



## How to Change the Coin Mechanism in the PP100 Prepayment Meter

Thank you for your purchase of a new coin mechanism. Unfortunately not all coin mechanisms will work in all coin meters first time. This is because each coin mechanism needs to be aligned with the coin discharge slot in the meter. About 50% of the time the coin mechanism will work straight away, however if this is not the case for you then this instruction sheet will enable you to align your coin mechanism with your meter.

If you are unable to align the coin mechanism and meter using this instruction, then you will need to use our Collect / Convert / Return Service for Reconditioned Coin Meters. Please visit [www.spwales.com](http://www.spwales.com) or call 01803 295430 for more information.

### Tools

You will need the following tools:

-  9 mm spanner, (or small adjustable spanner).
-  Small pair of pliers, (if the Coin Stop requires adjusting).

### Instruction

Each coin mechanism has been tested at S P Wales Ltd to ensure it is good working order. However, it needs to be tested in-situ, as it may require alignment to ensure that it works with your meter.





Figure 1

**Step 1** Remove the cash box.

**Step 2** Undo the bolt on the bottom left of the coin mechanism, (see Figure 1). This will allow you to remove the clasp that holds the coin mechanism in place.

**Step 3** Pull out the existing coin mechanism and replace with the new one, taking care to ensure the nib on the bottom left, (see left hand arrow in Figure 2), lines up with rate you wish to charge. We have included a rate chart overleaf for reference.

**Step 4** Test the coin mechanism and meter with:

-  A current £1 coin to ensure it adds credit.
-  Once available, we advise testing again with a new pound coin to ensure that it also works.

N.B. If your coin mechanism does not allow the pound coin to drop through, it will need to be aligned with the meter, (see Meter/Coin Mechanism Alignment section overleaf).

**Step 5** Replace the clasp, and tighten the bolt on the bottom left.

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## Meter/Coin Mechanism Alignment

To align the coin mechanism with the meter, the coin stop, (see circle on Figure 2), will need to be moved slightly to the right or left. Firstly assess whether the coin mechanism is over or under rotating. Figure 3 demonstrates an aligned coin mechanism, which is how yours should look when fully rotated. Figure 4 demonstrates an over rotated coin mechanism. You can see the coin holder protruding from the left. In this instance the coin stop would need to be bent to the left by approximately 1 mm.

Be extremely careful when adjusting this, as if snapped off, the meter will need to be sent back to us for repair.



Figure 2



Figure 3

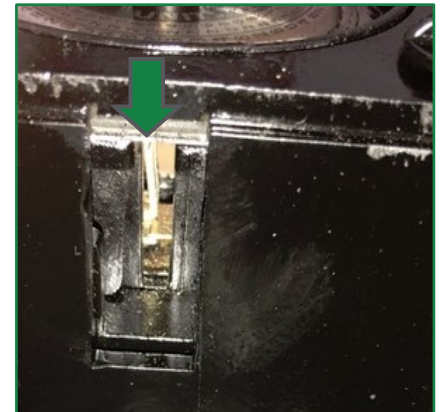
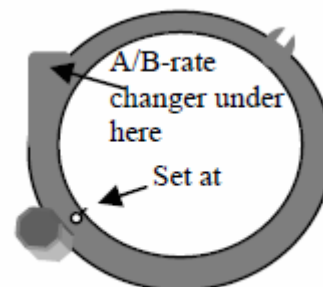


Figure 4

B Rate				A Rate			
Units per coin	Pence per kWh	Units per coin	Pence per kWh	Units per Coin	Pence per kWh	Units per coin	Pence per kWh
4.0	25.00	11.6	8.62	1.0	100.00	2.9	34.48
4.4	22.73	12.0	8.33	1.1	90.91	3.0	33.33
4.8	20.83	12.4	8.06	1.2	83.33	3.1	32.26
5.2	19.23	12.8	7.81	1.3	76.92	3.2	31.25
5.6	17.86	13.2	7.58	1.4	71.43	3.3	30.30
6.0	16.67	13.6	7.35	1.5	66.67	3.4	29.41
6.4	15.63	14.0	7.14	1.6	62.50	3.5	28.57
6.8	14.71	14.4	6.94	1.7	58.82	3.6	27.78
7.2	13.89	14.8	6.76	1.8	55.56	3.7	27.03
7.6	13.16	15.2	6.58	1.9	52.63	3.8	26.32
8.0	12.50	15.6	6.41	2.0	50.00	3.9	25.64
8.4	11.90	16.0	6.25	2.1	47.62	4.0	25.00
8.8	11.36	16.4	6.10	2.2	45.45	4.1	24.39
9.2	10.87	16.8	5.95	2.3	43.48	4.2	23.81
9.6	10.42	17.2	5.81	2.4	41.67	4.3	23.26
10.0	10.00	17.6	5.68	2.5	40.00	4.4	22.73
10.4	9.62	18.0	5.56	2.6	38.46	4.5	22.22
10.8	9.26	18.4	5.43	2.7	37.04	4.6	21.74
11.2	8.93	18.8	5.32	2.8	35.71	4.7	21.28



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