30708 Millennium Falcon Mini Build
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Let young fans create and display a small-scale brick-built model of the iconic Millennium Falcon, also known as “the fastest hunk of junk in the galaxy!”

Welcome to text-based instructions from Bricks for the Blind. Before you start building, here are some terms we’ll be using:

- In Front of/Front: towards you.
- Behind/Back: away from you.
- Up: towards the ceiling.
- Down: towards the floor.
- Stud: the bump on a LEGO brick. Example: A 2x1 brick has two studs on it.
- Vertically: with the longest side going from front to back
- Horizontally: with the longest side going from left to right.
- Upright: pointing up towards the ceiling.
- Standing upright: The piece is perpendicular to the ground, like a wall.
- Lying flat: The piece is parallel to the ground, like a piece of toast which fell off the table.
- That one/ppp: previously placed piece.
- Plate: piece with studs.
- Tile: smooth piece without studs (unless otherwise specified)
- A jumper plate is a 1x2 plate with a single stud on top, or a 1x3 plate with only two studs on top.
- “Anti-stud” is a term for the portion of a LEGO piece which accepts studs, like the bottom of a plate or brick.
- Symmetrically: a mirror image. Example: If you place a 2x1 brick with technic connector on the front wall at the right, connector to the front, and then place another such piece symmetrically on the back wall, at the right, the technic connector of the second piece should point to the back, since it will be placed symmetrically.
- Centered-vertically: even amount of space in front of and behind piece
- Centered-horizontally: even amount of space left and right of piece.
- Row: studs lined up horizontally (left to right/side to side).
- Column: studs lined up upright or vertically (top to bottom/back to front).

For builders with low vision, or a sighted building partner who may want to follow along with the printed visual instructions that come with each set, PDF versions are always online at [https://www.lego.com/en-us/service/buildinginstructions/30708]. As low vision users may benefit from viewing the instructions on a personal device where they can zoom in on content and use assistive technologies to enhance the visuals.

There is an assortment of Technic parts also located in this set. A note on LEGO Technic™ part names. These parts are somewhat different from regular LEGO bricks. Here are some definitions in case the builder or helper is not familiar with LEGO Technic™.

Axles - An axle is a connector which has an X shaped cross-section. Because their cross section is not round, anything connected to an axle using an axle-hole will rotate with that axle. Axles are longer than they are wide, and the length of an axle corresponds with how many bricks long it is. Aka a 3L axle is three bricks long. Axles come in a variety of lengths, with a 2L axle being the shortest available. They may be combined with pins, or have circular stops on them. A stop prevents the axle from sliding through an axle-hole at a specific point on the axle.

Pins - A pin is a connector which has a circular cross section and a flanged notch out of one or both ends. This flanged notch allows them to click into bricks with a pin-hole. Pins come with and without friction ridges, which are small bumps on the pin which prevent them from rotating freely. For standard pins, black is a high friction pin, and grey is a low friction pin. A standard-length pin is two brick lengths long, with a stop in the middle. This prevents a brick from being pushed from one side of the pin to the other. A 1L pin is one brick long and still retains the stop; however, it also includes a hollow stud at the other end. A 3L pin is three bricks long, and only contains a stop at one side, allowing two bricks to be pushed onto the other side of the pin. Pins may also have one side which is an axle.

The Bag – The poly bag as a black wedge on the upper left side with a rich blue hued streaks as the image of the completed mini build Millennium Falcon streaks through hyperspace on the rest of the bag. In the upper left, is the LEGO logo, along with the “Star Wars” logo type for the theme. The standard title block area with the set number (30708), 74 piece count and the age “6+” is noted. A smaller image of Darth Vader looks at you menacingly from the lower left corner, with a reddish glow from his drawn lightsaber ready to strike!

To begin a successful build, it helps to sort the pieces into groups, bags or small containers. Have a sighted friend or family member do this in advance following the instructions below. You will see that the pieces should be sorted into groups according to the building steps in the set. Doing this in advance makes locating the pieces easier. See below on how to sort the pieces to correspond to the steps in this set. Number the containers using letters A-Z, numbers or meaningful names. The parts will be collected into a small number of steps in the instructions. Example: Steps 1-3 means collect all the parts used in steps 1, 2 and 3, and put them in one container.

The LEGO® Millennium Falcon Mini building kit for girls and boys aged 6 and up contains 74 pieces.

Bag 1 (3 groups of bricks)
Group 1 contains pieces to build Steps 1 through 4.
Group 2 contains pieces to build Steps 5 through 10.
Group 3 contains pieces to build Steps 11 through 18.

Group 1, steps 1 through 4

1. Locate 2 dark grey 2x4 plates. Orient the plates horizontally and stack them together.

2. Locate 4 light grey 4x4 quarter round plates. Place the 4 quarter round plates, with the 90-degree corner points all into the center, and push them together to create a 8x8 stud full circle. Place the 2 stacked 2x4 plates horizontally and vertically centered on top of the 8x8 circle.

Turn the build so that the left and right sides have 2 columns and the front and back have 3 rows, around the 2 plate high 2x4 stack in the middle.

3. Make 3 stacks of plates. Locate 6 transparent light blue 1x2 plates. Place a 1x2 plate horizontally, and stack another plate horizontally on top, building 3 duplicate stacks of plates.

Place the 1st stack of 1x2 plates horizontally and horizontally centered on the 2nd row from the front.

Place the 2nd stack of 1x2 plates horizontally on the leftmost studs of the 3rd row from the front.

Place the 3rd stack of 1x2 plates horizontally on the rightmost studs of the 3rd row from the front.

4. Locate 2 dark grey 2x4 plates. Orient the plates horizontally and stack them together.

Rotate the main build 90-degrees so that the 3 sets of 1x2 stacked plates are on the right side of the build. Place the 2x4 stack horizontally and vertically centered to the left of the double stack of plates in the center of the build, overhanging 1 column to the left.

Group 2, steps 5 through 10.

5. Locate 2 light grey 1x2 plates stack them together. Place the 1x2 stack vertically on the stud in the 2nd row from the front, skipping the 1st stud of the left column. This will have only a slight overhang of the left front corner of the stack to the front of the build.

6. Locate 2 light grey 6x3 left wedge plates stack them together. Place the 6x3 stacked plates on the 3rd column from the left, 1st and 2nd rows from the front, with the point to the left and overhanging 3 columns left.

7. Locate 2 light grey 6x3 right wedge plates and aligned, stack them together. Place the 6x3 stacked plates on the 3rd column from the left, 1st and 2nd rows from the back, with the point to the left and overhanging 3 columns left.

8. Locate 4 dark grey 1x2 rounded plates. Stack 2 plates on top of each other, building 2 duplicate stacks.

Flip the model upside down, and turn 180-degrees to have the wedges on the right and 1 plate lower than the circular bottom of the build. When turned upside down the tubes between the anti-studs are apparent. These tubes are a stud in width and can be used to connect bricks at a 1/2 stud offset.

Connect the 1st stack horizontally to the leftmost tubes in the 2nd row of tubes from the front.

Connect the 2nd stack horizontally to the leftmost tubes in the 2nd row of tubes from the back.

9. Locate 4 dark grey 1x1 round plates. Stack 2 round plates on top of each other, building 2 duplicate stacks

Connect the 1st stack in the 4th tube from the left in the 2nd row of tubes from the front.

Connect the 2nd stack in the 4th tube from the left in the 2nd row of tubes from the back.

10. Make the Falcon’s cockpit!

10.1. Locate 1 light grey 1x2 plate and 1 light grey 1x4 plate. Orient the 1x2 horizontally, then place the 1x4 plate horizontally and horizontally centered on top. The 1x4 plate will overhang to the left and right.

10.2. Locate 1 light grey 2x2 plate with cut corner. Rotate the cut corner to the back left and connect the left overhang of the 1x4 plate part onto the back row. The 2x2 plate will extend 1 column to the left.

The part should now have a back row of 4 studs, and a 1x2 front row, 1 plate lower and 1 stud shifted to the left.

10.3. Locate 1 light grey 1x2 technic brick with 1x2 plate. Place the 1x2 plate of the technic brick horizontally on the front row of the part.

10.4. Locate 1 light grey 2x2 plate with cut corner. Rotate the cut corner to the back left, and place it on top of the leftmost 2 columns and back left 2 rows.

10.5. Locate 1 blue 2L pin axle combo. Insert the pin into the pin hole on the front facing side of the 1x2 brick on the left. There will be a 1L axle remaining pointed to the front.

10.6. Locate 1 light grey 1x2 ingot tile,1 light grey 1x2 plate and 1 light grey 2x2 truncated cone. Place the 1x2 ingot tile horizontally, on the left studs of the 2nd row from the front. Place the 1x2 plate vertically on the 2nd column from the left, back 2 rows, behind the PPP.

The truncated cone has a center tube on the anti-stud side that has axle notches. Place the truncated cone tube centered on the axle.

Now flip the Falcon build right-side up, and orient the wedge plates to the left. Rotate the part 90-degrees so that the 1x3 section is toward you and place that section into the gap to the right of the back wedge plate stack.

Group 3, steps 11 through 18. Finish building the Falcon!

11.1. Build 2 duplicate parts. Locate 1 light grey 1x2 plate with 2 side studs up and place it horizontally on top of 1 dark grey 1x2 plate with 2 side studs down with both sets of side studs facing front.

11.2. Locate 1 dark grey 2x2 round tile with center pin hole and place it upright on the vertical 2x2 set of studs created in the previous step. Build a 2nd duplicate part.

Then place the 1st part with the upright 2x2 round tile facing front horizontally, on the front row at the peak of the curve. Symmetrically place the 2nd part on the back row, to the right of the cockpit.

12. Locate 4 light grey 4x4 quarter round plates. Orient the main build with the wedges on the left. Place the 1st 4x4 quarter round plate on the 5th column, 1st 4 rows on the front with the curve to the left front. Place the 2nd 4x4 quarter round plate to the right of the PPP with the curve to the right front.

Place the 2 remaining 4x4 quarter round plates symmetrically on the 4 rows on the back. This will create a full 8x8 circle, 1 plate high on the right side of the Falcon build.

13. Locate 4 light grey 1x2 ingot tiles and 1 light grey 2x2 jumper plate. Place the 2x2 jumper plate in the center of the 8x8 circle of plates. Place the 1st 1x2 ingot tile vertically and vertically centered on the 4th column from the left. Place the 2nd 1x2 ingot tile vertically to the right of the PPP. Place the 3rd 1x2 ingot tile horizontally on the front row. Place the last 1x2 ingot tile horizontally, 2 rows behind the centered 2x2 jumper plate.

14. Locate 2 light grey 3x6 half round plates with 1x2 cutout. Place the 1st 3x6 half round plate vertically on the 2nd and 3rd columns from the right. The 1x2 cutout will surround the right side of the 2x2 jumper plate on top. Symmetrically place the 2nd 3x6 half round plate to the left of the PPP.

Now the Falcon has a full 6x6 circle, 1 plate high on the right side of the build.

15. Locate 4 dark grey 1x1 round plates with open stud, 2 light grey 1x2 ingot tiles and 1 dark red 1x1 quarter circle tile.

Place 2 of the 1x1 round plates on the front and back stud of the 2nd column from the left.

Place 2 of the 1x1 round plates on the front and back studs of the 4th column from the left.

Place the 1st 1x2 ingot tile horizontally on the front row of the 6x6 circle on the right side of the Falcon build. Symmetrically place the 2nd 1x2 ingot tile on the back row of the 6x6 circle.

Place the dark red 1x1 quarter circle tile on the 4th column from the left, 2nd stud from the front row, with the curve facing back left.

16. Locate 7 dark grey 1x1 round plates with open stud, 2 dark red 1x1 quarter circle tiles and 1 light grey 1x2 ingot tile.

Place 2 of the 1x1 round plates on the studs of the 2nd column from the right.

Place 2 of the 1x1 round plates on the front and back studs of the 3rd column from the right.

Place 2 of the 1x1 round plates to the left of each of the 1x1 round plates placed in the previous step.

Place the last 1x1 round plate on top of the stud of the 2x2 jumper.

Place 2 of the 1x1 quarter circle tiles on the column to the left of the PPP. Orient the back 1x1 quarter circle tile to have the curve to the back left. Symmetrically orient the front 1x1 quarter circle tile.

Place the 1x2 ingot vertically connecting only the back of the tile to the rightmost stud of the 2nd row from the back. This will come forward 1 row – then rotate the 1x2 ingot tile front to the right slightly, creating the access of the main Falcon body to the cockpit.

17. Locate 1 dark grey minifigure binoculars. Place the binoculars on top of the stud in the center of the 2x2 jumper plate on top. You can rotate the binoculars any way you'd like! These represent one of the Falcon's quad cannons.

18. Locate 1 light grey tap and 1 light grey 2x2 radar dish with open stud. The tap has a stud on top, and a nozzle just below coming out at 90-degrees. The bottom has a rounded flared anti-stud.

Place the 2x2 radar dish upright inserting the nozzle into the open stud of the radar dish, the curve of the radar dish should be "away" from the part. Place the part on the stud in front of the 1x1 quarter circle tile placed in step 16, turning the upright radar dish to the front left.

That's it! You've completed your Millennium Falcon Mini Build! You can swoosh this around imagining you're Han Solo completing the Kessel run in less than 12 parsecs – or escaping from the pursuing Empire!

Congratulations on finishing your build! Would you like to inspire other blind people to build LEGO sets? Let's feature your build on our "Builders page". It's easy and we will do all the work! Just contact us at info@bricksfortheblind.org and together we will make it happen!

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