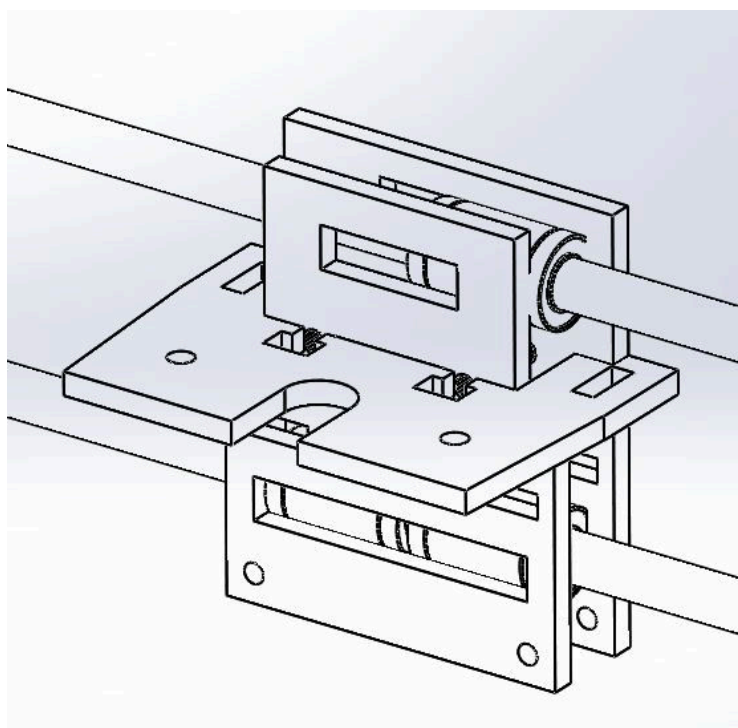


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**Prusa i3 ALUMINUM X-carriage preliminary Assembly Manual**  
**WBS-PI3-2014-AXCR-REV02**

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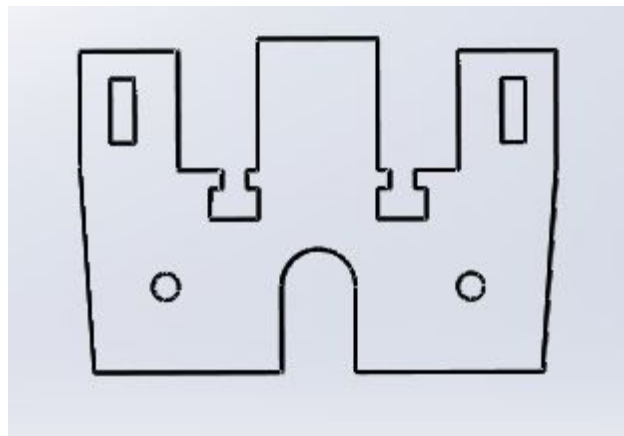


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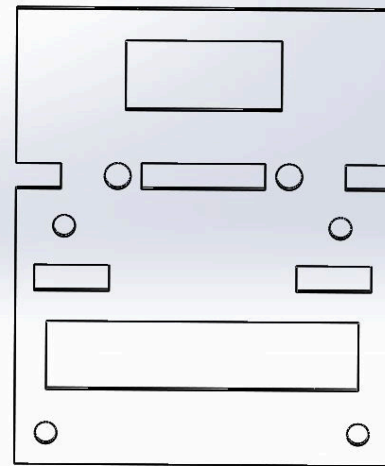
Updated 03-12-2014 REV02

## Kit Content

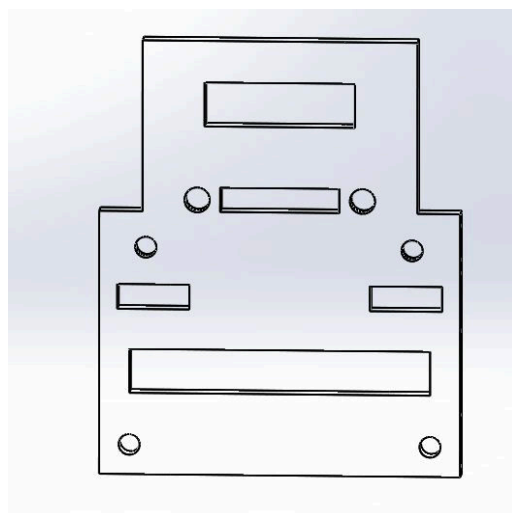
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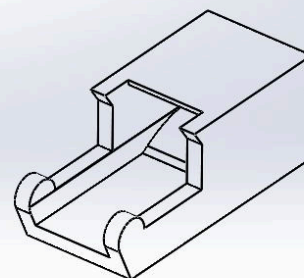
extruder base plate x 1 REV 02



rear plate x 1

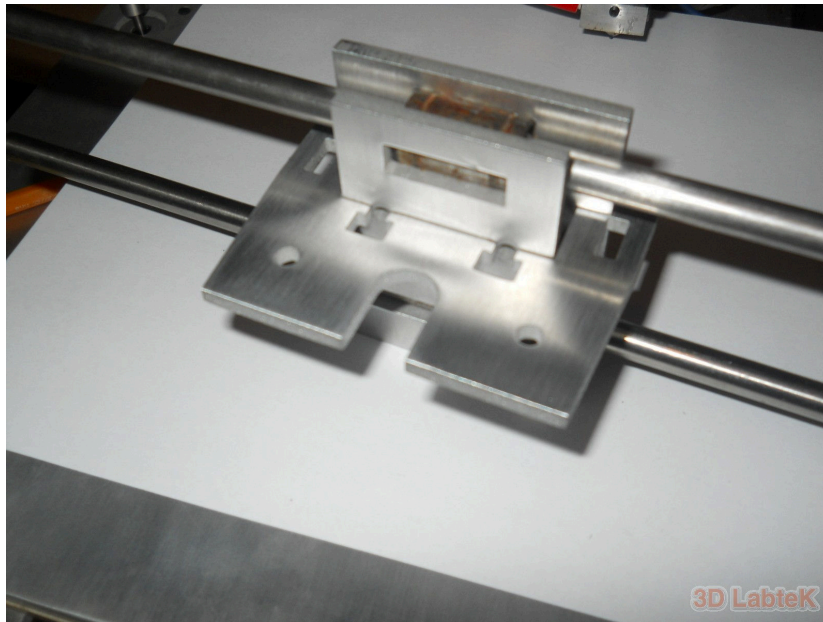


front plate x 1

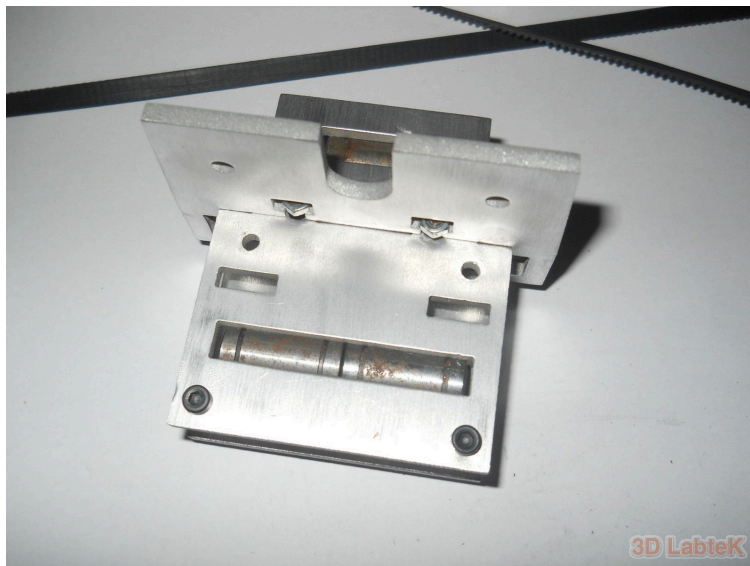


Belt Trap x 2

1. bolts M3 x 25 mm x 6
2. Aluminum Lock plate x 2
3. M3 washer x 12
4. M3 Nuts x 7



Assembly of the Aluminum X-carriage

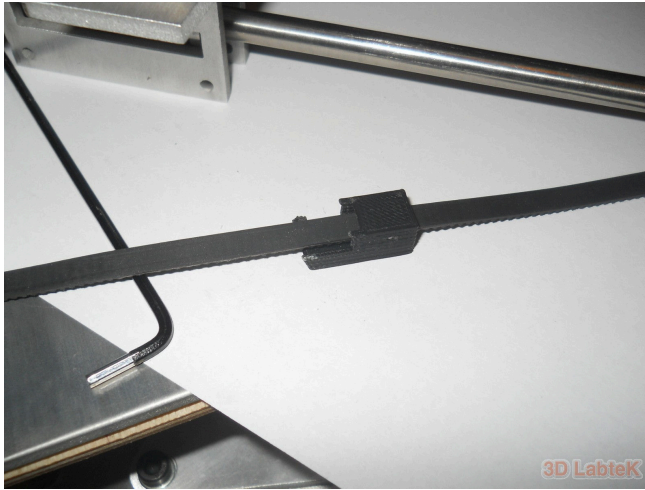


Assembly the front and the rear plate placing the LM8UU in the appropriate slots.

Insert the base plate in the slot and fix the carriage in position using 4 of the six M3x25mm bolts .

## Belt Installation

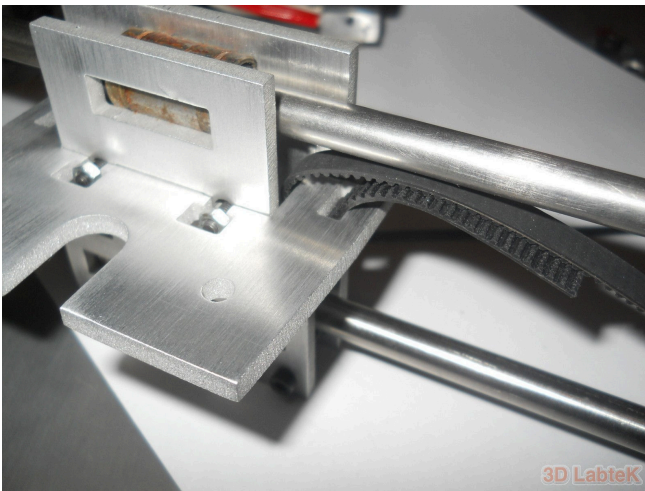
There are many option to install the belt on the Y carriage.  
Choose the most appropriate according to idler bearing dimension and belt pulley dimension.



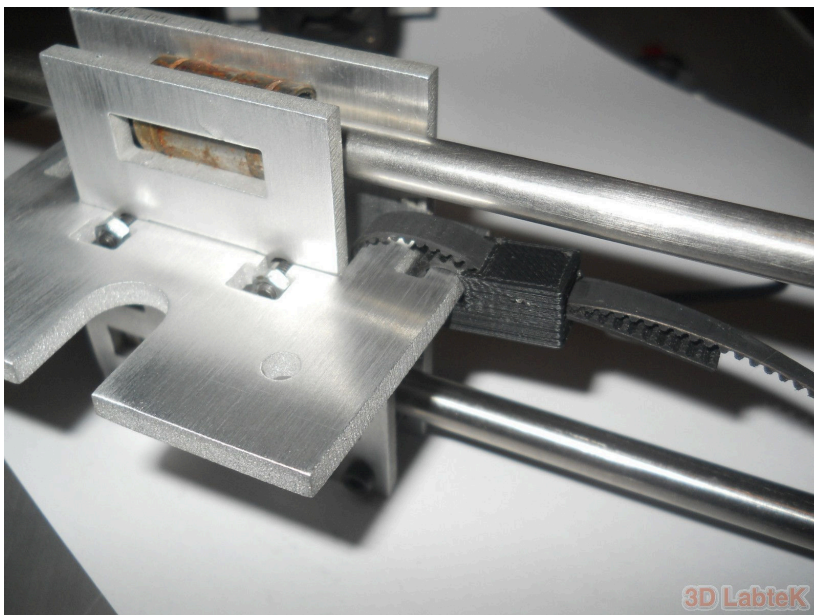
Insert the belt trap in the beld end.

### Option1

Insert the belt trap in the belt end.



pass the belt in the appropriate holes placed on the base plate



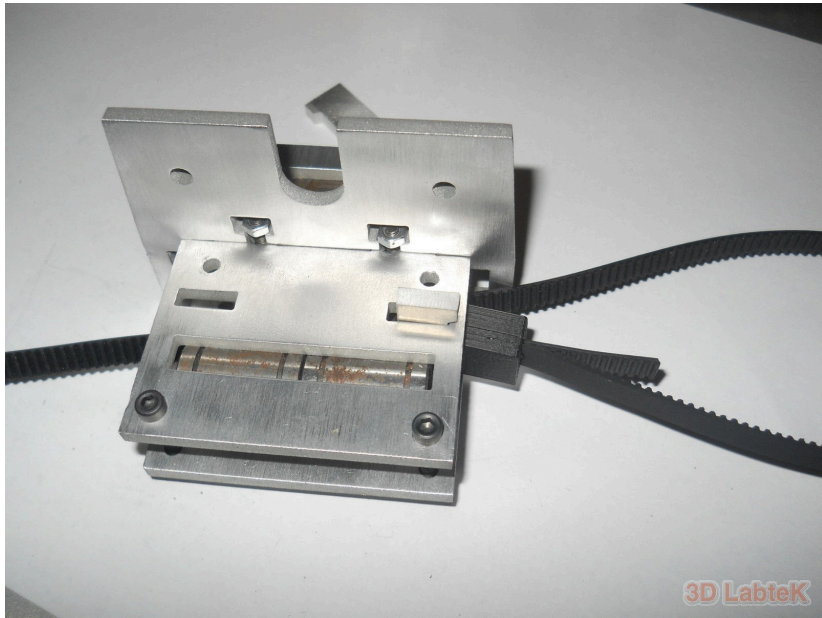
Join the belt together and slide the belt trap until it reaches the base plate

Repeat the same operation on the second end and tension the belt using the belt tensioner placed on the X-end-idler



	Option 2
	<p>insert the belt from the bottom of the base plate like shown in the side pic</p>
	<p>Join the belt together and slide the belt trap until it touch the base plate</p>

	Option 3
	<p>pass the belt into the slot on the side of the base plate</p>
	<p>Fix the belt with the belt trap</p>

	Option 4
	<p>Join the belt and slide the belt trap to obtain a ring, Insert the belt inside the X carriage and insert the small aluminum part into the side slot.</p> <p>Slide the trap up top the lock piece.</p> <p>repeat the operation on the other side.</p>