30669 Iconic Red Plane
Adapted by Shannon Holmes and tested by Natalie Charbonneau.

This LEGO® Creator Iconic Red Plane (30669) 3 in 1 toy playset, for ages 6 and up, lets vehicle fans build a red plane, a red jet, or a red speedboat.

The bag shows the Iconic Red Plane tipped to one side as it flies through the clear blue sky with the bottom left corner suggesting land far below. It shows marks near the propeller on the front of the plane to suggest it is spinning. The front also shows the other two alternative builds that can be made with this set, and specifies that "Models cannot be built simultaneously".

The build is 51 pieces and is for ages 6+. The instruction sheet included is for the Iconic Red Plane only and has 18 steps. The end of the instructions show the 2 alternative builds for set 30669, the red jet and the red speedboat. 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 kit, PDF versions are always online at LEGO.com: (**https://www.lego.com/en-us/service/building-instructions/30669**) 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.

The red speedboat alternative build has 15 steps. The red jet alternative build has 12 steps.

Welcome to Text-Based Building Instructions from Bricks for the Blind. Here is some helpful information on how to best use screen readers and browsers: bricksfortheblind.org/help-with-screen-readers. Before you start building, here are some terms we will 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).

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This set has 3 builds:
Go to Build 1: Red Plane
Go to Build 2: Red Speedboat

Go to Build 3: Red Jet
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.

Build 1: Red Plane

This build is 51 pieces, and 18 building steps.

Sorting Instructions:

Group 1: Underside of the Plane - Steps 1 - 7 (stack 1 red 1x1 round plate on top of 1 green 1x1 round plate to differentiate)
Group 2: Middle layer of Plane with Left and Right Wing Sub-build (4 Steps Each) - Step 9 - 11
Group 3: Upper Body of the Plane and Canopy - Steps 12 - 16
Group 4: Wheels and Propeller - Steps 17 - 18

Let's start building!

Building Instructions:

Group 1 - Underside of the Plane
(1x1 round plates are stacked together with red on top and green on the bottom, for step 2.)

Start Building
Step 1
Locate 1 white 2x4 plate and place it horizontally in front of you. Locate 2 white 1x4 inverted curved slopes, with a 1x1 recess underneath and a 1x2 recess on top. With the 1x1 recess to the left and the slopes at the right, place them horizontally side-by-side so that the 1x1 recesses cover the righthand column of studs on the 2x4 plate and the bottom of the slope sits aligned with the bottom of the plate.

Step 2
Locate the 2 stacked 1x1 round plates. Take the 1 transparent red 1x1 round plate off the top of the stack and place on the front stud of the 2 white 1x4 inverted curved slopes previously placed, on the first column of recessed studs from the righthand side. Then take the 1 transparent green 1x1 round plate, from the bottom of the stack, place on the back stud of the 2 white 1x4 inverted curved slopes previously placed, on the first column of recessed studs from the righthand side round plate on the stud behind it. Locate 1 white 1x2 plate and place it vertically on the 2x4 plate, directly next to the 1x4 inverted curved slopes.

Step 3
Locate 1 white 4x4 modified plate with the curved cutout. With the curve at the back right side, place it on the back studs of the 2 white 2x4 plates, to the left of the 1x2 plate previously placed, covering left 2 back studs from original 2x4 plate.

Step 4
Locate 1 white 2x4 plate and place it horizontally, underneath the 4x4 modified plate previously added, so that the second 2x4 white plate sits on the left side of the original white 2x4 plate (placed in step 1), so that they are end to end. The 4x4 modified plate will cover the right 2 back studs of the new 2x4 plate.

Step 5
Locate 1 white 4x4 modified plate with the curved cutout. Place the 4x4 modified plate symmetrically to the other 4x4 plate, previously placed, with cutout at the front right side.

Step 6
Locate 2 white 1x4 plates. Place the back stud of a 1x4 plate vertically, on the front stud of the 2nd column from the left then place the second 1x4 plate symmetrically behind the first. So one sticks out to the back and the other sticks out in the front.

Step 7
Locate 1 white 2x2 inverted curved slope, with a 1x2 recess on top and underneath on the non-slope side. With the slope at the left, place on lefthand column of remaining studs from the 2x4 plate. The bottom of the slope should sit aligned with the bottom of the plate.

Group 2: Middle layer of Plane with Left and Right Wing Sub-build

Step 8
Locate 2 red 2x4 plates. They will be placed horizontally end-to-end. Place the 2x4 red plate so that the left hand side is in the 1x2 recess of the previously placed 2x2 inverted curved slope and the second will be horizontally next to the first, so that its right hand side is next to the 1x1 rounded plates added previously. The middle of the plane body (horizontally) should now be all the same level, with the underside of the wings (the 4x4 modified plates and the 1x4 plates) being 1 plate height lower at the front and back.

Step 9
Left Wing Sub-build (4 steps)
Let's build the left wing.
Plane is staying in the same orientation; small wing sub-build will be attached in step 9.4.

Step 9.1
Locate 1 white 1x2 plate, with 2 side studs sticking up. Place horizontally in front of you with stud side to the front. Locate 1 white 1x1 quarter curved tile. Standing upright, with curved side at the bottom-left, attach to the left side stud.

Step 9.2
Locate 1 transparent green 1x1 round plate, and attach to the right side stud. Locate the right 2x6 red wedge plate. Vertically, with the column of studs on the right, attach the 1 front stud to the left stud of the 1x2 plate, with 2 side studs sticking up.

Step 9.3
Locate the 2x2 white plate. Place it underneath the 2x6 wedge plate, so that it is in line behind the flat part of the 1x2 plate with 2 side studs sticking up already attached to the wedge plate. There should now be the wedge plate on the left and on the right 3 studs, that are 1 plate height lower.

Step 9.4
Locate the 1x6 red tile. Place it vertically, directly to the right of the wedge plate previously placed and both will have 3 rows of anti-studs at the back which will be used to connect the wing to the plane body. Rotate the wing 180 degrees, so that the side studs are now facing away from you. Taking the main body of the plane, in the same orientation, attach the three front rows of the wing to the 3 rows of studs on the back 4x4 modified plate. The wing on the back should now be the same level on top as the main plane body is horizontally.

Step 10
Right Wing Sub-build (4 steps)
Let's build the right wing.
Plane is staying in the same orientation; small wing sub-build will be attached in step 10.4.

Step 10.1

Locate 1 white 1x2 plate, with 2 side studs sticking up. Place horizontally in front of you with stud side to the front. Locate 1 white 1x1 quarter curved tile. Standing upright, with curved side at the bottom-right, attach to the right side stud.

Step 10.2
Locate 1 transparent red 1x1 round plate, and attach to the left side stud. Locate the left 2x6 red wedge plate. Vertically, with the column of studs on the left, attach the 1 front stud to the right stud of the 1x2 plate, with 2 side studs sticking up.

Step 10.3
Locate the 2x2 white plate. Place it underneath the 2x6 wedge plate, so that it is in line behind the 1x2 plate already attached to the wedge plate. There should now be the wedge plate on the right and on the left 3 studs, that are 1 plate height lower.

Step 10.4
Locate the 1x6 red tile. Place it vertically, directly to the left of the wedge plate previously placed and both will have 3 rows of anti-studs at the back which will be used to connect the wing to the plane body. Taking the main body of the plane, in the same orientation, attach the three front rows of the wing to the 3 rows of studs on the front 4x4 modified plate. The wing on the front should now be the same level on top as the main plane body is horizontally

Step 11
Locate 1 red 2x6 plate with rounded corners. Centered-vertically, with the flat side to the right, place it down on the 2x2 area furthest to the right on the plane body, to create the start of the tail.

Group 3: Upper Body of the Plane and Canopy

Step 12
Locate 1 light bluish-gray 1x2 plate with small short pin. Vertically, so the small short pin is to the left, place it on the left most column of studs on the plane main body. Locate the 2 light bluish-gray 1x2 modified plates with door rails. Horizontally, with one rail facing the back and one rail facing the front, place them directly to the right of the previous piece on the main body of the plane. Locate 1 yellow 2x4 plate and place it horizontally on the main body of the plane, directly to the right of the previous pieces. Locate the 2 yellow 1x3 plates. Place them horizontally, with one at the back and one at the front, directly to the right of the previous piece on the main body of the plane. To their right should be the tail piece, previously added and the main body of the plane should be level again, now 1 plate higher than the wings.

Step 13
Locate 6 red 1x2 jumper plates. With each plate vertically, starting centered-vertically on the tail, on the furthest right studs, and continue placing them side by side, to the left of the previous one, along the body of the plane. Locate 2 red 1x1 quarter curved tiles. Place them symmetrically, the front one with the curve to the front left and the back one with the curve to the back left, in front and behind the jumper plate furthest to the right on the tail. The curve of the tiles should follow the curve of the plate of the tail.

Step 14
Locate 1 red 1x2 slope brick. Horizontally, with the slope facing the left, place the slope brick on the 2 right most jumper plate studs. Locate 1 transparent light blue 1x2 plate. Horizontally, place on the 2 left most jumper plate studs.

Step 15
Locate 1 red pentagonal tile. With the point facing to the left, place on the 2x3 area furthest to the left on the main plane body. The tip of the pentagonal tile should be at the base of the small short pin where it meets the 1x2 plate. Locate 1 red 2x2 tile and place it directly to the right of the previous piece. Locate 1 red 1x2 jumper plate and place it directly to the right of the 2x2 tile.

Step 16
Locate 2 transparent light blue 1x2 tile slopes. Centered-horizontally, with one slope facing the left and one slope facing the right, put them symmetrically so that each is on 1 jumper plate stud and half of the 1x2 plate on the upper body of the plane. This creates the canopy, and should create a curve horizontally along the body of the plane.

Group 4: Wheels and Propeller

Step 17
Flip the plane upside-down, keeping the small short pin on the left and the tail on the right. Locate 1 light bluish-gray 2x2 rounded plate with wheel holder. With one wheel holder to the back and one to the front, place the 2x2 plate in the second and third columns of "anti-studs" from the left on the main body of the plane. Locate 1 black skateboard wheel. Holding vertically push down into the wheel holders of the 2x2 plate.

Step 18
Flip the plane right-side up, keeping the small short pin on the left and the tail on the right. Locate 1 black propeller. Holding vertically, with propellers standing upright, push the center hole onto the small short pin on the left side.

This completes the Red Plane! The next build is the Red Speedboat!

Build 2: Red Speedboat

This build is 38 pieces, and 15 building steps.

Sorting Instructions:

Group 1: Underside of the Speedboat - Steps 1 - 6 (stack 1 yellow 2x4 plate on top of 2 white 2x4 plates to differentiate)
Group 2: Upper Body of the Speedboat - Steps 7 - 12 (stack 2 red 1x1 round plate on top of 2 green 1x1 round plate to differentiate)
Group 3: Propeller and Canopies - Steps 13 - 15

Let's start building!

Building Instructions:

Group 1 - Underside of the Speedboat
(2x4 plates are stacked together with 1 yellow on top and 2 white on the bottom, for steps 1, 2, and 5.)

Step 1
Locate 1 white 1x4 plate and place it horizontally in front of you. Locate the 3 stacked 2x4 plates. Take the 1 yellow 2x4 plate off the top of the stack. With the 2x4 plate horizontally, place the back row of studs on top of the 1x4 plate.

Step 2
Locate the 2 stacked 2x4 plates. Take 1 of the remaining white 2x4 plates off the stack. With the 2x4 plate horizontally, place the back row of studs underneath so that they attach to the front row of the ppp.

Step 3
Locate 2 yellow 1x3 plates. With them vertically in front of you, attach the back stud of one 1x3 plate to the leftmost stud of the front row of the PPP (that we attached underneath). Then attach the second 1x3 plate symmetrically to the rightmost stud.

Step 4
Locate 1 white 1x4 plate. With the 1x4 plate horizontally, place it underneath the previously placed pieces, so that it is next to the 2x4 plate that we previously attached underneath. The leftmost and rightmost studs of the 1x4 plate should connect to the underside of the middle studs of the previously placed 1x3 plates.

Step 5
Locate the remaining 1 white 2x4 plate. With the 2x4 plate horizontally, place the back row of studs underneath so that studs 1 and 4 connect underneath to the front studs of the 1x3 plates.

Step 6
Locate 2 white 2x2 plates. Place the first 2x2 plate centered both horizontally and vertically on the build. Place the second 2x2 plate in front of the ppp.

Group 2: Upper Body of the Speedboat
(4 1x1 round plates are stacked together with 2 red on top and 2 green on the bottom, for steps 7 and 8.)

Step 7
Locate the 4 stacked 1x1 round plates. Take the 2 transparent red 1x1 round plates off the top of the stack and a red 2x4 plate. Place the 2 transparent red 1x1 round plates symmetrically on studs 1 and 4 of the back row. Place the 2x4 plate horizontally in front of the previously placed pieces.

Step 8
Locate 1 light bluish-gray 1x2 modified plate with door rail, 2 white 1x1 quarter curved tiles, 2 stacked transparent green 1x1 round plates, and 1 transparent light blue 1x2 plate. Place the 2 white 1x1 quarter curved tiles centered-horizontally on the middle 2 studs of the back row, with the curve of the 2 tiles being symmetrical (left tile has curve facing back and to the right, right tile has curve facing back and to the left). Next, still centered horizontally, place the transparent light blue 1x2 plate horizontally on the third row from the front (it will be in front of the 2x4 red plate placed in step 7). Then, still centered horizontally, place the 2 transparent green 1x1 round plates in the second row from the front, in front of the transparent light blue plate just placed. Finally, still centered horizontally, place the light bluish-gray 1x2 modified plate with door rail horizontally in the front row of studs, with the door rail facing you.

Step 9
Locate 2 white 1x4 inverted curved slopes, with a 1x1 recess underneath and a 1x2 recess on top. With them vertically, so that the slope is to the front, place them symmetrically on leftmost and rightmost studs of the front row, so that they are connected by their 1x1 recess underneath to the front row studs.

Step 10
Locate 4 red 1x2 jumper plates. With them vertically, on the leftmost column, place 1 jumper plate on studs 3 and 4 from the front and another directly behind the first, then repeat both jumper plates symmetrically on the right side.

Step 11
Locate 1 red 2x4 plate. Place it horizontally on the back 2 rows of the speedboat.

Step 12
Locate 1 red pentagonal tile, 2 red 1x6 tiles, 1 red 2x2 tile, and 2 red 1x1 quarter curved tiles. With the 2 1x6 tiles vertically, place them symmetrically on the leftmost and rightmost columns, in front of the 2x4 plate previously placed. There will be only 1 stud in front that is not covered. On the 1 stud not covered in the front row, in front of the 1x6 tiles previously placed, place the 1x1 quarter curved tiles, with the curve of the left tile facing front-left, and the curve of the right tile facing front-right. Next, place the 2x2 tile between the 2 1x6 tiles just placed, again right in front of the 2x4 plate previously placed (in step 11). Finally, place the pentagonal tile between the 2 1x6 tiles previously placed and in front of the 2x2 tile, with the point facing toward you.

Group 3: Propeller and Canopies

Step 13
Locate 1 white 1x2 plate and 2 red 1x2 jumper plates. With the 1x2 plate horizontally, place it centered-horizontally on the back row of studs. On the row just in front of the 1x2 plate, symmetrically place the 2 horizontal 1x2 jumper plates side by side.

Step 14
Locate 2 transparent light blue 1x2 tile slopes and 1 light bluish-gray 1x2 plate with small short pin. With the 1x2 plate horizontally and the pin facing back, place it centered-horizontally on the back row of studs. With the 2 1x2 tile slopes vertically, with the slope at the front, place them symmetrically so that the backs of the slopes are on the studs of the previously placed jumper plates, to create symmetrical canopies.

Step 15
Locate 1 black propeller. Place the propeller standing upright on the backwards facing pin.

This completes the Red Speedboat! The next build is the Red Jet!

Build 3: Red Jet

This build is 32 pieces, and 12 building steps.

Sorting Instructions:

Group 1: Underside of the Jet with Left and Right Wing Sub-build (2 Steps Each) - Steps 1 - 6

Group 2: Upper Body of the Jet - Steps 7 – 12 (stack yellow 2x4 plate on top of red 2x4 plate to differentiate)

Let’s start building!

Building Instructions:

Group 1: Underside of the Jet with Left and Right Wing Sub-build

Step 1
Locate 1 white 2x2 plate and 2 white 1x4 inverted curved slopes, with a 1x1 recess underneath and a 1x2 recess on top. With the inverted curved slopes vertically, slope at the back and 1x1 recess at the front, place the pieces side-by-side, on the back row of studs on the 2x2 plate.

Step 2
Locate 2 white 4x4 modified plates with the curved cutout. Placing the 4x4 modified plates symmetrically side-by-side on the front row of the previously placed 2x2 plate (connecting only by the corner), with the left plate curved cutout facing front left and the right plate curved cutout facing front right. The pieces will overhang 3 studs to the front and three studs on both the left and right sides. This creates the underside of the wings.

Step 3
Left Wing Sub-build (2 steps)
Let's build the left wing.

Step 3.1
Locate 1 white 2x4 plate, 1 white 1x4 plate, and 1 white 1x1 quarter curved tile. Place the 2x4 plate horizontally in front of you.

Step 3.2
Place the 1x4 plate horizontally on top of the back row of studs on the 2x4 plate. Next, place the quarter curved tile, with the curve to the front-left, on the left-most stud on the front row of the 2x4 plate. Then, connect the remaining 3 front row studs of the 2x4 plate to the underside of the 4x4 modified plate with the curved cutout on the left side, so the 1x4 plate is behind the 4x4 plate and the quarter curved tile is on the left side continuing the curve of the wing.

Step 4
Right Wing Sub-build (2 steps)
Let's build the right wing.

Step 4.1
Locate 1 white 2x4 plate, 1 white 1x4 plate, and 1 white 1x1 quarter curved tile. Place the 2x4 plate horizontally in front of you.

Step 4.2
Place the 1x4 plate horizontally on top of the back row of studs on the 2x4 plate. Next, place the quarter curved tile, with the curve to the front-right, on the right-most stud on the front row of the 2x4 plate. Then, connect the remaining 3 front row studs of the 2x4 plate to the underside of the 4x4 modified plate with the curved cutout on the right side, so the 1x4 plate is behind the 4x4 plate and the quarter curved tile is on the right side continuing the curve of the wing.

Step 5
Locate 1 left and 1 right 2x6 red wedge plates. Place the right wedge plate vertically with the side with 2 studs to the back. Attach to the front underside of the left 4x4 modified plate with the curved cutout. Once attached, it should now stick out 3 studs in the front. Place the left wedge plate vertically with the side with 2 studs to the back. Attach to the front underside of the right 4x4 modified plate with the curved cutout. Once attached, it should now stick out 3 studs in the front. The wedge plates should be side-by-side with the long rows of studs symmetrically together in the middle.

Step 6
Locate 1 white 2x2 plate and 1 white 1x2 plate. Place the 2x2 plate on the previously placed wedge plates, on the 2nd and 3rd row of studs from the front. Place the 1x2 plate horizontally on the previously placed wedge plates, on the front row of studs.

Group 2: Upper Body of the Jet
(2x4 plates are stacked together with yellow on top and red on the bottom, for steps 7 and 8.)

Step 7
Locate the 2 stacked 2x4 plates and take the yellow plate off the top of the stack, also locate 2 yellow 1x3 plates, and 1 red pentagonal tile. With the pentagonal tile vertically and the tip forward, place it on the front 2 rows of studs, with the pentagonal tip overhanging on the front. Next, with the 1x3 plates vertically and symmetrically, place them directly behind the pentagonal tile, covering studs in rows 3, 4, and 5 of the main body of the jet. Finally, with the 2x4 plate vertically, place it directly behind the 2 1x3 plates centered-horizontally between the wings, to continue the body of the jet down the middle columns of the build.

Step 8
Locate 1 red 2x4 plate, 1 transparent light blue 1x2 plate, 1 2x2 red tile, and 2 light bluish-gray 1x2 modified plates with door rails. Place the 1x2 plate horizontally on the first row of studs behind the pentagonal tile. Directly behind the 1x2 plate, place the vertical 2x4 plate. Then directly behind the 2x4 plate, place the 2x2 tile. Finally, with the 2 light bluish-gray 1x2 modified plates with door rails vertically and symmetrically together, the left one with the door rail to the left and the right one with the door rail to the right, place them on the final 4 studs directly behind the 2x2 tile. Continuing to build up the body of the jet down the middle columns of the build.

Step 9
Locate 2 red 1x6 tiles and 2 red 1x2 jumper plates. Place the 2 jumper plates horizontally, one in front of the other, on top of the previously placed light bluish-gray 1x2 modified plates with door rails. Then place the 2 1x6 tiles vertically directly in front of the jumper plates. (They will cover the previously placed 2x2 tile and 2x4 plate). There should still be 1 row of studs from the level below in front of the 1x6 tiles.

Step 10
Locate 2 transparent light blue 1x2 tile slopes. These will attach vertically to the row of studs in front of the 1x6 plates previously placed, sloping forward.

Step 11
Locate 1 red 1x2 slope brick. Place the brick vertically, with the slope to the front, on top of the 2 jumper plates, on the back rows of the jet's main body.

Step 12
Locate 1 red 2x6 plate with rounded corners. Centered-horizontally, with the flat edge to the back, place the middle anti-stud on top of the 1x2 slope brick previously placed.

This completes the Red Jet!

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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