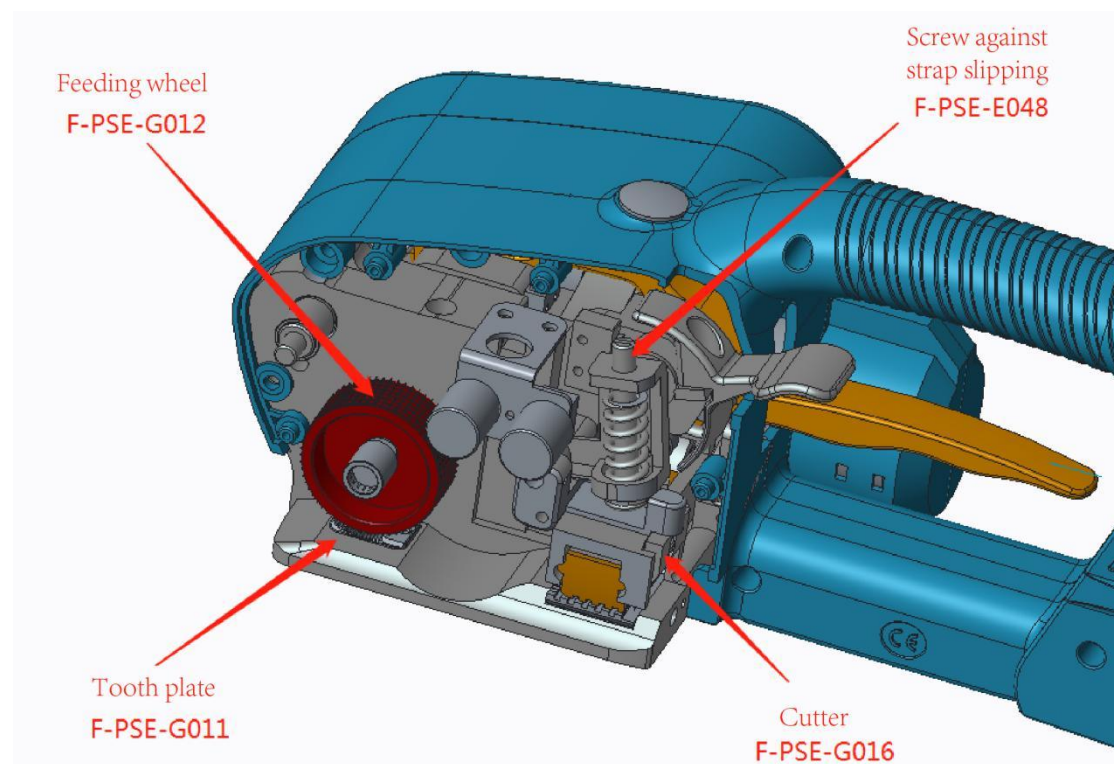
*If slipping during tightening, please try to loose the screws securing the tooth plate and install a tooth plate spacer (F-PSE-G028) to narrow the space between the feeding wheel and the tooth plate or replace the tooth plate / feeding wheel.

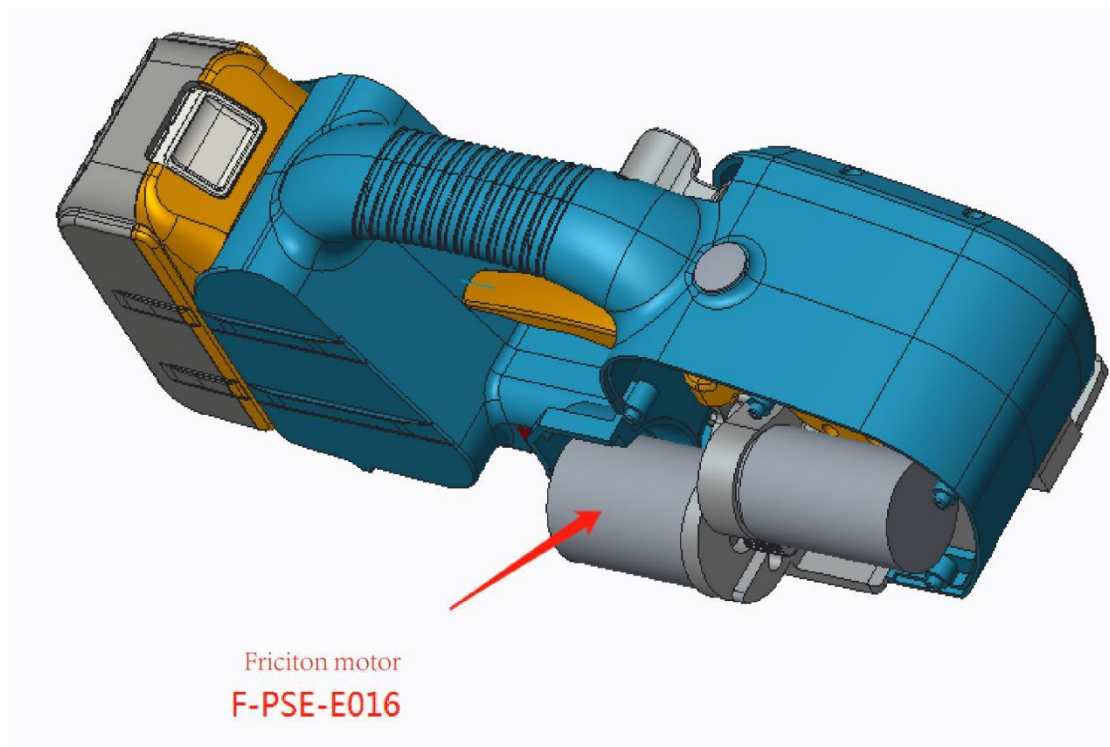
*When using straps of different thicknesses from 0.4 to 1.2 mm, adjust the gap between the upper friction part (F-PSE-G008) and the lower friction part (F-PSE-G013) in time, otherwise poor fusion connection will result. When adjusting the gap between the upper and lower friction parts, first remove the left plastic cover and then

loosely remove the welding&sealing button (F-PSE-G005) and then use a screwdriver to fix shaft (F-PSE-G022) and then turn the nut on top of the connecting shaft clockwise or counterclockwise, the gap between the upper and lower friction becomes larger when rotating clockwise and smaller when counterclockwise on the contrary.

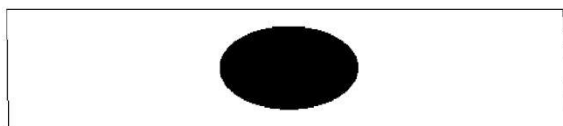
*Bonding&welding time is adjusted by two potentiometers (F-PSE-E008) on the left panel of the equipment, clockwise rotation increases the time, the welding time will become longer or the tightening force will become larger. The first knob on the left controls the tightening force and the second knob on the left controls the bonding &welding time.

*Refer to the following chart for wear part replacement and bonding&welding time (effect) adjustment.





Perfect friction time



Friction time is too short



Friction time is too long

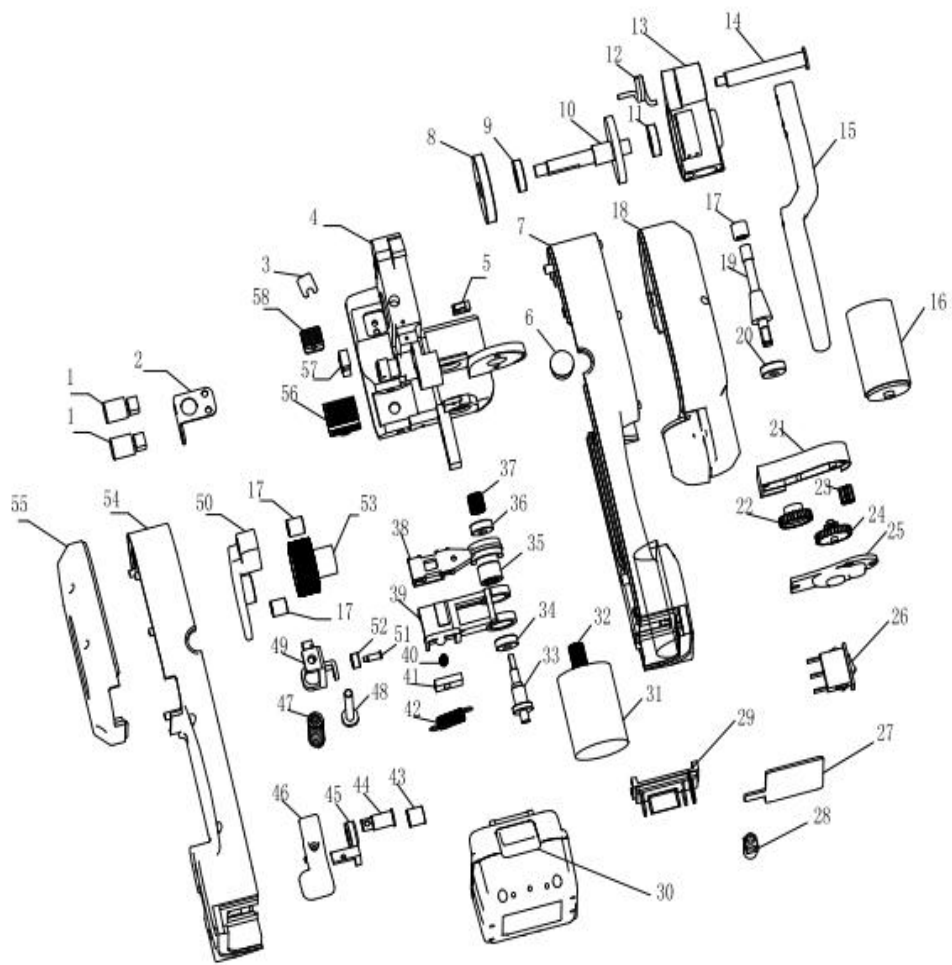
Diagram of welding & bonding effect

7 Common electrical faults

In the process of using, the baler tool suddenly jammed and LED

(F-PSE-E003) shows red when the baling belt stuck in the machine can not be taken out, please immediately turn power off, cut off the straps to remove the straps stuck in the tool, promptly charge the battery or replace the battery. When confirm the battery has power and the fault is not eliminated, you must remove the left and right plastic covers after removing the battery to check the tool, such as checking the switches or the wiring on each switch or on motors has not fallen off, or replace the micro switch or replace the friction sealing motor.

8 Product exploded view and parts list



Product breakdown diagram

| No. | Part Name | Qty. | Material Code | Drawing/Specifications |
|-----|------------------------|------|------------------|-------------------------|
| 1 | Tension force knob | 2 | JD-PSE-E008 | |
| 2 | Knob bracket | 1 | JD-PSE-G025 | DB-036 |
| 3 | Pad | 2 | JD-PSE-G028 | DB-037 |
| 4 | Base bracket | 1 | JD-PSE-G001 | DB-031 |
| 5 | Reverse switch | 1 | JD-PSE-E007 | Omron D2F-O1FL |
| 6 | Tension button | 1 | JD-PSE-E039 | 16mm Metal reset switch |
| 7 | Right side panel | 1 | JD-PSE-G03 | |
| 8 | Bearing cover | 1 | JD-PSE-G015 | DB-032 |
| 9 | 6900 bearing | 2 | JD-PSE-E010 | |
| 10 | Curved umbrella tooth | 1 | JD-PSE-G029 | DB-020 |
| 11 | 6900 bearing | 0 | JD-PSE-E010 | |
| 12 | Torsion spring | 1 | JD-PSE-G019 | |
| 13 | Reduction gearbox 2 | 1 | JD-PSE-G003 | |
| 14 | Connecting shaft | 1 | JD-PSE-G021 | DB-007 |
| 15 | Lift handle | 1 | JD-PSE-G004 | DB-027 |
| 16 | Tension motor | 1 | JD-PSE-E017 | |
| 17 | Bearing BK0810 | 2 | JD-PSE-E015 | BK0810 |
| 18 | Right cover | 1 | JD-PSE-G04/05 | |
| 19 | Worm | 1 | JD-PSE-E030 | DB-019 |
| 20 | Bearing 607 | 1 | JD-PSE-E012 | NSK607ZZ |
| 21 | Reduction gearbox 1 | 1 | JD-PSE-G002 | DB-033 |
| 22 | Connect-gear for worm | 1 | JD-PSE-G033 | DB-018-3 |
| 23 | Gear for tension motor | 1 | JD-PSE-G032 | DB-018-2 |
| 24 | Double gear | 1 | JD-PSE-G031 | DB-018-1 |
| 25 | Cover for gearbox | 1 | JD-PSE-G006 | DB-034 |
| 26 | Power switch | 1 | JD-PSE-E005 | KC-D3 |
| 27 | PCB board | 1 | JD-PSE-E019 | |
| 28 | DC adapter | 1 | JD-PSE-E037 | 5. 5-2. 1/2. 5 |
| 29 | Adapter frame | 1 | JD-PSE-G06 | |
| 30 | Battery | 1 | JD-PSE-E001/E002 | |

| No. | Part Name | Qty. | Material Code | Drawing/Specifications |
|-----|-------------------------|------|---------------|------------------------------------|
| 31 | Sealing motor | 1 | JD-PSE-E016 | |
| 32 | Synchronous pulley | 1 | JD-PSE-G034 | DB-015 |
| 33 | Eccentric shaft | 1 | JD-PSE-G024 | DB-005 |
| 34 | Bearing 606 | 1 | JD-PSE-E011 | NSK606ZZ |
| 35 | Bearing IKO | 1 | JD-PSE-E014 | IKO TAF101712 |
| 36 | Bearing 606 | 1 | JD-PSE-E011 | NSK606ZZ |
| 37 | Bearing BK0810 | 2 | JD-PSE-G035 | BK0810 |
| 38 | Upper friction part | 1 | JD-PSE-G008 | DB-023 |
| 39 | Friciton part bracket | 1 | JD-PSE-G009 | DB-024 |
| 40 | Compression spring 1 | 1 | JD-PSE-G018 | |
| 41 | Cutter | 1 | JD-PSE-G016 | DB-011 |
| 42 | Drag spring | 1 | JD-PSE-G017 | |
| 43 | Bearing sleeve | 3 | JD-PSE-E009 | Outer Φ 12inner Φ 10 H15 |
| 44 | Connecting pin | 1 | JD-PSE-G023 | DB-025 |
| 45 | Cam | 1 | JD-PSE-G014 | DB-022 |
| 46 | Sealing& cutting button | 1 | JD-PSE-G005 | DB-026 |
| 47 | Compression spring 2 | 1 | JD-PSE-G020 | |
| 48 | shaft | 1 | JD-PSE-G022 | DB-003 |
| 49 | Cam base | 1 | JD-PSE-G010 | DB-021 |
| 50 | Tension wheel cover | 1 | JD-PSE-G007 | DB-030 |
| 51 | Connect pin 4.0 | 1 | JD-PSE-E040 | |
| 52 | Cam driver | 1 | JD-PSE-G038 | DB-016 |
| 53 | Tension wheel | 1 | JD-PSE-G012 | DB-009 |
| 54 | Left side panel/housing | 1 | JD-PSE-G01 | |
| 55 | Left cover | 1 | JD-PSE-G02 | |
| 56 | Lower friction part | 1 | JD-PSE-G013 | DB-029 |
| 57 | Friciton switch | 1 | JD-PSE-E006 | Omron SS-5GL |
| 58 | Toothed plate | 1 | JD-PSE-G011 | DB-010 |
| 59 | Copper sleeve 810 | 1 | JD-PSE-E015-1 | |
| 60 | Bearing sleeve 1015 | 1 | JD-PSE-E009-2 | Outer Φ 12inner Φ 10 H15 |

Table 1: Comparison table of parts assembly


| <i>Item</i> | <i>Name</i> |  |
|-------------|--|--|
| 1 | <i>A set of tool</i> | |
| 2 | <i>Charger</i> | |
| 3 | <i>Metal plate (NOT STANDARD PART)</i> | |
| 4 | <i>Box with pearl foam</i> | |
| 5 | <i>User manual</i> | |
| 6 | <i>battery</i> | |
| 7 | <i>Screwdriver</i> | |

Table 2: List of other accessories

9 After Sales Service

9.1 Product warranty card

Warranty period: one year from the date of purchase for the whole tool.

Warranty instruction: During the warranty period, for any fault caused by the quality problem of the product itself, the user can contact the dealer or our after-sales service personnel with a valid purchase certificate to enjoy the warranty service.

| | | |
|---------------------|-------------------------|--|
| User information | Customer Name | |
| | Customer Address | |
| | Customer Phone | |
| Product information | Product type | |
| | Product number | |
| | Date of purchase | |
| | Where to buy | |
| | Purchase invoice number | |
| Dealer Information | Service outlets | |
| | Service calls | |
| | Free warranty period | 12 months from the date of purchase (based on the date mark on the tool) |

9.2 Description of the warranty

Note: The following situations are not covered by the product warranty

*Damage caused by the user not operating the product in accordance with its instruction manual.

*If the user uses, keeps or maintains the product improperly, drops it or damages it with water.

*Failure or damage to the product caused by the use or

replacement of parts not supplied by our company.

*Without a valid purchase invoice and warranty card, or if the purchase invoice is different from the machine model or Where the machine number does not match and where the purchase invoice has been altered.

*Whole tool and parts that have exceeded the warranty period.

*Cutting knives, timing belts, motors, PP housings/covers, supporting tools and other wear parts.

*Damage caused by other force majeure such as natural disasters.

9.3 Notes

1 This warranty card and a valid purchase invoice are important documents for the enjoyment of the product warranty service. Please keep it in a safe place.

2 Non-free warranty service range of products and services, the company's people are enthusiastic to provide you with a services for a fee.

3 Users in all regions of the country who need to purchase, repair or maintain the machine should call the company service

Hotline 0769-87287255/0769-87287355 or contact the company's sales and after-sales service person for help.

Email: jdpack_sales01@163.com

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