

# LegoCarduino: Byggeinstruksjoner



# *LegoCarduino Byggeinstruksjoner*

## **Innholdsfortegnelse**

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# LegoCarduino Byggeinstruksjoner

## Utstyrssiste:

| Navn                        | Bilde   | Farge | Størrelse     | Antall |
|-----------------------------|---|-------|---------------|--------|
| Lego NXT mikrokontroller    |   |       |               | 1      |
| Lego sonar / avstand sensor |   |       |               | 1 (2)  |
| Lego RGB fargesensor        |   |       |               | 2      |
| Lego motor                  |   |       |               | 3      |
| Lego RJ12 connector cabel   |   |       |               | 7      |
| Liftarm                     |    | Grå   | 1 x 5         | 6      |
|                             |   |       | 1 x 7         | 6      |
|                             |   |       | 1 x 9         | 2      |
|                             |   |       | 1 x 11        | 5      |
|                             |   | Hvit  | 1 x 5         | 2      |
|                             |   |       | 1 x 9         | 2      |
|                             |   |       | 1 x 13        | 2      |
| Liftarm T-Shape             |    | Grå   | 1 x 4 x 2     | 4      |
|                             |   |       | Oransje       | 2      |
|                             |    | Grå   | 1 x 5 x 3     | 5      |
| Liftarm Bent                |  | Grå   | 1 x 4 x 4     | 2      |
|                             |   |       | Lys Grå       | 2      |
|                             |  | Grå   | 1 x 6 x 4     | 6      |
|                             |  | Grå   | 1 x 7 x 3 x 2 | 3      |
| Liftarm T-Shape             |  | Grå   | 3 x 3         |        |

# LegoCarduino Byggeinstruksjoner

| Navn        | Bilde | Farge         | Størrelse | Antall  |
|-------------|-------|---------------|-----------|---------|
| Axe         |       | Grå           | 1 x 3     | 19      |
|             |       | Svart         | 1 x 4     | 1       |
|             |       | Grå           | 1 x 5     | 2       |
|             |       | Svart         | 1 x 6     | 1       |
|             |       | Grå           | 1 x 9     | 2       |
| Big wheel   |       | Svart og hvit | -         | 2       |
| Small wheel |       | Svart og hvit | -         | 2       |
| Axe end     |       | Lys Grå       | 1/2       | 4 (6)   |
|             |       | Gull          |           | 2       |
|             |       | Lys Grå       | 1         | 10      |
| Pin Axe     |       | Blå           | 2         | 12 (14) |
| Pin         |       | Svart         | 2         | 50      |
| Long Pin    |       | Svart         | 3         | 26 (28) |
|             |       | Blå           |           | 2       |

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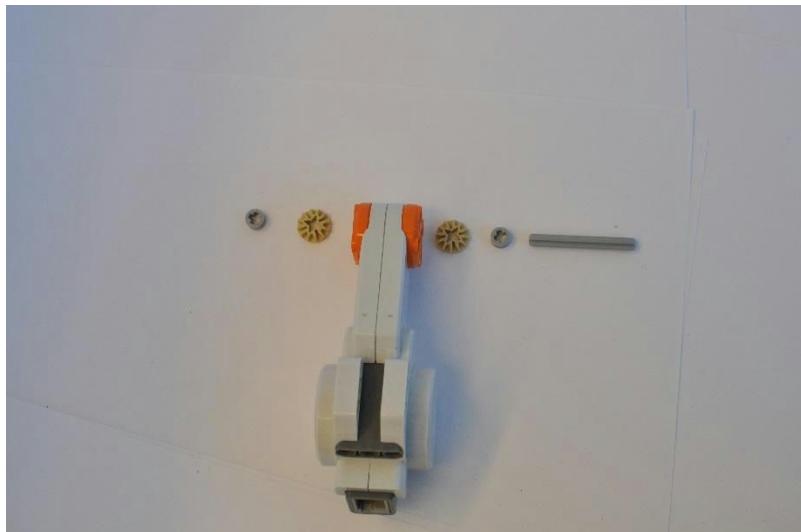
| Navn                   | Bilde   | Farge   | Størrelse | Antall |
|------------------------|---|---------|-----------|--------|
| Long Pin Bush          |   | Svart   | 3         | 4      |
| Cog                    |    | Lys Grå | ø 5/2     | 2      |
|                        |    | Gull    | ø 3/2     | 2      |
| Axle w/ stud           |    | Grå     | 3         | 2      |
| Axle w/ stop           |    | Grå     | 3         | 1      |
| Pin Connector          |    | Svart   | 2         | 2      |
| 3L Axe & 2 Pins        |    | Grå     | 3         | 6      |
| 3L Axe & Center Pin    |    | Svart   | 3         | 4      |
| 3L Axe & 4 Pins        |  | Lys grå | 3         | 2      |
| Split Axe & Double Pin |  | Grå     | 2 x 2     | 0 (2)  |

Alt i parentes kommer i tillegg om man ønsker å sette opp to avstandssensorer istedenfor én.

# *LegoCarduino Byggeinstruksjoner*

## I. Styresystemet

1

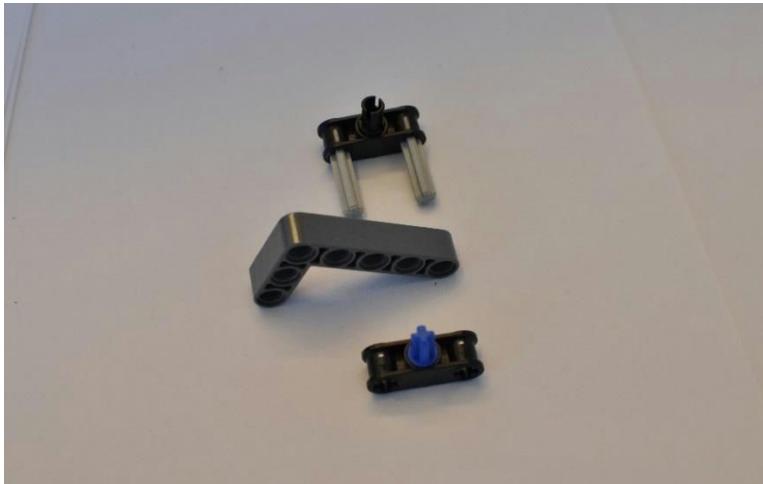


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# LegoCarduino Byggeinstruksjoner

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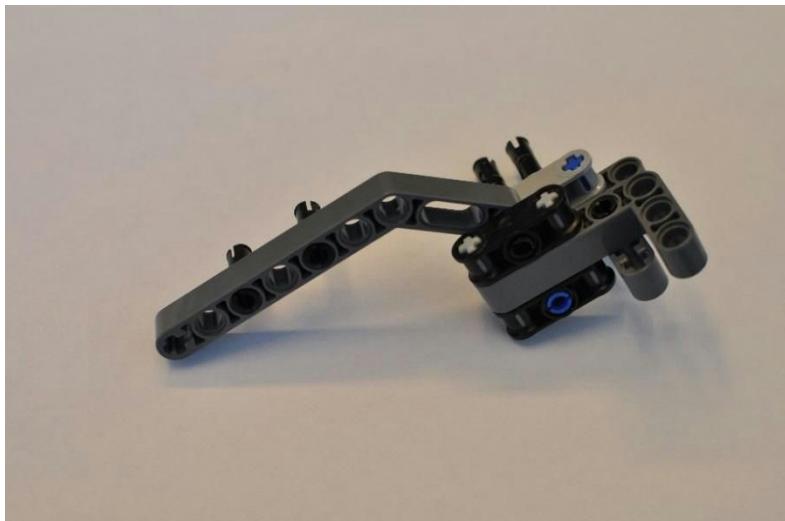


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# LegoCarduino Byggeinstruksjoner

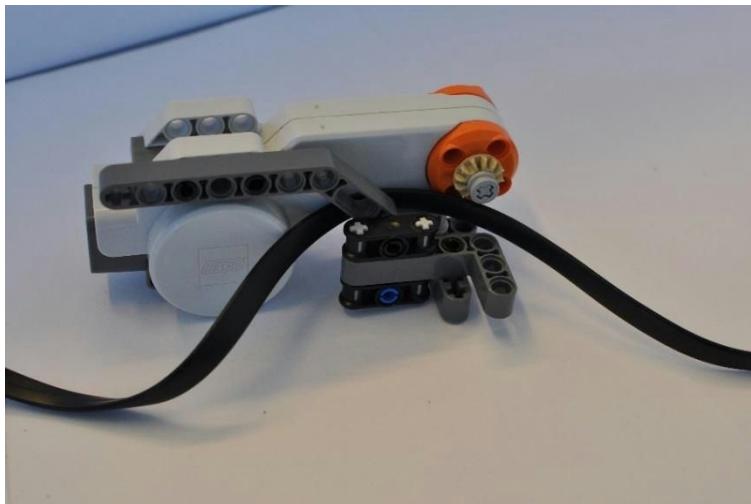
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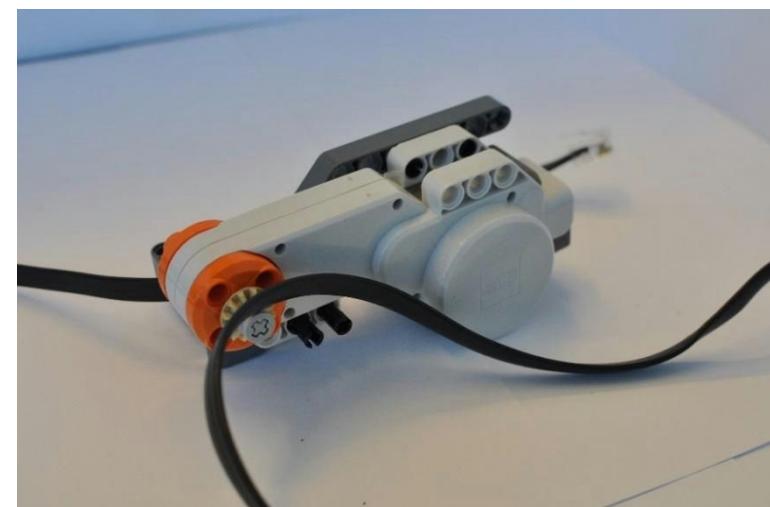
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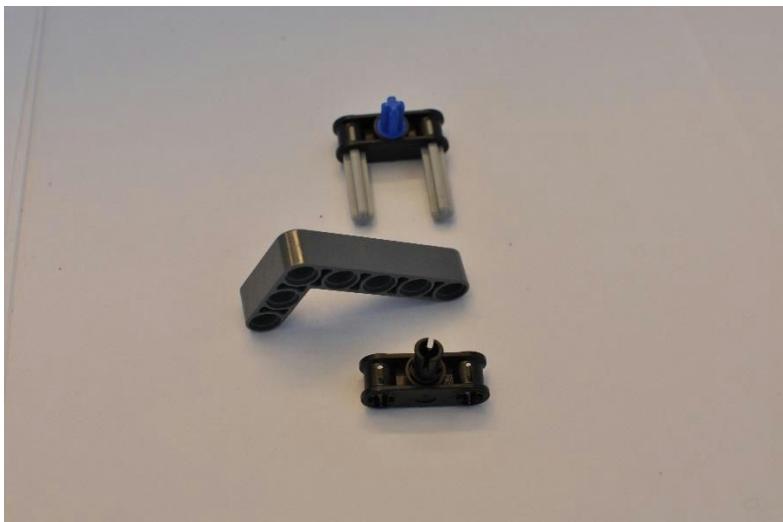


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# LegoCarduino Byggeinstruksjoner

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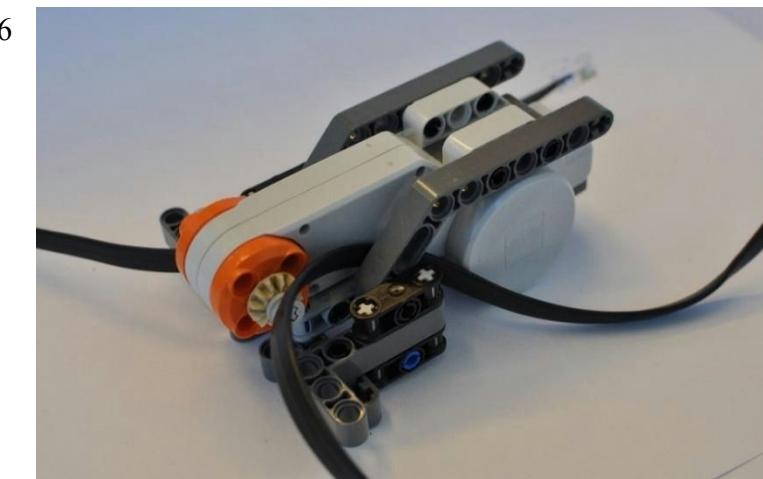


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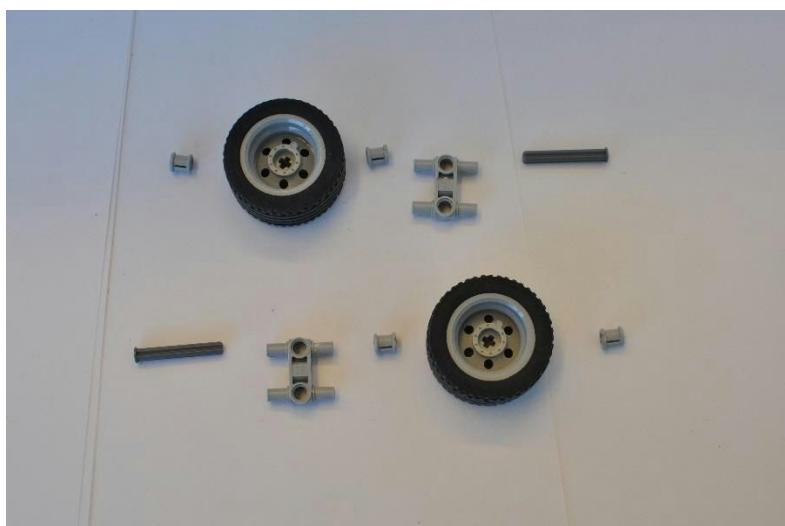
# LegoCarduino Byggeinstruksjoner



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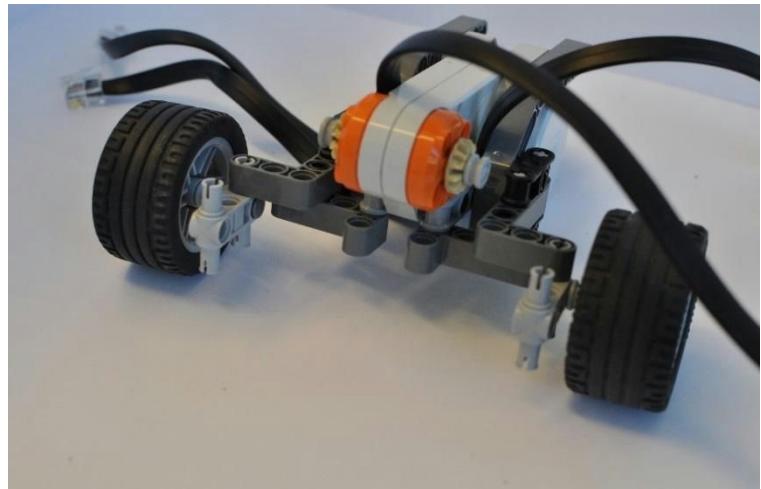


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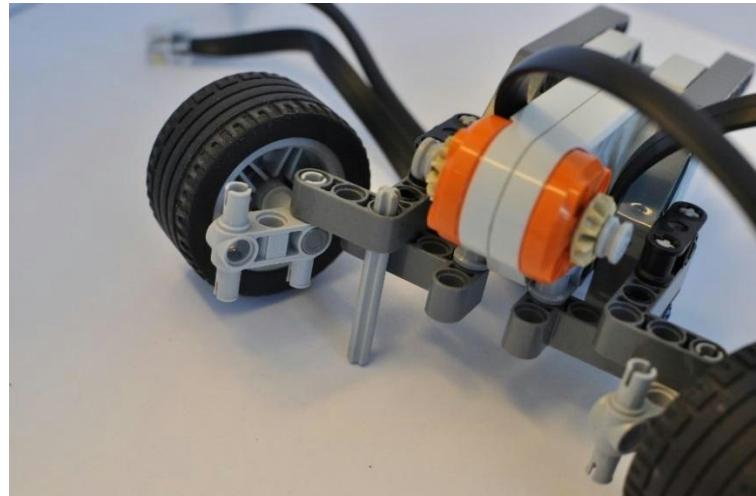


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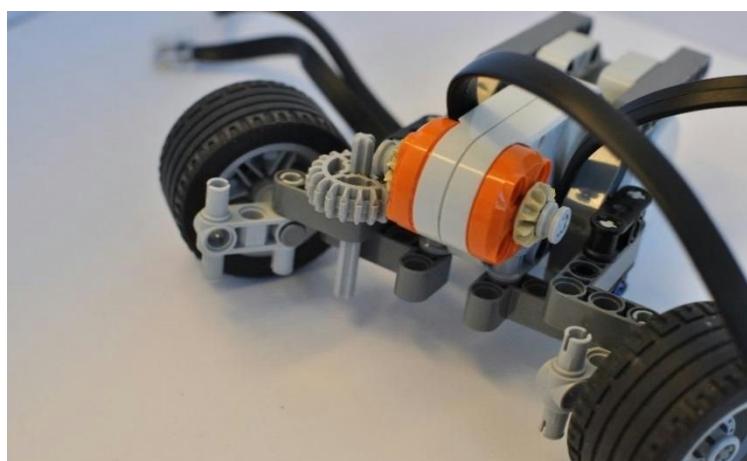
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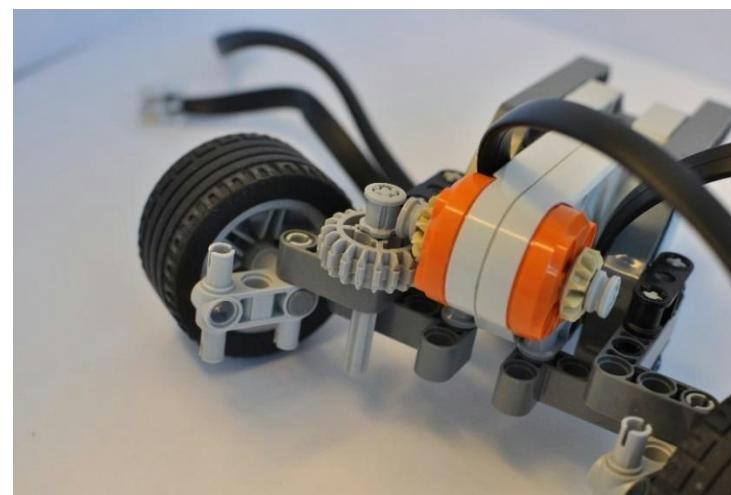
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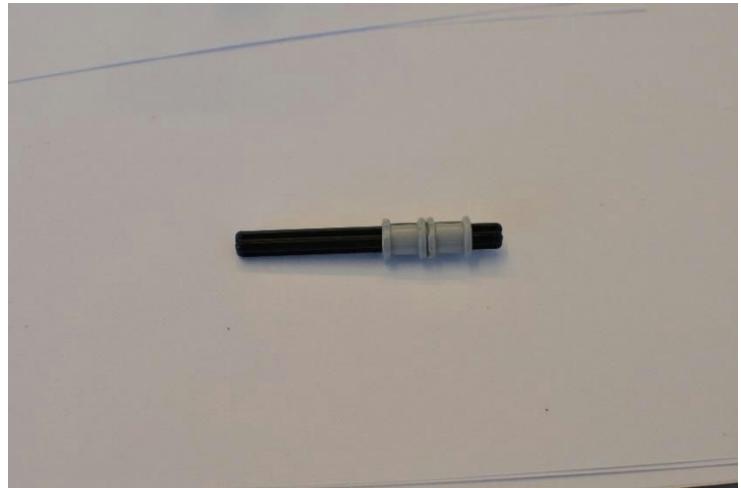


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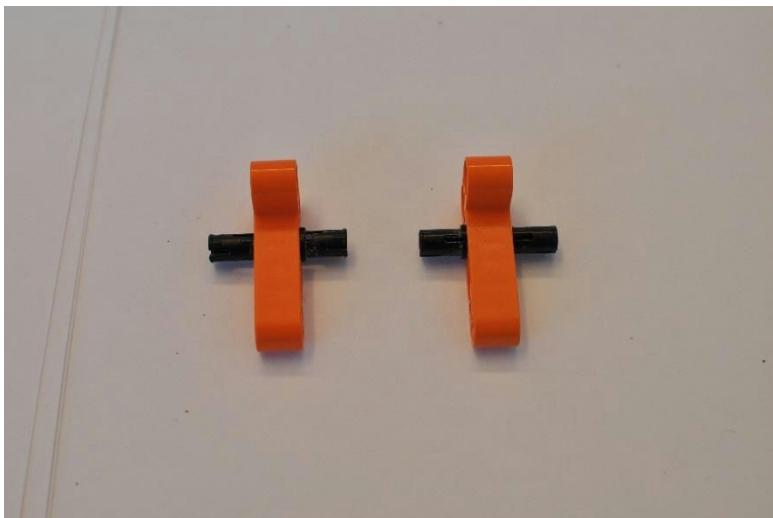
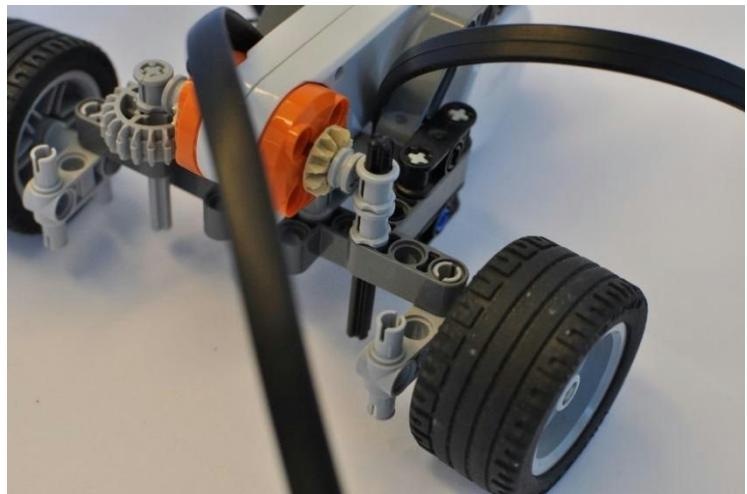
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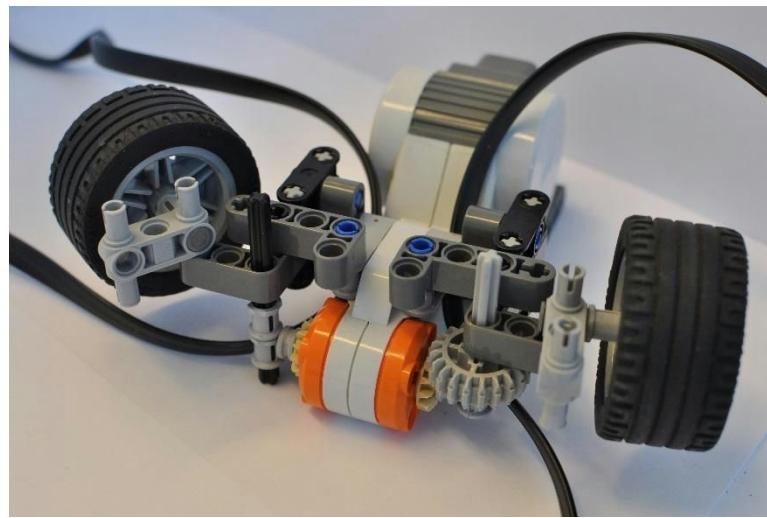


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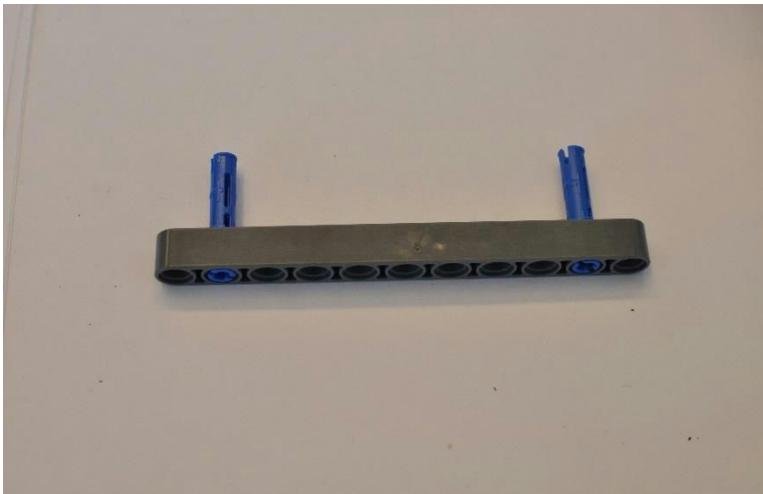
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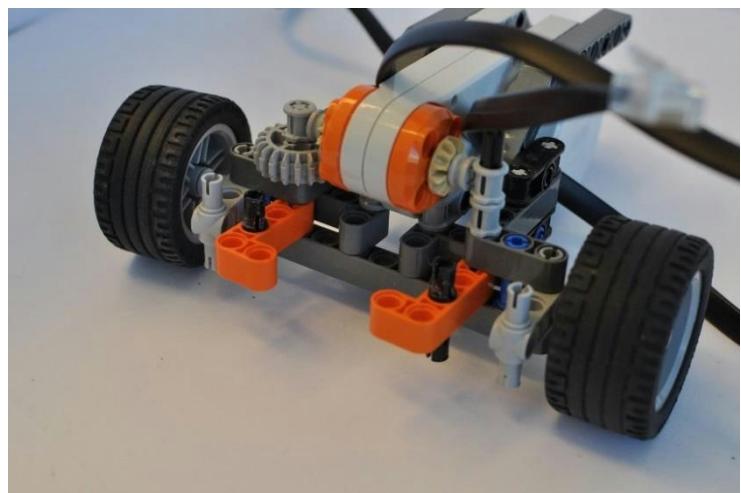
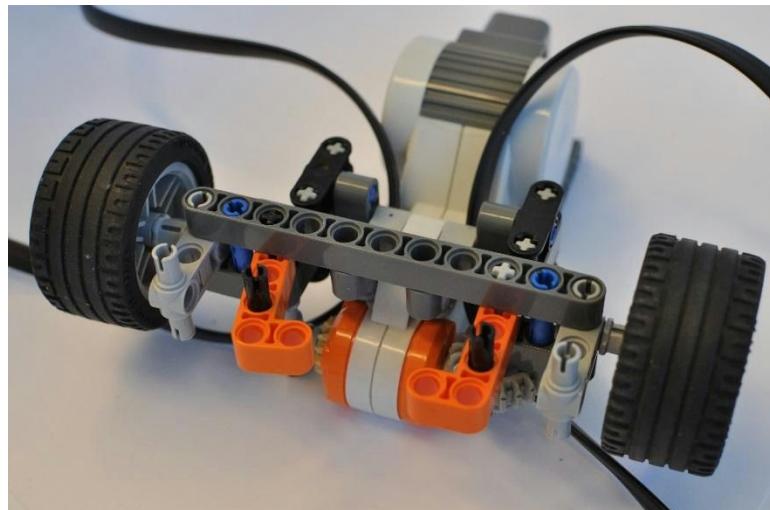
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# LegoCarduino Byggeinstruksjoner

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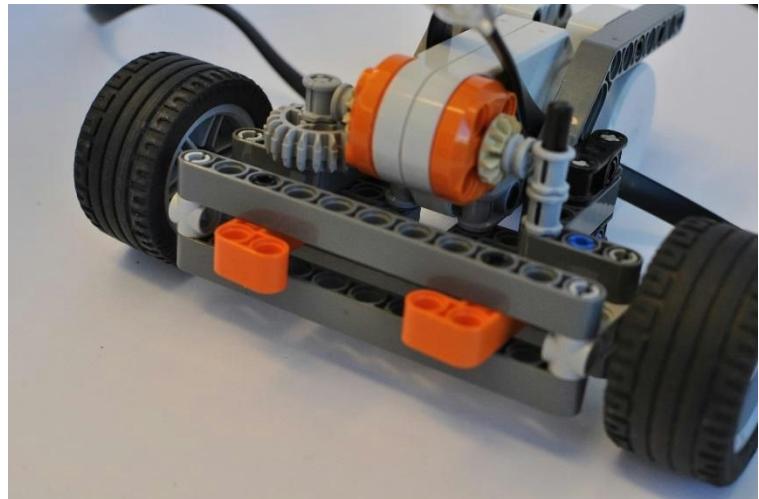


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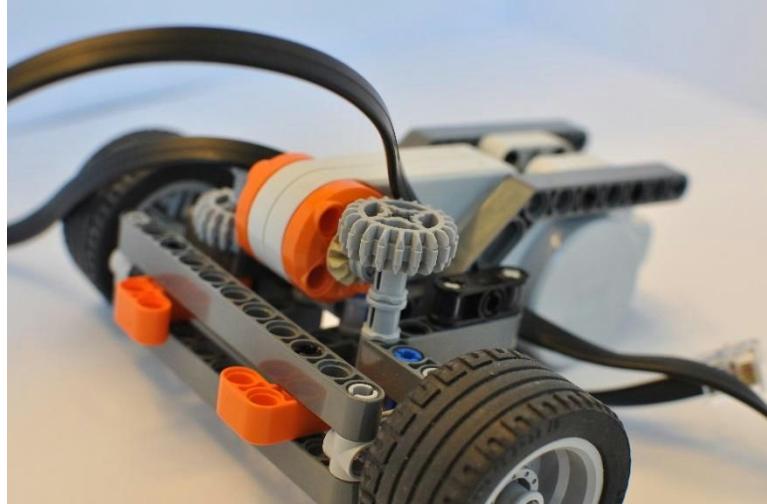


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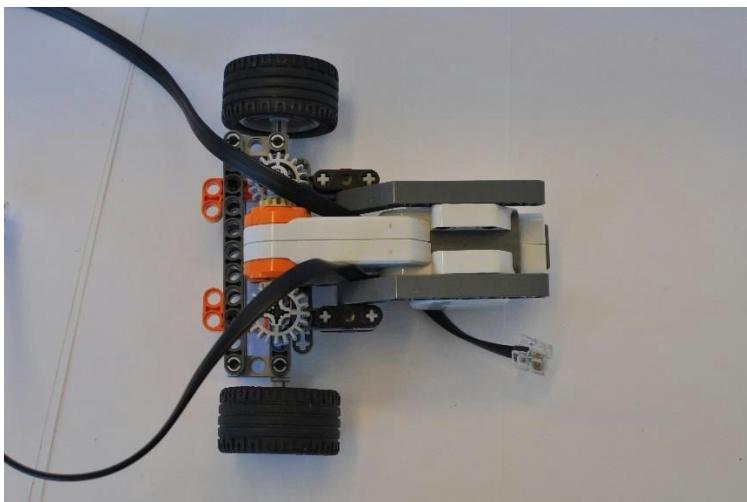
# LegoCarduino Byggeinstruksjoner



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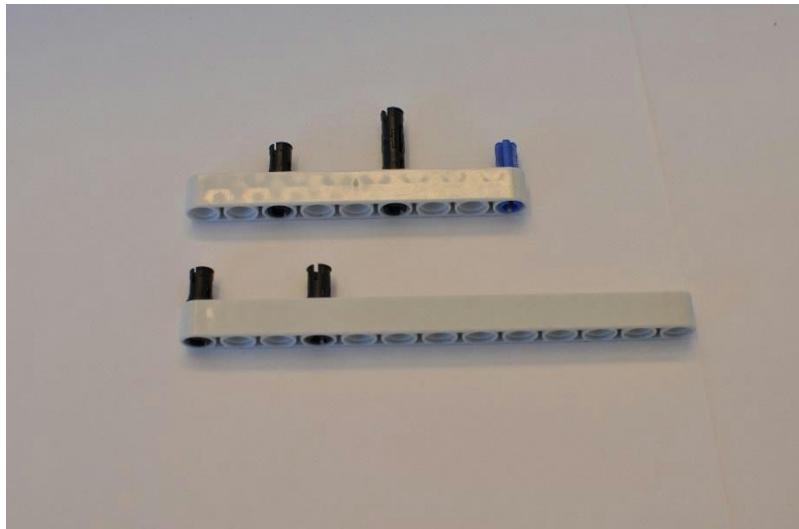


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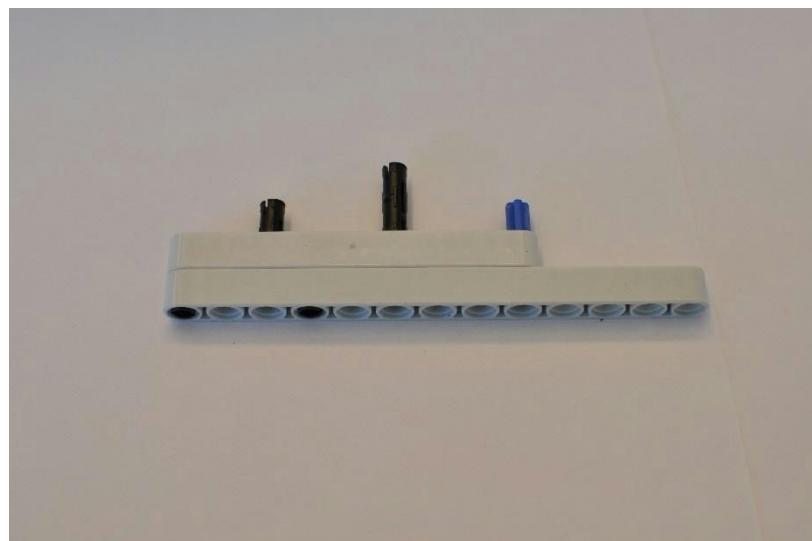
# *LegoCarduino Byggeinstruksjoner*

## **II. Bakhjulene**

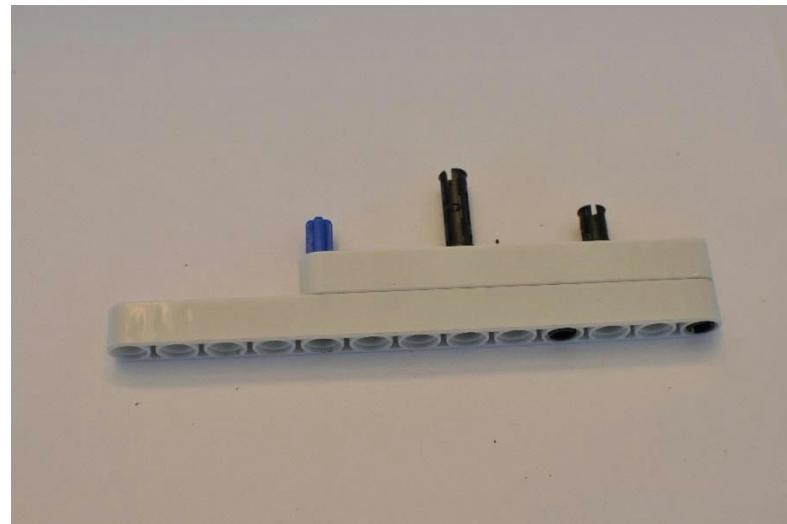
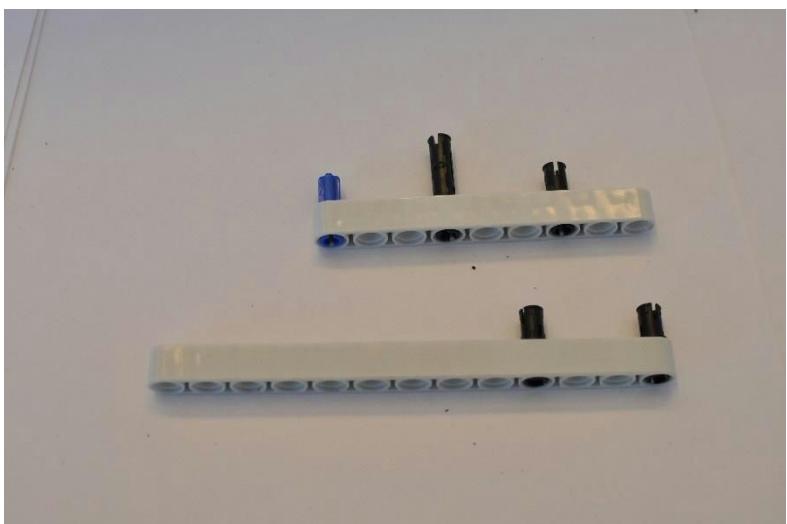
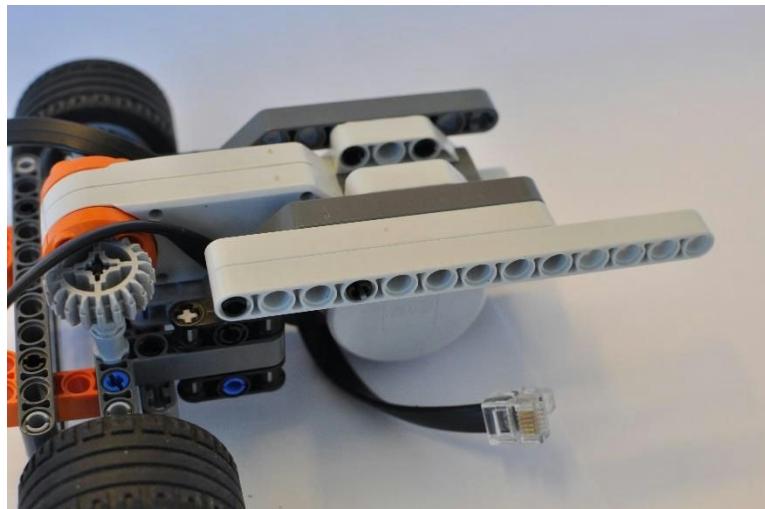
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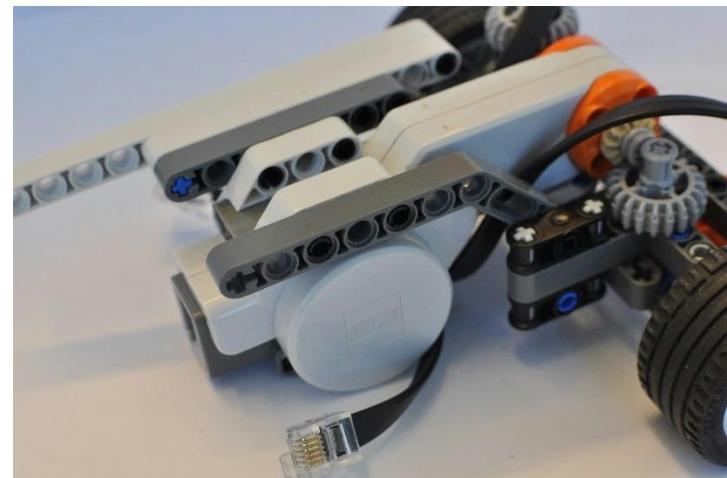
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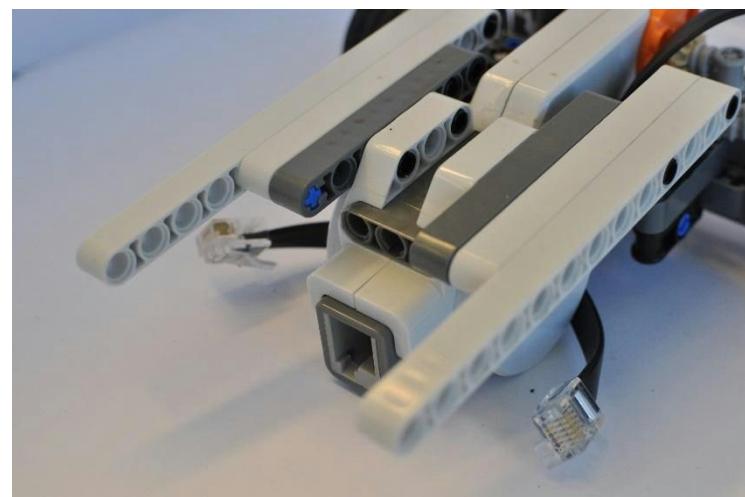
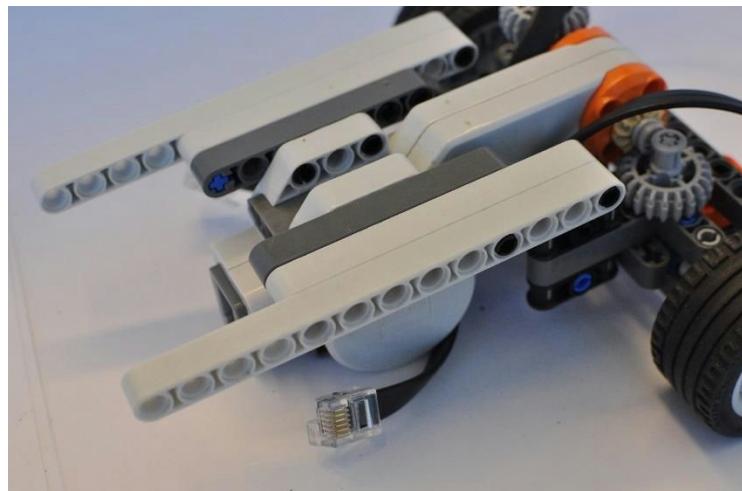
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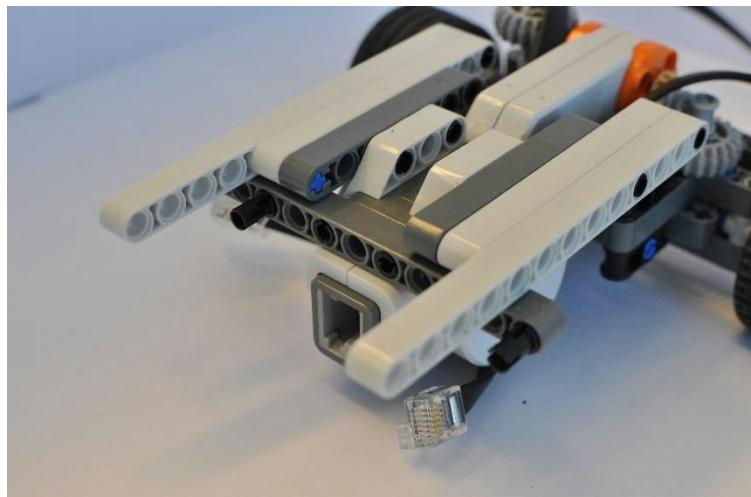
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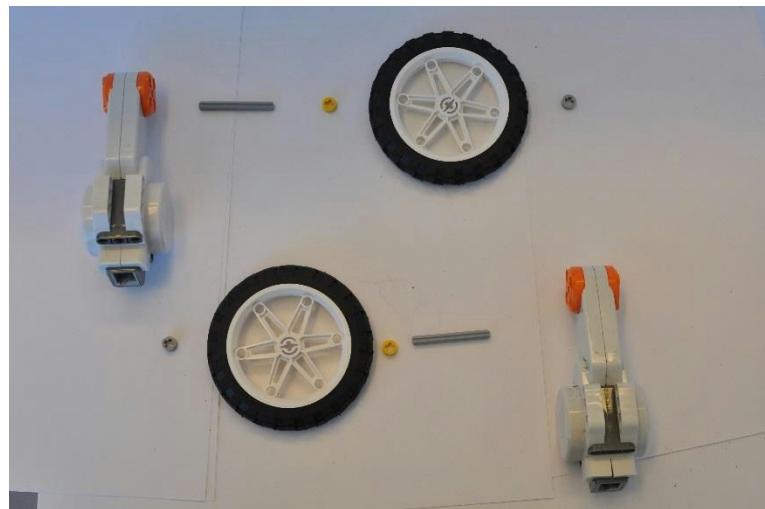
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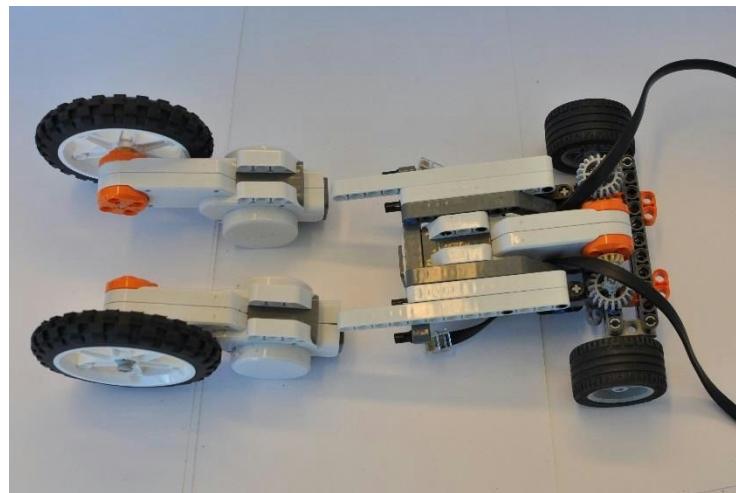
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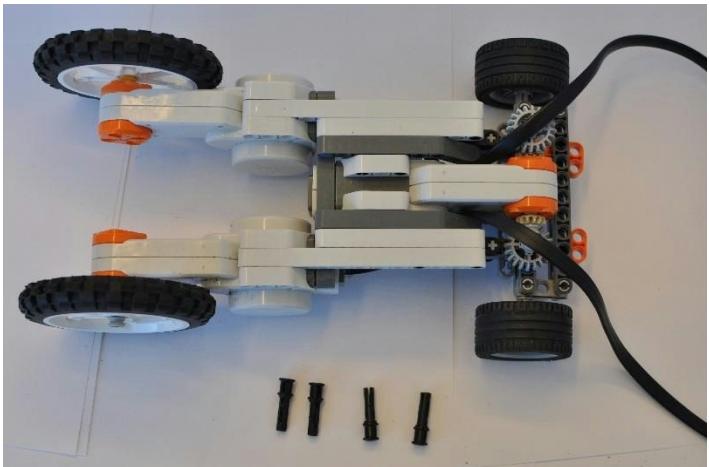


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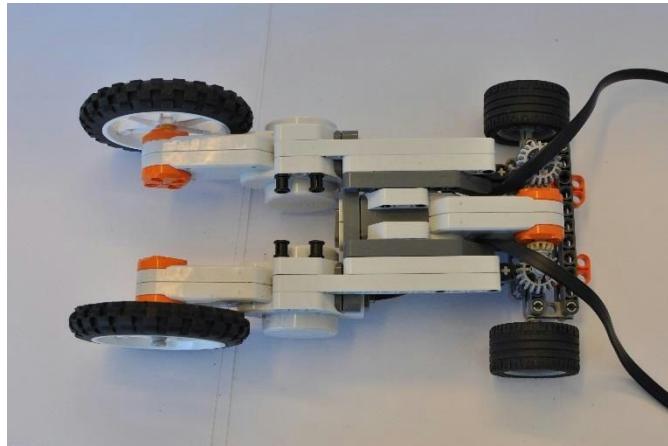


# LegoCarduino Byggeinstruksjoner

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# LegoCarduino Byggeinstruksjoner

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# LegoCarduino Byggeinstruksjoner



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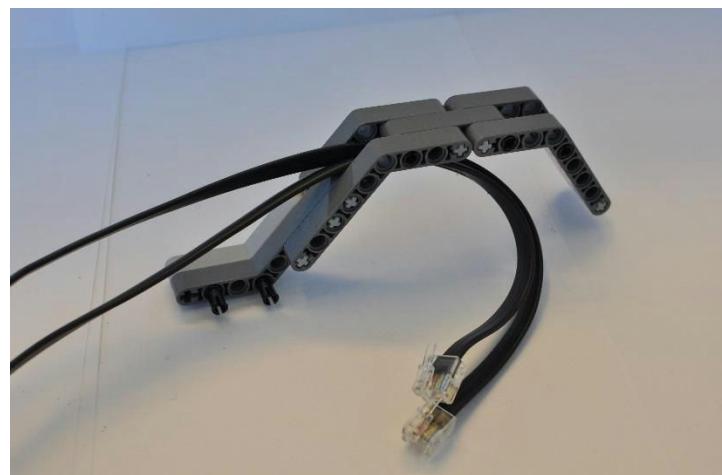
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# *LegoCarduino Byggeinstruksjoner*

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# LegoCarduino Byggeinstruksjoner



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# LegoCarduino Byggeinstruksjoner

35



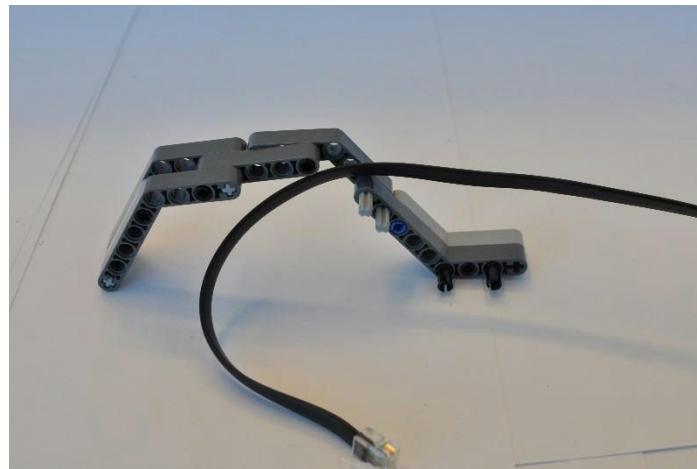
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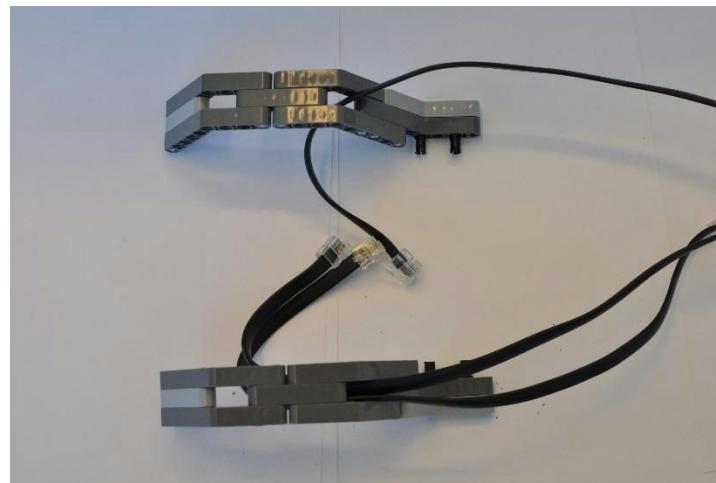
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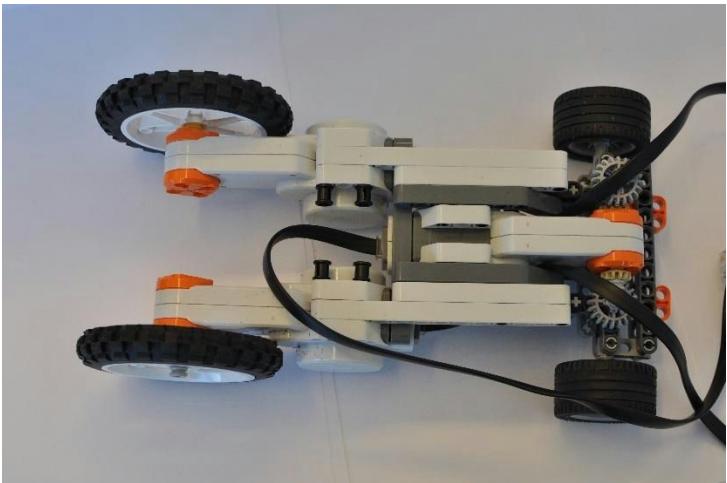
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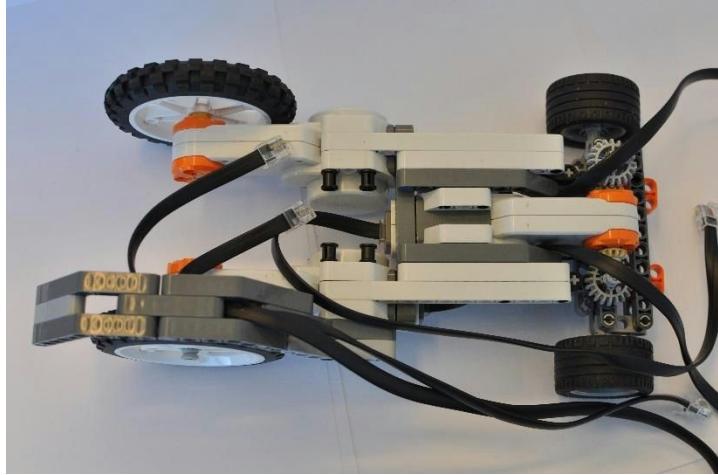
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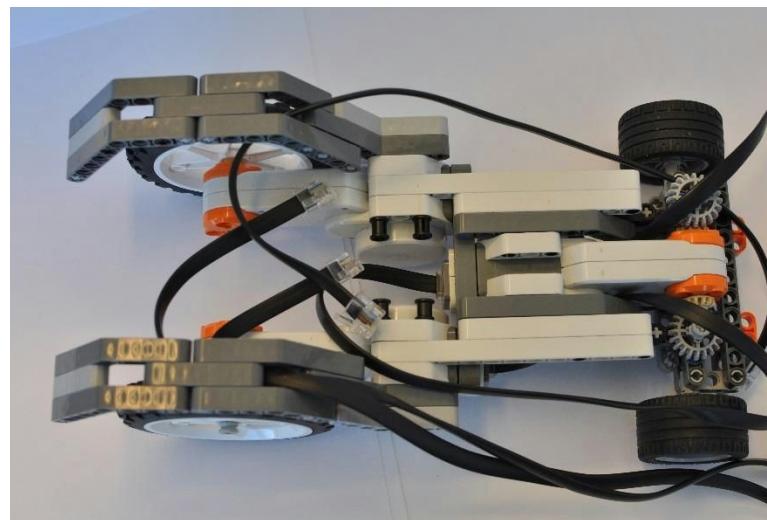
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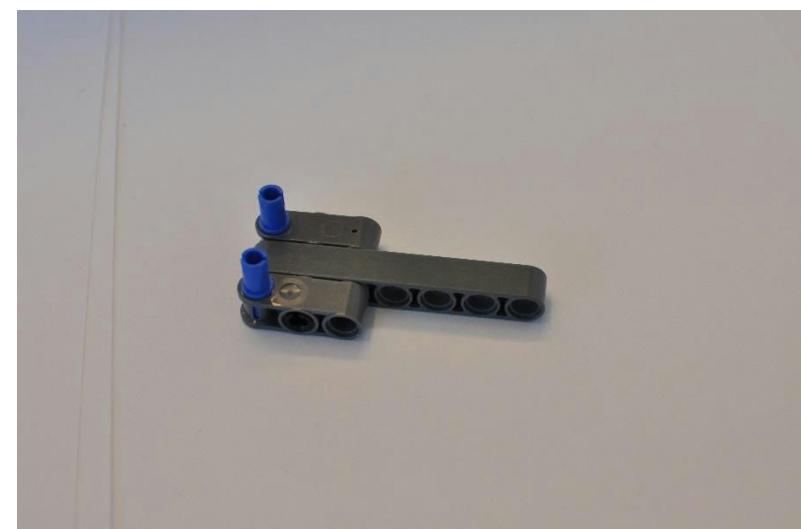
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# *LegoCarduino Byggeinstruksjoner*

## III. Hodet



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# LegoCarduino Byggeinstruksjoner

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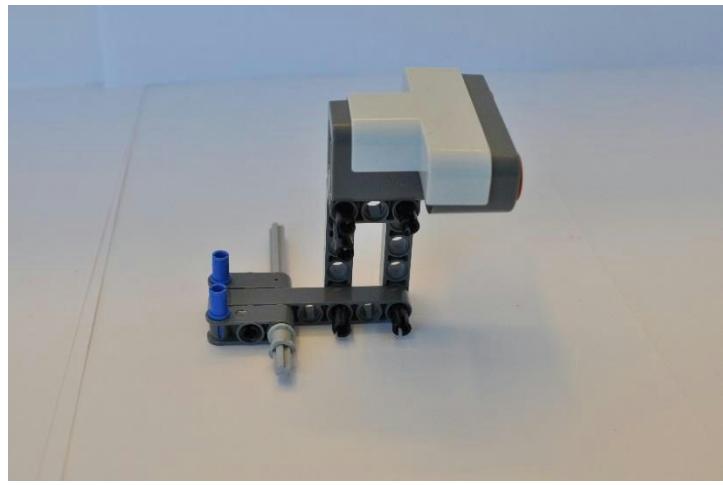


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# LegoCarduino Byggeinstruksjoner



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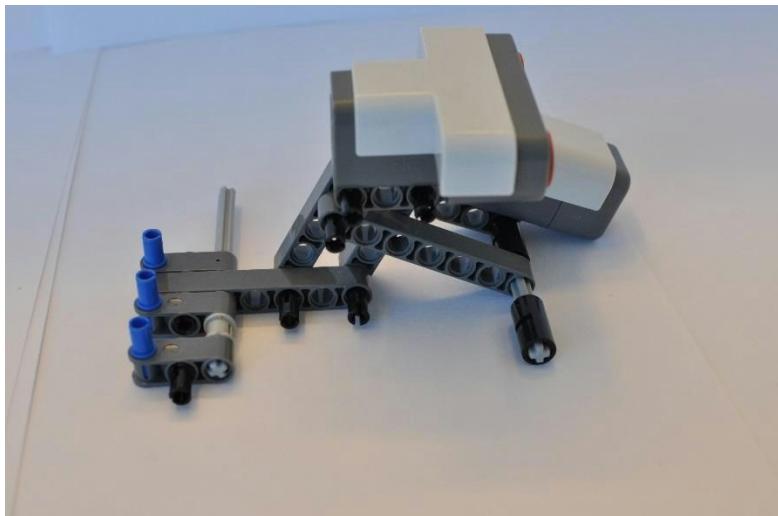
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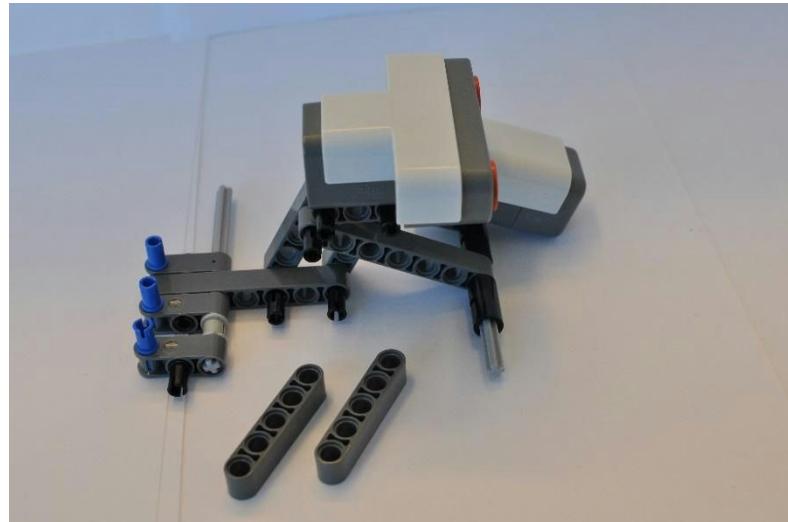
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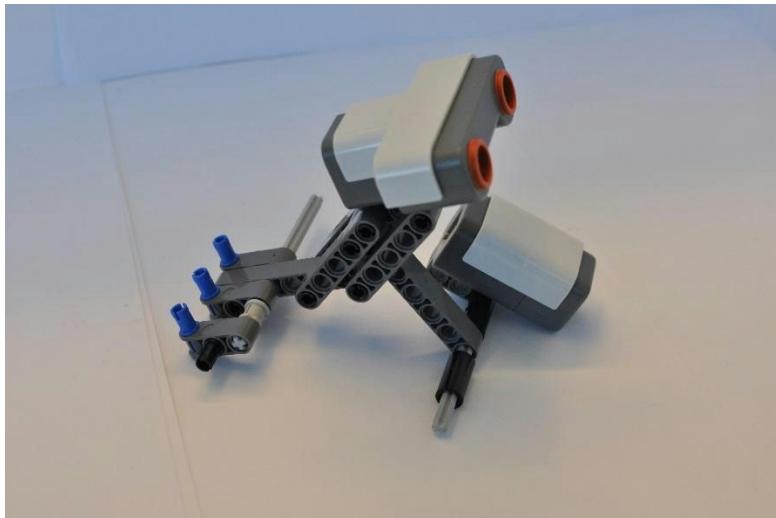
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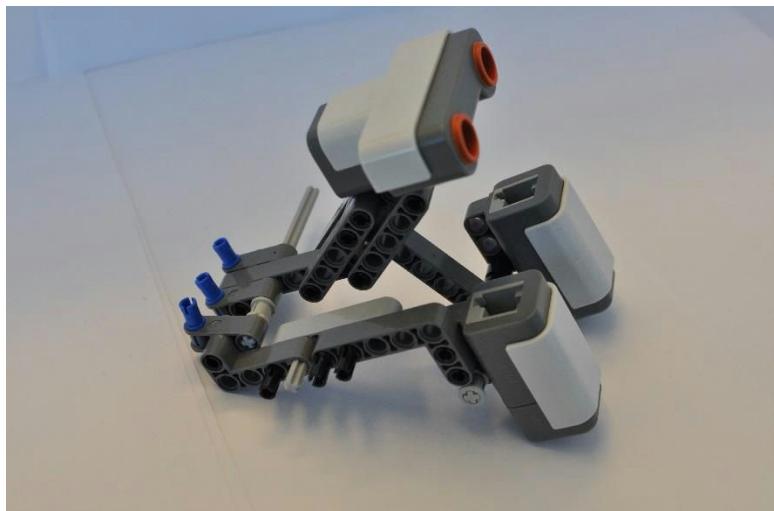


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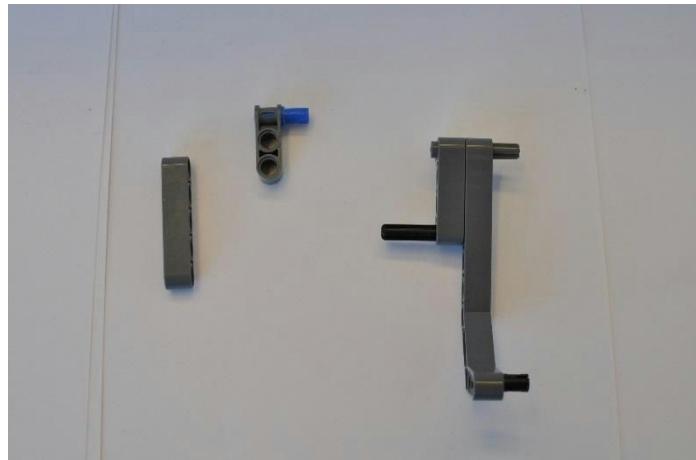
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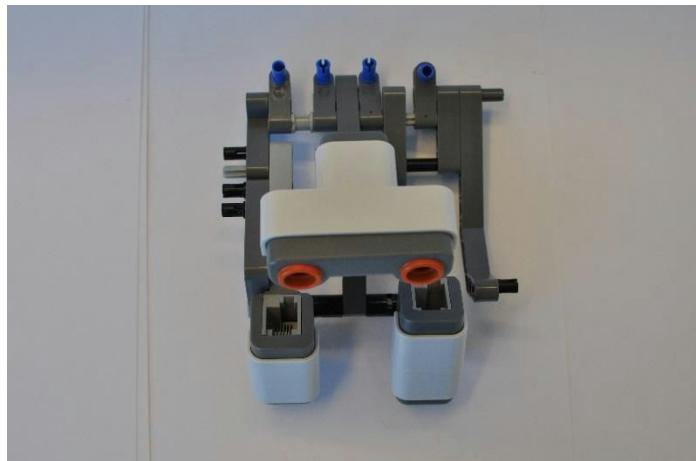


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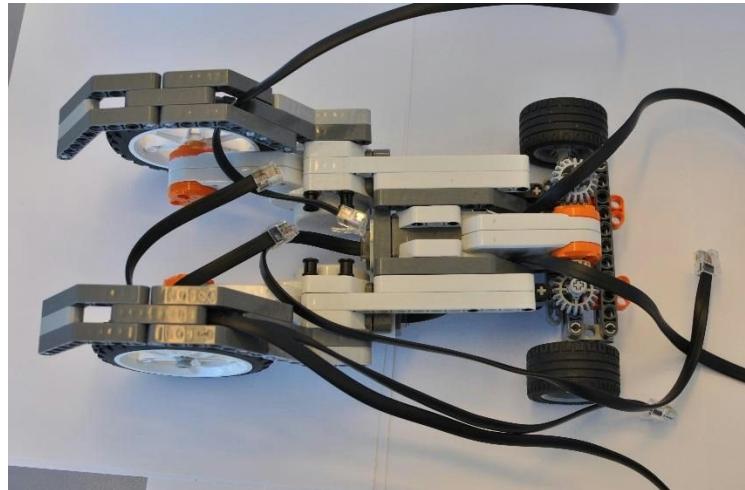
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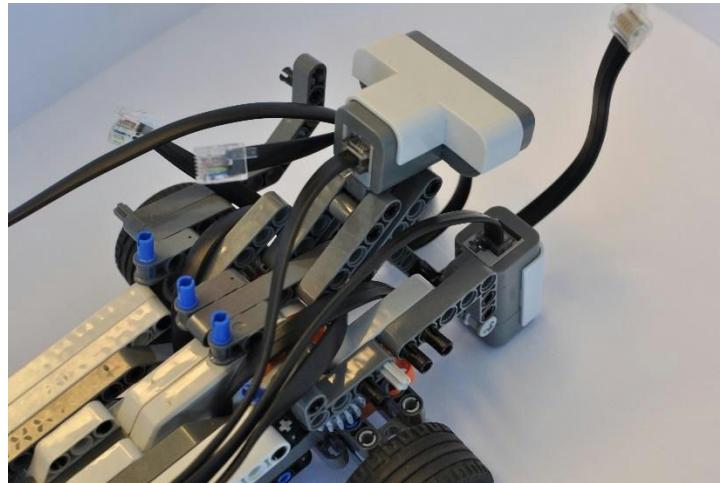
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# *LegoCarduino Byggeinstruksjoner*

## IV. Bilens kjerne



1



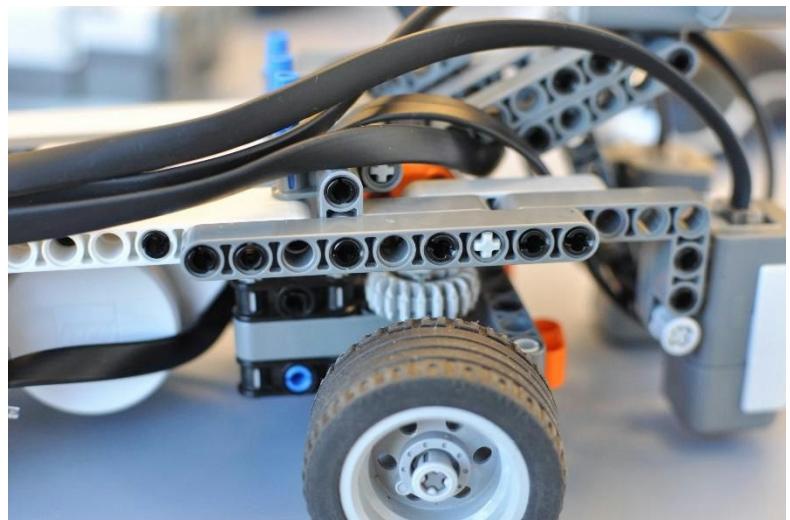
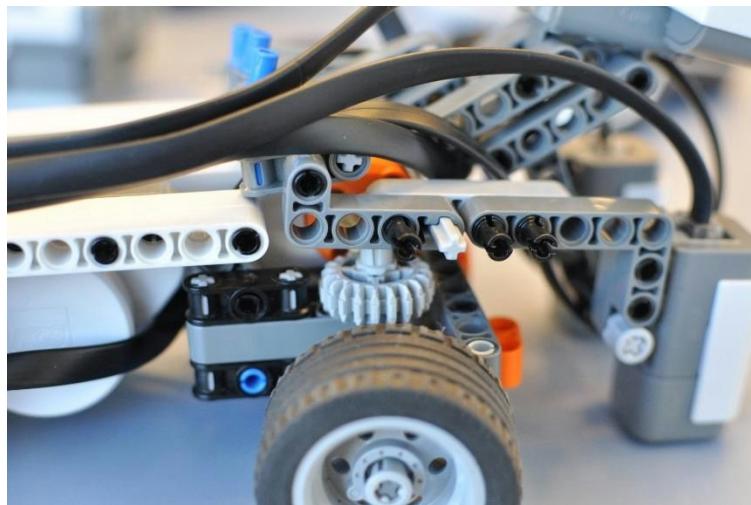
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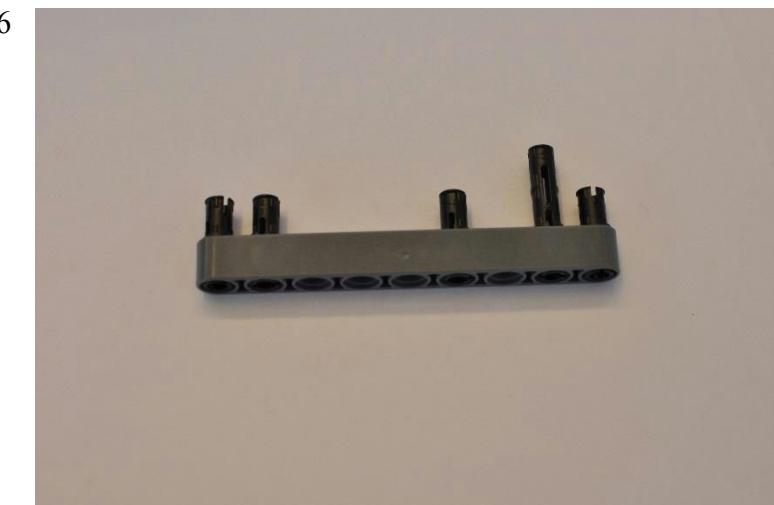
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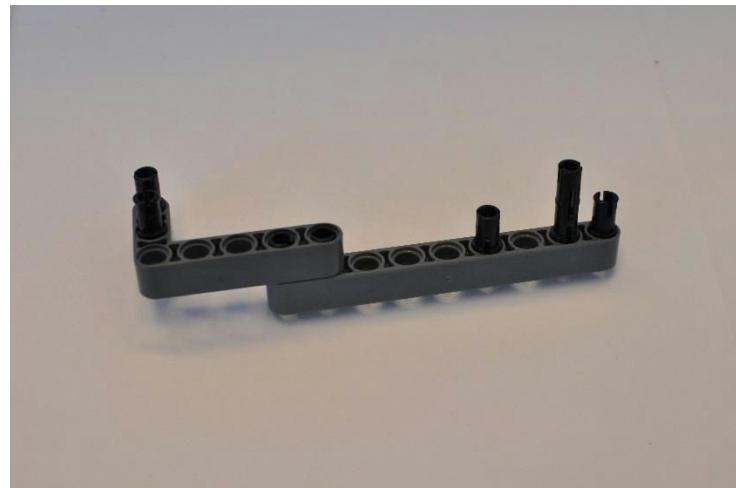
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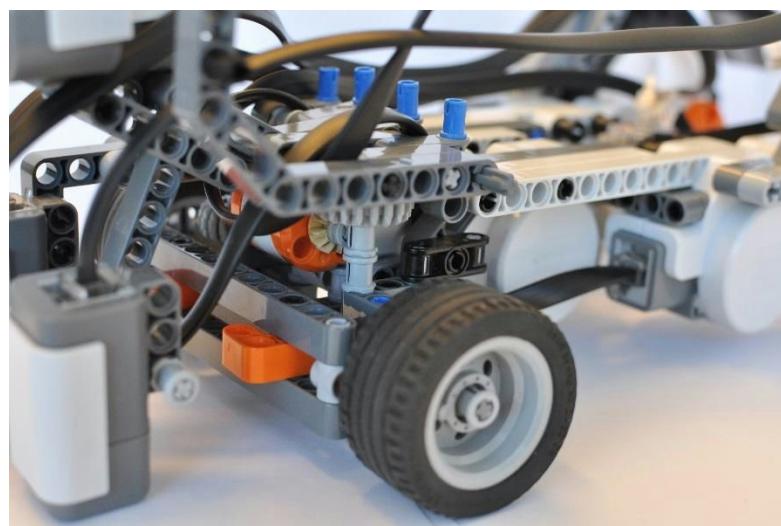
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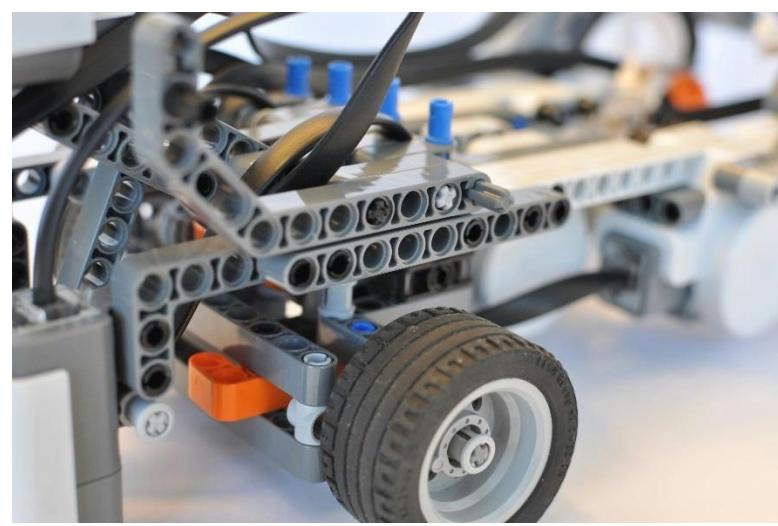
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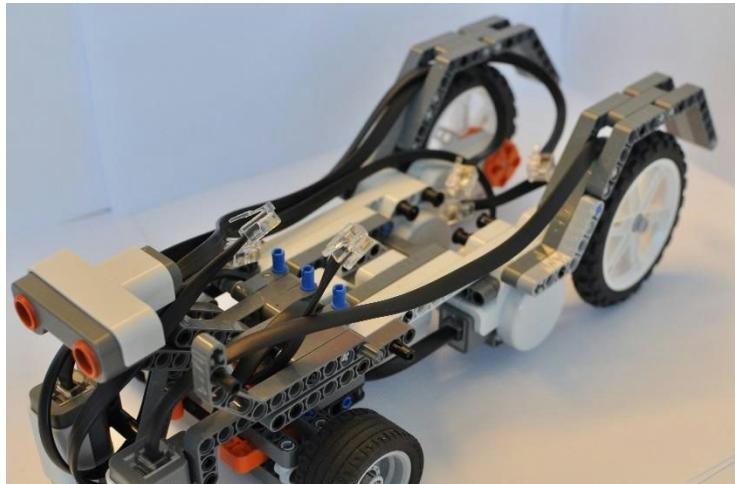


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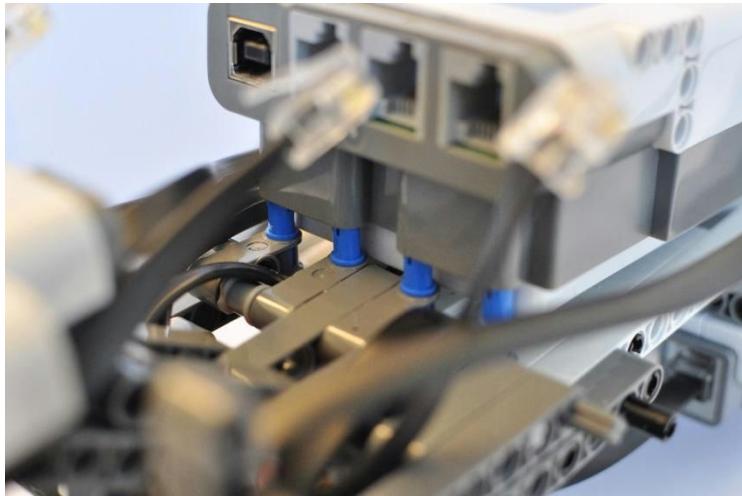


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# LegoCarduino Byggeinstruksjoner



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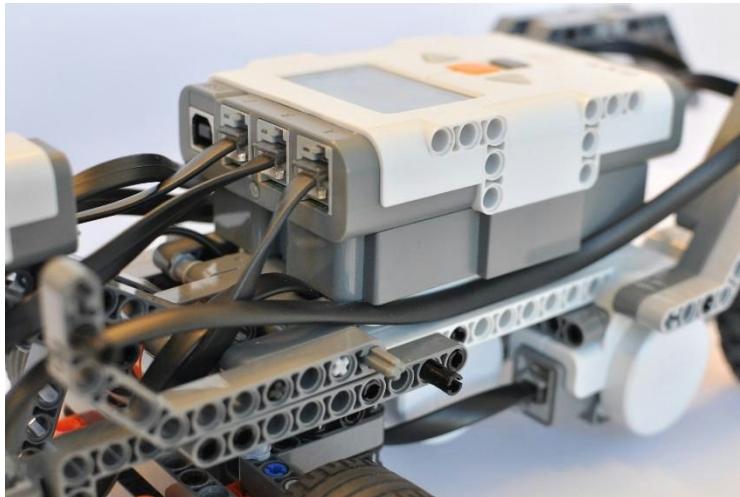
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# LegoCarduino Byggeinstruksjoner

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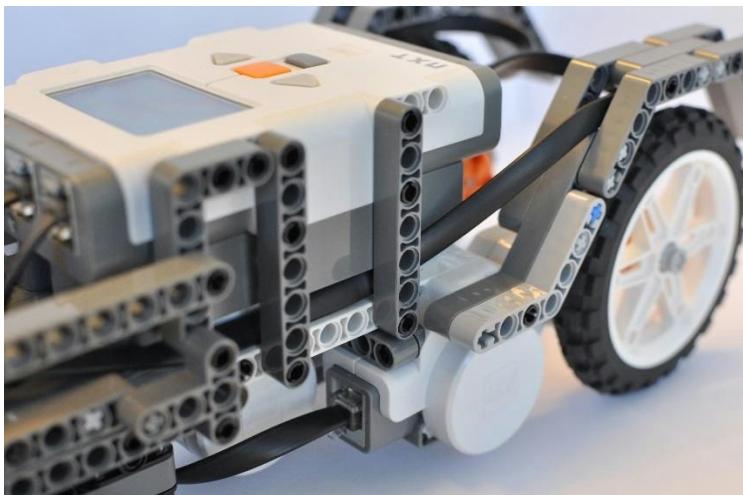
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x2

# LegoCarduino Byggeinstruksjoner

19



20



x2

21



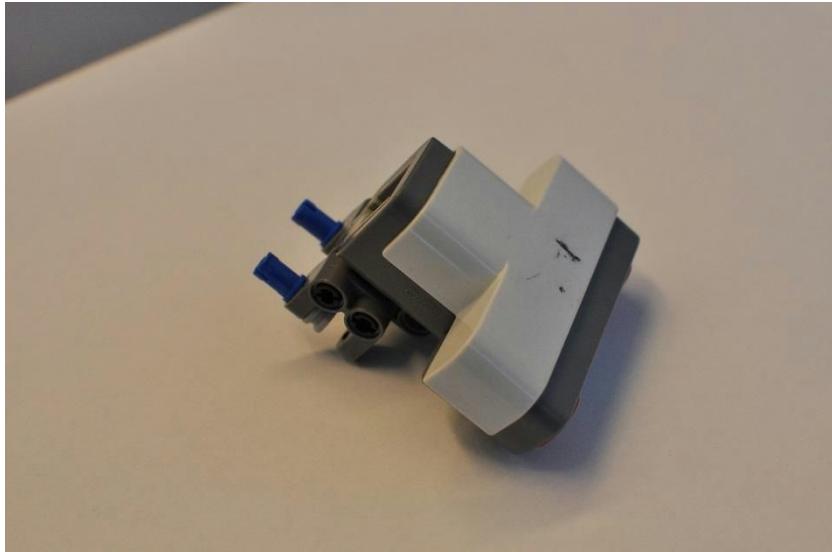
22



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# *LegoCarduino Byggeinstruksjoner*

Med en avstandssensor i tillegg:



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