

Mech Building 101 for KIDS

Bricks by the Bay 2020

Instructor: Leonard E. Marquez

Thank you for registering for Mech Building 101 for KIDS.


I had hoped to have bricks for the kids to build their own mech frame during this workshop. However, with the change to a virtual online presentation, everyone will have to follow along from home. Still, we wanted to circulate the parts list in advance in case you would like to gather the LEGO bricks yourself to follow along. If you do not have the bricks available, do not worry. It is not required to participate. And even if you only have some of the parts, that is fine too! You can use the ones you have to help follow along and learn about the different building techniques.

I look forward to seeing everyone at the virtual Bricks by the Bay 2020.

If you have any questions beforehand, feel free to email me at *marquezle0051@gmail.com*.

—Leonard

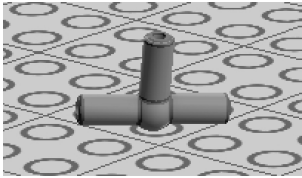
PARTS LIST

Brick	Name	Picture	Part	Color code	Quantity
4211104	BRICK 1X3		3622	199 - Dark Stone Grey	2
4211060	BRICK 2X2		3003	199 - Dark Stone Grey	3
4211387	BRICK 2X2		3003	194 - Medium Stone Grey	2
4558953	BRICK 1X1 W. 1 KNOB		87087	194 - Medium Stone Grey	2
4210723	BRICK 1X2 W/STUB VERTICAL END		30364	199 - Dark Stone Grey	4
4211694	BRICK 1X2/FRIC/FORK VERT./END		30365	194 - Medium Stone Grey	4
4619760	BRICK 2X2 W. CUP FOR BALL		92013	199 - Dark Stone Grey	2
4497253	BRICK 2X2 W. BALL Ø 10.2		57909	199 - Dark Stone Grey	2
4114294	BRICK 1X2 WITH CROSS HOLE		32064	26 - Black	1
4211410	ROOF TILE 2X2/45°		3039	194 - Medium Stone Grey	2
4211436	ROOF TILE 2X2/45 INV.		3660	194 - Medium Stone Grey	2
4211398	PLATE 1X2		3023	194 - Medium Stone Grey	6
4211094	PLATE 2X2		3022	199 - Dark Stone Grey	3

4211445	PLATE 1X4		3710	194 - Medium Stone Grey	6
4211396	PLATE 2X3		3021	194 - Medium Stone Grey	2
4535738	PLATE 2X1 W/HOLDER,VERTICAL		63868	194 - Medium Stone Grey	4
6043656	PLATE 1X2 BALL CUP / FRICTION MIDDLE		14704	194 - Medium Stone Grey	2
4654581	ANGULAR PLATE 1.5 BOT. 1X2 1/2		99780	194 - Medium Stone Grey	4
6039479	PLATE 1X2 BALL Ø5.9 MIDDLE		14417	199 - Dark Stone Grey	2
4654582	ANGULAR PLATE 1,5 TOP 1X2 1/2		99781	194 - Medium Stone Grey	2
4654580	ANGULAR PLATE 1.5 BOT. 1X2 2/2		99207	194 - Medium Stone Grey	2
4211811	ANGLE PLATE 1X2 / 2X2		44728	194 - Medium Stone Grey	1
4211508	T-PIECE		4697	194 - Medium Stone Grey	2
Total:					62

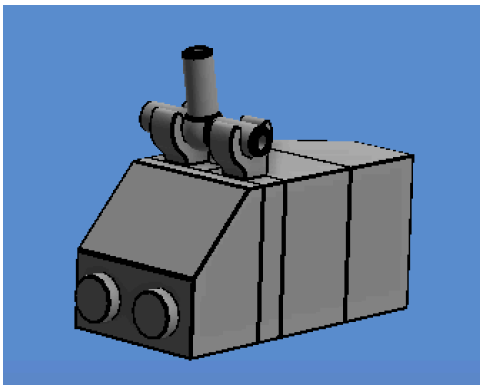
ALTERNATE BUILD

IF YOU DO NOT HAVE THIS “T-PIECE”



YOU CAN REPLACE THE ANKLE BUILD THAT USES THE T-PIECE BY SUBSTITUTING THE BRICKS USED IN THE ORIGINAL DESIGN WITH THE BRICKS SHOWN IN THE BOTTOM MOST DIAGRAM BELOW.

ORIGINAL ANKLE BUILD



ALTERNATE ANKLE BUILD

