

76307 Iron Man Mech vs. Ultron

Adapted by John Le and tested by Jolene Nemeth.

Iron Man Mech vs. Ultron (76307) is an action-packed, buildable LEGO® Marvel playset for kids aged 6 and up who enjoy Super Heroes and hands-on construction adventure toys.

This LEGO Marvel mech playset includes 2 minifigures: Iron Man with a flip-open helmet and reversible head showing alternative expressions, and Ultron holding a laser beam element. The buildable mech has movable arms, legs and fingers and a stud-shooter at the end of its right arm. The torso opens to reveal a cockpit where the Iron Man minifigure can sit. For added digital fun, builders can zoom in, rotate models in 3D and track their progress using the fun, intuitive LEGO Builder app.

Buildable Iron Man playset – Scale up the Super Hero action with Iron Man Mech vs. Ultron for boys and girls aged 6 and up

LEGO® Marvel minifigures – The set comes with 2 minifigures: Iron Man with a flip-open helmet and reversible head showing alternative expressions, and Ultron holding a laser beam element

Buildable Iron Man mech – The posable figure has movable arms, legs and fingers and the torso opens to reveal a cockpit that can hold the Iron Man minifigure

LEGO® Marvel mech weapon –The end of the mech's right arm features a built-in dual stud shooter

Iron Man gift for kids – Treat boys and girls who are fans of Super Heroes, LEGO® building or mechs to this buildable Iron Man playset

Expand the fun – This Super Hero playset is compatible with all other LEGO® Marvel buildable toys, sold separately

Super Hero collectibles for kids – LEGO® Marvel buildable toys are designed to deliver endless imaginative build-and-play possibilities for young Super Heroes

101-piece buildable playset – Put epic adventures into the hands of any young Super Hero with this Iron Man mech, which stands over 4.5 in. (12 cm) tall

The set has 101 pieces and is for ages 6+. The instructions have 9 steps, with several of the steps having substeps.

The set comes in a 6" x 5 1/2" x 1 3/4" cardboard box, with the front depicting a scene in some undefined outer space-like place with various yellow sparks in the background. The large Iron Man Mech figure appears in the foreground. It has the burgundy and gold face mask, a burgundy torso with Tony's light blue energy cell, and burgundy and gold arms and legs. The torso is twisted at a slight angle as though in motion. The right arm is facing towards the viewer and two translucent light blue cylindrical projectiles are issuing forth from it with motion blur and rocket fire visible. The left arm is swiveled away from the viewer, and its underside is visible, including a translucent light blue circular plate. The legs are in a running or flying kind of pose. In front, a small Ultron minifigure with a metallic body and head with red features, including eyes, mouth, and some kind of riblike structures, with red cylindrical rockets on the bottoms of its feet, flies towards the viewer with a zigzag of rocket fire or motion blur, as though it is escaping from Iron Man's clutches. It holds a red staff pointing away from the viewer in its left hand. The LEGO and MARVEL logos, plus the set number and name and age range are in the upper-left corner. The upper-left corner has a diagonal cut revealing the MARVEL Avengers logo along with illustrated portraits of the Hulk, Iron Man, Captain America, Black Panther, and Captain Marvel. The lower left says "101 pcs/pzs Building toy" in English, French, and Spanish. The lower-right corner has circular "profile photo" style images of the Iron Man and Ultron minifigure busts, captioned "IRON MAN" and "ULTRON."

The top of the box has LEGO and MARVEL logos, the set number, and a background partially filled with black and white tiles of various LEGO MARVEL character portraits (I imagine this is a takeoff of the introductory logo sequence of the MCU films, which features iconic clips of many of the characters), and partially filled with a dark blue background. A 1:1 scale image of the Iron Man minifigure is overlaid on top of this on a green trapezoidal background, so that if the lid is viewed in a "portrait" orientation, the figuring appears to be standing upright.

The back of the box has the LEGO logo and set number in the upper left, Avengers "A" with an arrow and circle logo in the lower left, and depicts the Iron Man Mech suit standing on a rocky sidewalk with building facades covered by dust and smoke in the background. It has both arms forward with a light blue rocket fire emanating downwards from the blue plate on the left hand, as though to propel the arm upwards. The Iron Man minifigure jumps upwards out of the Mech suit with arms and legs in opposing orientation bilaterally. The minifigure's suit has its mask open, and Tony Stark shows his tough-guy grimace. He leaps towards Ultron, who is still flying around in his rocket feet, with the motion blur indicating a circular path around the Mech suit. The red staff points towards the viewer and to the right. The face points straight towards the viewer with the same menacing grin (although, admittedly, it appears more menacing straight-on). The lower-left corner has a cut-out or peel-away appearance with more black-and-white LEGO MARVEL character portraits.

This black-and-white portraiture wraps around to the box's left side and is overlaid with logos and information about where the components are made. The box's right side has a dark blue background, logos and set number, translations of the set name into French and Spanish, a choking hazard warning for ages 0-3, and a white box with what appear to be serial or some other kind of numbers. The box's bottom has a dark blue background, logos, a FSC.org note about "Supporting responsible forestry," copyright information, the URLs LEGO.com/service and LEGO.com/apps, "Item: 6527583," a barcode, and some other numbers over a white box.

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: toward the front.
- 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/76307> 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.

Sorting the pieces:

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 pieces come in two plastic bags, though the instructions indicate that LEGO is transition to paper-based packaging and the instructions do not mention two bags. The pieces do not seem to be separated between the bags in any meaningful way. Sort the pieces into groups as follows.

Group 1 – Iron Man minifigure, page 5.

Group 2 – Ultron minifigure, p.p. 6-8.

Group 3 – Starting on page 9, steps 1-4.

Group 4 – Steps 5-6.

Group 5 - Steps 7-14.

Group 6 – Steps 15-20.

Group 7 – Steps 21-26.

Group 8 – Steps 27-33 (note to use 2x the quantity of each piece in the instructions, as these steps are used to build both of the suit's feet).

Group 9 – Steps 34-46.

Group 10 – Steps 47-58.

Group 11 – Step 59

Now we're ready to build!

Building Instructions (Bag 1, Book 1):

Group 1 – Iron Man minifigure

Stand Iron Man's burgundy and gold legs upright on the table with feet pointing toward the front. Place the Iron Man torso, decorated with Tony's suit design and the arc reactor, on top of the legs, with arms curved toward the front. Place the Tony Stark head on top of the torso. Amazingly, his head is two-faced, showing either a smug grin with goatee and raised eyebrows, or an action grimace with a blue-tinted HUD overlay complete with lines and squiggles. Place the burgundy helmet over Tony's head, with the opening to the front. Attach the curved concave burgundy and gold mask to the hinge on the top front of the helmet, so that it can close with the curved part facing you. Now you have Tony Stark dressed as Iron Man!

Group 2 – Ultron minifigure

Ultron's minifigure is grey and silver with various designs resembling mechanical ribs, structures on the legs, and a robotic face. It has transparent red rocket boosters on the bottoms of its feet and it holds a red saber or laser beam attached to a clear plastic holster.

First stand the legs upright with feet pointing toward the front. Place the torso on top with the arms facing toward the front. Find the neck armor, which is in the shape of a collar and put it with the wider part flaring upwards on top of the neck pin so the hollow side faces up and the opening faces the front. Place the head on top of the neck armor. This head is two-faced as well; it has a menacing smile on one side with red-orange almond-shaped eyes and a jack-o-lantern mouth, and on the other side it has near-vertical slivers of eyes and a grey mouth with a small horizontal sliver of red-orange in the middle. Attach the clear 1x1 round plate with a horizontal bar underneath to the figure's right hand. Place the narrow end of the red long bar with a ball on the end into the open stud on the 1x1 round plate with a horizontal bar underneath. Attach one red transparent 1x1 round brick to the bottom of each foot with the larger opening facing downwards and the smaller stud-sized opening fitting into the bottom of the foot. Now Ultron looks mean and ready to go!

Group 3 – Start building the mech suit's torso

1. Place the dark gray 2x4x3 cockpit in front of you so the wider part is at the top and the hollow side faces the back. The horizontal clips should be at the bottom, facing down, and point to the back, so that the 1x4 row and 2x2 square of studs are facing toward the front.
2. Put a dark gray 1x2 plate with ball on the short side horizontally upright on the top row of front-facing studs on the 2 leftmost columns so the ball faces the left. Then repeat symmetrically to the right.
3. Place a dark red 1x2 plate with a stud and a slope tile, horizontally on the top so it slopes to the right. Repeat symmetrically to the left.
4. Vertically place a dark red 2x3 curved sloped tile on the front facing studs so it is centered and slopes down.

Group 4 – Finish the torso

5. Place the dark red 4x3x3 concave breastplate in front of you so the hollow side faces the back. Attach the dark red 2x2 tile printed with arc reactor design upright on the 4 front-facing side studs, with the reactor's point facing downwards towards the bar. Place the dark gray cockpit with its horizontal clips at the bottom and facing toward the front. Attach the breastplate's bar to the two horizontal clips, so that the two hollow parts face each other and the whole thing can hinge closed into a shell-like structure.
6. Hinge the entire cockpit/torso closed.

Group 5 – Now we're going to build the mech suit's hips!

7. Place a gray 2x2 inverted curved sloped tile in front of you with the studs facing up and it slopes to the back.

8. Put the medium gray 1x2 brick with hole and 1x2 plate (a single 2x2 piece) on the ppp so it is centered and the hole faces the front.

9. Put a black 1x2 plate with balls on the short sides horizontally on the back row of the ppp with the ball joints pointing left and right.

10. Place a dark red 1x2 plate with a stud and a slope tile vertically on the left column of the assembly you've just made, so it slopes to the back. Then repeat symmetrically to the right.

11. Place a dark gray 1x1 plate with 2 side studs hanging down on top of the rightmost column of the front row so the side studs face the right. Then repeat symmetrically to the left.

12. Place a dark red ingot tile on the front row. Then place one upright on the right facing side studs. Repeat symmetrically to the left.

13. Put a dark grey 2L technic pin into the front-facing hole of the brick.

14. Rotate the previous hip build so the pin faces up and the ingot tile faces the front. Now take the entire torso you built in steps 1-6 and place it on top of the hips you just built so the 2x2 tile faces the front. The hip's technic pin should go into the bottom-facing hole of the torso. The pieces should now rotate with respect to each other. Rotate them so that the two dark red slopes and 1x2 ingot on the hips face toward the front, as does the torso's breastplate and arc reactor tile.

Group 6 – Build the right leg!

15. Put a pearl gold 45 degree angle plate in front of you with the studs facing up and the knee pointing toward the front. The entire build has four of these, one for each limb, and we'll call the bends in them "knees" after the parts of the suit they comprise. Put a medium gray 1x2 plate with a socket vertically over the leftmost column of the entire rotated plate, with the socket facing left. Repeat with another medium gray 1x2 plate with a socket symmetrically on the rightmost column of the entire plate.

16. Place a dark tan 1x2 plate with 2 side studs hanging down horizontally on the front row of the 2 leftmost columns of the leg sub-build so the side studs face the front.

17. Put a dark red 2x2 curved sloped tile on the 2 leftmost columns and the row of studs so it slopes to the back. Put a dark red 1x2 ingot upright horizontally on the 1x2 side studs facing you.

18. Horizontally place a pearl gold 2x3 curved slope with a wing on the 2 rightmost columns so the wing points to the right and the vertical column of studs overlaps the central circle of the knee.

19. Flip the leg over so that the studs face down and the knee faces the back. Put a dark red 2x2 inverted round tile with a rounded bottom of the 2 leftmost columns of anti-studs.

We're done with the right leg, now let's attach it to the hips!

20. Lay the torso and hips assembly on the table, with the torso on the right side, the hips on the left, and the 2x2 tile printed with an arc reactor facing upwards. Two ball joints should face the front, and two should face the back. Rotate the leg you just made toward the front 90 degrees, so that the leg is upright and the knee points up. Attach the leg's rightmost ball socket to the ball joint of the hip pointing away from you.

Group 7 – Build the left leg! This is a mirror image of the right leg.

21. Put a pearl gold 45 degree angle plate in front of you with the studs facing up and the knee facing the front. Put a medium gray 1x2 plate with a socket on the long side vertically over the rightmost column., with the socket facing right. Repeat symmetrically to the left.

22. Place a dark tan 1x2 plate with 2 side studs hanging down horizontally on the front row of the 2 rightmost columns of the leg sub-build, so the side studs overhanging to the front.

23. Put a dark red 2x2 curved sloped tile on the 2 rightmost columns so it slopes to the back. Then horizontally place a dark red 1x2 ingot tile on the 2 rightmost front-facing side studs.

24. Horizontally put a pearl gold 2x3 curved slope brick with a wing on the 2 leftmost columns so the wing faces the left.

25. Flip the entire leg over so that the knee points toward the front. Put a dark red 2x2 round plate with rounded bottom on the left-hand 2x2 anti-studs of the leg.

We're done with the left leg, now let's attach it to the hips!

26. Orient the main build so it is vertical and the previous leg is in the front left and the socket faces the front. Make sure the 2x2 tile of the torso faces up. Now vertically attach the leg to the front right facing ball so the tiles face the right and the socket faces the front.

Group 8 – Make the feet!

27. Let's make 2 identical parts! Put a dark gray 2x4 technic plate with holes horizontally in front of you.

28. Flip it upside down so it is still horizontal. Vertically place a dark tan 1x2 rounded plate on the rightmost column. Then put a transparent light blue 2x2 dish to the left of the ppp so it is centered vertically.

29. Place a dark tan 2x2 inverted tile on the leftmost column of the 2x4 plate so that it overhangs one column to the left.

30. Flip the foot over so the studs point up. The ppp should still be on the left. Now vertically place a dark red 1x2 slope tile on the rightmost column so it slopes to the right.

31. Put a dark red 2x2 curved sloped tile on the 2 leftmost columns so it slopes to the left. Then place a dark grey 2x2 round tile with a stud to the right of the ppp.

32. Insert the bar of a 1l bar with a ball into the center of the ppp so the ball faces up and push it all the way down as far as it will go.

33. Now you should have 2 identical parts! Bring back your main build and orient it so the torso faces up and the socket of the legs face the front. Vertically attach the balls of your parts to each of the front-facing sockets of your legs. Make sure the 2x2 sloped curved tiles of your parts face up.

Group 9 – Make the figure's right arm!

34. Let's make a part! Put a pearl gold 45 degree angled plate in front of you with the studs facing up and the elbow pointing away from you. Now vertically place a light grey 1x2 plate with a socket on the long side on the rightmost column so the socket faces the right.

35. Vertically place a dark grey 1x4 plate with inverted sloped sides underneath the rightmost column so it is centered vertically.

36. Place a dark red 2x2 inverted round plate with a rounded bottom underneath the leftmost column so 1 column is exposed to the left.

37.1. Prepare the shooters: Take a pearl gold 1x2 plate with a tile shooter and place it horizontally in front of you with the single stud on the right. Hold a dark gray weapon trigger horizontally in front of you and point the semicircle downwards with the thicker tabbed end pointing right. Align it with the slot in the top of the ppp and press it downwards into the slot until it clicks. It should then rotate freely through about 45 degrees. Repeat this with a second 1x2 plate with tile shooter and weapon trigger.

37.2. Flip the arm over again so that the socket is still on the right and the elbow faces the back. Put one of the prepared shooters on the front left corner of the arm so the stud is on the right and overhangs 3 columns to the left. Then repeat symmetrically to the back.

38. Place a dark grey 2x2 plate with 2 side studs on the 2 leftmost columns of studs so the side studs face the back.

39. Place a dark tan 1x2 plate with 2 side studs hanging down horizontally on the front row of the ppp with the side studs facing front.

40. Place a dark red 2x2 curved sloped tile on the 2nd and 3rd columns from the left so it slopes to the right. The slope's rightmost column should sit on the column of studs just to the left of the elbow. Place a dark red 1x1 quarter circle tile on the back row to the left of the ppp. The circle's arc should face the back left. Then repeat symmetrically to the front.

41. Place a dark red 1x2 ingot tile upright and Horizontally on the left two front facing studs.

42. Place a dark red 2x4 triple horizontal slope brick vertically on the rightmost column so it slopes and overhangs to the right and front.

43. Place a dark tan 2x4 double wedge plate to the left of the ppp so it is centered vertically and the short end faces the left.

44. Place a pearl gold 2x2 double curved sloped brick on top of the ppp so it slopes to the left.

45. Place a dark red 2x2 round tile on the 2 rightmost columns of the sub-build.

46. Now it's time to attach the Mech suit's right arm! Stand up the mech suit with the cockpit facing the front. Attach the socket of the arm to the left-facing ball so the barrels of the stud shooters face the left and the tiles face up.

Group 10 – Make the figure's left arm! This arm is symmetrically the same as the last, except that it has a hand instead of shooters.

47. Place a pearl gold 45 degree angled plate in front of you with the elbow pointing away from you. Place a medium gray 1x2 plate with a socket on the long side vertically on the leftmost column so the socket faces the left.

48. Vertically place a dark tan 1x2 plate with a bar on the short side on the rightmost column so the bar faces the front.

49. Vertically place a dark grey 1x4 plate with inverted sloped sides underneath the leftmost column so it is centered vertically. Then place a transparent aqua 2x2 inverted round tile with a rounded bottom underneath the 2 rightmost columns.

50. Place a dark red 2x4 triple horizontal slope brick vertically on the leftmost column so the part slopes and overhangs 1 column to the left.

51. Vertically place a dark tan 2x4 trapezoid plate to the right of the ppp so the short end faces the right.
52. Place a pearl gold 2x2 sloped curved brick on top of the ppp so it slopes to the right.
53. Place a dark red 2x2 round tile on top of the 2 ppp so it is centered.
54. Now to build the bulk of the hand. Place a pearl gold 1x2 plate with a bar on the long side vertically on the rightmost column of the arm. The bar should face right.
55. Place a dark red 2x2 curved sloped tile on the 2 rightmost columns so it slopes to the left.
56. Horizontally attach 3 gold claws to the right-facing bar so the claws face down and to the right. Then vertically attach 1 to the front-facing handle so it faces down and to the front.
57. Attach the left facing socket of your arm to the right facing ball on the main build. Also make sure the builder knows how the main build should be oriented. The 2x2 tile on the torso should face the front.
58. Now it is time to place Iron Man inside the Mech suit. Open up the suit's torso cockpit by pulling the breastplate downwards. Put the Iron Man minifigure into a sitting position by bending the legs forwards. Put the minifigure on the 2x2 studs in the cockpit. Iron Man faces forwards, in the same direction as the suit's toes and hands. If he had trouble fitting, his arms might need to rotate up so they are not trying to fit into the narrowest part of the cockpit. You may want to hold the suit by the cockpit for stability as you are trying to attach Iron Man to it. Close the cockpit by pulling the breastplate upwards.

Group 11 – Load the shooters.

59. Hold a 1x1 round transparent blue tile so that it is upright and the flat side faces the front. Slide the tile into the opening on the left side of the tile shooter that is in the front. You should hear a click when it is inside. Repeat with the other tile shooter.

The instructions have a warning graphic with a minifigure head with a winking eye and a projectile with motion streaks clearly hitting it, a tear on the other eye, and a circle-slash emblem over it: this is a warning not to injure anyone's eyes with the projectiles. The round tiles shoot out if you push the gray tabs on the shooters. The set contains two extra round tiles, plus another as a spare.

Now the set is done and Iron Man can save the world from Ultron!

The final page of instructions depicts Iron Man in the Mech suit with a starburst and light rays, plus a few extra stars, coming out of the background, with the Ultron minifigure in the foreground to the right holding its laser beam and half-facing Iron Man.

The front of the instruction booklet has the LEGO and MARVEL logos, a light blue background with the set number, 76307, and an image of the completed Iron Man Mech vs. Ultron set. The lower left has an image of three stacked blocks, the LEGO logo, a QR code, and the text "LEGO Builder," presumably an invitation to download LEGO's app.

The next page contains a notice that LEGO is going to switch to paper-based packaging and the URL [LEGO.com/sustainable-packaging](https://www.lego.com/sustainable-packaging).

The following page has an advertisement for the LEGO Builder app, a QR code, the URL [LEGO.com/devicecheck](https://www.lego.com/devicecheck), logos for the Apple and Google app stores and one with Chinese characters, plus "Ask parents' permission before going online" in various languages.

The page preceding the instructions has an illustration of a hand dumping wireframe LEGO bricks out of a brown, seemingly paper, bag. The Iron Man minifigure marches to the right next to the page number.

After the build instructions, the booklet has a page with LEGO and MARVEL logos with a blue-purple background and the Iron Man Mech suit flying out of it, and around the foreground are several more LEGO MARVEL sets with images on the box but no distinct set names. Their numbers are: 76313 MARVEL Logo & Minifigures, 76314 Captain America: Civil War Action Battle, 76310 Iron Man Car & Black Panther vs. Red Hulk, and 76307 Iron Man Mech vs. Ultron. The MARVEL Avengers logo appears in the lower right hand corner of the page.

The next two pages contain an inventory of parts for this set, with quantity and part number, and a LEGO minifigure with frizzy hair and a heart sweater holding up a smartphone, with text appearing in a search bar over it: [LEGO.com/service](https://www.lego.com/service) . The next page has a white background with “Rebuild the World” and LEGO branding on it, with a flying LEGO pig and ducks with wings.

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!

Please [signup](#) for our newsletter and follow us on [Facebook](#) and [Instagram](#) to be the first to know when new instructions are available!

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