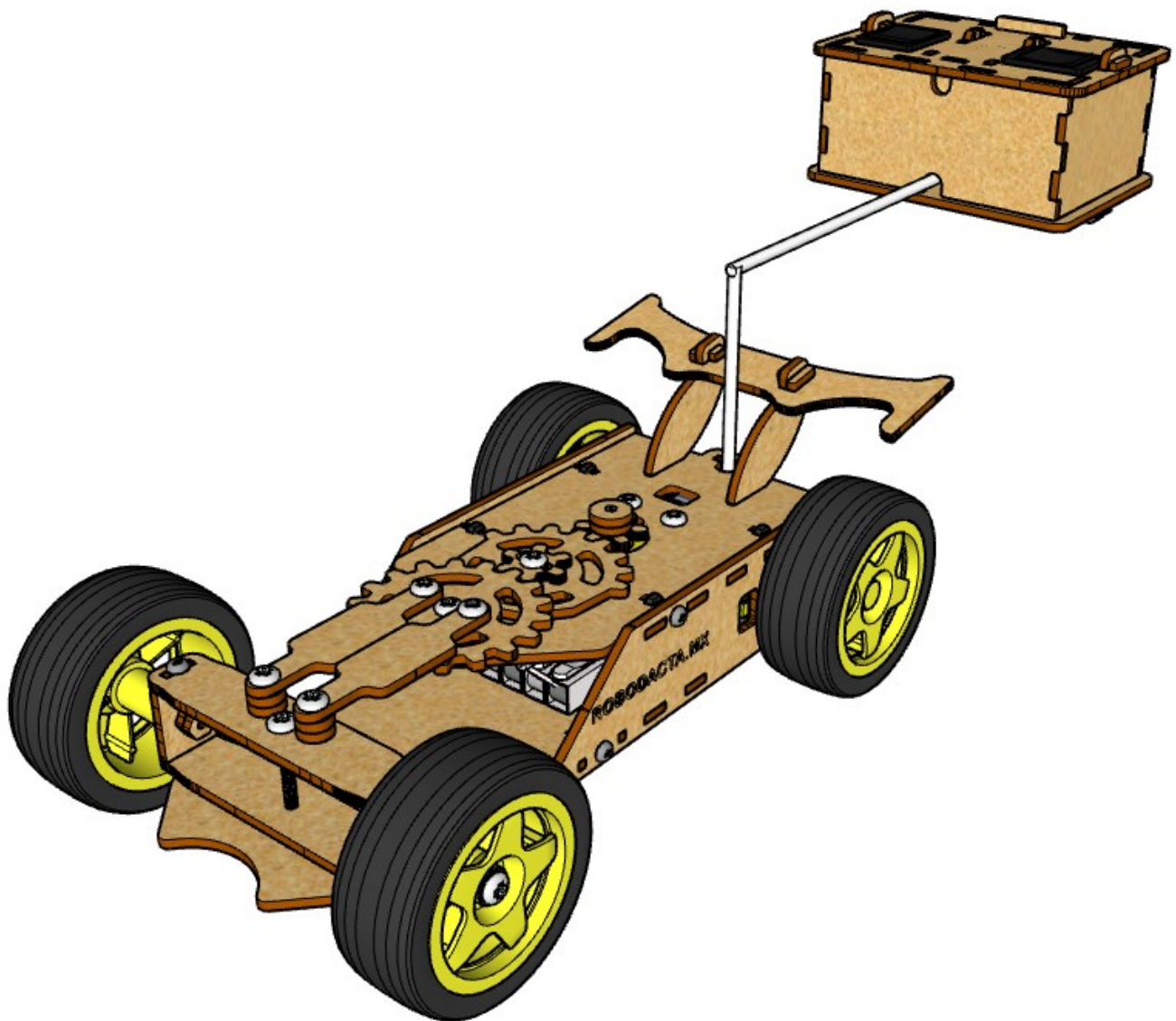


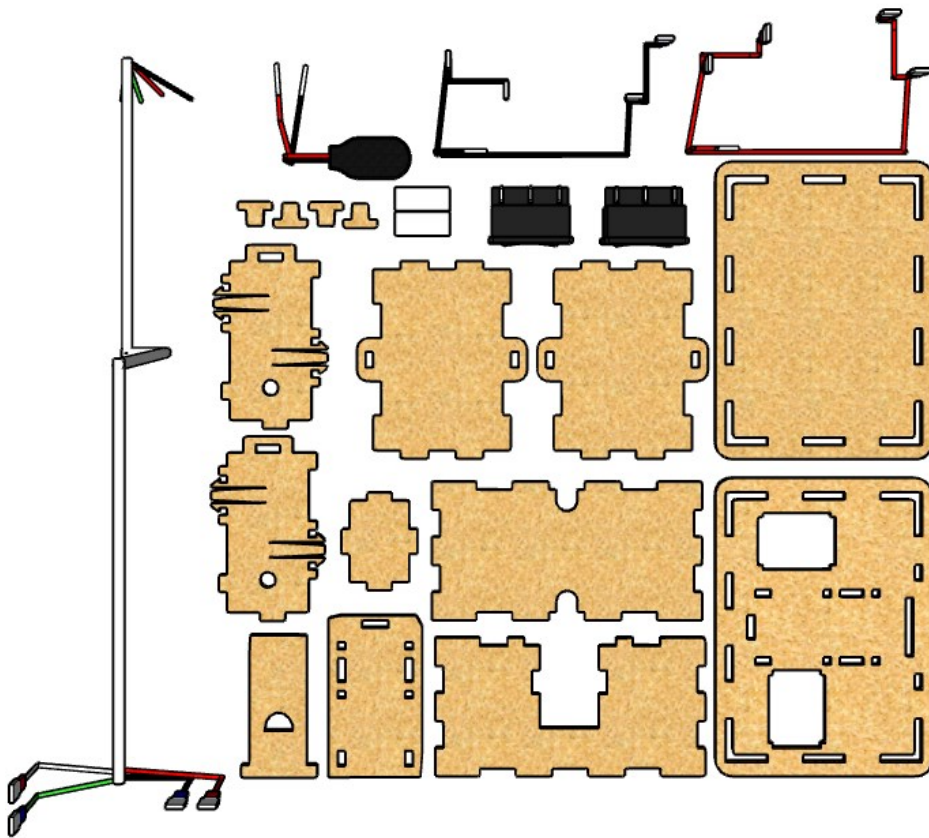
**robodacta**.mx  
robótica didáctica

Manual de ensamble  
**Kit Carro Direccional**

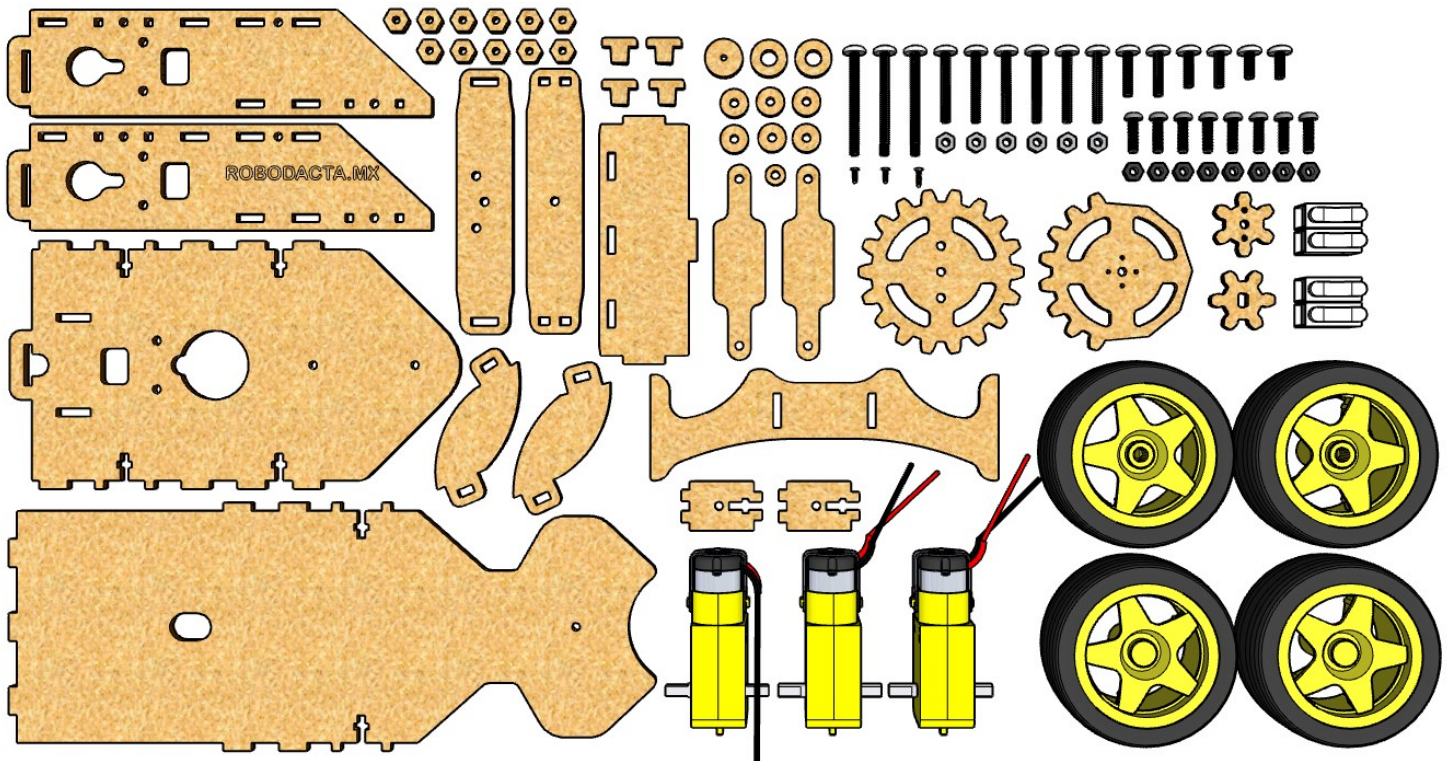
Código KIT1199



*Para poder armar el **Carro Direccional** identifica las siguientes piezas.*



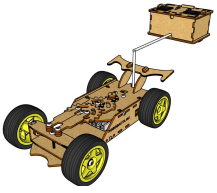
## Piezas para el control



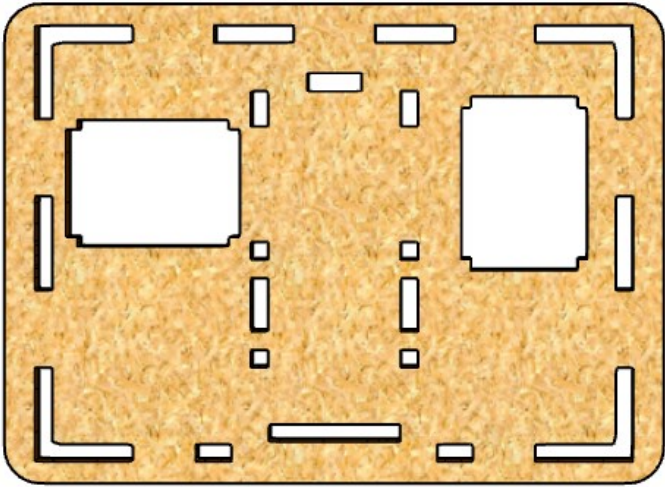
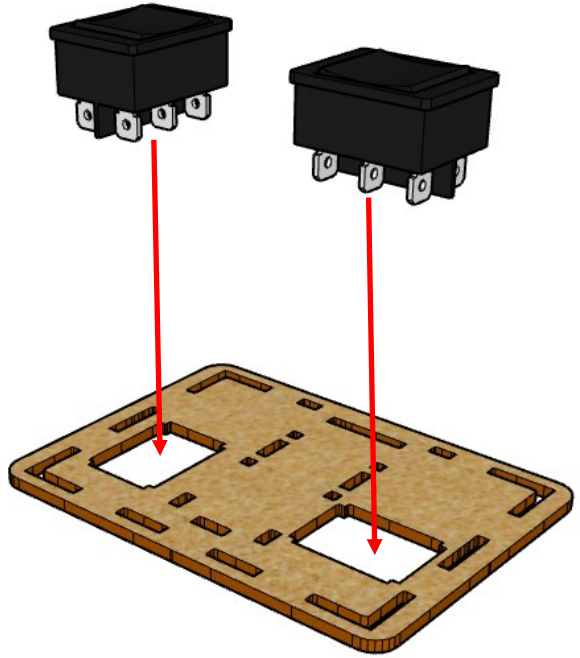
## Piezas para el carro

# Armado del control

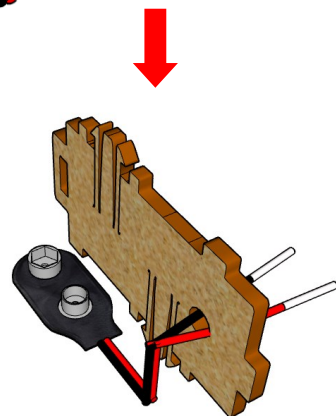
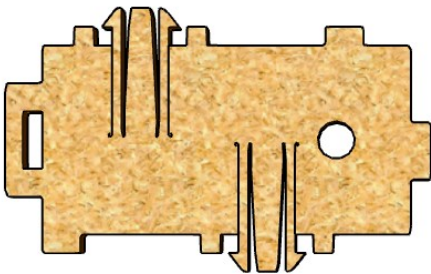
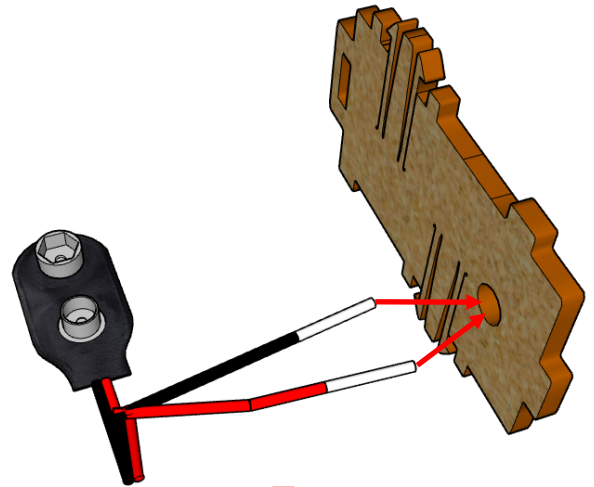
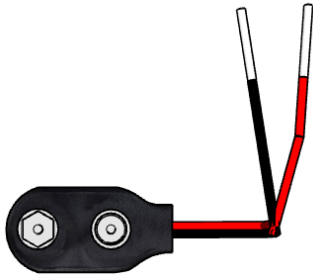
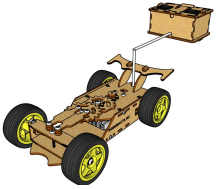
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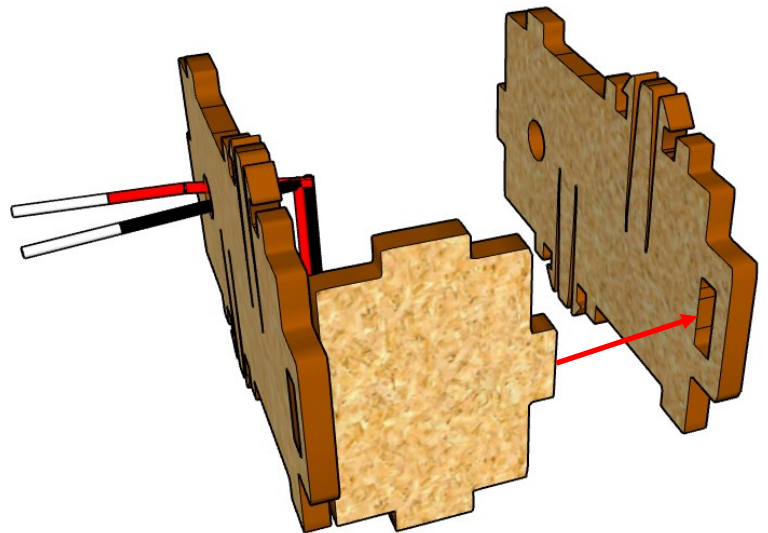
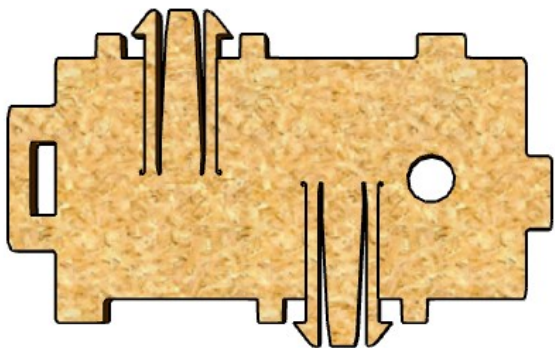
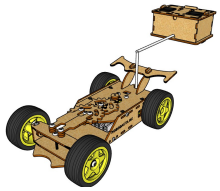
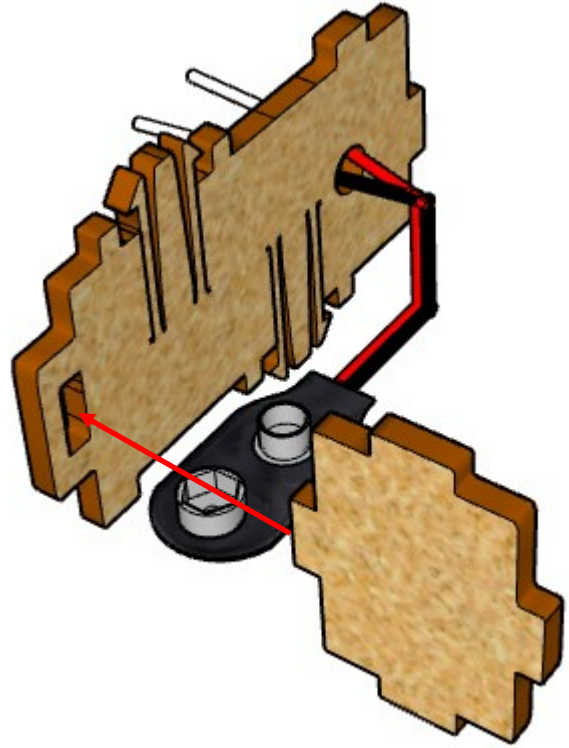
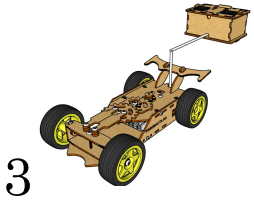


x2

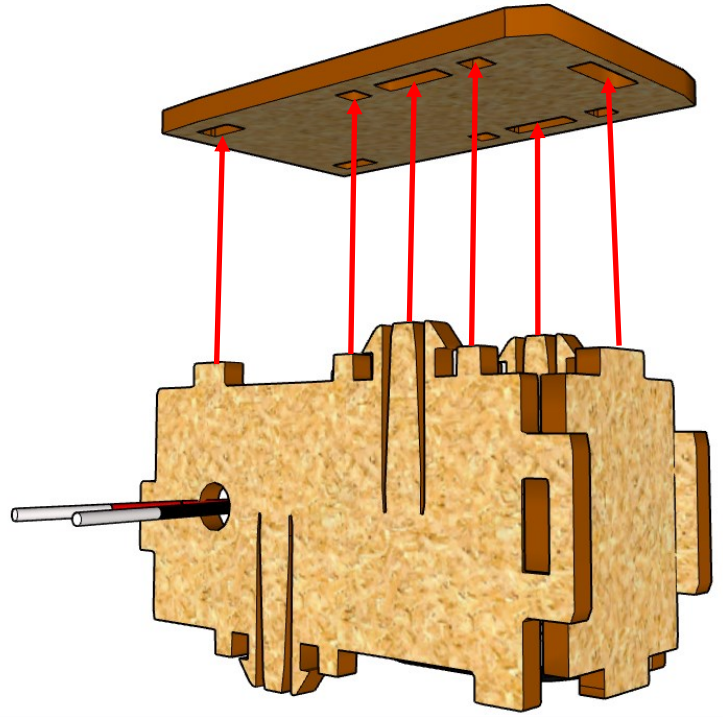
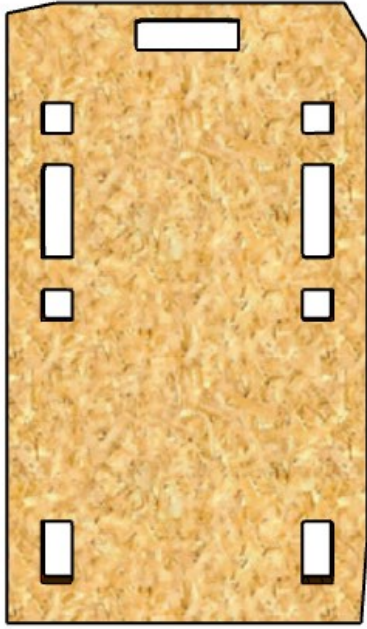
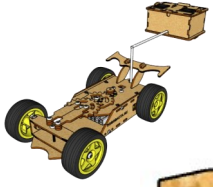


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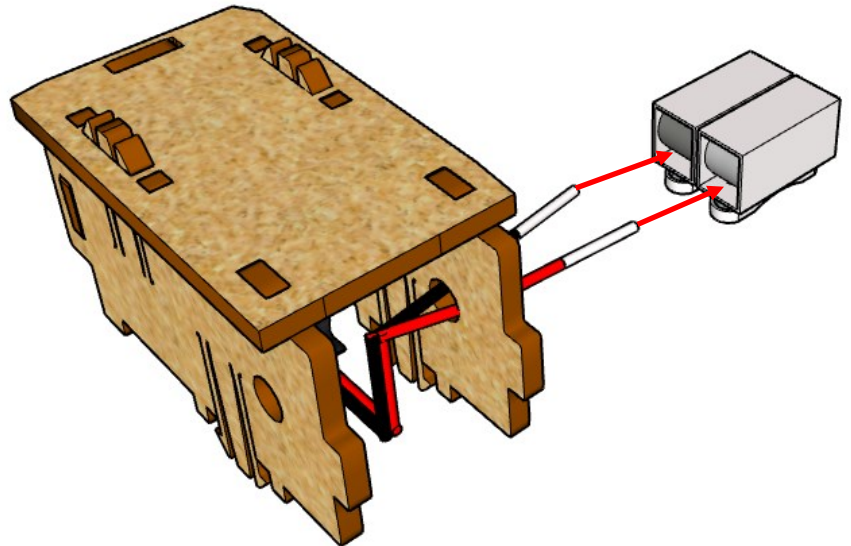
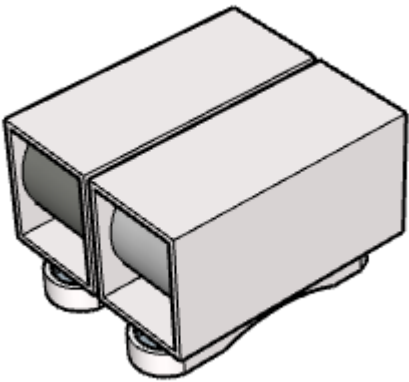
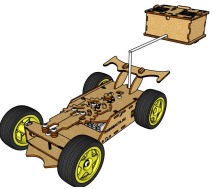


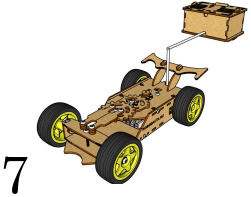


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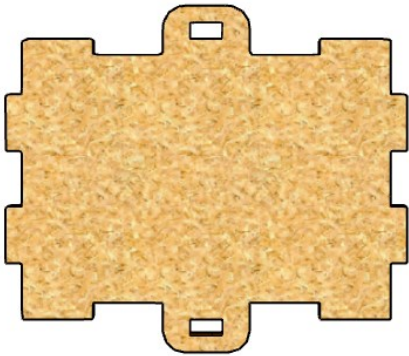
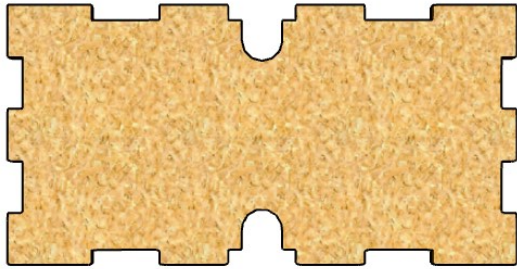


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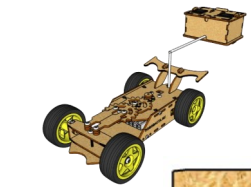
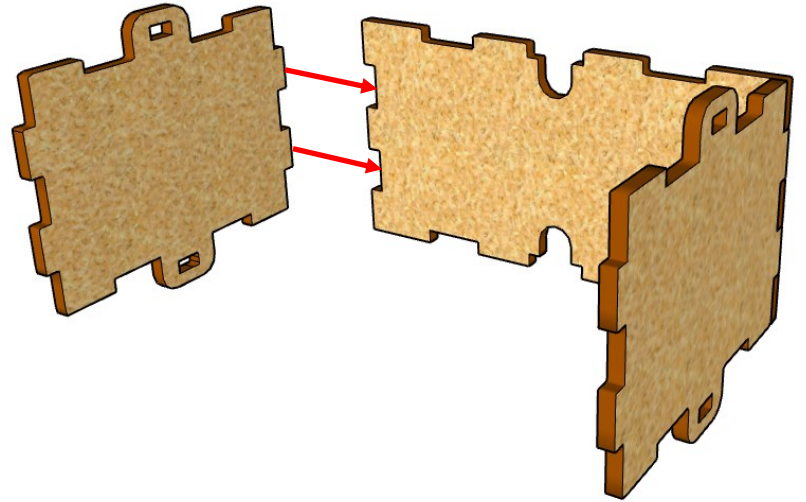
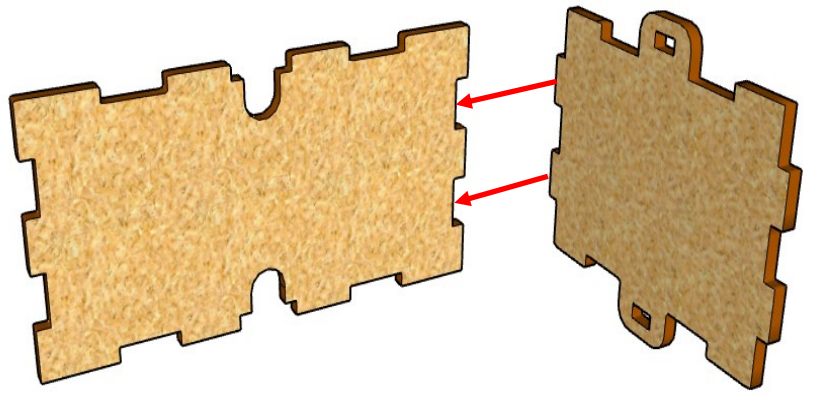




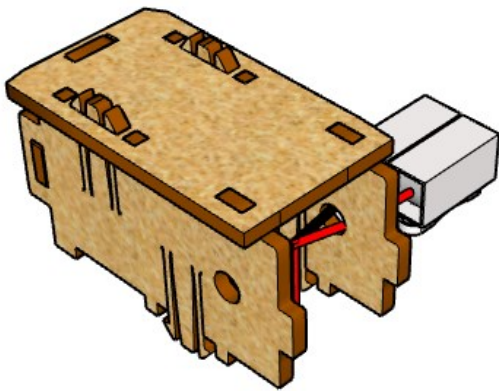
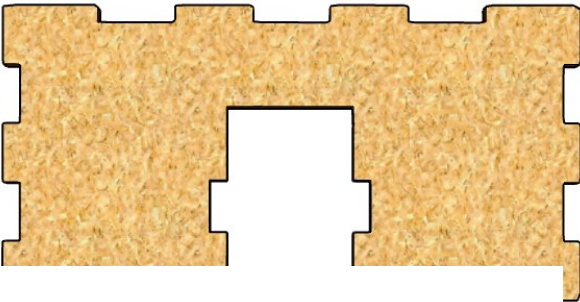
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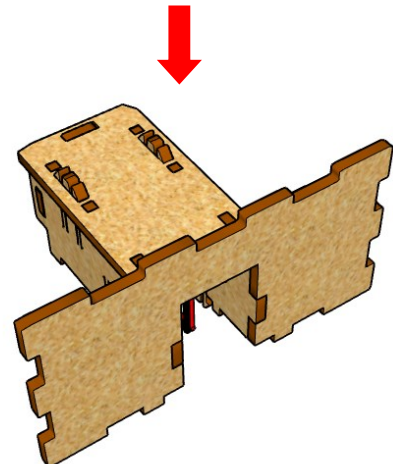
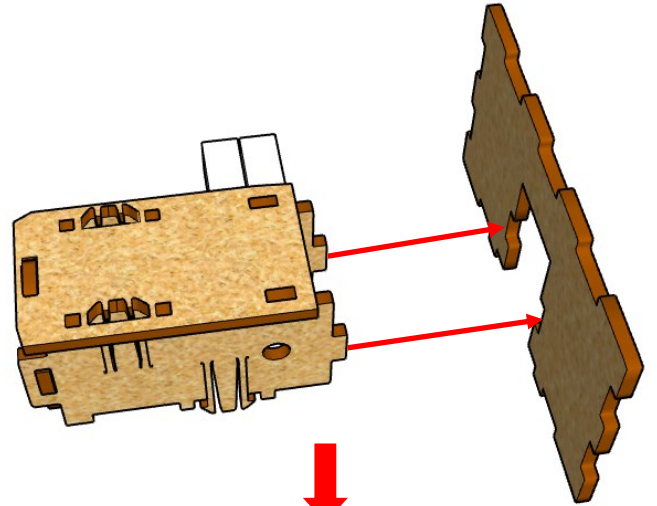
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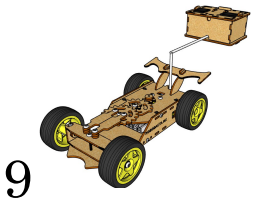


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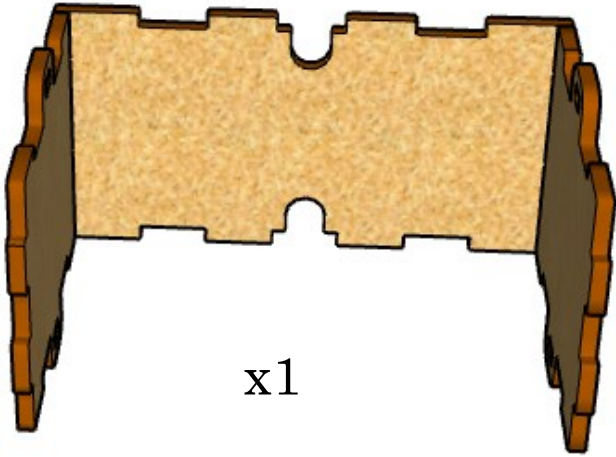


x1

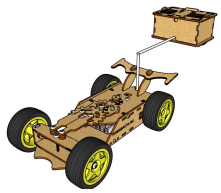
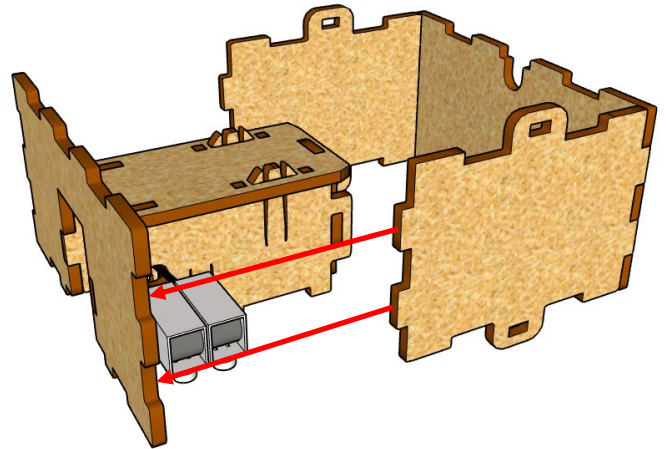
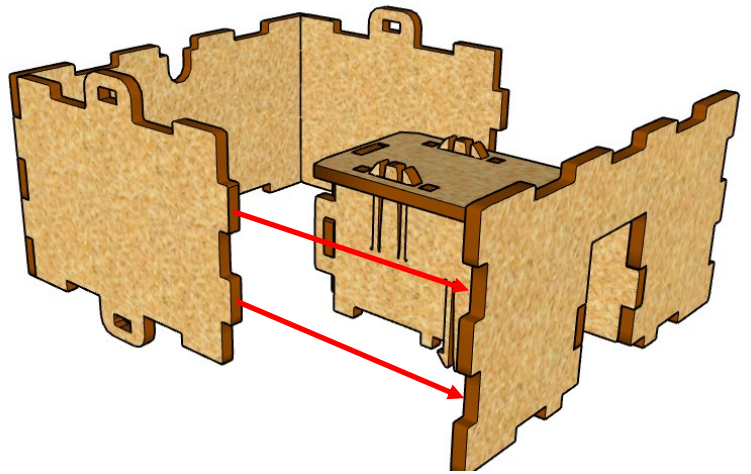




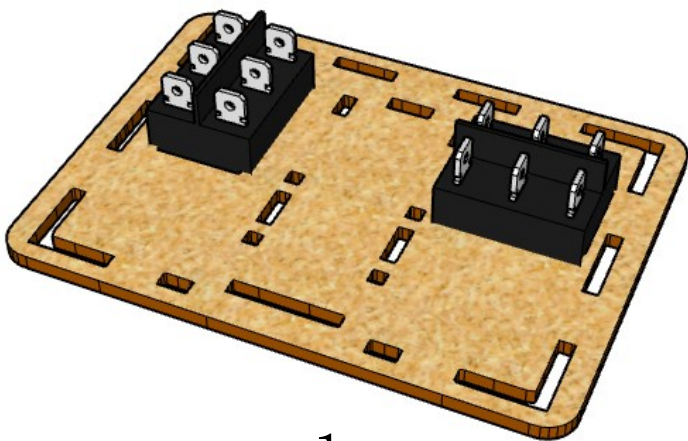
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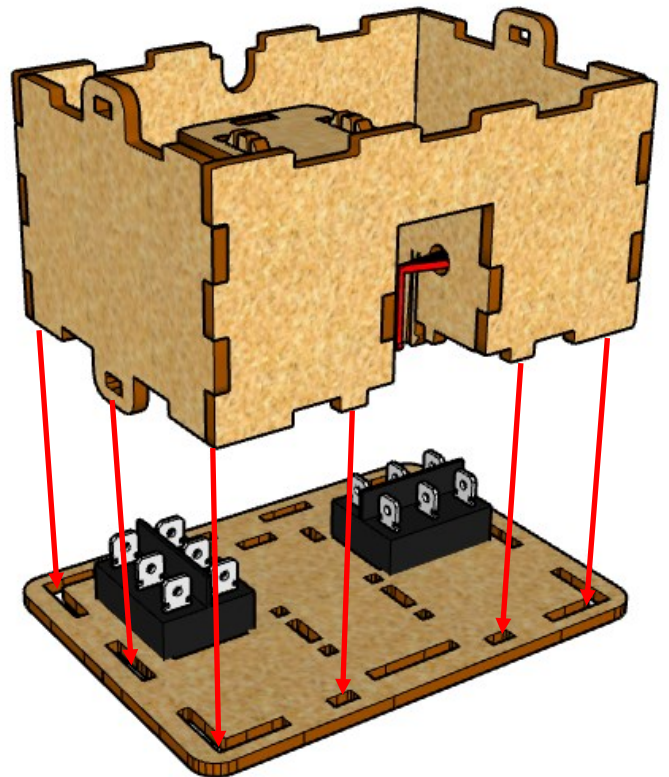
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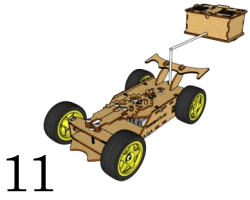


10



x1

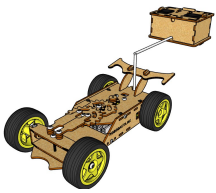
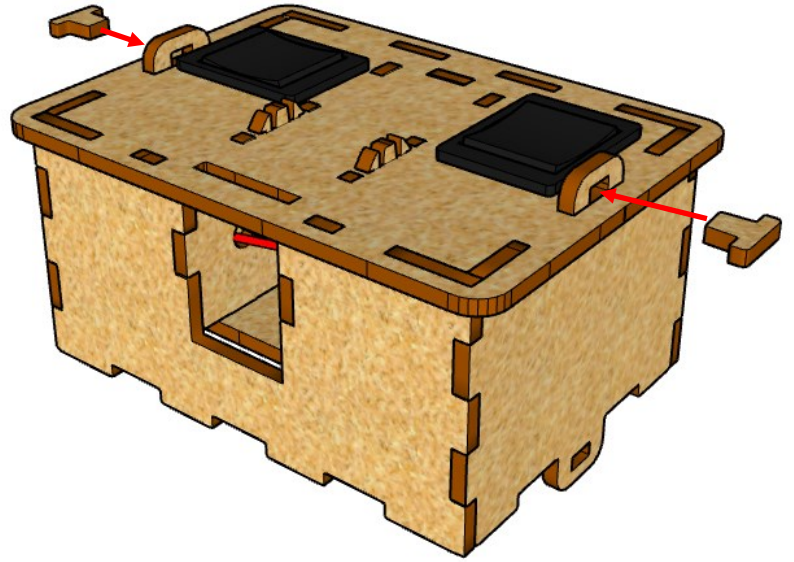




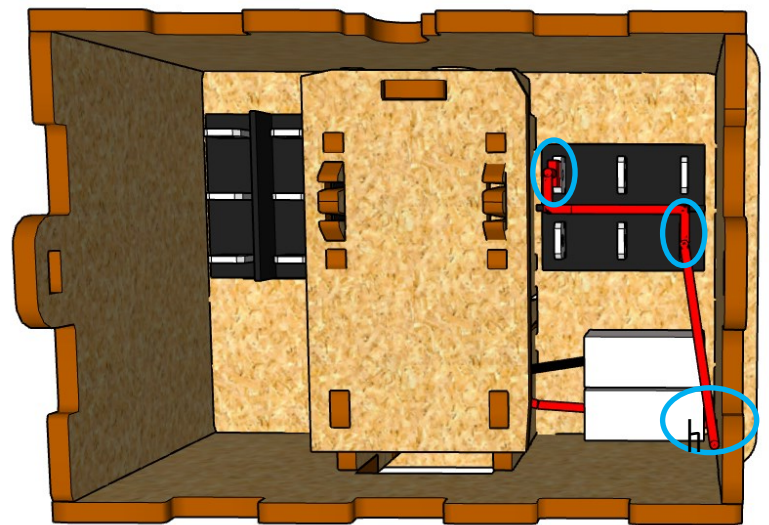
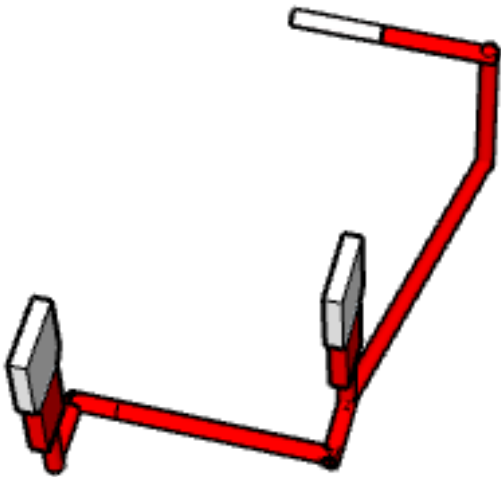
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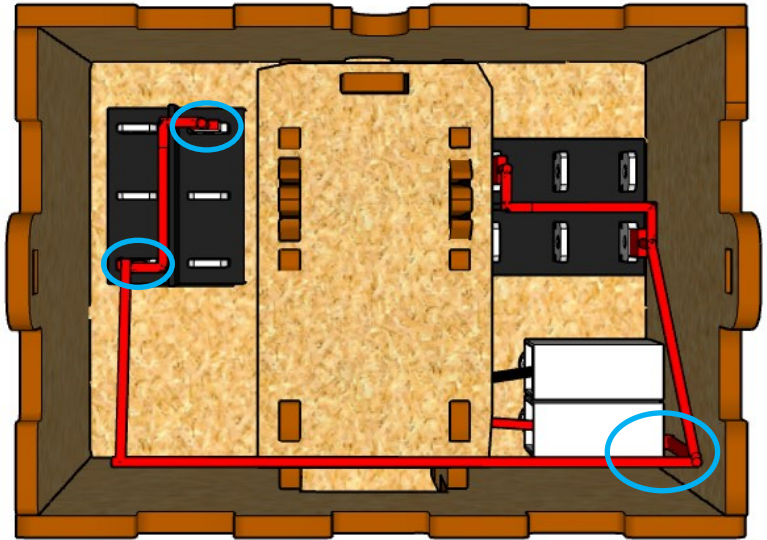
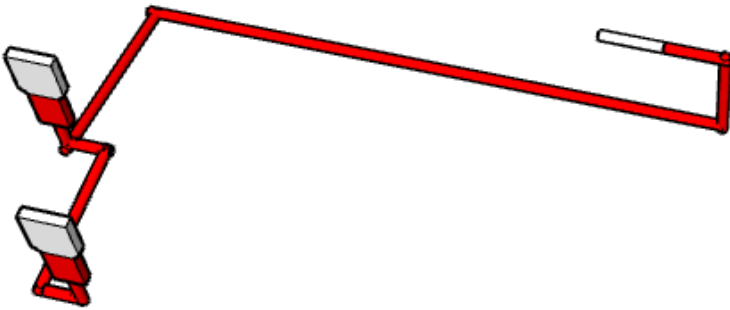
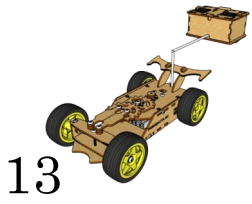
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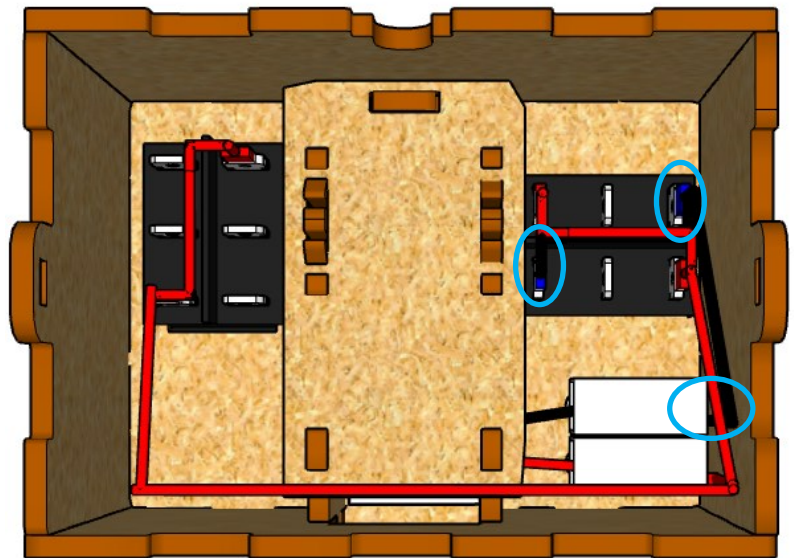
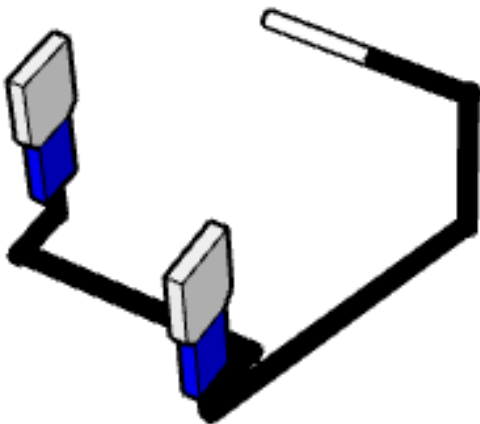
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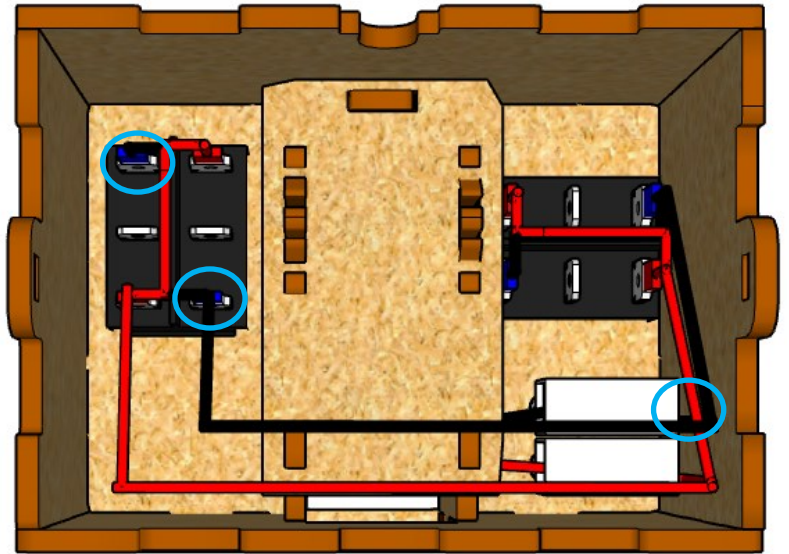
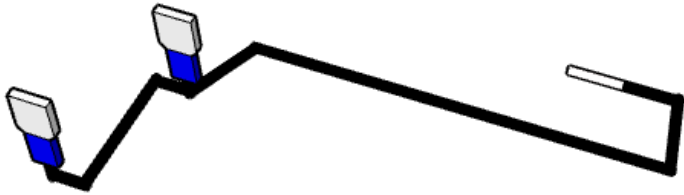
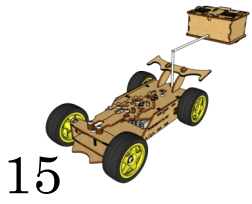
Realiza las siguientes conexiones



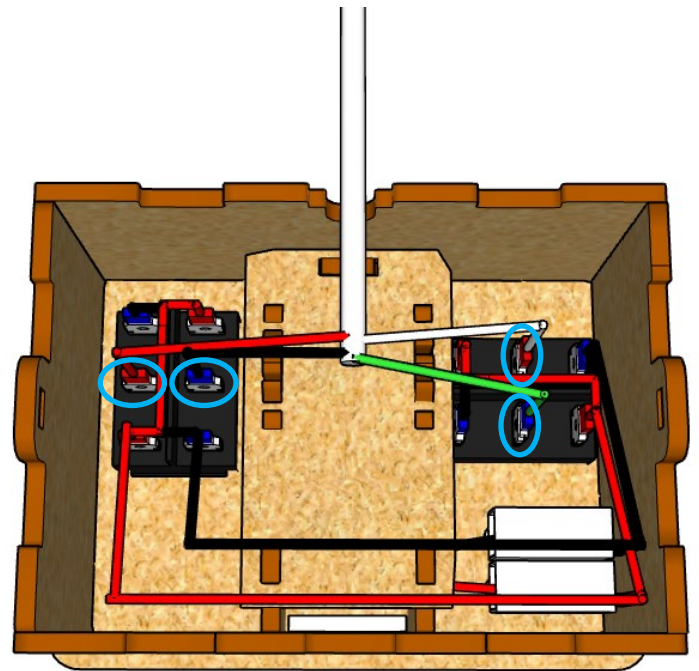
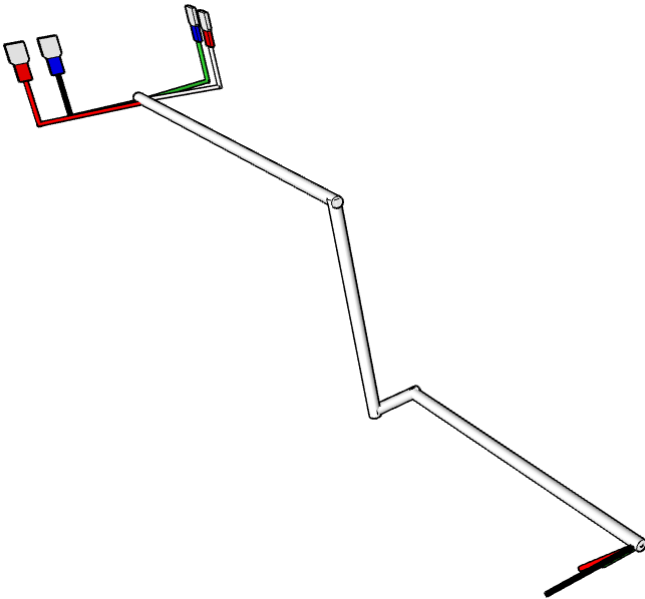
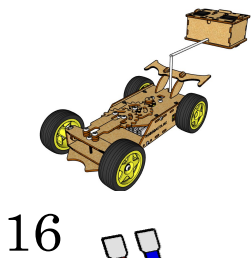
Realiza las siguientes conexiones



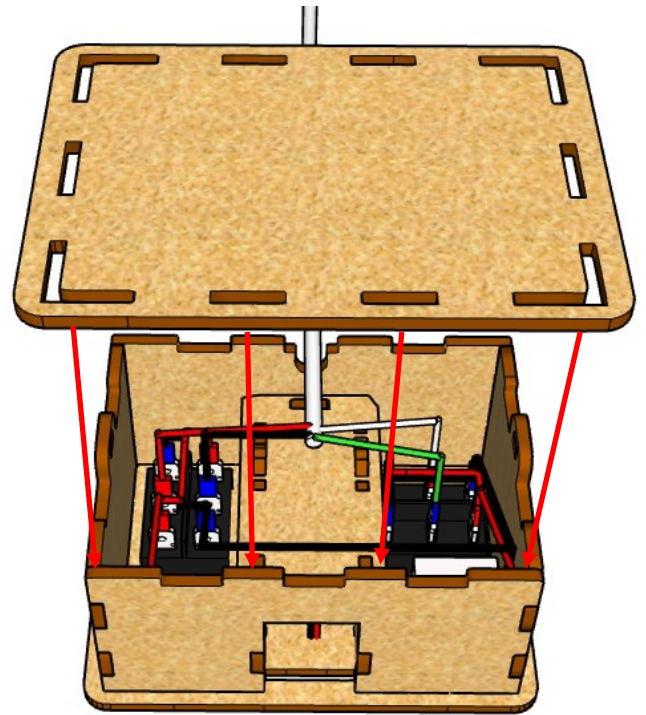
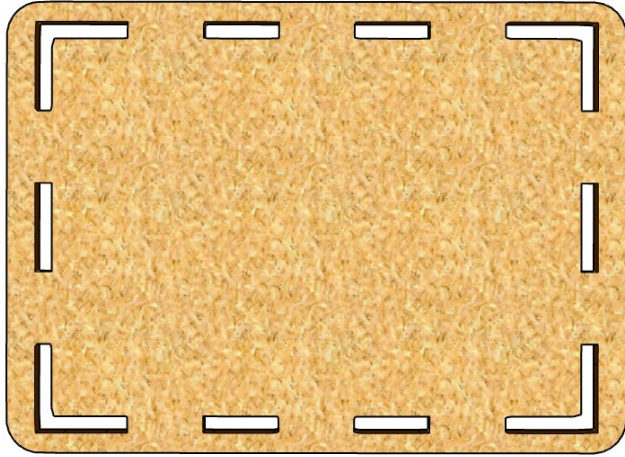
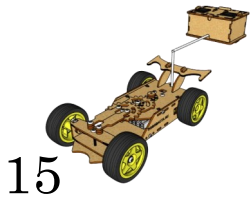
Realiza las siguientes conexiones



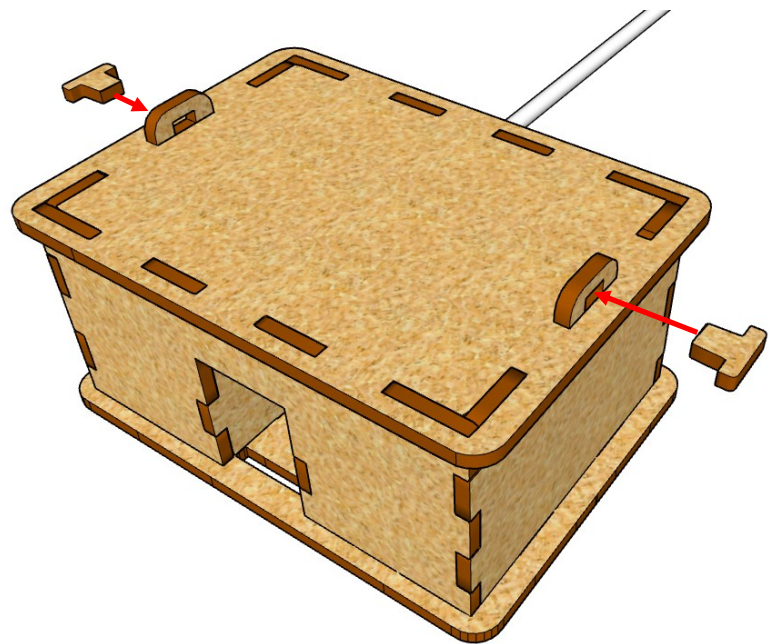
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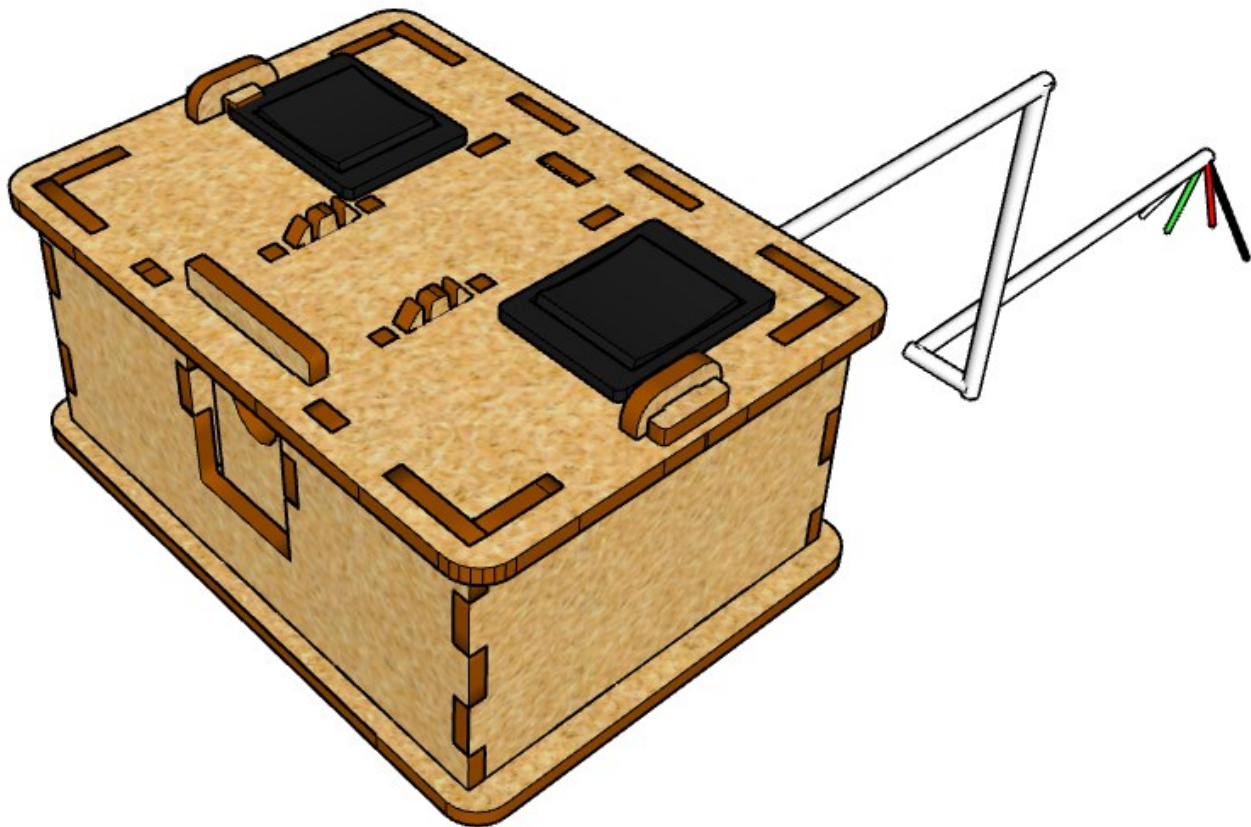
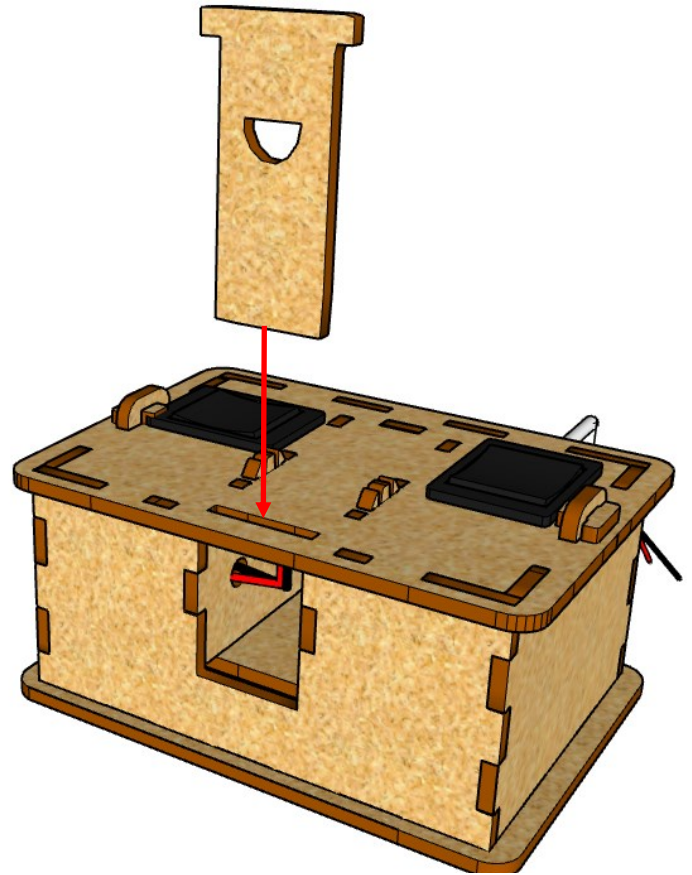
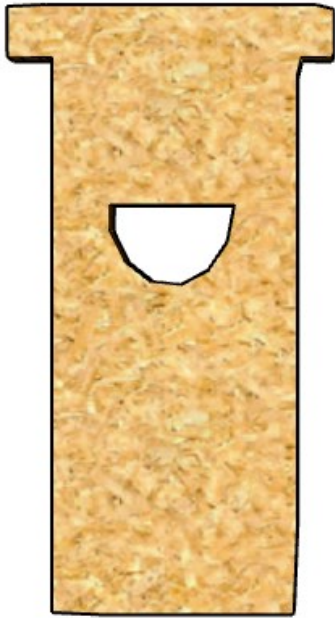
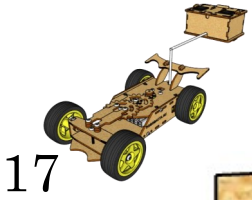


Realiza las siguientes conexiones



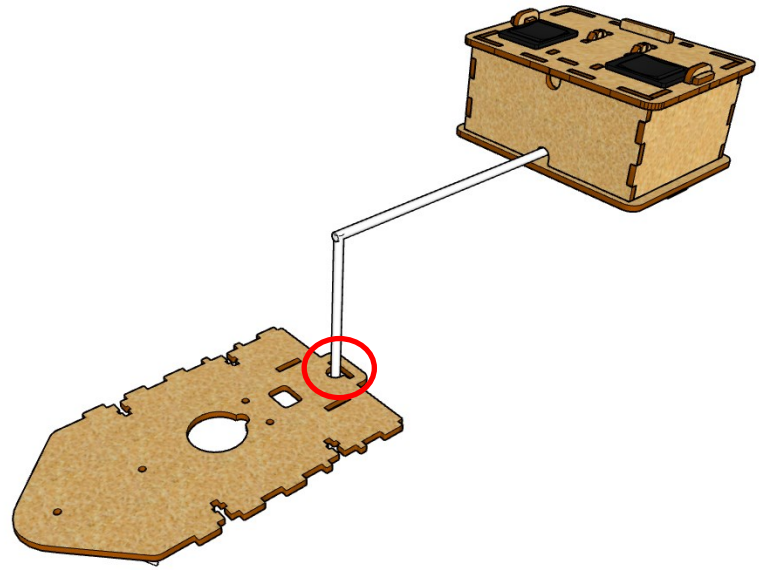
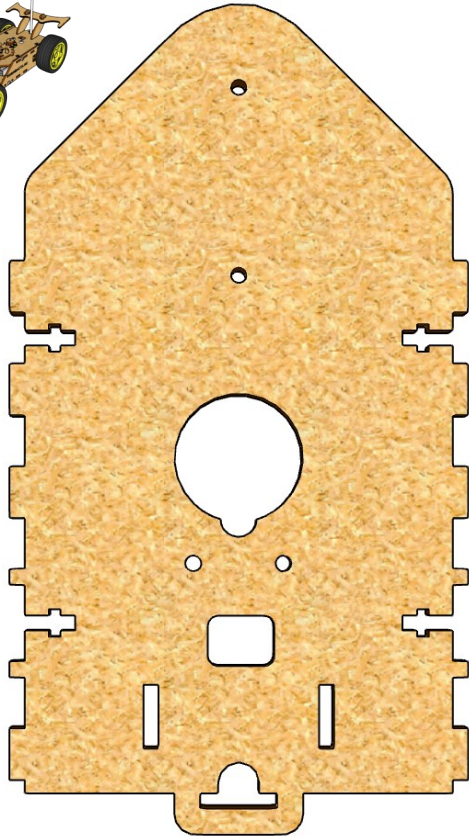
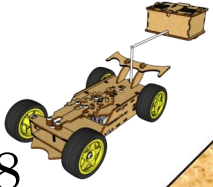
x2





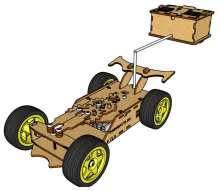
*Armado del carro*

18

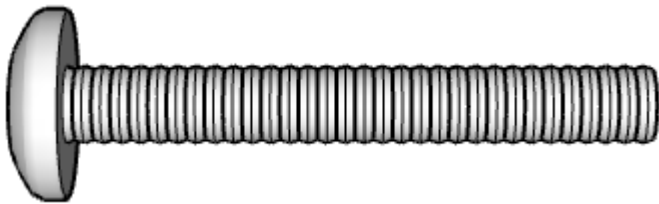


Pasa el cable blanco a través de este orificio

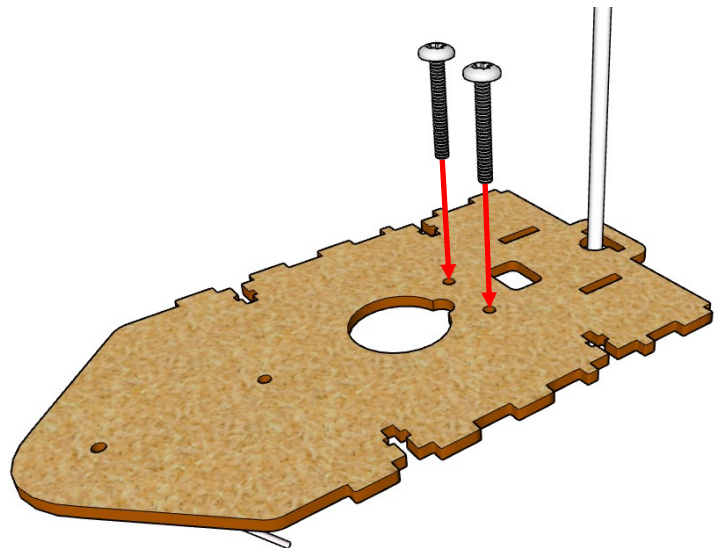
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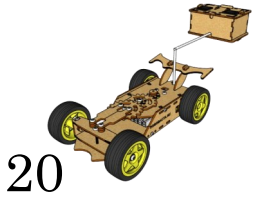


Tornillo de 2.7 cm

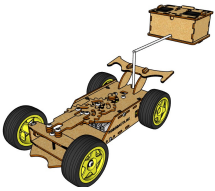
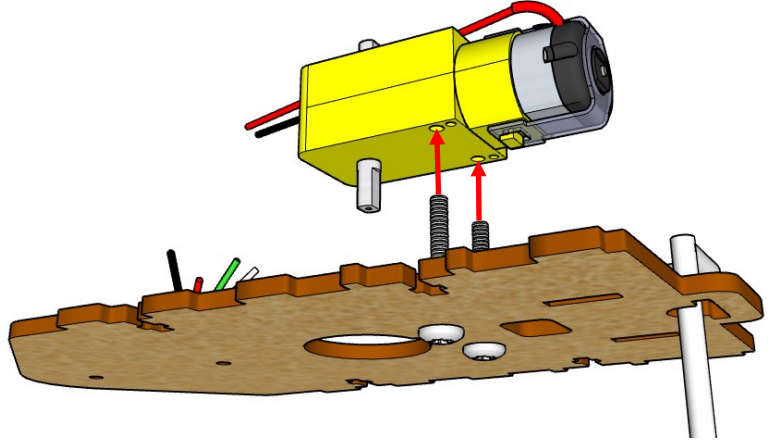
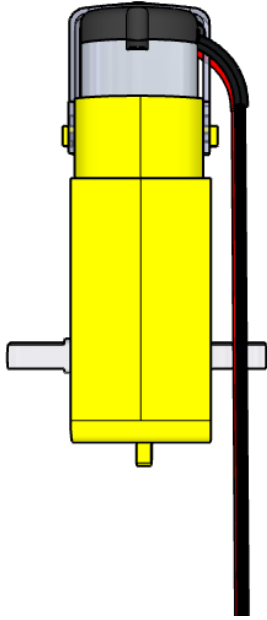


x2



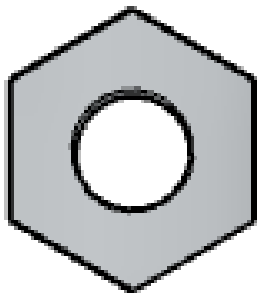


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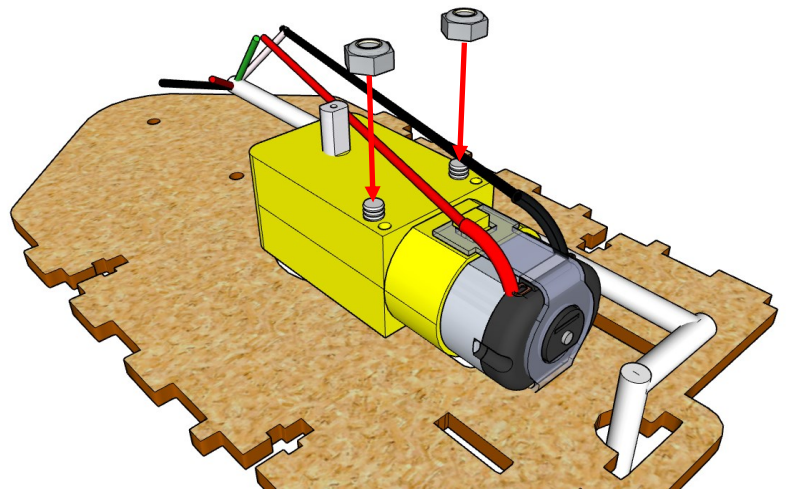


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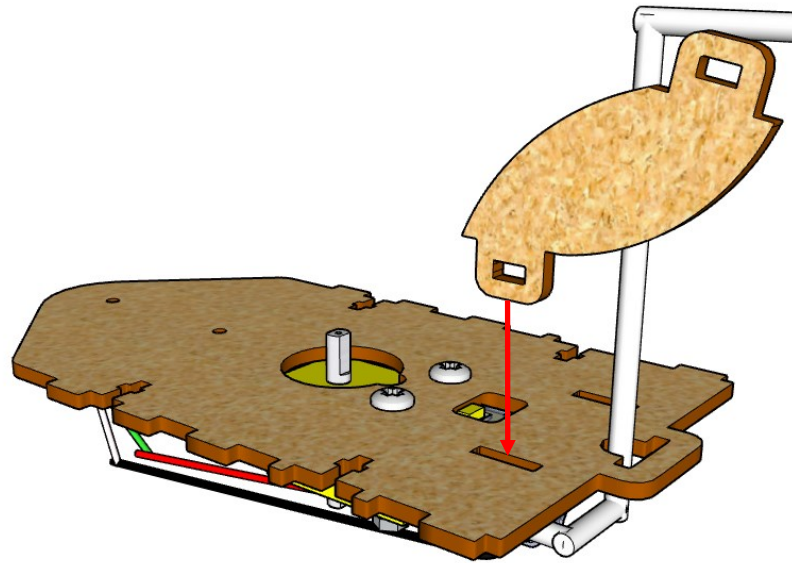
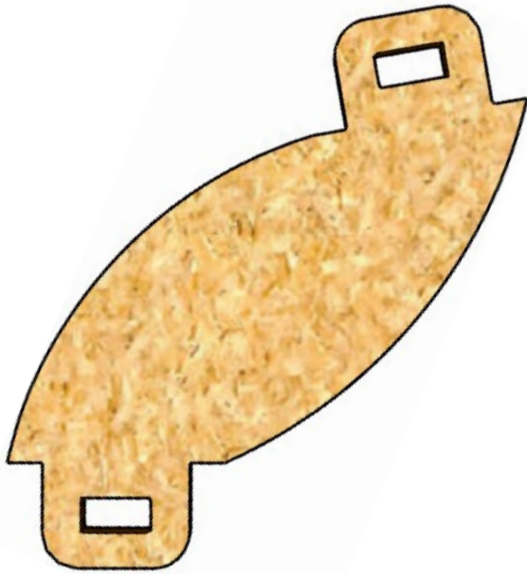
Tuerca metálica grande



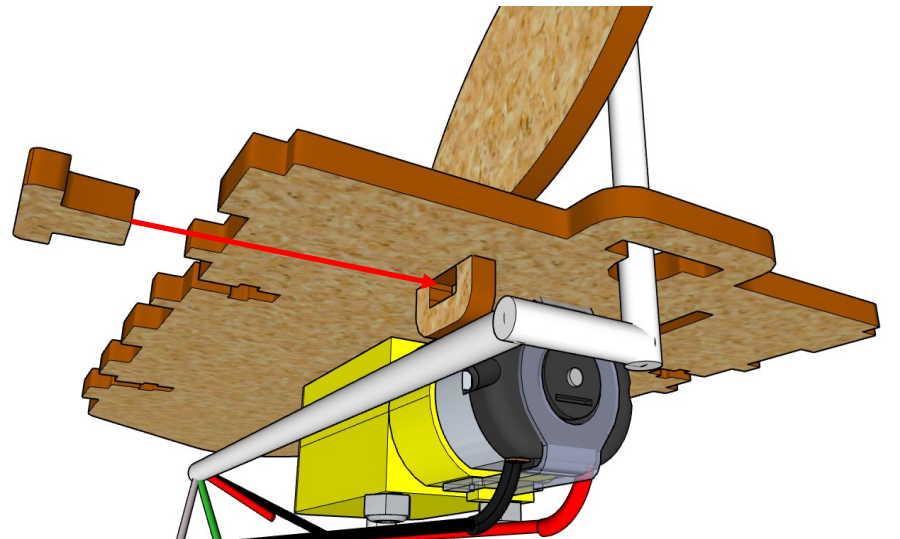
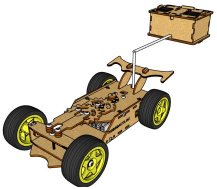
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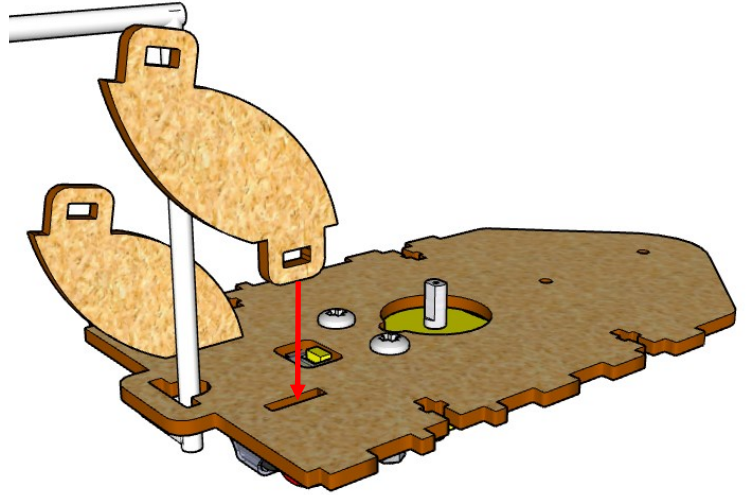
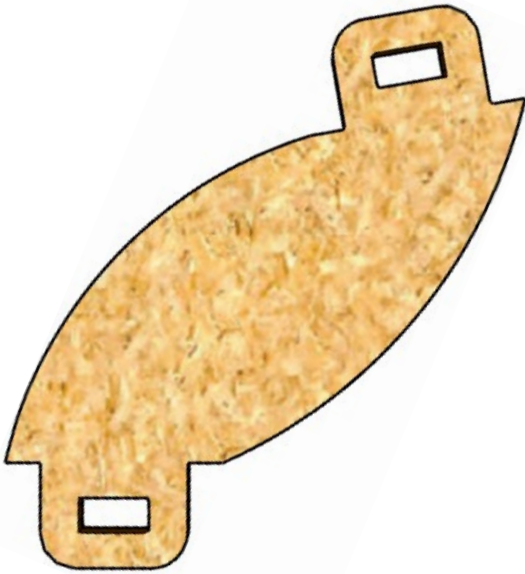
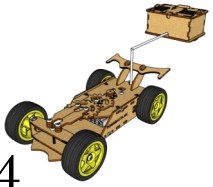
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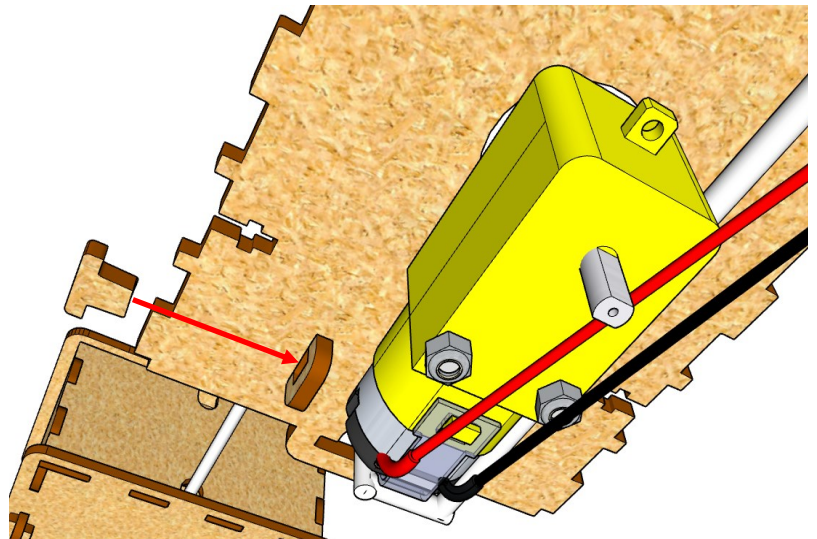
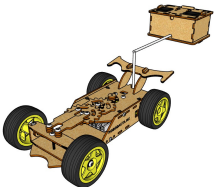
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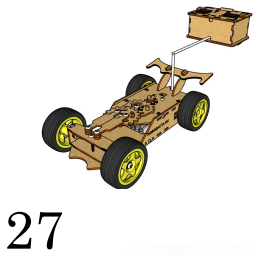
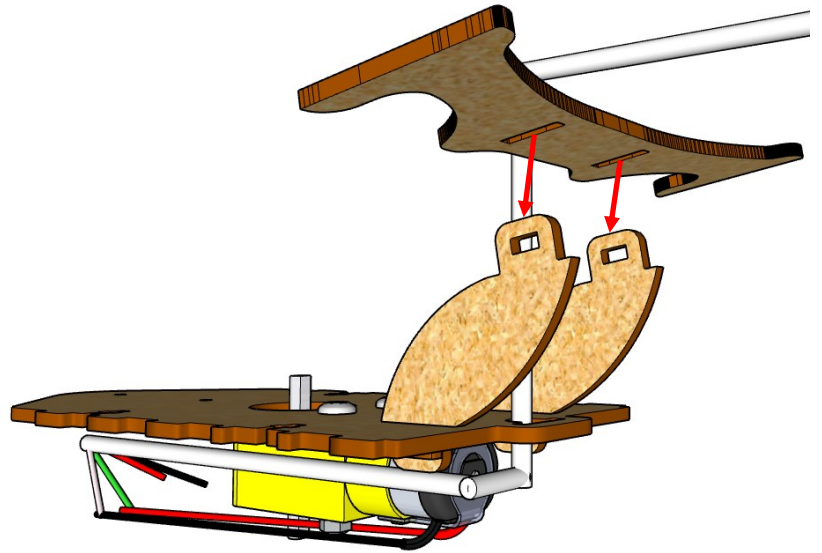
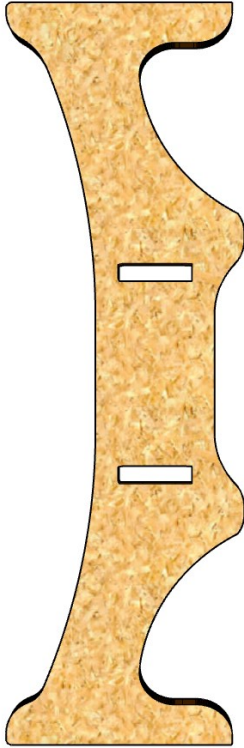
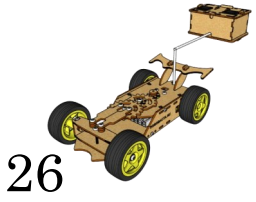


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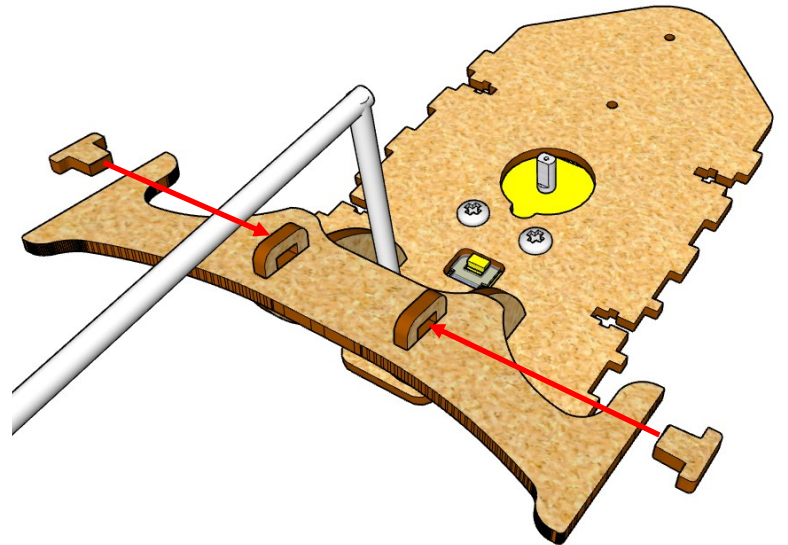


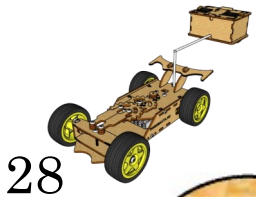
25





x2

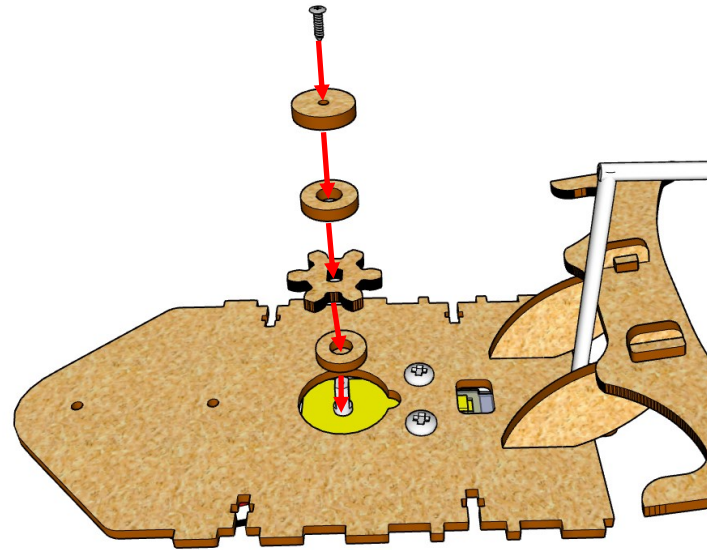
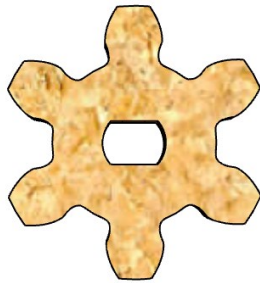




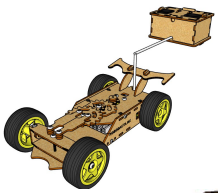
28



Tornillo de 1 cm



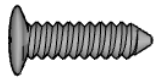
x2



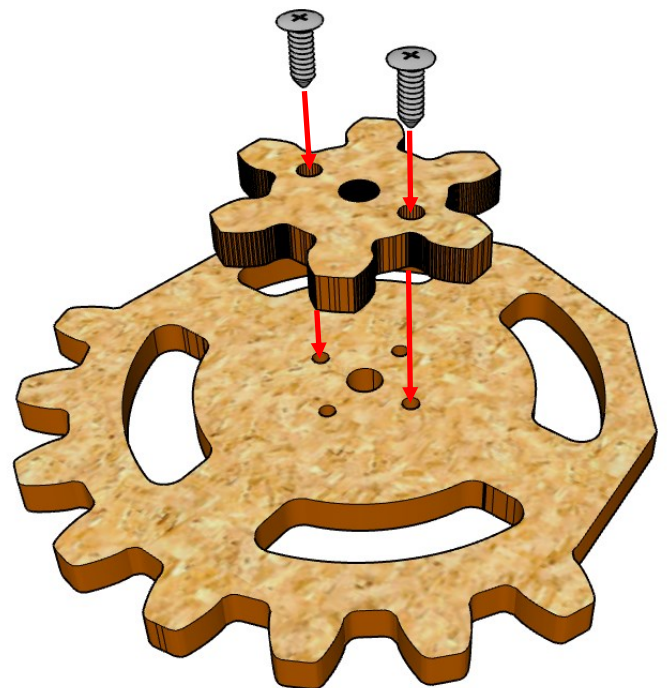
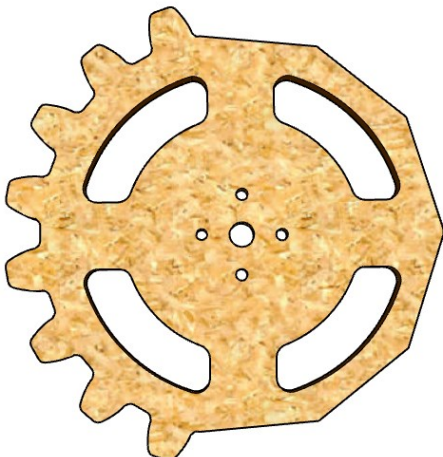
29



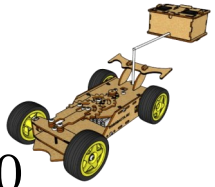
Tornillo de 0.6 cm



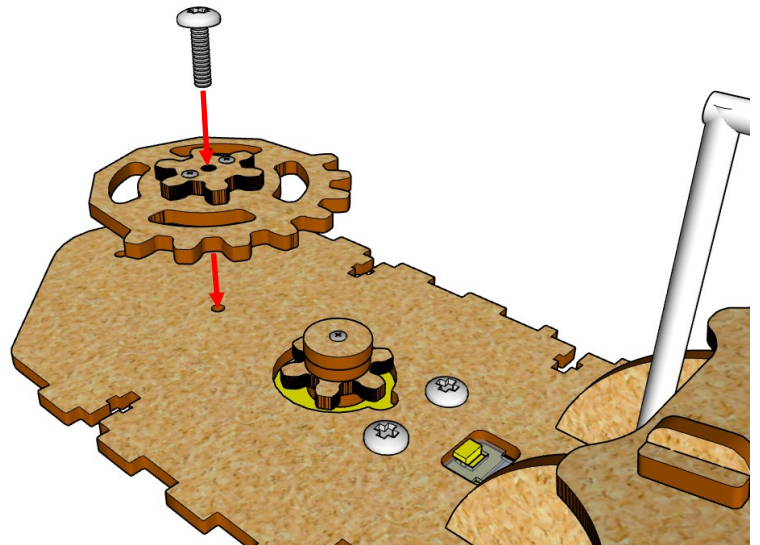
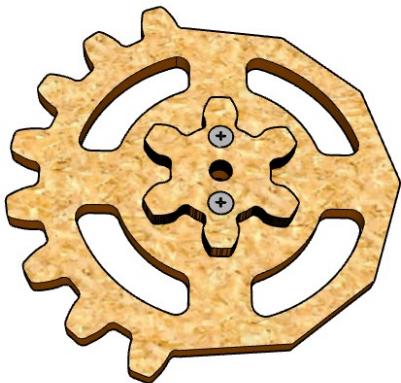
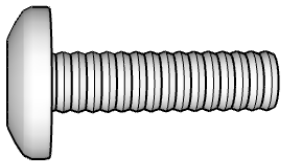
x2



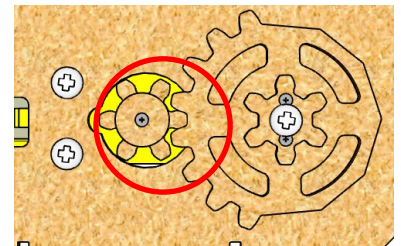
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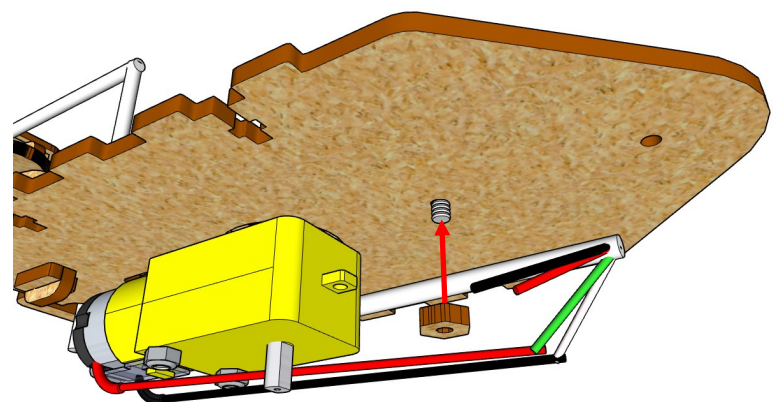
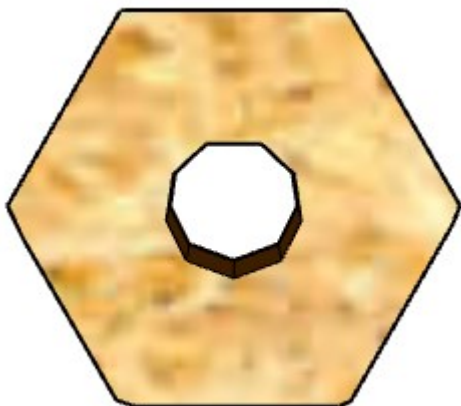
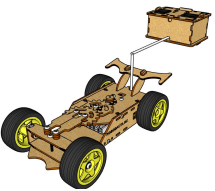
Tornillo de 1.5



Nota: Asegúrese de que los engranes estén en la siguiente posición.

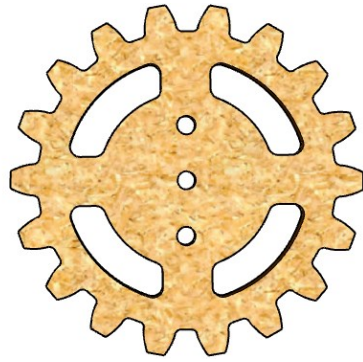
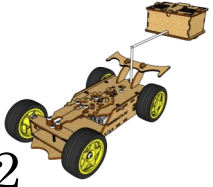


31

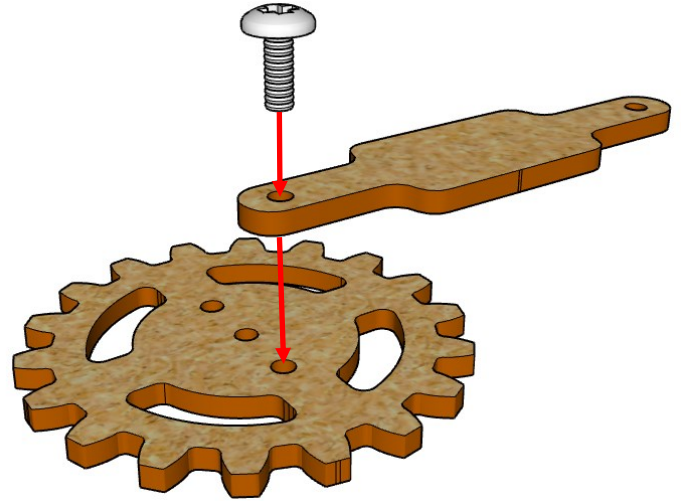
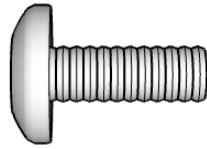


*Nota: al colocar la tuerca de MDF ajusta asta el tope y regresa 1/2 de vuelta.*

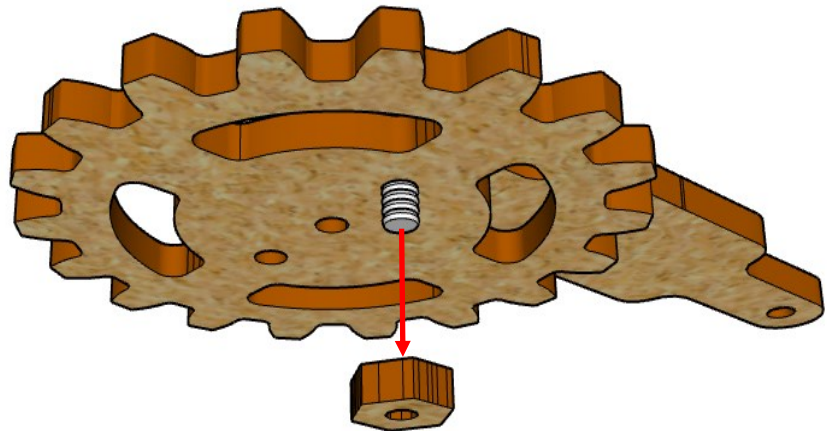
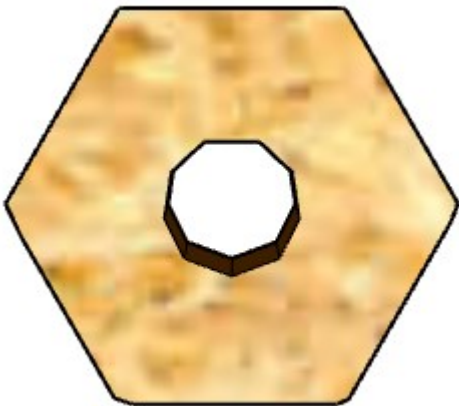
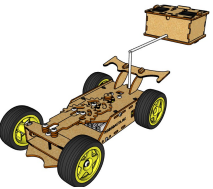
32



Tornillo de 1.1 cm

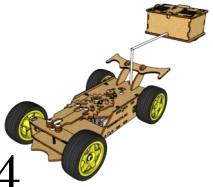


33

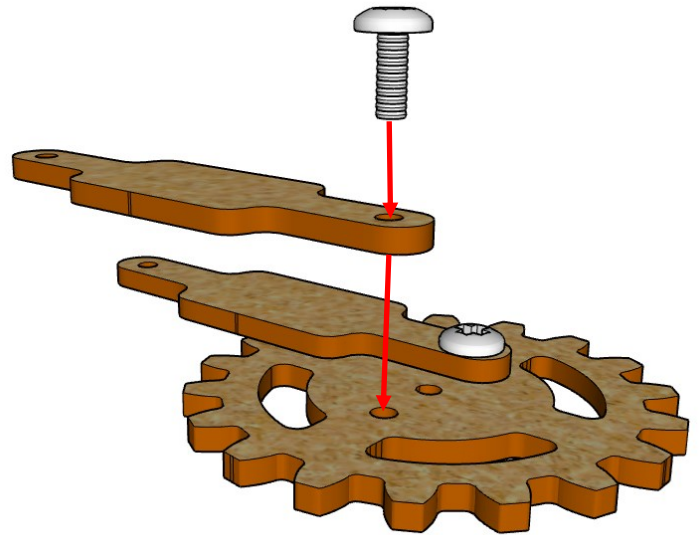
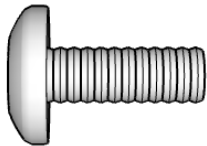


*Nota: al colocar la tuerca de MDF ajusta asta el tope y regresa 1/2 de vuelta.*

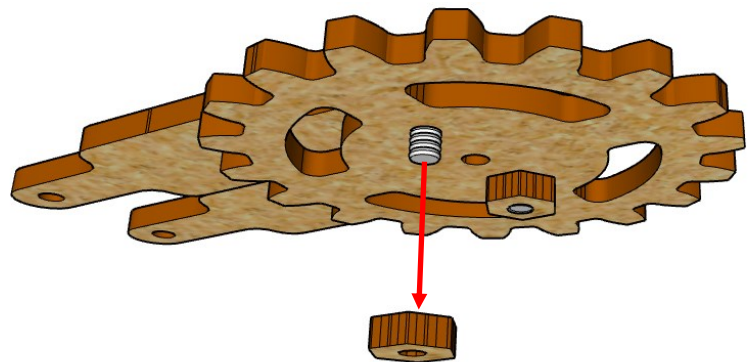
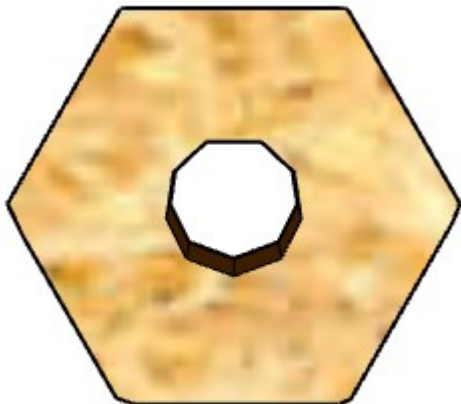
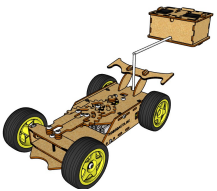
34



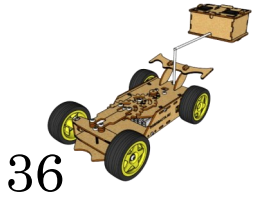
Tornillo de 1.1 cm



35

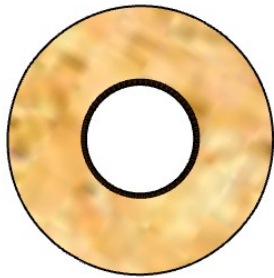
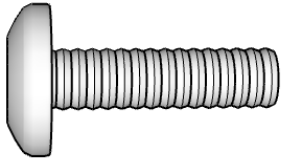


*Nota: al colocar la tuerca de MDF ajusta asta el tope y regresa 1/2 de vuelta.*

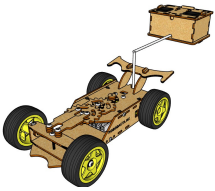
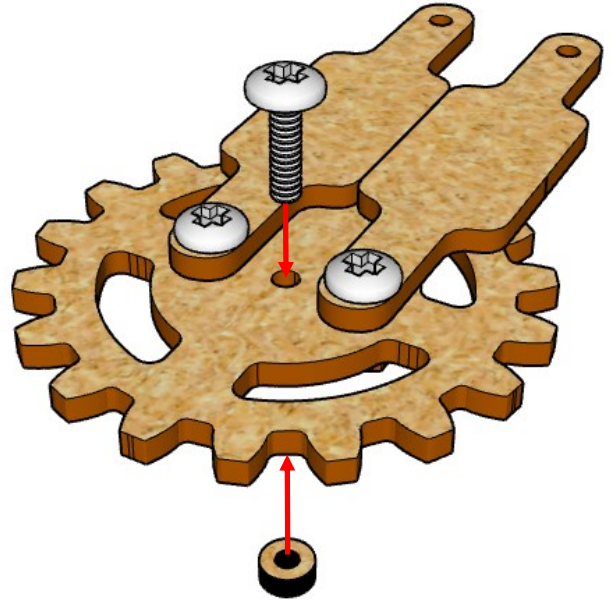


36

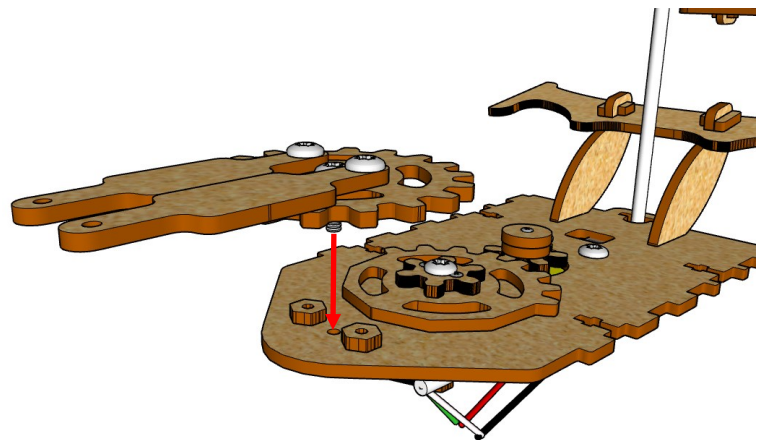
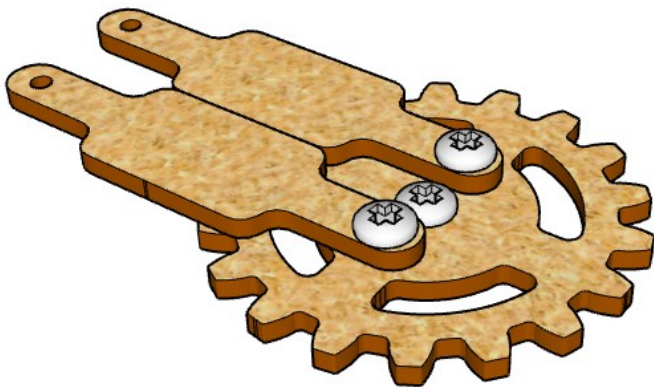
Tornillo de 1.5 cm

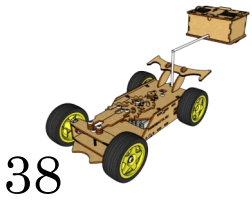


Buje pequeño

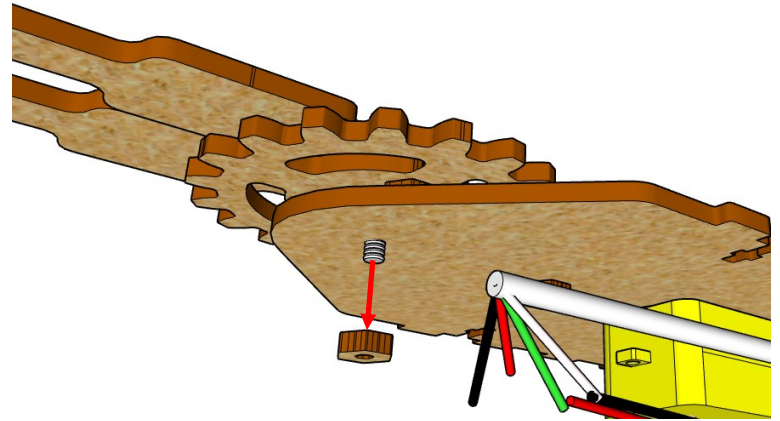
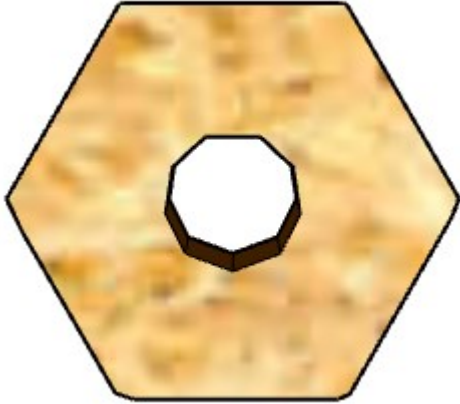


37

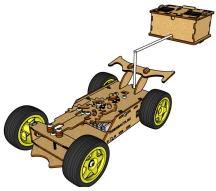




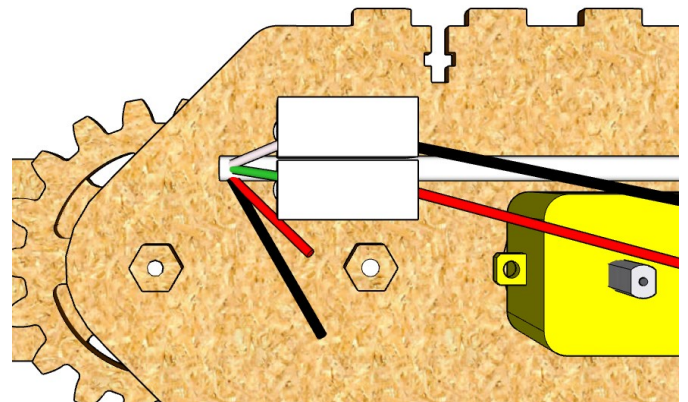
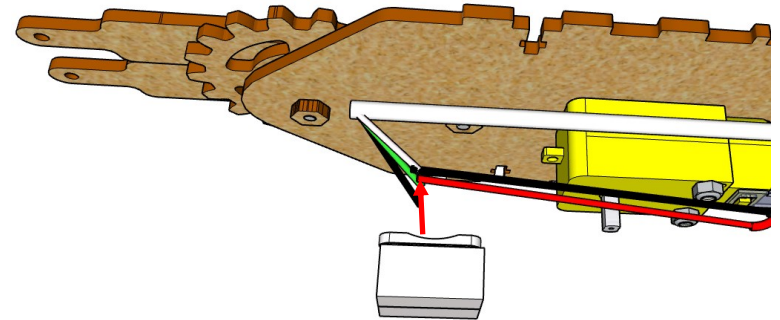
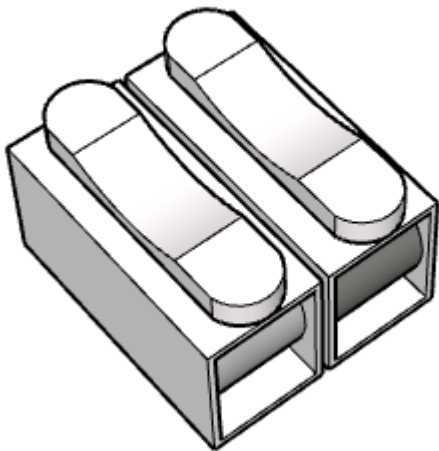
38



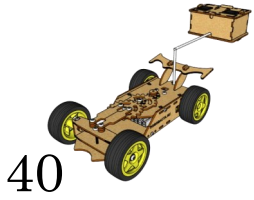
*Nota: al colocar la tuerca de MDF ajusta asta el tope y regresa 1/2 de vuelta.*



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Realiza las siguientes conexiones

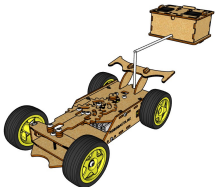
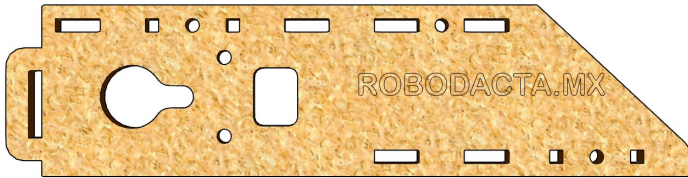
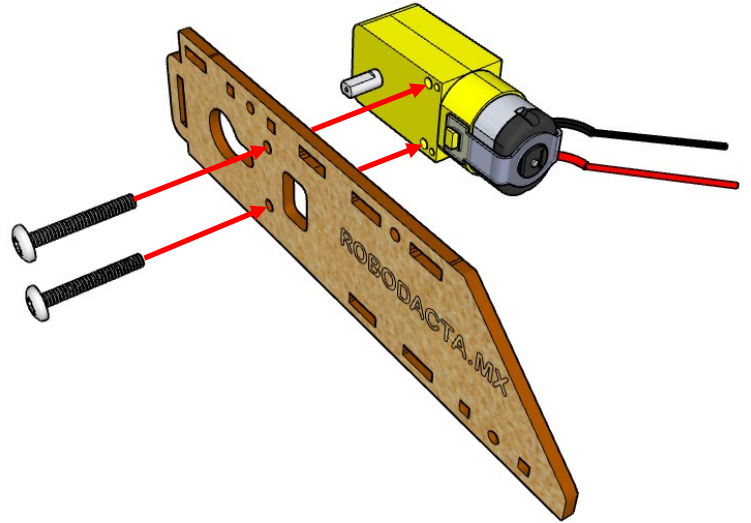
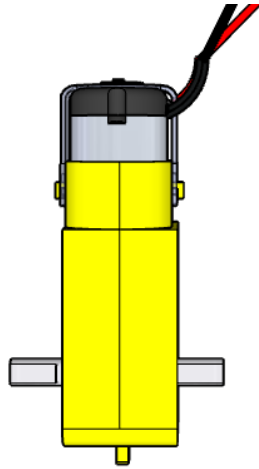


40

Tornillo de 2.7 cm

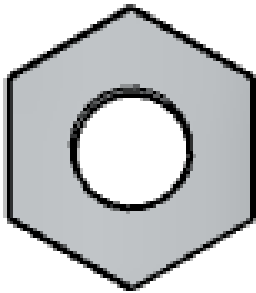


x2

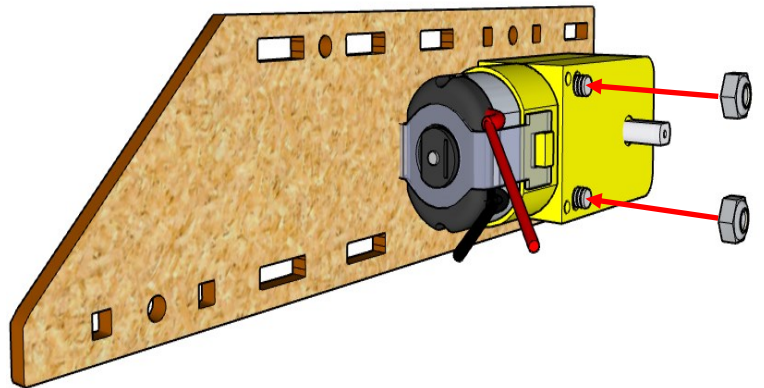


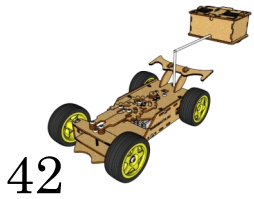
41

Tuerca metálica grande



x2

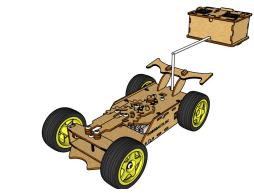
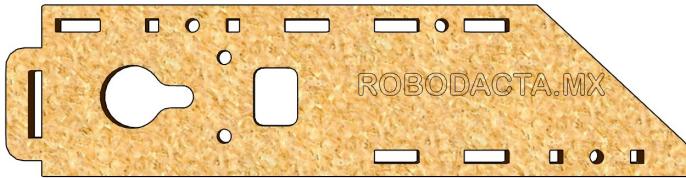
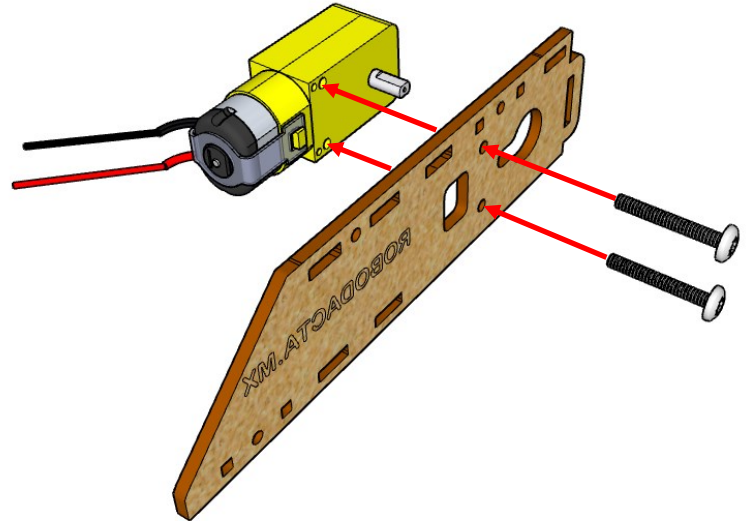
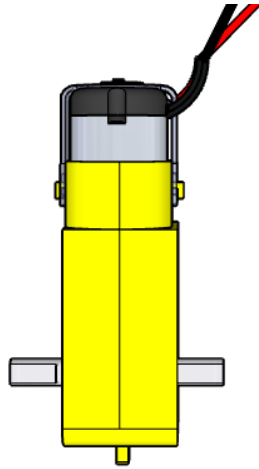




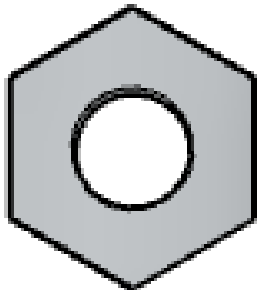
Tornillo de 2.7 cm



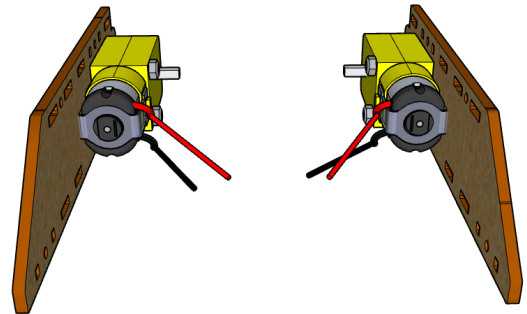
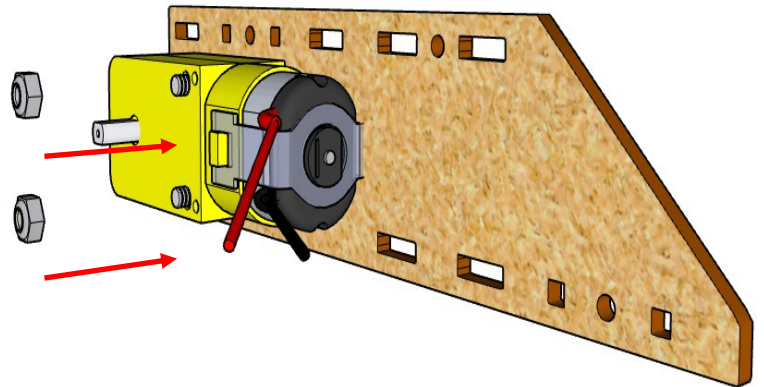
x2



Tuerca metálica grande

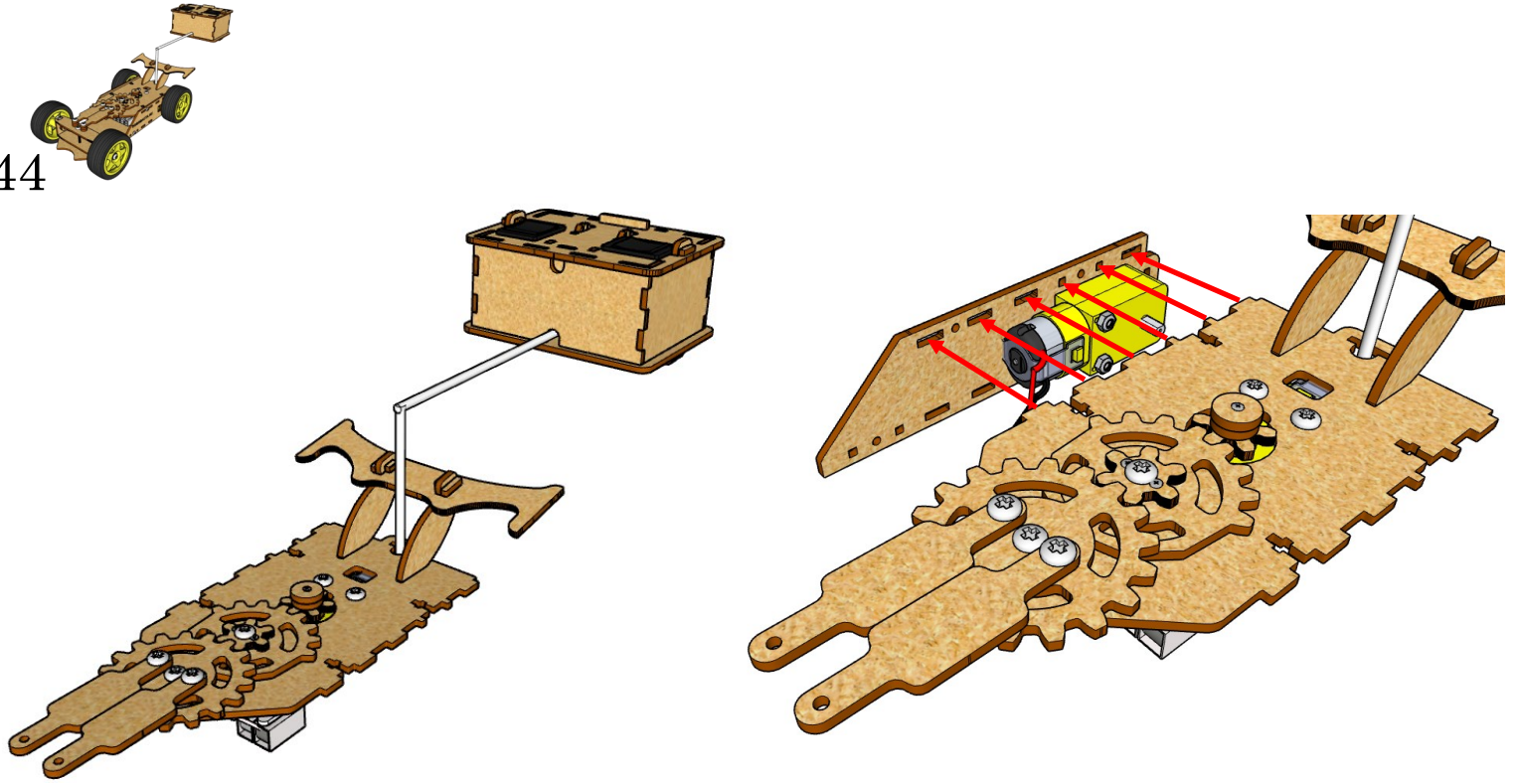


x2

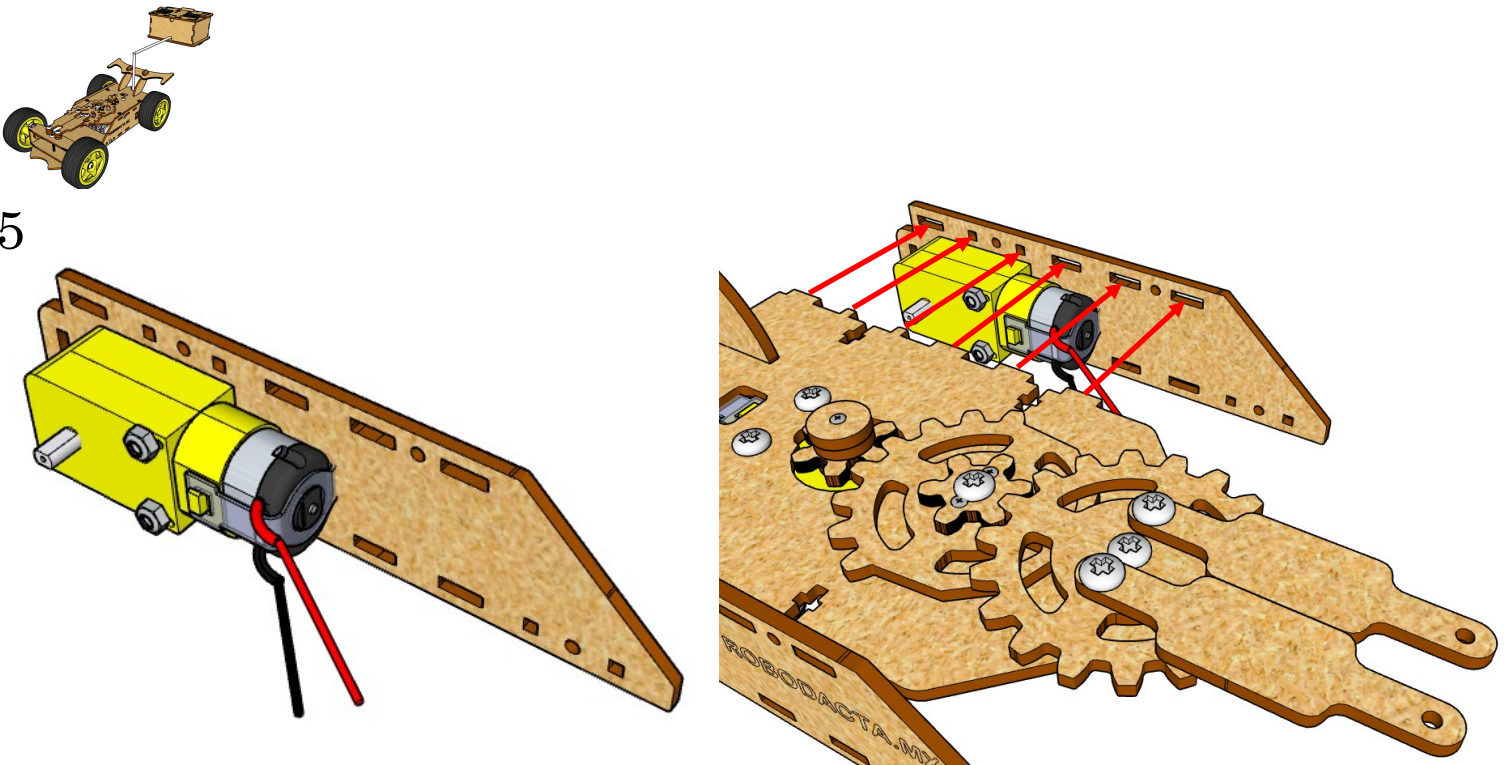


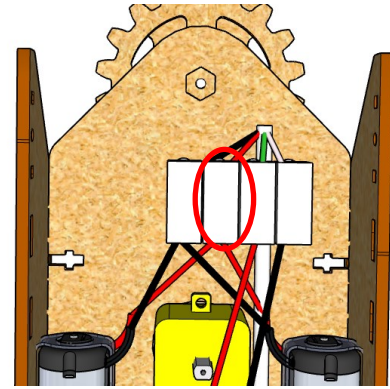
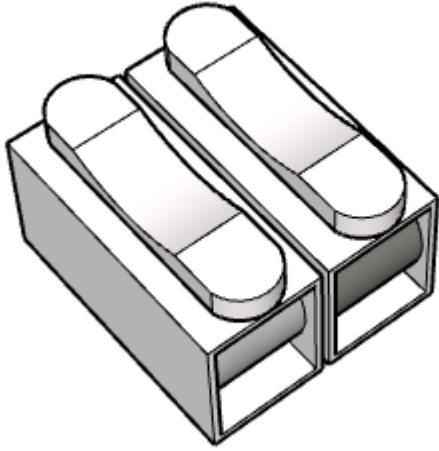
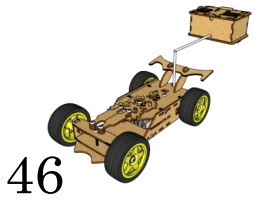
Nota: Asegúrese de que las terminales rojas de los motores estén hacia arriba

44

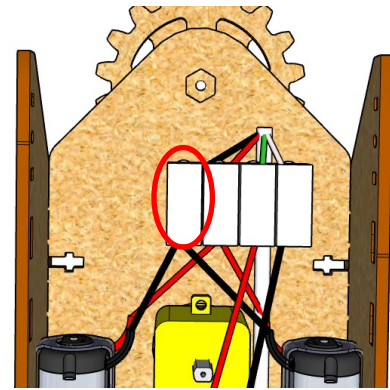


45

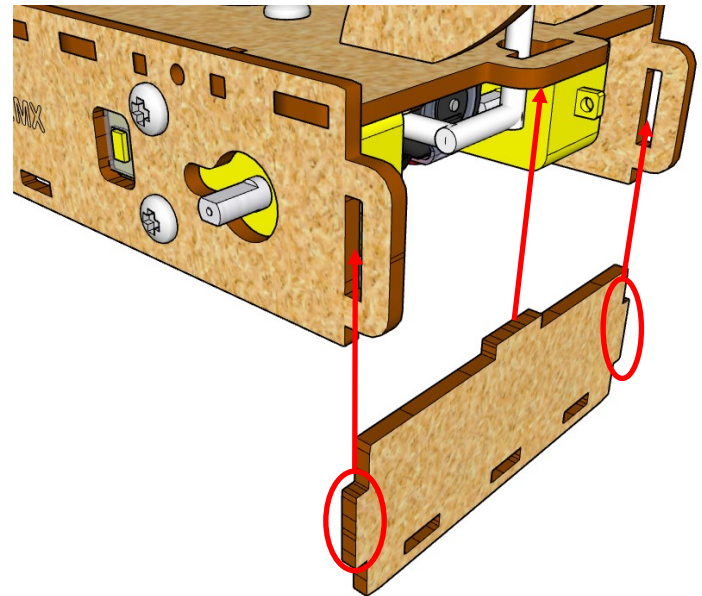
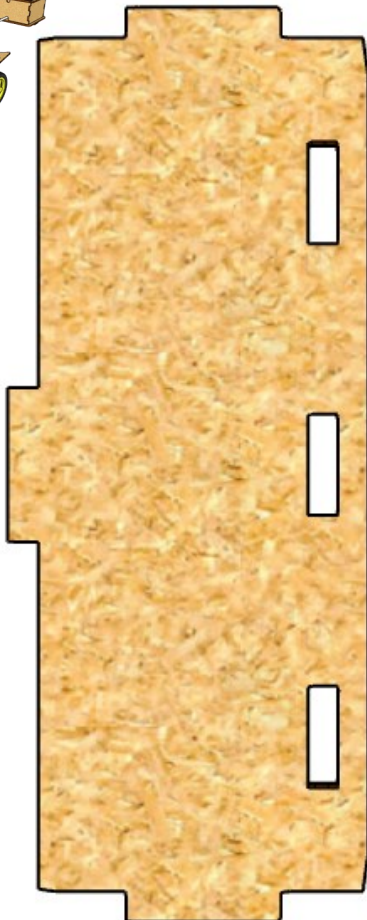
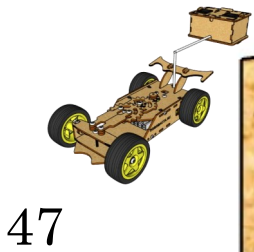


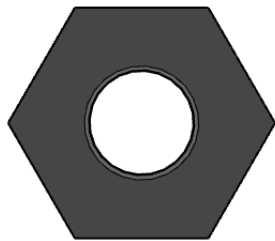
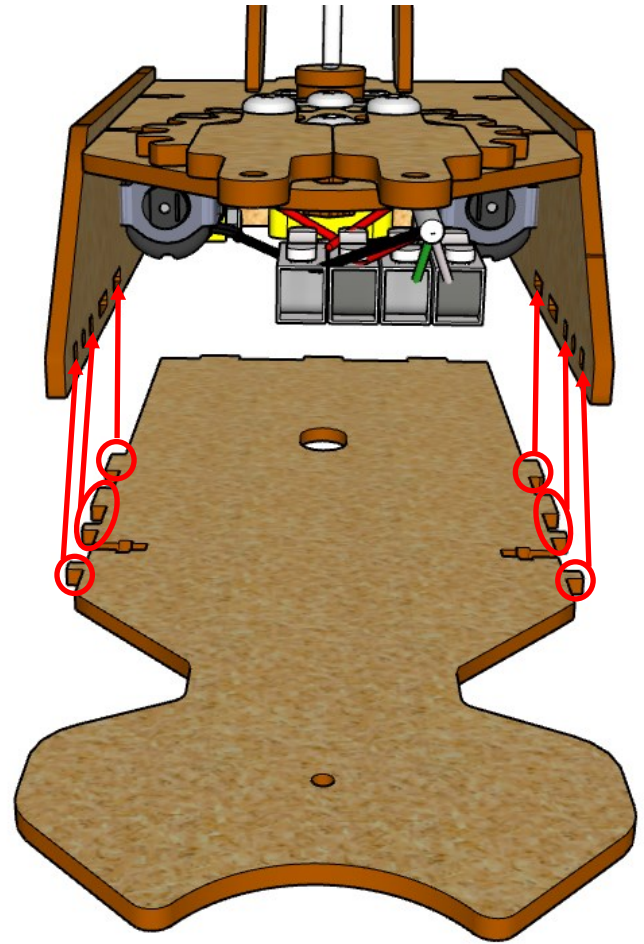
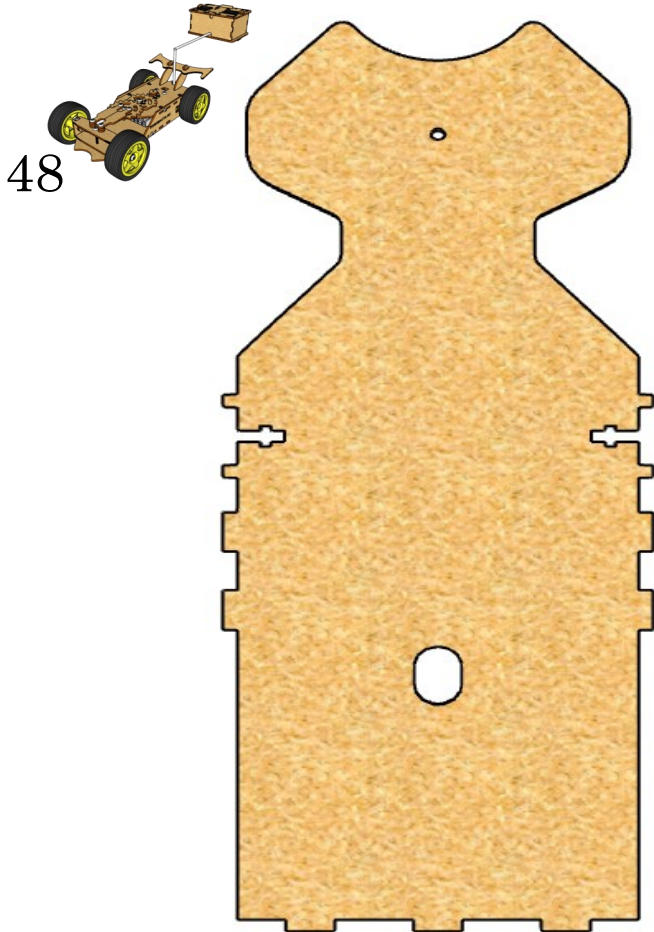


Nota: Conecta aquí las terminales rojas

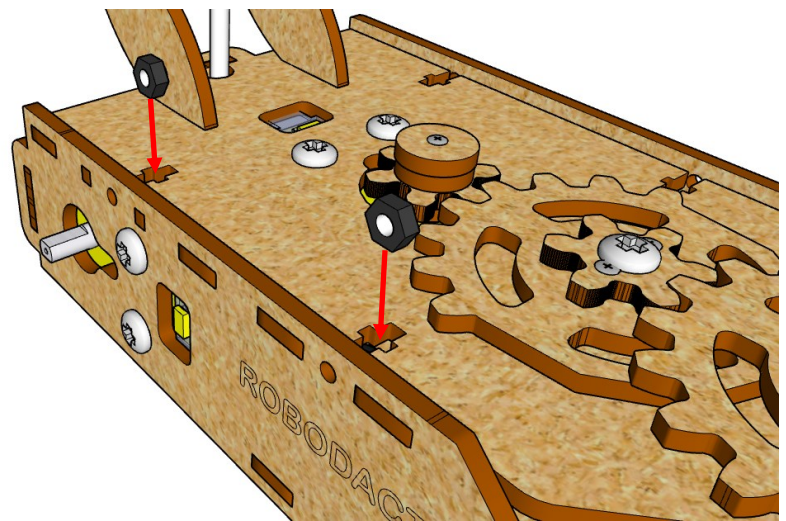


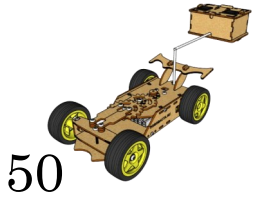
Nota: Conecta aquí las terminales negras





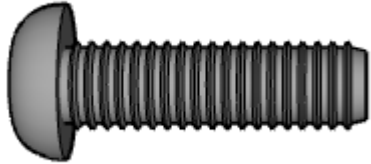
x2



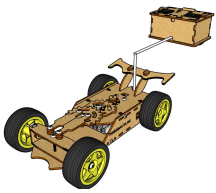
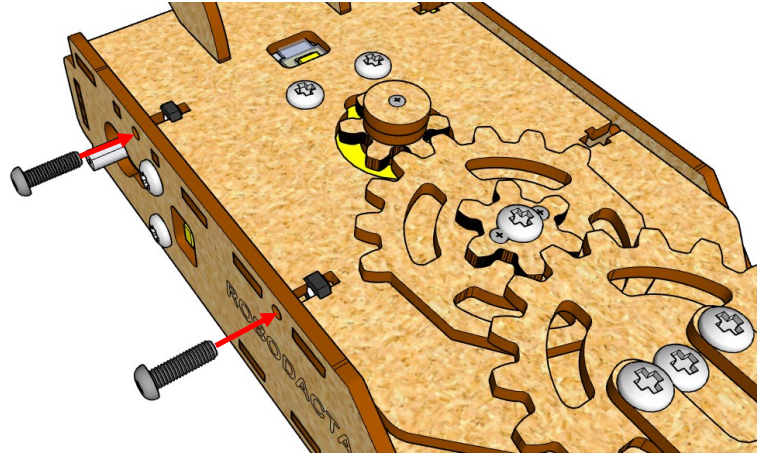


50

Tornillo de 1.4 cm

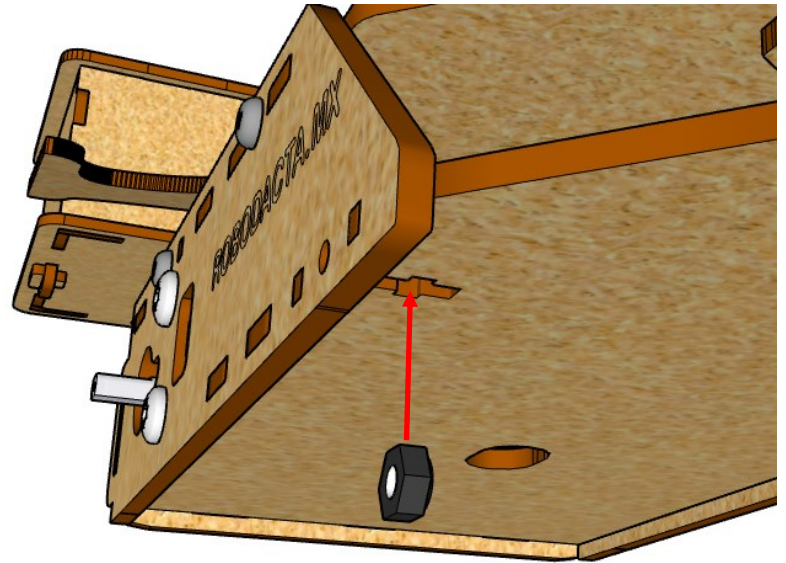
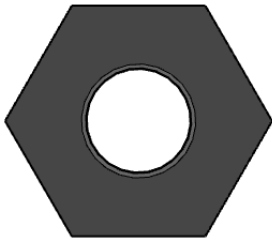


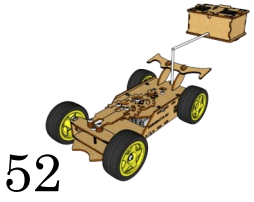
x2



51

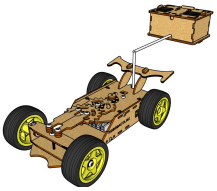
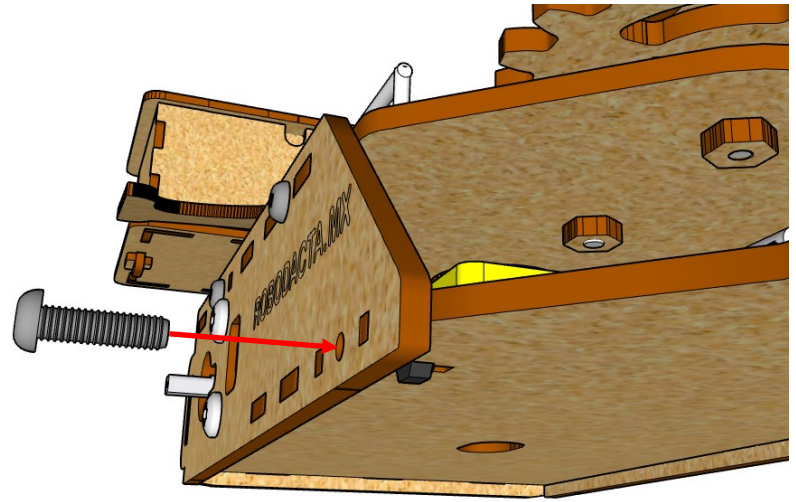
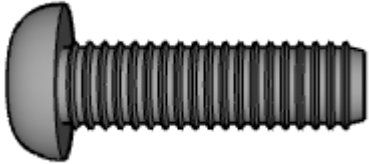
Tuerca metálica pequeña





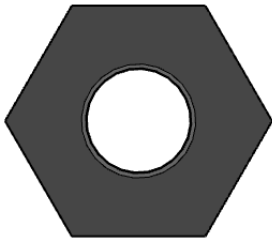
52

Tornillo de 1.4 cm

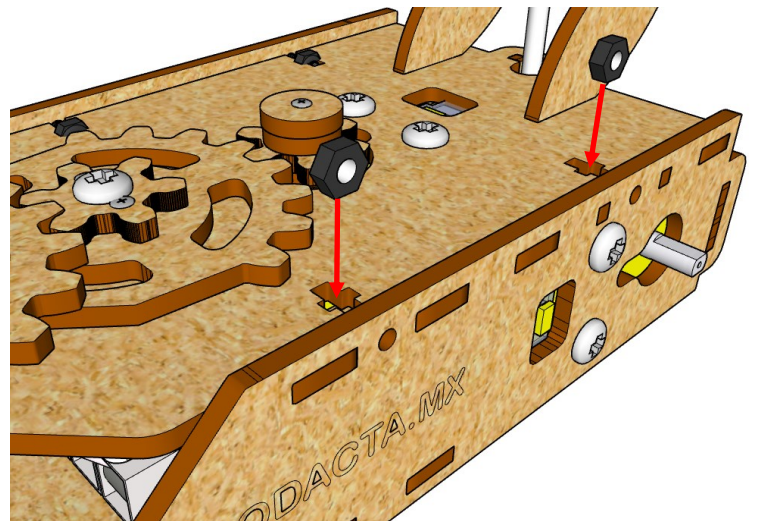


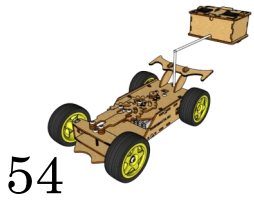
53

Tuerca metálica pequeña



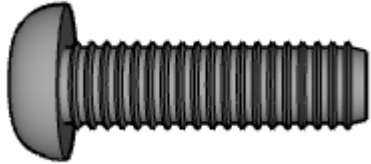
x2



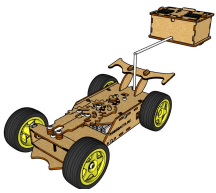
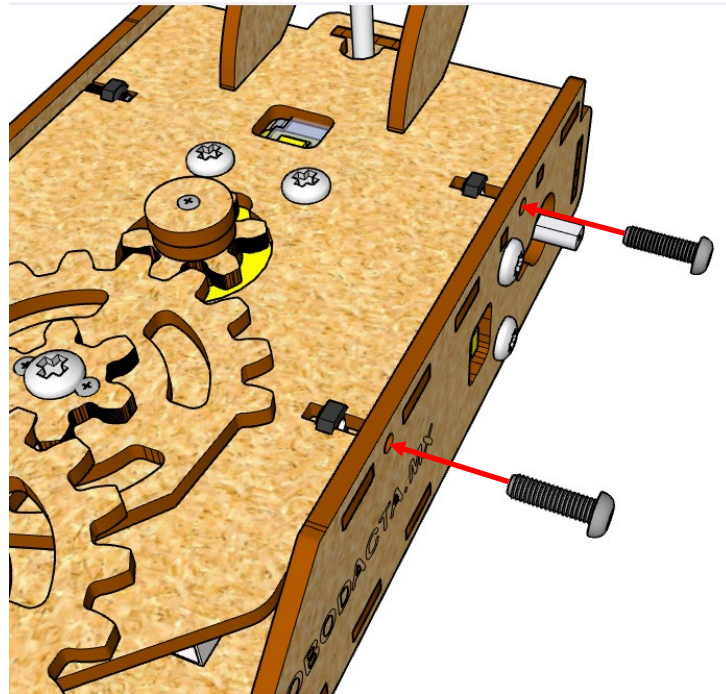


54

Tornillo de 1.4 cm

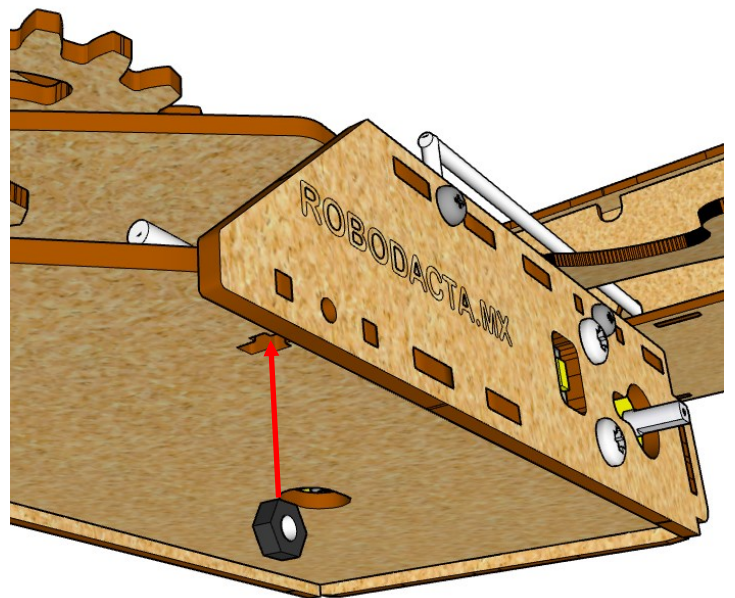
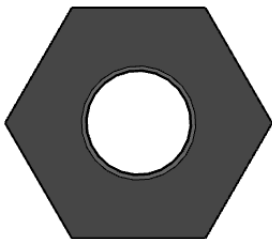


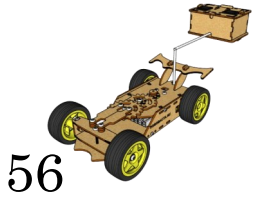
x2



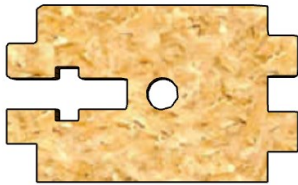
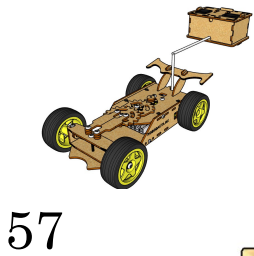
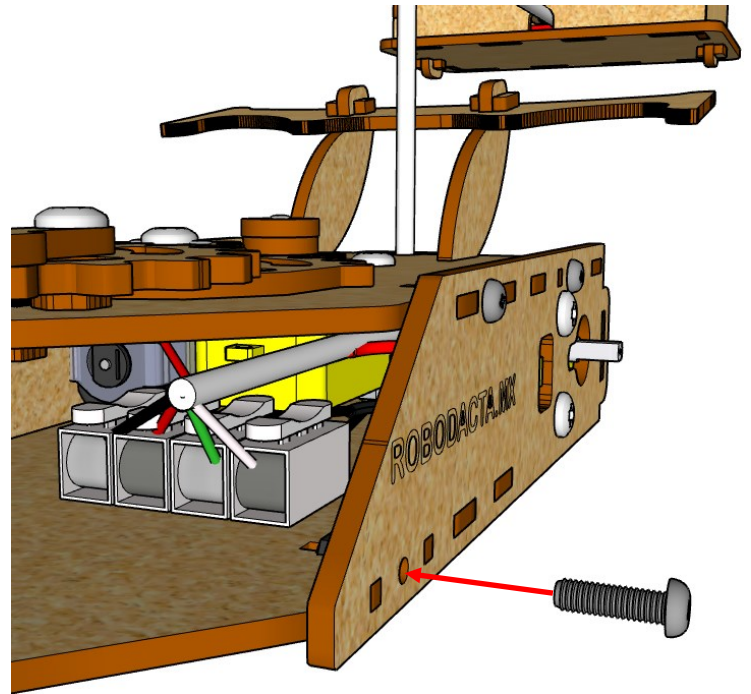
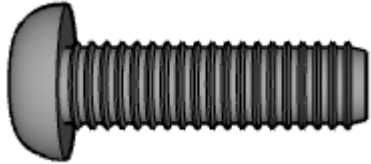
55

Tuerca metálica pequeña

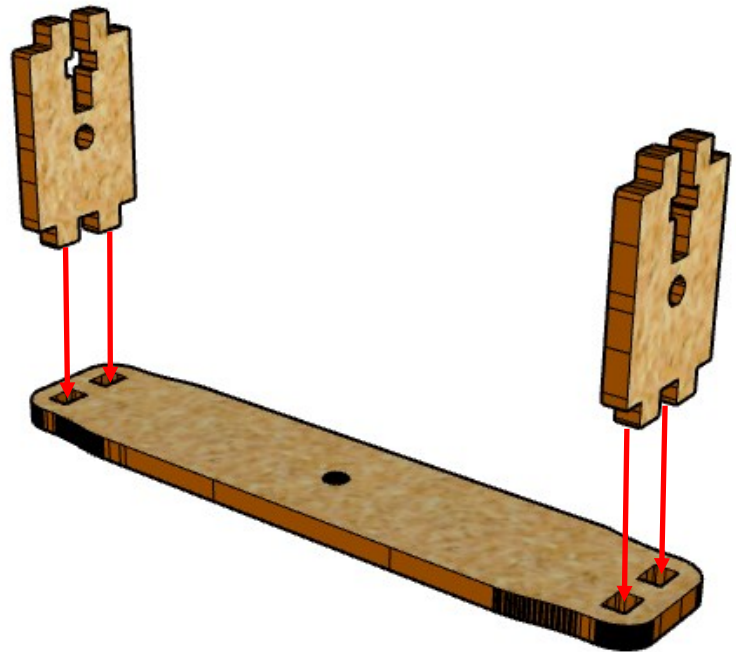


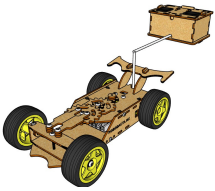
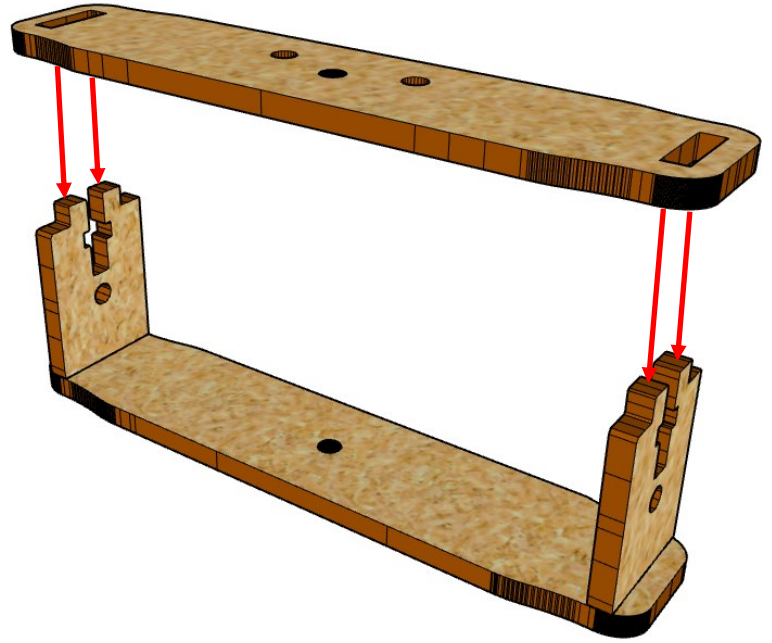
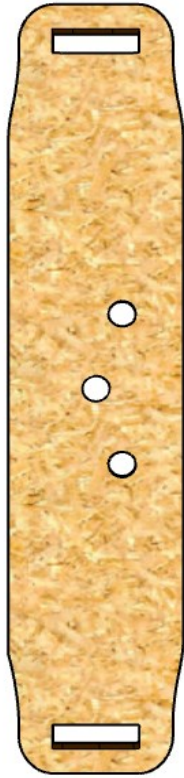
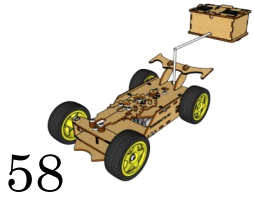


Tornillo de 1.4 cm

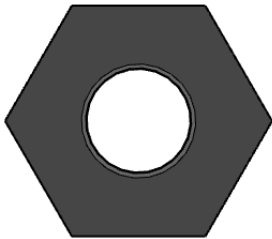


x2





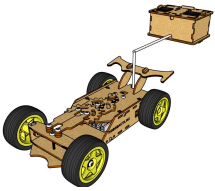
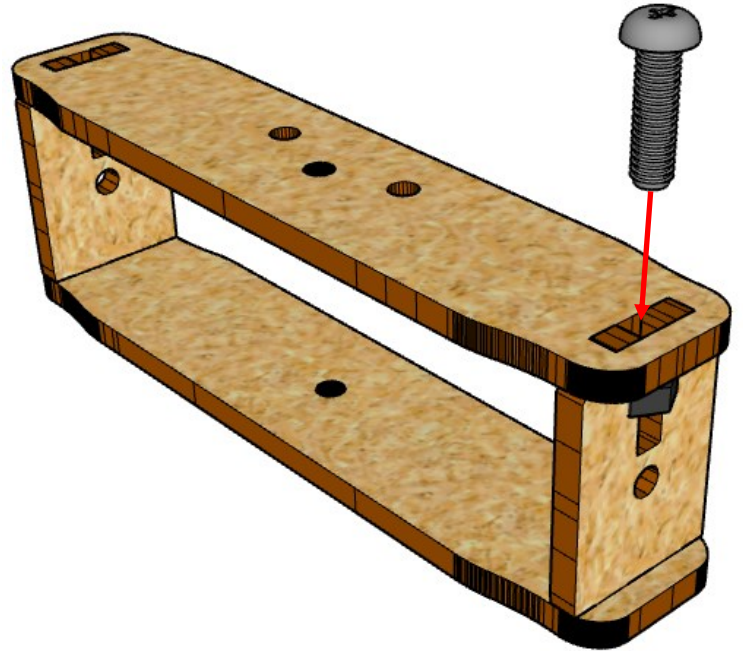
Tuerca metálica pequeña





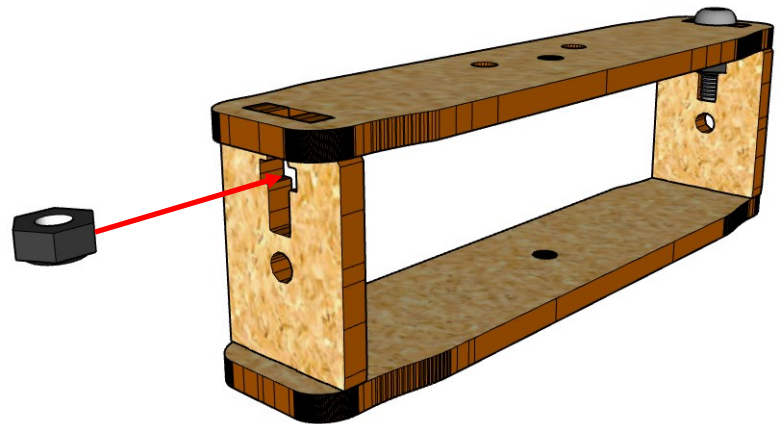
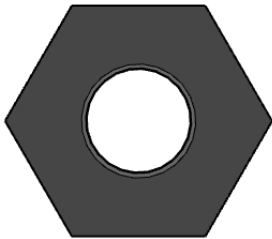
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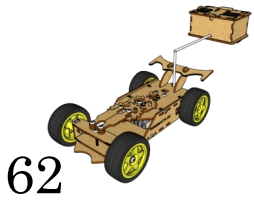
Tornillo de 1.4 cm



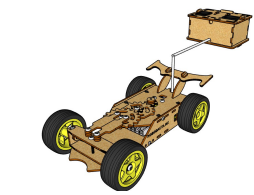
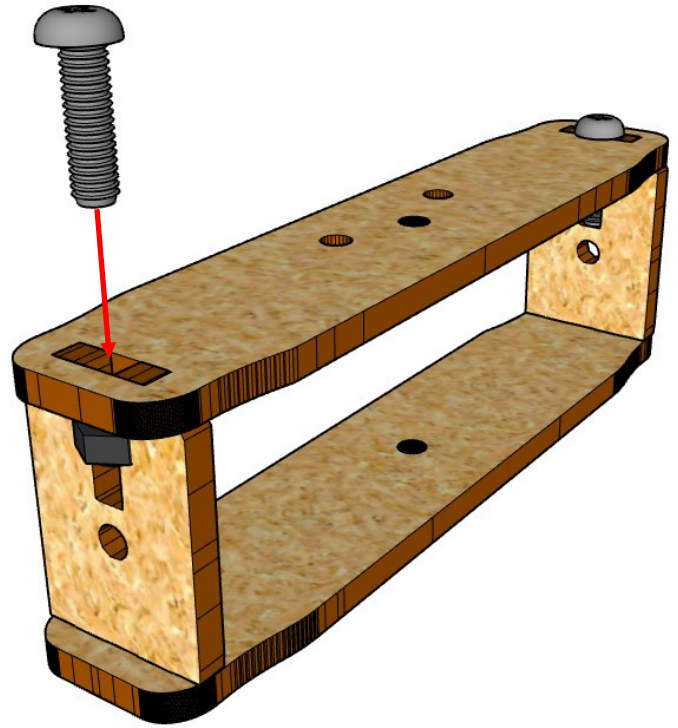
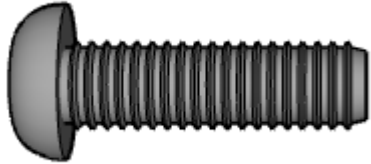
61

Tuerca metálica pequeña





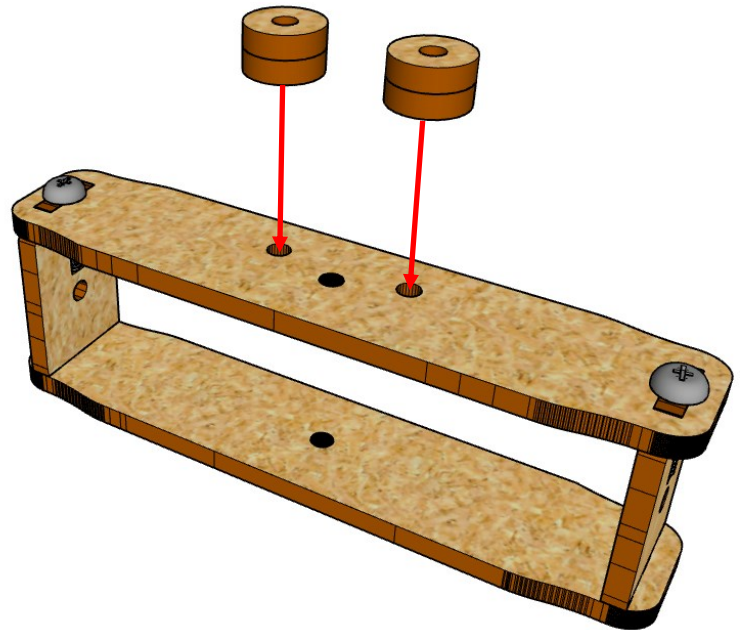
Tornillo de 1.4 cm

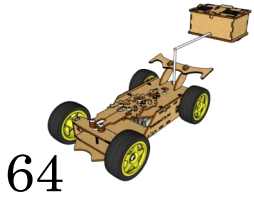


Buje grande

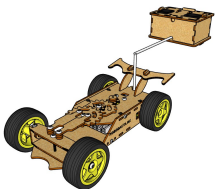
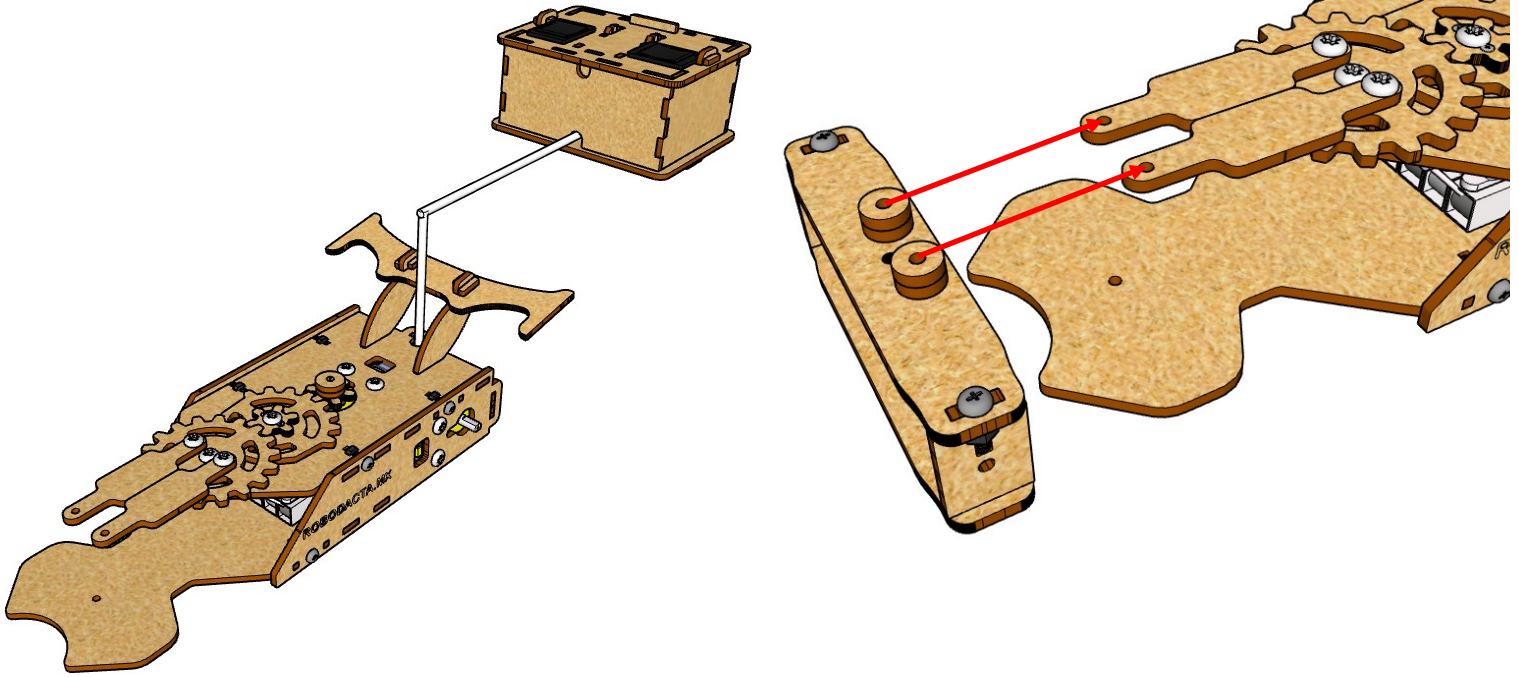


x4



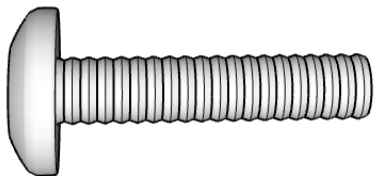


64

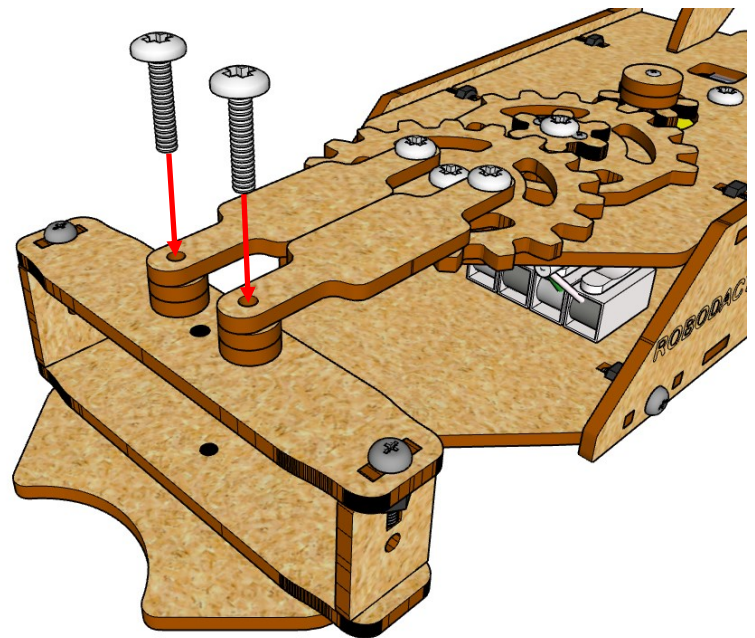


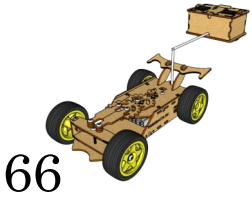
65

Tornillo de 2 cm

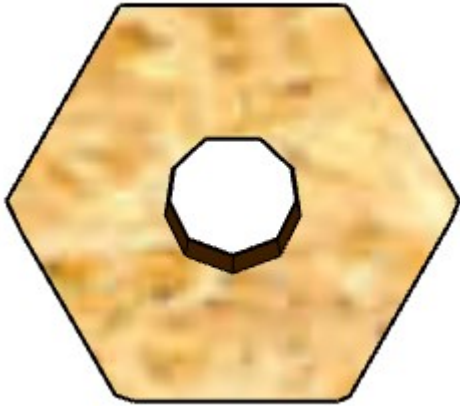


x2

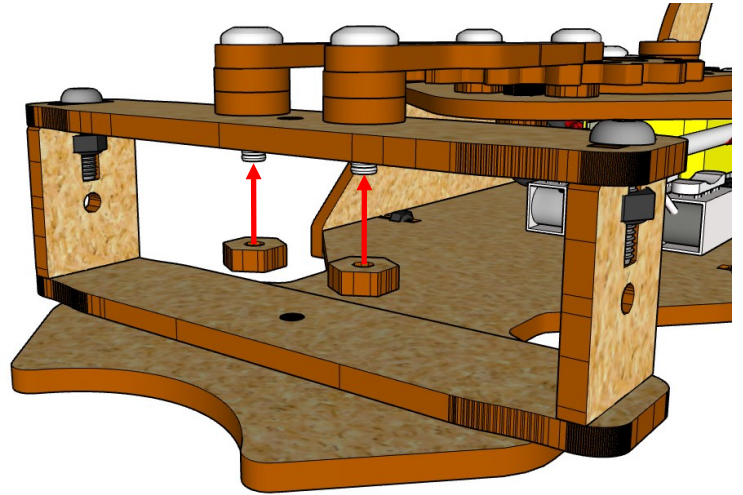




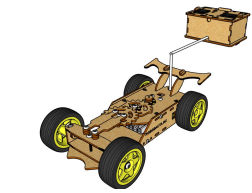
66



x2

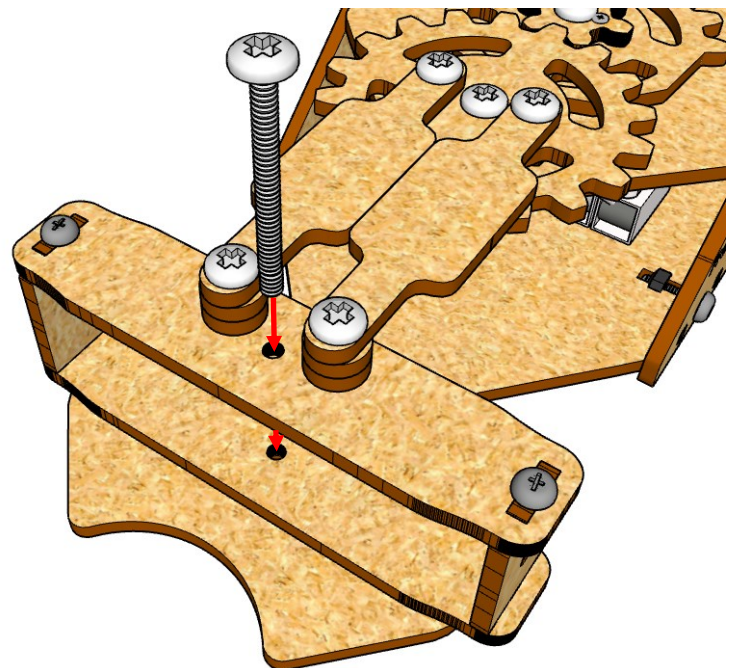
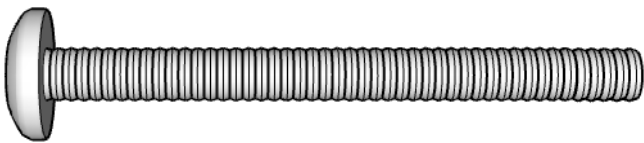


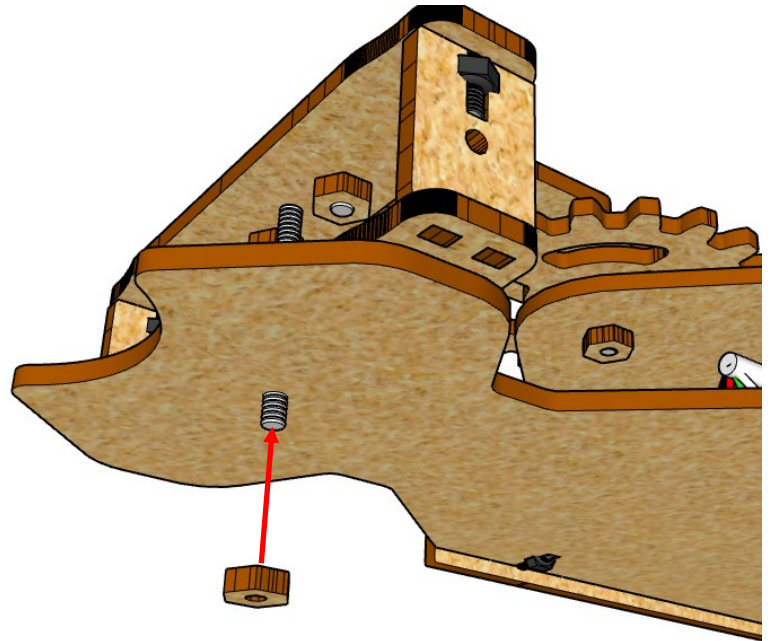
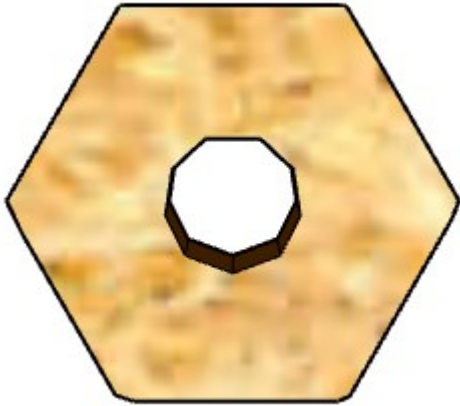
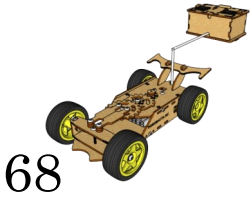
*Nota: al colocar las tuercas de MDF ajusta asta el tope y regresa 1/2 de vuelta.*



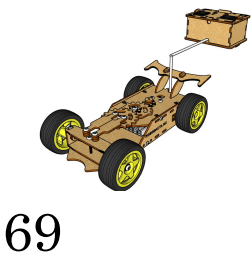
67

Tornillo de 3.9 cm

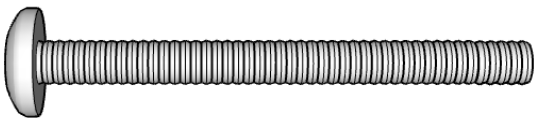




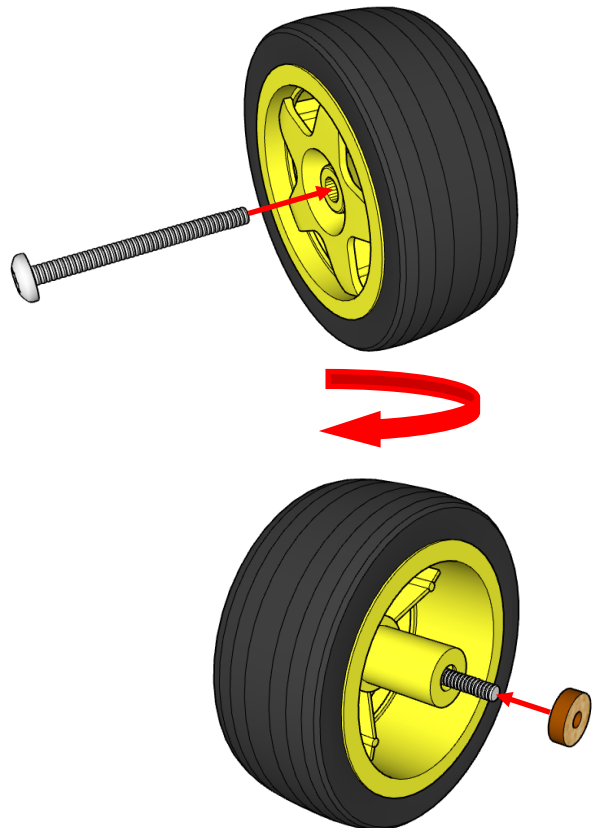
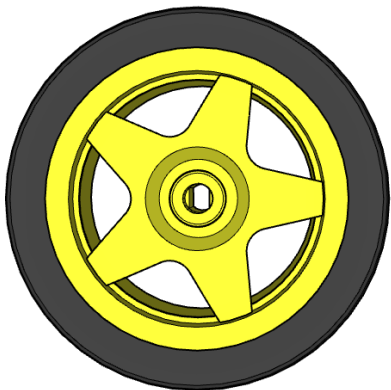
*Nota: al colocar la tuerca de MDF ajusta asta el tope y regresa 1/2 de vuelta.*



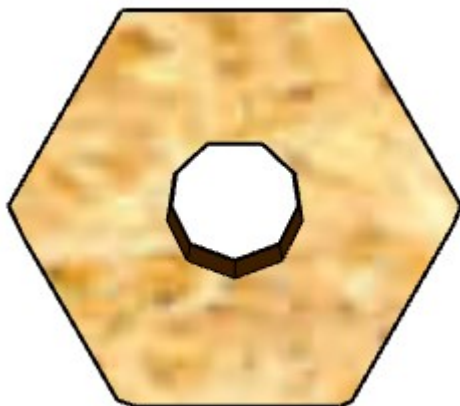
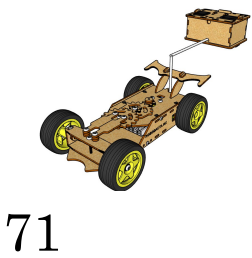
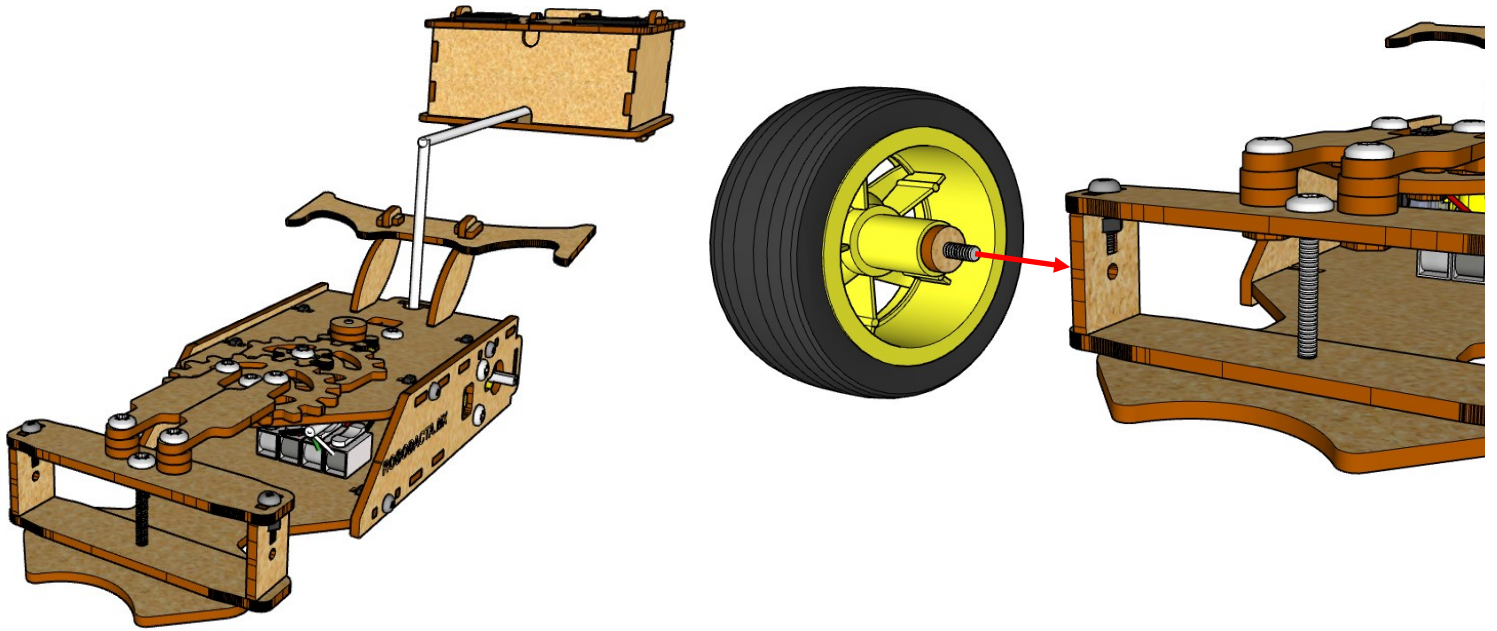
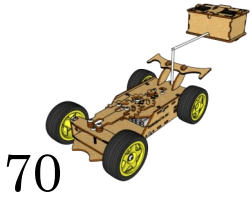
Tornillo de 3.9



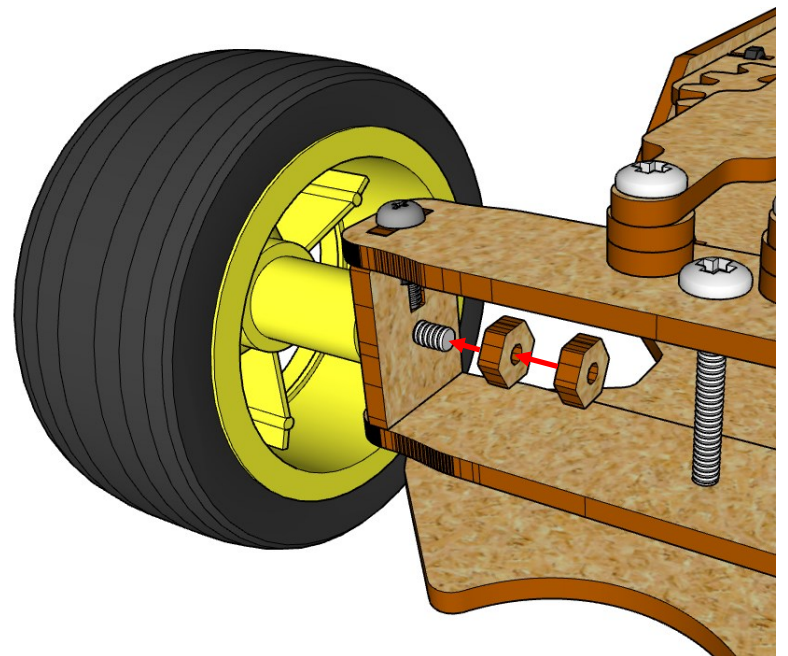
Buje grande



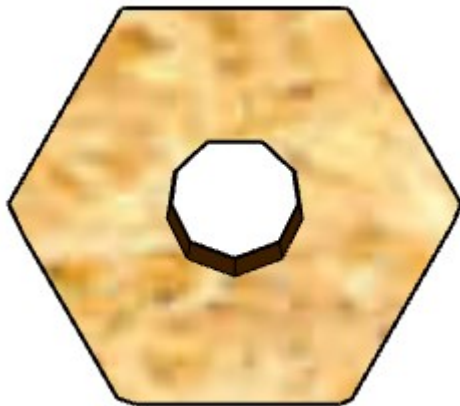
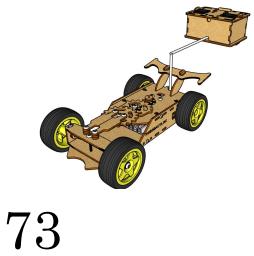
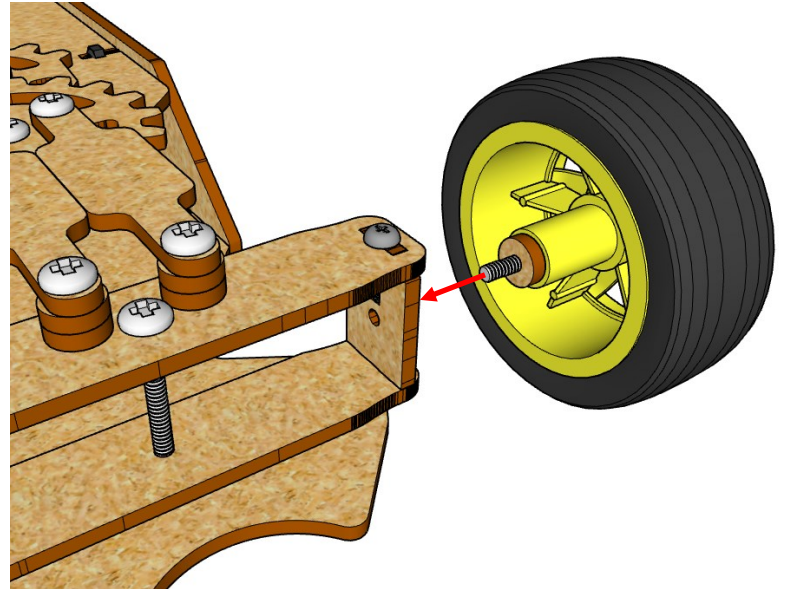
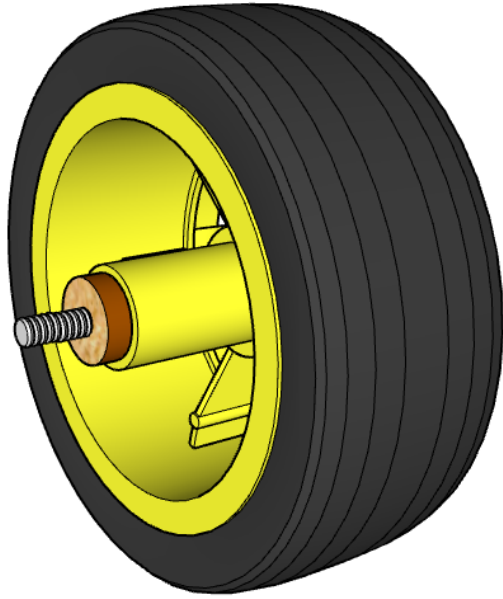
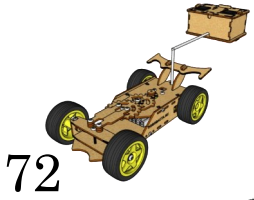
Nota: Realiza este paso en la otra rueda con orificio en el centro



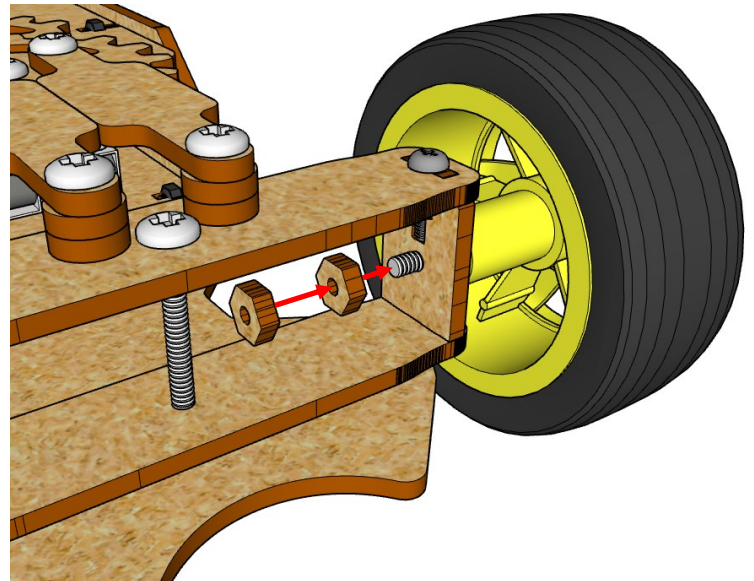
x2



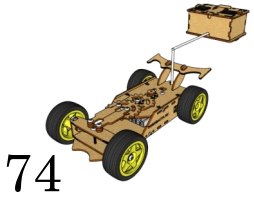
*Nota: al colocar las tuercas de MDF ajusta asta el tope y regresa 1/2 de vuelta.*



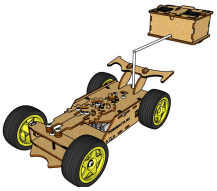
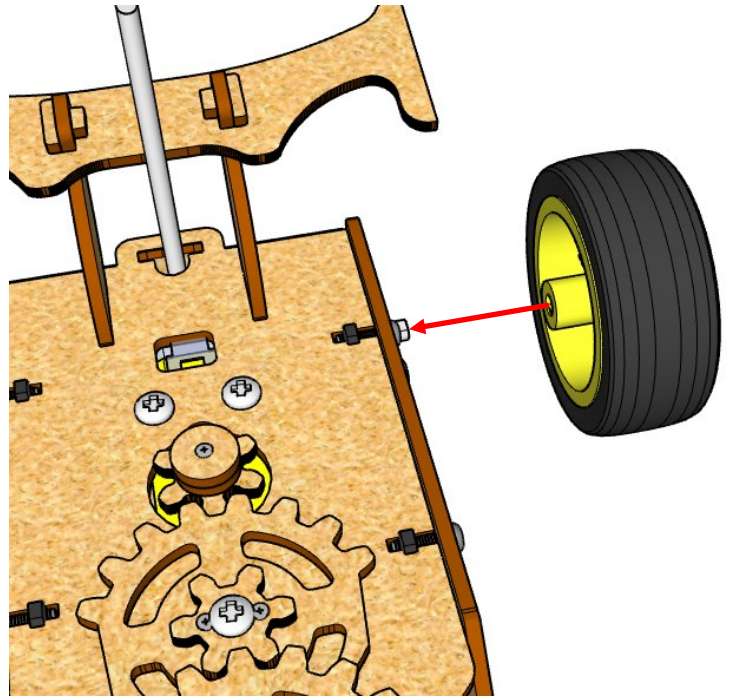
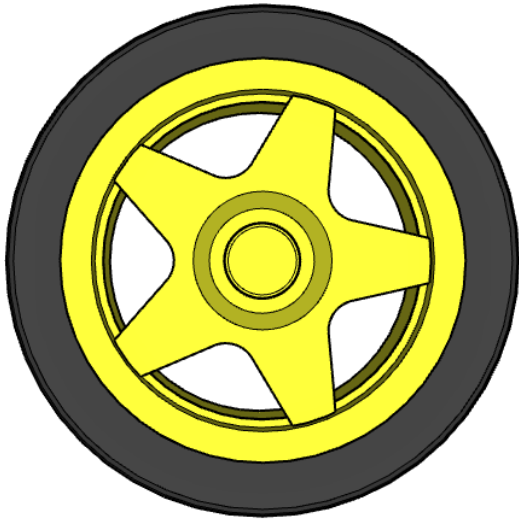
x2



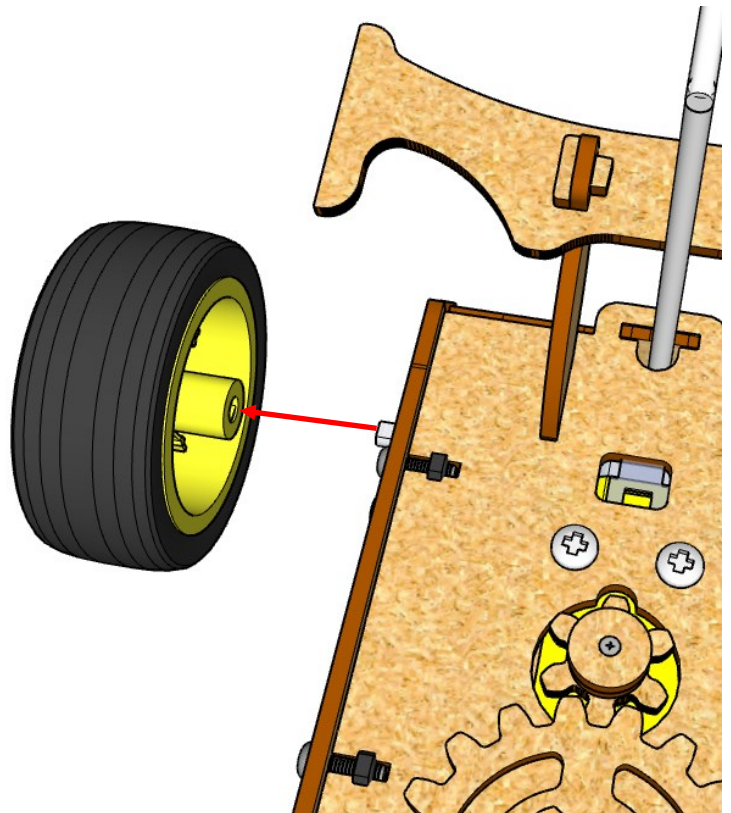
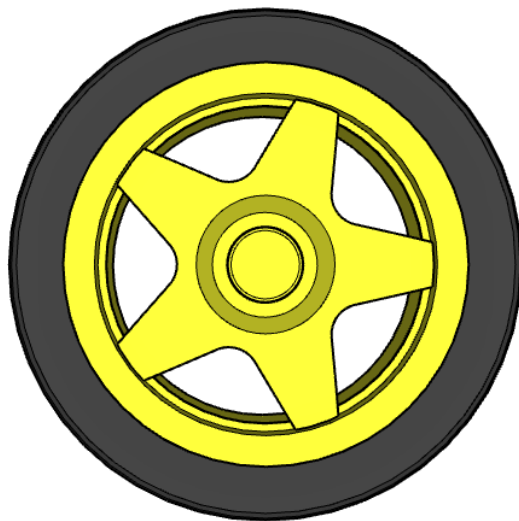
*Nota: al colocar las tuercas de MDF ajusta asta el tope y regresa 1/2 de vuelta.*



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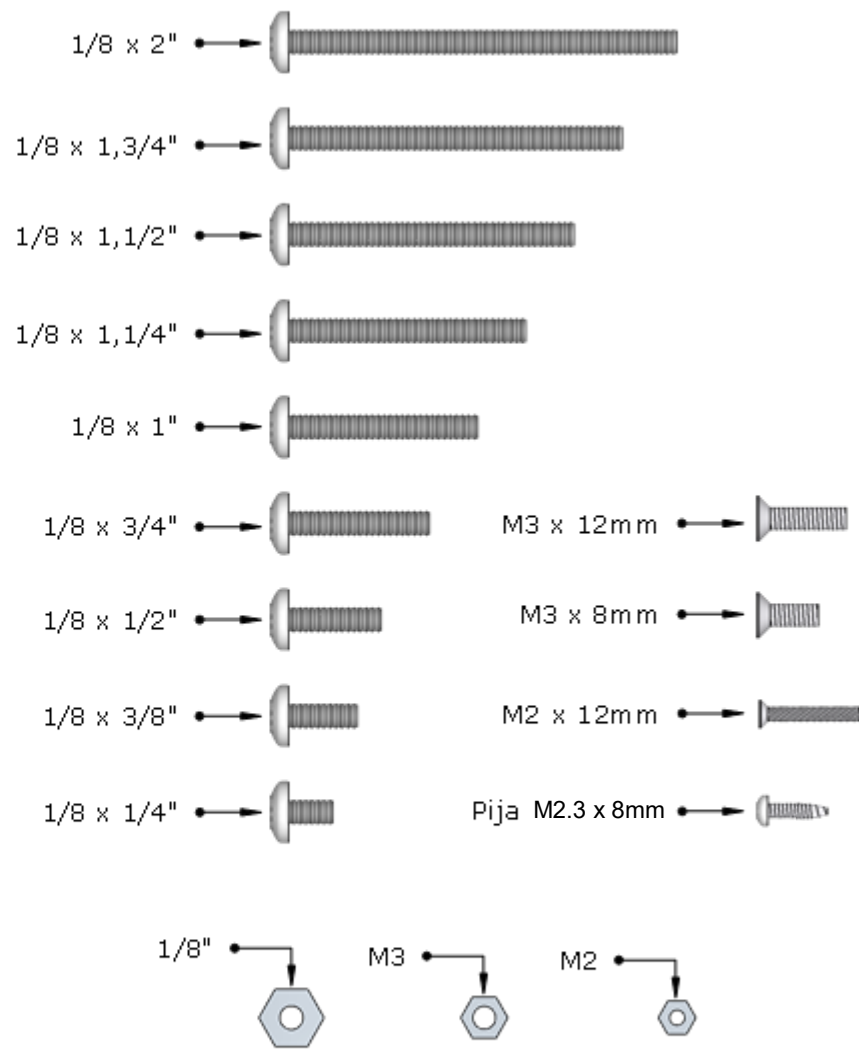


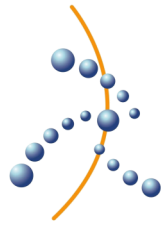
75



# Tornillería

Utiliza el siguiente esquema para comparar y conocer las medidas de los tornillos y tuercas que necesitas durante el ensamble. Solo basta con colocar encima el tornillo o tuerca hasta que coincida con alguna de las figuras. (Para corroborar correctamente las medidas de los tornillos imprime esta hoja)





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