



Trouble shooting of JD-PSE16





Trouble lists

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Slip when tensioning

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Cutting failure

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Friction welding failure

4

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Tensioning failure

6

Light turns red when friction welding

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8

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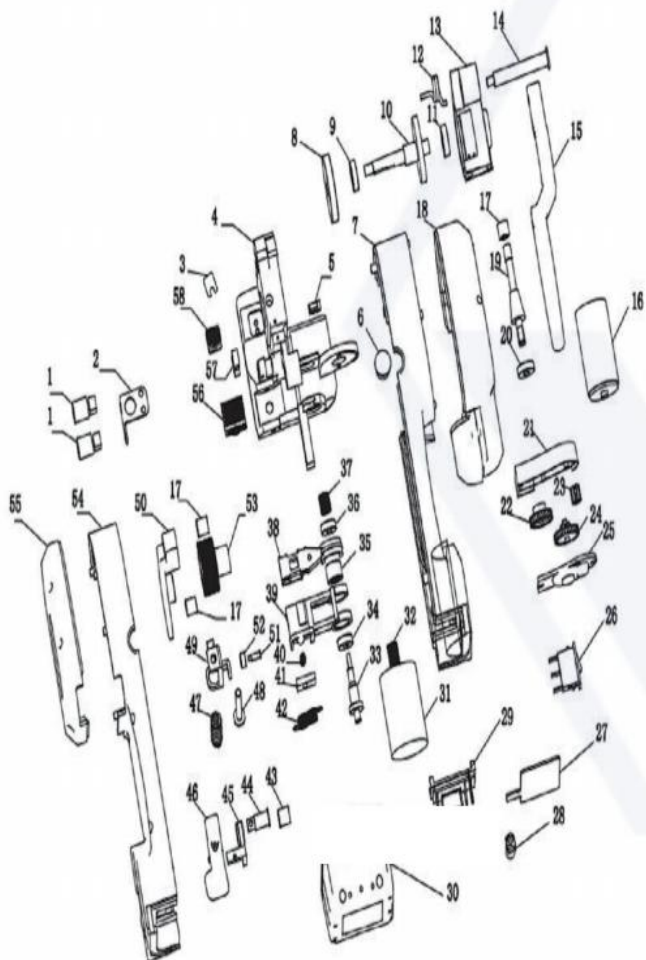
Charger instruction

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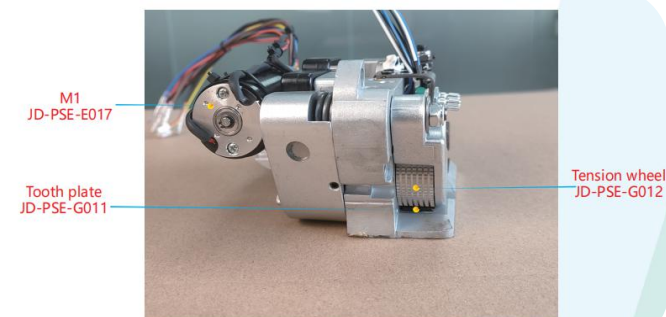
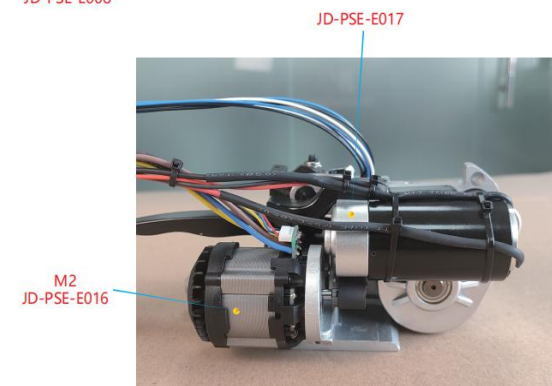
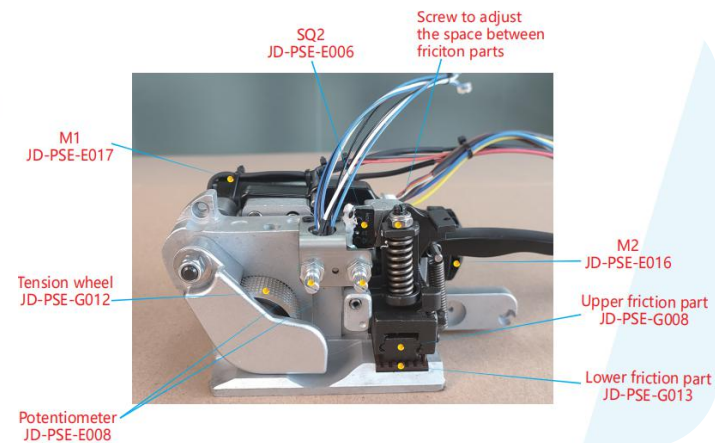
Others failure& operation



Exploded Views

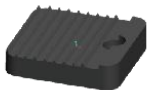


No.	Part Name	Qty.	Material Code	Drawing/Specifications	No.	Part Name	Qty.	Material Code	Drawing/Specifications
1	Tension force knob	2	JD-PSE-E008		31	Sealing motor	1	JD-PSE-E016	
2	Knob bracket	1	JD-PSE-G025	DB-036	32	Synchronous pulley	1	JD-PSE-G034	DB-015
3	Pad	2	JD-PSE-G028	DB-037	33	Eccentric shaft	1	JD-PSE-G024	DB-005
4	Base bracket	1	JD-PSE-G001	DB-031	34	Bearing 606	1	JD-PSE-E011	NSK606ZZ
5	Reverse switch	1	JD-PSE-E007	Omron D2F-O1FL	35	Bearing IK0	1	JD-PSE-E014	IKO TAF101712
6	Tension button	1	JD-PSE-E039	16mm Metal reset switch	36	Bearing 606	1	JD-PSE-E011	NSK606ZZ
7	Right side panel	1	JD-PSE-G03		37	Bearing BK0810	2	JD-PSE-E015	BK0810
8	Bearing cover	1	JD-PSE-G015	DB-032	38	Upper friction part	1	JD-PSE-G008	DB-023
9	6900 bearing	2	JD-PSE-E010		39	Friciton part bracket	1	JD-PSE-G009	DB-024
10	Curved umbrella tooth	1	JD-PSE-G029	DB-020	40	Compression spring 1	1	JD-PSE-G018	
11	6900 bearing	0	JD-PSE-E010		41	Cutter	1	JD-PSE-G016	DB-011
12	Torsion spring	1	JD-PSE-G019		42	Drag spring	1	JD-PSE-G017	
13	Reduction gearbox 2	1	JD-PSE-G003		43	Bearing sleeve	3	JD-PSE-E009	Outer Φ12inner Φ10 H15
14	Connecting shaft	1	JD-PSE-G021	DB-007	44	Connecting pin	1	JD-PSE-G023	DB-025
15	Lift handle	1	JD-PSE-G004	DB-027	45	Cam	1	JD-PSE-G014	DB-022
16	Tension motor	1	JD-PSE-E017		46	Sealing& cutting button	1	JD-PSE-G005	DB-026
17	Bearing BK0810	2	JD-PSE-E015	BK0810	47	Compression spring 2	1	JD-PSE-G020	
18	Right cover	1	JD-PSE-G04/05		48	shaft	1	JD-PSE-G022	DB-003
19	Worm	1	JD-PSE-E030	DB-019	49	Cam base	1	JD-PSE-G010	DB-021
20	Bearing 607	1	JD-PSE-E012	NSK607ZZ	50	Tension wheel cover	1	JD-PSE-G007	DB-030
21	Reduction gearbox 1	1	JD-PSE-G002	DB-033	51	Connect pin 4.0	1	JD-PSE-E040	
22	Connect-gear for worm	1	JD-PSE-G033	DB-018-3	52	Cam driver	1	JD-PSE-G035	DB-016
23	Gear for tension motor	1	JD-PSE-G032	DB-018-2	53	Tension wheel	1	JD-PSE-G012	DB-009
24	Double gear	1	JD-PSE-G031	DB-018-1	54	Left side panel	1	JD-PSE-G01	
25	Cover for gearbox	1	JD-PSE-G006	DB-034	55	Left cover	1	JD-PSE-G02	
26	Power switch	1	JD-PSE-E005	KC-D3	56	Lower friction part	1	JD-PSE-G013	DB-029
27	PCB board	1	JD-PSE-E019		57	Friciton switch	1	JD-PSE-E006	Omron SS-5GL
28	DC adapter	1	JD-PSE-E037	5. 5-2. 1/2. 5	58	Toothed plate	1	JD-PSE-G011	DB-010
29	Adapter frame	1	JD-PSE-G06		59	Copper sleeve 810	1	JD-PSE-E015-1	
30	Battery	1	JD-PSE-E001/E002		60	Bearing sleeve 1015	1	JD-PSE-E009-2	Outer Φ12inner Φ10 H15





1.Slip when tensioning

Possible reason	Solution	Picture
1. Tooth plate wear 【JD-PSE-G011】	Replace the tooth plate <i>Video link:</i> https://youtu.be/ETj5YyBRfU	
2. Straps scrap on tension wheel &tooth plate	Clear the scrap <i>Video link:</i> https://youtu.be/Q6M_zNVn03g	
3. Big gap between tooth plate and wheel	Add a pad <i>Video link:</i> https://youtu.be/cEGMr_XPvrQ	
4. Tension force too big	Adjust tensioning potentiometer 【JD-PSE-E008】 to small tension force	
5. Tension wheel wear	Replace the tension wheel <i>Video link:</i> https://youtu.be/tyrFT2CLQd8	
6. Curved umbrella tooth 【JD-PSE-G029】 wear	Replace the curved umbrella tooth	



2.Cutting failure

Possible reason	Solution	Picture
1. Big space between fricton parts 【JD-PSE-G013】 and cutter 【JD-PSE-G016】	Screw the nut to smaller the space Video link: https://youtu.be/x7nQdLR1zJs	
2. Cutter wear 【JD-PSE-G016】	Replace the cutter 【JD-PSE-G016】 Video link: https://youtu.be/OfTpJOxYdJI	
3. Cutter loosen 【JD-PSE-G016】	Tight the cutter 【JD-PSE-G016】	
4. Cutter mismatching 【JD-PSE-G016】	Replace it 【JD-PSE-G016】 with length 210mm or220mm cutter	



3. Friction welding failure

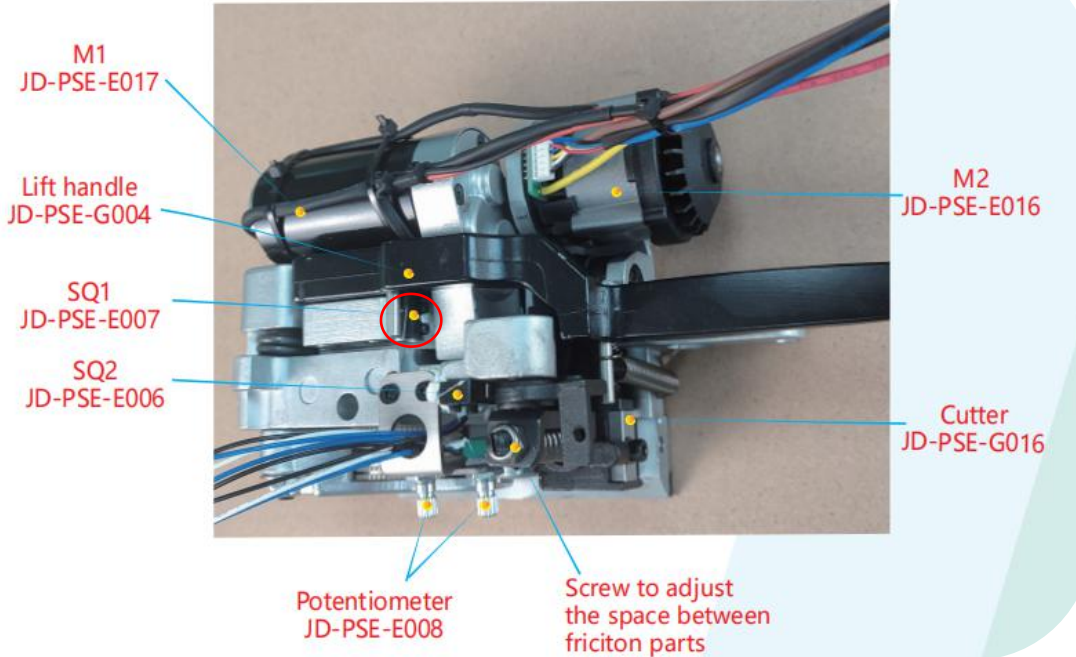
Possible reason	Solution	Picture
1. Big space between friction parts 【JD-PSE-G008】 【JD-PSE-G013】	Adjust the screw to smaller the space Video link: https://youtu.be/x7nQdLR1zJs	
2. Friction parts wear 【JD-PSE-G008】 【JD-PSE-G013】	Replace the friction parts Video link: https://youtu.be/o9bM1avTd7I	
3. Synchronous belt wear result in no movement of friction parts 【JD-PSE-G008】	Replace the synchronous belt	
4. Welding time is too long or too short	Adjust the welding time knob 【JD-PSE-E008】 at a right position	



4.Reversing operation failure

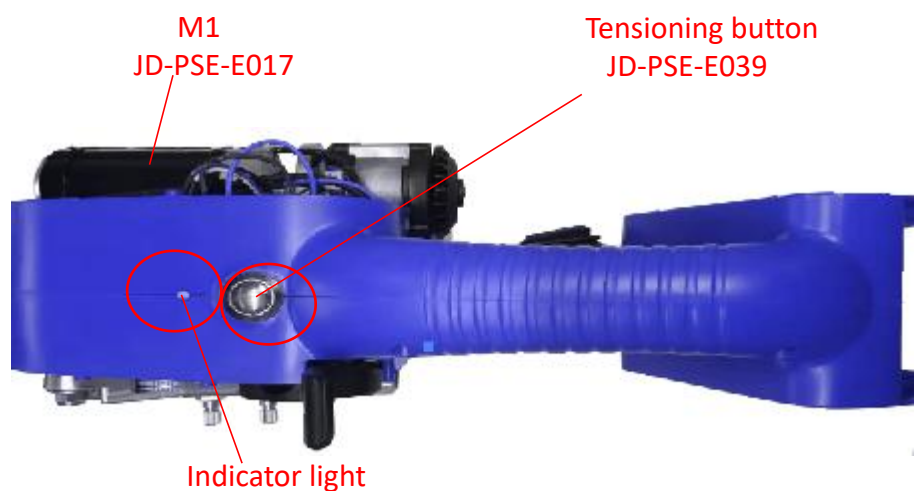
Two ways to conduct reversing operation. *video link:https://youtu.be/ocaEQYA10yc*

Sometimes it comes with reversing operation failure, the possible reason are as below.

Possible reason	Solution	Picture
1. SQ1 sheetmetal contact failure 【JD-PSE-E007】	Reshape the SQ1 sheet metal to make contact well	
2. SQ1 【JD-PSE-E007】 damaged or poor welding between harness and SQ1	Replace the SQ1 or weld the harness well	



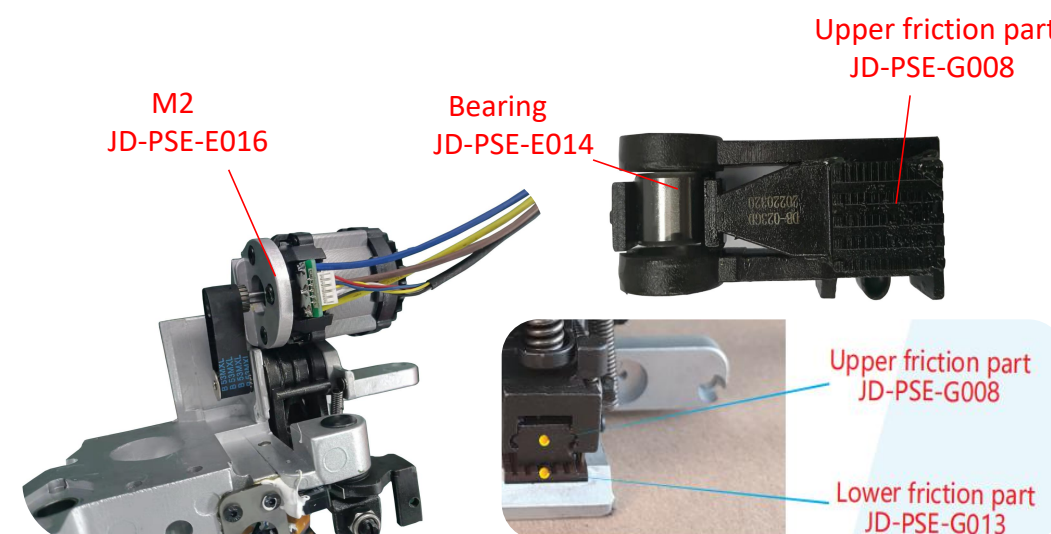
5.Tensioning failure

Possible reason	Solution	Picture
1. Tenioning button 【JD-PSE-E039】 welding contact failure or full of dusty	Check the tensioning button and then replace it	
2. M1 【JD-PSE-E017】 damaged or wire loosen	Check and then replace M1	



6.Indicator flash red

Video link:<https://youtu.be/FP9kE7pRDgU>

Possible reason	Solution	Picture
1. Low battery	Check the battery	
2. M2 【JD-PSE-E016】 failure	Check and then replace it	
3. Space between friction parts is too small ,which makes friction resistance beyond motor force Video link: https://youtu.be/x7nQdLR1zJs	Enlarge the space between friction parts	
4. Bearing 【JD-PSE-E014】 damage	Check the movement of upper friciton part and then replace the bearing	



7.Potentiometer failure

Possible reason	Solution	Picture
1. Potentiometer damage as its adjustment function is failure	Check it and replace it	



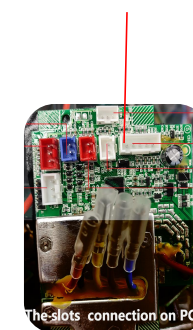
8.Power failure

Possible reason	Solution
1. Battery failure	Check the battery
2. PCB Board damage or connect loosen	Check PCB and then replace it
3. Power switch broken	Check the power switch and then replace it

Battery

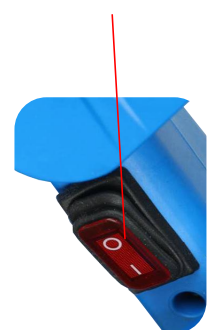


PCB



The slots connection on PCB

Power switch





9.Charger introduction

- ①: Indicator flash--> mean power on
- ②: Indicator flash-->mean battery Tem. too high
- ③: Both indicators on -->mean charging by 80%
- ④: Indicator on continuously-->mean fully charged
- ⑤: The indicators blink alternately-->mean battery failure
- ⑥: The third indicator on-->mean charger failure





10. Other failure & operation

1. How to adjust it that the lift handle is too laborious?

Video link: <https://youtu.be/PrbQL706iWE>

2. How to adjust the space between friction parts?

<https://youtu.be/x7nQdLR1zJs>

3. How to insert a gasket to heighten the tooth plate of JD-PSE 13/ 16 -14?

https://youtu.be/cEGMr_XPvrQ

4. How to replace the cutter of JD-PSE 13/ 16-14?

<https://youtu.be/OfTpJOxYdJI>

5. How to replace the feeding wheel of JD-PSE13 /16-14?

<https://youtu.be/tyrFT2CLQd8>

6. How to replace the lower friction parts of JD-PSE 13 /16-14

<https://youtu.be/o9bM1avTd7I>

7. How to replace the spring for PET and PP straps ?

<https://youtu.be/OnLzCyB9QJg>

8. How to replace the tooth plate of JD-PSE 13 /16-14?

<https://youtu.be/ETj5YyBRfFU>

9. How to operate the battery strapping tool JD-PSE13/16-14?

<https://youtu.be/6XgpnTVjOiQ>

10. How to reverse the feeding wheel and start friction welding action?

<https://youtu.be/ocaEQYAl0yc>

11. How to do daily maintenance?

*Get ready for six tips to make sure your strapping tool lasts as long as possible.

Tip1: Blow tool out with compressed air

Tip2: Keep your tooth plate clean with brass brush or sharp straps

Tip3: Avoid dropping your tool

Tip4: Only use plastic strapping

Tip5: Keep battery charged well before storing

Tip6: Keep tools in a good physical environment

https://youtu.be/Q6M_zNVn03g

12. How battery strapping tool work with pallet threading tool?

<https://youtu.be/WsuUyiZUYrQ>

<https://youtu.be/J-q8YXCzOXE>

13. How big different it is between battery strapping tools and manual tools?

<https://youtu.be/yGNh8208S6k>

14. Why no friction action and the light flashes red at the same time after start the friction button?

You may encounter this issue that there is no friction action and the light flashes red at the same time after start the friction button.

Four possible reasons:

- ① The space between the friction parts are too small
- ② The wires connectors are probably loose or fall off
- ③ The bearing IK0 (JD-PSE-E011) is damaged.
- ④ Battery is low

<https://youtu.be/FP9kE7pRDgU>



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