

60413 Fire Rescue Plane

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Here's an impressive firefighter toy for kids aged 6 and up – the LEGO® City Fire Rescue Plane (60413) complete with realistic features, including a water drop function and 2 water element launchers. The twin-engine aircraft also has an opening rear cargo door, plus a dual cockpit, and includes pilot, extinguisher operator and jetpack firefighter minifigures, plus a wildfire scene for action-packed play.

Toy fire rescue plane – The LEGO® City Fire Rescue Plane comes with lots of features for realistic firefighting play for ages 6 plus.

What's in the box? – This emergency rescue toy playset has everything kids need to build a fire plane and wildfire scene, with pilot, extinguisher operator and jetpack firefighter minifigures.

Features for pretend play – Kids can operate the toy plane's water drop function and water element launchers and play out futuristic firefighting stories with the jetpack firefighter minifigure.

Dimensions – The model aircraft in this 478-piece building set measures over 4.5 in. (12 cm) high, 13 in. (33 cm) long and 13.5 in. (34 cm) wide.

The front of the box shows a fire rescue plane dropping water on a wildfire! There is a firefighter with a jetpack trailing the plane too!

The back of the box shows the plane parked at the airport! The firefighters are getting ready to put out fires!

The top of the box shows a real size image of a firefighter.

The build is 478 pieces in total and is for ages 6+.

Bag 1 includes the pieces for 2 firefighters and the wildfire.

Bag 2 includes the pieces for a firefighter and the fire rescue plane.

Bag 3 includes the pieces for the fire rescue plane.

Bag 4 includes the pieces for the fire rescue plane.

Bag 5 includes the pieces for the fire rescue plane.

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).

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 gray 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.

Technic brick - a brick which contains one or more holes which accept technic pins.

Lift-arms - A lift-arm is a basic structural element, similar to a brick or a plate, but usually without any studs. It is a beam with rounded ends and with holes in it, with the same spacing as the studs on a LEGO brick. lift-arms come in a variety of lengths, including a 1x1 lift-arm which looks like a cylinder. Thick lift-arms are as wide as a LEGO brick, and thin lift-arms are half as wide as a LEGO brick, but not the same thickness as a LEGO plate! The holes in a lift-arm arm may accept axles or pins. They also come in a variety of shapes, including tees, els and triangles.

Gears - A gear is a functional element. They are typically discs with teeth on the outside, there are also worm gears which look like a spiraling cylinder! Gears connected by axles transmit or even transform rotational motion!

Axle and Pin Connectors - These elements are typically smaller than lift-arms and are used to connect some combination of pins or axles. They might have pins or axles, as well as axle or pin-holes. They have a lot of different angle combinations! The simplest just connects two axles or pins together in a straight line.

Bushes/Bushings - LEGO Technic™ uses bushes largely as spacers, but they also can reduce friction between rotating parts, or can form useful elements such as handles. Bushes are typically light gray, generally cylindrical, and have an axle-hole running through the middle. They have a flange at the front and back to make them easier to pull on and off.

For builders with low vision, or a sighted building partner may want to follow along with the printed visual instructions that come with each kit, or PDF versions are always online at LEGO.com for each set: (<https://www.lego.com/en-us/service/buildinginstructions/60413>) 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 friend or family member do this in advance following the instructions below. You will see that the pieces should be sorted according to the building steps in the kit. Doing this in advance makes locating the pieces for each step 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 sorted into one or 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.

This LEGO set comes with 5 bags labeled 1 to 5, 2 sets of instructions, and some loose pieces. Sort the pieces into groups or piles as described below. Note that where there are multiple colors of the same brick in a step, the colors will be split into 2 groups to make telling the difference easier for the builder! LEGO includes a few spare parts in case you lose something. Set these into their own group away from the rest, in case you need them later.

Bag 1 - 2 Firefighters, Jetpack, and Wildfire

Group 1 - Page 4.

Group 2 - Page 5.

Group 3 - Pages 6-7.

Group 4 - Steps 1-20.

Bag 2 - Firefighter and Fire Rescue Plane

Group 5 - Page 3.

Group 6 - Steps 1-2.

Group 7 - Steps 3-18.

Group 8 - Steps 19-32.

Group 9 - Steps 33-38 and 2 yellow 1x2 plates from Step 39.

Group 10 - Rest of Step 39 and Steps 40-44.

Bag 3 - Fire Rescue Plane

Group 11 - Steps 45-58.

Group 12 - Steps 59-72.

Group 13 - Steps 73-78.

Bag 4 - Fire Rescue Plane

Group 14 - Steps 79-80.

Group 15 - Steps 81-86.

Group 16 - Steps 87-103.

Group 17 - Steps 104-118.

Group 18 - Steps 119-120.

Bag 5 - Fire Rescue Plane

Group 19 - Steps 121-133.

Group 20 - Steps 134-137.

Group 21 - Steps 138-141.

Let's get to building!

Building Instructions (Bag 1, Book 1):

Group 1 - Firefighter

Sub-build 1.1. Locate 1 black pair of legs printed with a neon stripe and tan straps, 1 black torso printed with a neon stripe, tan straps, and a red collar, 1 yellow head printed with eyes, lips, and a light brown beard, and 1 light brown hair. Assemble your minifigure then put him in front of you.

Sub-build 1.2. Let's make a part! Place a yellow helmet in front of you so the opening faces the front. Then attach a transparent visor to the front. You can switch this out with his hair if you like! Now put your minifigure away while we make another!

Group 2 - Firefighter

Sub-build 2.1. Locate 1 black pair of legs printed with a neon stripe and tan straps, 1 black torso printed with a neon stripe, tan straps, and a red collar, 1 yellow head printed with eyes, lips and a smile, and 1 black hair. Assemble your minifigure then put him in front of you.

Sub-build 2.2. Let's make a part! Place a yellow firefighter helmet in front of you so the opening faces the front. Then attach a transparent visor to the front. You can switch this out with his hair if you like! Now put your minifigure away while we make a jetpack!

Group 3 - Jetpack

1. Let's make a part! Vertically place a transparent orange 1x2 plate in front of you. Then vertically place a red 1x2 grill tile on top.

2. Horizontally place 2 dark grey 1x4 stud shooters, 1 in front of the other, underneath the ppp so the barrels face the right.

3. Flip your part upside down so it is horizontal and the barrels face the right. Now horizontally place 2 dark grey 1x2 plates with a bar on the long side, 1 in front of the other, on the 2 leftmost columns so the bars face outwards to the front and back.
4. Attach a red flag with 2 clips to the front-facing bar so it overhangs to the front and the angled side faces the right. Then repeat symmetrically to the back. Now place a red neck bracket with 2x2 side studs on top so the neck bracket is on the right.
5. Bring back your minifigure and take off his head, then attach the jetpack to him using the neck hole! Now place your head back on then insert 2 transparent blue 1x1 round plates into the stud shooters! Now put everything away while we make the wildfire!

Group 4 - Wildfire

1. Place a green 6x6 quarter circle plate in front of you so the curve faces the front left.
2. Place a dark tan 2x2 slope brick on the back left corner so it slopes to the left. Then horizontally place a light grey 1x2 brick with an axle hole on the back row to the right of the ppp.
3. Insert the axle of a dark grey pin connector with an axle into the front-facing axle hole so the pinhole faces up.
4. Place a dark green 1x1 round plate with a leaf on the back left corner so the leaf faces the left. Then place another 1 on the 2nd stud from the left of the 3rd row from the front so the leaf faces the left. Now place the left column of a dark grey 2x2 round tile with a hole in front of the ppp.
5. Horizontally place a green 1x2 sloped curved tile behind the ppp so it sits on the round plate with a leaf and slopes to the right. Now place another 1 on the back left corner so it slopes to the right.
6. Horizontally place a dark grey 2x4 brick on the back right corner so it overhangs 2 columns to the right.
7. Place the back left corner of a green 6x6 quarter circle plate underneath the overhang so the curve faces the front right.
8. Vertically place a light grey 1x2 brick with an axle hole on the back 2 rows on the 4th column from the right. Then insert the axle of a dark grey pin connector with an axle into the right-facing axle hole of the ppp so the pinhole faces up.
9. Place a dark tan 2x2 slope brick on the 3rd and 4th rows from the front, to the right of the 1x2 sloped curved tile and 2x2 round tile with a hole so it slopes to the left.
10. Place a dark grey 2x2 brick to the right of the ppp. Now horizontally place a dark grey 2x4 slope brick to the right of the ppp so it slopes to the right.
11. Place a dark tan 2x2 slope brick on the front 2 rows so it is centered horizontally and slopes to the front.

12. Horizontally place a dark grey 1x2 slope brick on the back row to the right of the 1x2 sloped curved tile so it slopes to the left.

13. Place a dark green 1x1 round plate with a leaf on top of the ppp so the leaf faces to the left. Then vertically place a dark grey 1x2 slope brick in front of the ppp so it slopes to the front.

14. Vertically place a green 1x2 sloped curved tile on top of the 2 ppp so it slopes to the front.

15. Horizontally place a dark grey 1x2x2 brick on the back row to the right of the ppp.

16. Place a dark grey 2x2x2 slope brick in front of the ppp so it slopes to the front. Now place another 1 on the back 2 rows to the right of the ppp so it slopes to the right.

17. Place a dark grey 2x2 round tile with a hole on the back 2 rows on top of the 2 ppp. Then place 1 on the 2nd and 3rd rows from the front so it is centered horizontally.

18. Attach the pin of a thick brown curved bar with a pin into the left top-facing hole so the bar faces the left. Then repeat symmetrically to the right.

19.1. Let's make 2 identical parts! Horizontally place a green 5x6 leaf plate in front of you so the singular end stud faces the right. Now place a light green 1x1 plate with 3 leaves on the back left corner so the leaves face the back. Then repeat symmetrically to the front. Now place 1 on the rightmost column so the leafs face the back. Now place a green stem on top of the 5x6 leaf plate so it is centered.

19.2. Now you should have 2 identical parts! Vertically place 1 on the thick curved bar that is on the left so the singular end stud faces the front. Make sure it is centered on it, then push down on the stem to secure it into place. Then horizontally place the other part on the thick curved bar that is on the right so the end stud faces the right. Make sure it is centered on it, then push down on the stem to secure it into place.

20.1. Let's make 3 identical parts! Place a transparent orange 2x2 inverted round tile with a rounded bottom in front of you. Now place a transparent orange flame on the back left corner and front right corner.

20.2. Now you should have 3 identical parts! Place each of them on top of each of the 2x2 round tiles with a hole so they are centered on them! Now the forest is on fire! Now put away your build while we make the next part!

Building Instructions (Bag 2, Book 2):

Group 5 - Firefighter

Sub-build 3.1. Locate 1 black pair of legs printed with a neon stripe and tan straps, 1 black torso printed with a neon stripe, tan straps, and a red collar, 1 yellow head printed with eyes, lips, and transparent orange glasses, and 1 light brown hair. Assemble your minifigure then put her in front of you.

Sub-build 3.2. Let's make a part! Place a yellow helmet in front of you so the opening faces the front. Now attach a transparent visor to the front. You can switch this out with his hair if you like! Now put your minifigure away while we make the fire rescue plane!

Group 6 - Fire Rescue Plane

1. Horizontally place a 6x8 plate with inverted sloped sides, a round side and pinholes in front of you so the round side faces the right.
2. Horizontally place a yellow 1x2 plate on the front row of the 3rd and 4th columns from the right. Then repeat symmetrically to the back.

Group 7 - Fire Rescue Plane

3. Horizontally place a transparent blue 1x2 plate on top of each of the 2 ppp.
4. Insert a black 2L pin into the front left-facing pinhole. Then repeat symmetrically to the back.
5. Horizontally attach the pinholes of a black 6x8 plate with inverted sloped sides to the left-facing pins so it is centered vertically.
6. Horizontally place 2 tan 1x12 plates, 1 in front of the other, to the right of the leftmost column so they are centered vertically.
7. Vertically place a red 1x2 grill tile on the 4th column from the right so it is centered vertically. Then place a white 2x2 tile with 2 studs to the left so it is centered vertically and the studs are on the left.
8. Vertically place a yellow 3x6 plate with a round side and a 1x2 gap on the 3 rightmost columns so it is centered vertically and the round side faces the right. Then vertically place a black 1x2 plate with an upright bar on the long side on the 3rd column from the right so it is centered vertically and the bar faces the left.
9. Vertically place a blue 1x2 tile with a top-facing bar on the 7th column from the right so it sits to the left of the 2x2 tile with 2 studs and is centered vertically and it slopes to the right. Now place a short black 2x2 ridged brick to the left.
10. Place a white 2x2 slope brick printed with buttons and dials on the 2nd and 3rd columns from the right so it is centered vertically and slopes to the left.
11. Horizontally place a yellow 2x6 plate on the front 2 rows to the left of the 3x6 plate with a round side that is on the right. Then repeat symmetrically to the back.
12. Place a black bar holder with a clip on top of the top-facing bar that is on the 4th column from the right so the clip hands are on the left and right. Now vertically place a black bucket handle on top of the clip so it faces up.
13. Place a white 2x2 slope brick printed with buttons and dials on the 8th and 9th columns from the left so it is centered vertically and slopes to the left. Then horizontally place the 2 leftmost columns of a dark grey 1x3 brick in front of the ppp. Then repeat symmetrically to the back.

14. Horizontally place a black 1x2 plate with a stud and a clip on the 2nd row from the front, to the right of the previous 1x3 brick so the clip is on the left. Then attach a bar with a pulley to the clip so it faces the top right.

15. Place a white 2x2 tile with 2 studs on the 6th and 7th columns from the left so it is centered vertically and the studs are on the left. Then place a short white 1x1 brick in front of the right column of the ppp. Then repeat symmetrically to the back.

16. Vertically place a light grey 1x2 plate with a socket on the short side on the back 2 rows on top of the ppp so the socket faces the back. Now place a dark grey 1x1 plate with an upright double-sided stud on the back row to the left of the ppp so the double-sided stud is in the back. Then place a light grey 1x1 round brick in front of the ppp. Now repeat everything symmetrically to the front.

17. Horizontally place a light grey 1x2 tile printed with buttons and a joystick on the 2nd row from the front, on the 6th and 7th columns from the left. Then repeat symmetrically to the back.

18. Place a short white 1x1 brick on the 2nd column from the left and 2nd row from the front. Now horizontally place a dark grey 1x3 brick to the right of the ppp. Then repeat both parts symmetrically to the back.

Group 8 - Fire Rescue Plane

19. Place a red 2x2 sloped curved tile on the 2 leftmost columns so it is centered vertically and slopes to the left. Then vertically place a tan 1x2x1 panel with 3 walls to the right so the long wall faces the right. Now place a white 2x2 half cone brick to the right.

20. Place a transparent 1x1 round tile on the 2nd row from the front on the 4th column from the left. Then repeat symmetrically to the back.

21. Horizontally place a yellow 1x4 plate on the front row on the 2nd, 3rd, 4th, and 5th columns from the left. Then repeat symmetrically to the back.

22.1. Let's make 2 identical parts! Place a black 2x2 round brick with 2 pinholes in front of you so the pinholes face the left and right. Now insert a black 2L pin into each of the pinholes.

22.2. Now you should have 2 identical parts! Attach the pin of 1 to the front left-facing hole so the other pin faces the left. Then repeat symmetrically to the back.

23. Attach the pinholes of a black 8x8 plate with 1x2 inverted slopes on the corners to the left-facing pins so it is centered vertically and slopes to the front and back.

24. Place a short white 1x1 brick on the 3rd row from the front on the 7th column from the left. Then repeat symmetrically to the back.

25. Horizontally place the leftmost column of a black 1x6 tile on top of each of the 2 ppp.

26. Place a light grey 1x1 round brick to the left of each of the 2 ppp. Then horizontally place the leftmost column of a light grey 2x3 sloped curved brick in between the 2 ppp so it slopes to the right.

27. Horizontally place a teal 1x6 plate on the 2nd row from the front to the right of the leftmost column. Then repeat symmetrically to the back.

28. Insert a black 2L pin into each of the left-facing pinholes.

29. Horizontally place a black 1x8 plate underneath the front row of the 2nd - 7th columns from the left so 1 column is exposed to the left, and 1 column is exposed to the right. Then horizontally place a black 1x4 inverted sloped curved brick on the rightmost column of the ppp so it slopes and overhangs 3 columns to the right. Now repeat both parts symmetrically to the back.

30. Horizontally place a black 1x4 inverted sloped curved brick on the front left corner so it slopes and overhangs 3 columns to the left. Then repeat symmetrically to the back.

31. Horizontally place a light grey 1x10 plate on the front row on the 3rd - 12th columns from the left. Then repeat symmetrically to the back.

32. Horizontally place the leftmost column of a yellow 2x6 plate on the front 2 rows on the 9th column from the left. Then repeat symmetrically to the back.

Group 9 - Fire Rescue Plane

33. Horizontally place a red 1x4 plate on the 2nd row from the front to the left of the ppp. Then repeat symmetrically to the back.

34. Horizontally place a yellow 1x2 plate on the front left corner. Then horizontally place a dark grey 1x2 plate with 2x4 side studs hanging down to the right so the side studs face the front. Now horizontally place a yellow 1x2 plate to the right. Then horizontally place a dark grey 1x2 plate with 2x4 side studs hanging down to the right so the side studs face the front. Now repeat everything symmetrically to the back.

35. Horizontally place a red 1x4 plate on the front row on the 7th, 8th, 9th, and 10th columns from the left. Then horizontally place a red 2x3 tile on the front 2 rows to the right of the ppp. Then place a red 1x1 plate with a side stud hanging down on the front row to the right of the ppp so the side stud faces the right. Now repeat everything symmetrically to the back.

36.1. Let's make a part! Vertically place a red 6x8x4 airplane tail in front of you so the taller side is on the left. Then place a light grey 1x2 tile on the 2nd column from the right so it is centered vertically. Then place a white 1x1 plate with a clip in front of the ppp so the clip faces the left. Then repeat symmetrically to the back. Now place a teal 1x1 round plate on top of each of the 2 ppp.

36.2. Attach the right-facing pinholes of your part to the 2 left-facing pins of the main build so it is centered vertically.

37. Horizontally place a tan 2x3 plate on the 2nd and 3rd rows from the front, to the right of the opening of the ppp. Then repeat symmetrically to the back.

38. Place a red 2x2 slope brick in between the 2 rightmost columns of the 2 ppp so it slopes to the left.

39.1. Horizontally place a yellow 1x2 plate on the 2nd row from the front, to the right of the wall of the 6x8x4 airplane tail. Then repeat symmetrically to the back.

Group 10 - Fire Rescue Plane

39.2. Horizontally place a red 1x2 plate on top of each of the 2 ppp.

40. Horizontally place a red 1x4 brick on the 2nd row from the front, to the right of the ppp. Then place a light grey 1x1 round brick to the right of the ppp. Then repeat both parts symmetrically to the back.

41. Horizontally place a light grey 1x4x2 panel on the 3rd row from the back, in front of the 2 ppp, so the wall faces the back. Then repeat symmetrically to the front.

42. Horizontally place a red 1x10 sloped curved brick on the front left corner so it slopes to the left. Make sure there is no overhang. Then horizontally place a red 1x2 grill tile on top of the ppp. Now repeat both parts symmetrically to the back.

43. Vertically place a red 2x6 brick in between the 1x2 grill tiles from the previous step.

44. Place a transparent 1x1 round tile upright on the right-facing side stud that is on the front row. Then repeat symmetrically to the back.

Building Instructions (Bag 3, Book 2):

Group 11 - Fire Rescue Plane

45. Vertically place a light grey 1x2 plate with 2 angled studs to the left of the 1x2 tiles that are on the 10th and 11th columns from the right so it is centered vertically and the angled studs are on the right. It should sit on the 2x2 half cone brick! Now place a teal 1x1 round plate on the front and back rows of the ppp.

46. Place a light grey 1x1 round brick to the left of the 1x1 round tile that is to the left of the ppp. Then repeat symmetrically to the back.

47. Place a red 1x1 slope tile on the front row to the left of the right-facing 1x1 round tile so it slopes to the right. Then repeat symmetrically to the back.

48.1. Let's make a part! Place a dark grey 4x4 plate with a 2x2 gap in front of you. Then vertically place a yellow 1x2 plate on the rightmost column so it is centered vertically.

48.2. Place a blue 2x2 plate on the front right corner so it overhangs 1 row to the front. Then repeat symmetrically to the back.

48.3. Horizontally place a yellow 1x2 plate on the front left corner. Then repeat symmetrically to the back. Now vertically place a red 1x2 plate with an upright bar on the long side on the leftmost column so it is centered vertically and the bar faces the left.

48.4. Place a light grey 2x2 corner tile with a cutoff corner on the front left corner so the cutoff corner faces the front left. Repeat symmetrically to the back. Now repeat both parts symmetrically to the right.

48.5. Rotate your part 180 degrees. so the 2x2 plates are on the left. Now vertically place your part to the left of the 1x1 round bricks that are on the 14th column from the right so it is centered vertically and doesn't attach to any studs.

49.1. Let's make 2 identical parts! Horizontally place a red 1x2 plate with a bar on the long side in front of you so the bar faces the front. Now place a red 2x2 tile on top so it overhangs 1 row to the back.

49.2. Now you should have 2 identical parts! Place 1 part on the front 2 rows, to the left of the 1x1 slope tile that is on the front row so the 1x2 plate with a bar is in the front. Then repeat symmetrically to the back.

50. Attach a white rubber band to the 1x1 round plates that are on the 12th column from the right and the bar that is to the left.

51. Vertically place a blue 1x2 tile with a top-facing bar in the middle of the rubberband so it is centered vertically and slopes to the right. Now horizontally place a red 1x10 brick on the front row on the 7th - 16th columns from the right. It should sit to the right of a 2x2 tile. Then repeat symmetrically to the back.

52. Vertically place a black 1x2x2 window frame on the 8th column from the right so it is centered vertically. Then place the left column of a red 2x2 brick in front of the ppp. Then repeat symmetrically to the back.

53. Vertically place a red 1x2 slope tile on the back 2 rows to the left of the ppp so it slopes to the left. Then horizontally place a red 1x2 grill tile on the back row to the left of the ppp. Now repeat both parts symmetrically to the front.

54. Vertically place a red 1x2 slope tile on the front 2 rows to the left of the ppp so it slopes to the right. Then repeat symmetrically to the back.

55. Horizontally place a red 2x3x2 cabinet on the back 2 rows to the left of the ppp so the opening faces the back. Now attach a dark grey cabinet door to the back-facing side of the ppp so it opens to the right. Then repeat both parts symmetrically to the front.

56. Horizontally place a red 1x10 plate to the left of the front row of the 2x3x2 cabinet that is in the front. Then repeat symmetrically to the back.

57. Vertically place a red 2x3 stair plate on the front 3 rows on the 7th and 8th columns from the right so the lower side is in the front. Then horizontally place a red 1x2 slope tile on the front row of the ppp so it slopes to the back. Then repeat both parts symmetrically to the back.

58. Vertically place a black 1x4 tile with 2 studs on the rightmost column of the previous 2x3x2 cabinets so it is centered vertically.

Group 12 - Fire Rescue Plane

59.1. Let's make a part! Vertically place a yellow 1x4 plate in front of you. Then vertically place a white 1x2 plate with 2x2 side studs hanging down on top so it is centered vertically and the side studs face the left. Now place 2 black 1x1 plates with a tooth, 1 in front of the other, upright on the bottom row of left-

facing side studs so the teeth face down. Now place a tan 2x2 sloped curved tile upright on the left-facing side studs so it slopes up.

59.2. Vertically place your part on top of the 2x3x2 cabinets to the left of the 1x4 tile with 2 studs so it is centered vertically and the 2x2 sloped curved tile faces the left.

60. Vertically place a transparent blue 1x2 plate on top of the ppp so it is centered vertically. Now horizontally place the left column of another 1 in front of the ppp. Then repeat symmetrically to the back.

61. Vertically place 2 red 1x1 tiles with a 1x1 slope tile, 1 to the right of the other, on the back 2 rows on top of the ppp so they slope to the back. Then repeat symmetrically to the front.

62. Horizontally place a white 1x8 brick to the left of the back row of the 2x3x2 cabinet that is in the front. Then repeat symmetrically to the back.

63. Place a light grey 1x1 round brick to the left of each of the 2 ppp. Then place a teal 1x1 round plate to the left of each of the 2 ppp.

64. Vertically place a yellow 1x4 plate on top of the 2 ppp so it is centered vertically. Then place a teal 1x1 round plate on the front and back rows of the ppp.

65. Horizontally place the leftmost column of a black 2x8 sloped curved brick on top of the 1x4 plate from the previous step so it is centered vertically and slopes to the right.

66. Place a dark grey 1x1x2 brick with 2 side studs to the left of the front row of the 2x3x2 cabinet that is in the front so the side studs face the front. Now vertically place a red 1x2 slope tile upright on the front-facing side studs of the ppp so it slopes to the right. Then repeat both parts symmetrically to the back.

67. Place 4 blue 1x2 plates with a 1x2 inverted sloped curved brick, 1 to the right of the other, on the back 2 rows to the left of the ppp so they slope to the back. Then repeat symmetrically to the front.

68. Horizontally place a white 1x8 brick on the back row of the 4 ppp. Then repeat symmetrically to the back.

69. Horizontally place 2 blue 1x4 plates with a 1x4 sloped curved brick, on the back 2 rows on top of the ppp so they slope to the back. Then repeat symmetrically to the front.

70. Horizontally place a white 1x8 brick behind the 2 ppp and 1x1x2 brick with 2 side studs that is to the right. Then repeat symmetrically to the back.

71. Horizontally place a white 1x2 brick on the 3rd row from the back, to the left of the ppp. Then vertically place the back row of a black 1x4x3 panel to the left of the ppp so it is centered vertically and the wall faces the right.

72. Place a dark grey 1x1x2 brick with 2 side studs on the 2nd row from the front, on the column to the right of the ppp so the side studs face the front. Now place a red 1x2 slope tile upright on the front-facing side studs of the ppp so it slopes to the left. Then repeat both parts symmetrically to the back.

Group 13 - Fire Rescue Plane

73. Stack 2 red 1x1 bricks with a side stud and bottom lip on the 2nd row from the back, to the left of the ppp so the side studs face the back. Then place a dark grey 1x1 round tile printed with a compass upright on each side stud of the 2 ppp. Then repeat everything symmetrically to the front.

74. Horizontally place a red 1x2x2 panel printed with 05 in white on the 2nd row from the front, to the left of the ppp so the wall faces the front. Then repeat symmetrically to the back.

75. Let's make a part! Horizontally place a tan 1x2 brick with 2 side studs in front of you so the side studs face the back. Now place a teal 2x2 tile upright on the back-facing side studs so 1 row overhangs to the top.

76. Horizontally place your part to the right of the front row of the 1x4x3 panel that is on the 5th column of studs from the left so the tile faces the back.

77. Vertically place a dark grey 1x2 sloped curved brick on the 1x4x3 panel that is to the left of the ppp so it is centered vertically and slopes to the right.

78. Horizontally place the leftmost column of a red 2x4 slope brick in front of the ppp so it slopes to the front. Then horizontally place a red 1x8 tile to the right of the back row of the ppp. Then repeat both parts symmetrically to the back.

Building Instructions (Bag 4, Book 2):

Group 14 - Fire Rescue Plane

79.1. Let's make a part! Horizontally place a dark grey 1x8 tile with 4 studs, angled sides and a hinge connector in front of you so the hinge connector faces the right. Then attach a dark grey hinge with an axle connector to the right-facing hinge connector so the axle hole faces the right. Now insert a flexible light grey 10L ridged hose to the right-facing axle hole.

79.2. Horizontally place your part upright on the 8 front-facing side studs, then attach the right-facing side of the hose to the left-facing side stud of the double sided stud that is in the front and to the right. Make sure the axle hole of the axle hole with a hinge faces the right.

80.1. Let's make a part! Horizontally place a dark grey 1x8 tile with 4 studs, angled sides and a hinge connector in front of you so the hinge connector faces the left. Then attach a dark grey hinge with an axle connector to the left-facing hinge connector so the axle hole faces the left. Now insert a flexible light grey 10L ridged hose to the left-facing axle hole.

80.2. Rotate your main build 180 degrees. Now horizontally place your part upright on the 8 front-facing side studs, then attach the right-facing side of the hose to the right-facing side stud of the double sided stud that is in the front and to the left. Make sure the axle hole of the axle hole with a hinge faces the left

Group 15 - Fire Rescue Plane

81. Let's make a part! Let's make a wing! Horizontally place a black 6x12 wedge plate in front of you so the angled side faces the front and the short side faces the left.

82. Horizontally place 2 red 1x2 slope tiles, 1 to the right of the other, on the back right corner so they slope to the back. Then horizontally place a red 1x4 plate to the left of the 2 ppp.

83. Place a transparent 1x1 slope tile on the back row to the left of the ppp so it slopes to the back. Then horizontally place the leftmost column of a yellow 2x6 plate in front of the ppp.

84. Horizontally place a tan 1x2 brick with an axle hole on the back row so it is centered horizontally. Then vertically place a black 1x2 brick to the right of the ppp so there is no overhang.

85. Horizontally place a tan 1x2 brick with an axle hole in front of the previous 1x2 brick with an axle hole. Now vertically place a black 1x2 brick on the back 2 rows to the left of the ppp.

86. Place a short black 2x2 ridged brick on the back 2 rows on top of the 1x2 bricks with an axle hole.

Group 16 - Fire Rescue Plane

87. Horizontally place 2 red 1x2 slope tiles, 1 to the right of the other, on the 4 rightmost columns on the 3rd row from the front so they slope to the front. Then horizontally place a red 1x4 plate to the left of the 2 ppp. Then place a red 1x1 slope tile to the left of the ppp so it slopes to the front.

88. Horizontally place a white 1x2 tile with an overhead bar in front of the short 2x2 ridged brick that is on the back 2 rows so it is centered horizontally and it slopes to the front. Now horizontally place a red 2x4 trapezoid plate on the front row, in front of the 1x4 plate so the short side overhangs to the front.

89. Horizontally place a short black 2x2 brick with 1x3 angled bricks in front of the 1x2 tile with an overhead bar so it is centered horizontally and the short side faces the front. The 1x2 tile with an overhead bar should sit in between the back row of the ppp. Then place a blue 2x2 plate on top of the ppp.

90. Horizontally place a red 1x2 brick with a pin on the front row in front of the ppp so the pin faces the front. Now attach a light grey cylinder with a ridged side to the front-facing pin so the ridged side faces the front.

91. Vertically place a red 4x6 sloped curved brick behind the ppp so it is centered horizontally and slopes to the front.

92. Horizontally place a black 4x9 plate with angled sides on the 3 leftmost columns so 1 row overhangs to the front and the angled side overhangs 6 columns to the left.

93.1. Let's make a part! Vertically place a black 1x2 plate with a 1x4 cylinder in front of you so the cylinder is on the left. Now place a transparent red 1x1 round plate upright on the front-facing side of the cylinder. Then repeat symmetrically to the back. Now place a red 2x2 sloped curved tile on top so it slopes and overhangs 1 column to the right.

93.2. Vertically place your part on the 2 leftmost columns so it is centered vertically and the cylinder is on the left.

94. Horizontally place 2 red 1x8 tiles, 1 in front of the other, to the right of the 2x2 sloped curved tile from the ppp.

95.1. Let's make a part! Horizontally place a dark tan 4L axle with a stud in front of you so the stud faces the left. Now place a light grey 1x1 round tile upright on the left-facing stud.

95.2. Attach a black ridged disk with an axle hole into the right-facing side of the axle so it goes all the way to the left.

95.3. Attach a black wheel with 2x2 studs into the right-facing side of the axle so it goes all the way to the left and the studs face the left.

95.4. Rotate your wing 180 degrees, then insert the axle of your part into the front-facing axle hole.

96. Place a red 4x8 plate with sloped sides and 2 2x6 plates underneath the 2 leftmost column so it is centered vertically and slopes to the left and right.

Group 17 - Fire Rescue Plane

97. Let's make a part! Let's make another wing! Horizontally place a black 6x12 wedge plate in front of you so the angled side faces the front and the short side faces the right.

98. Horizontally place 2 red 1x2 slope tiles, 1 to the right of the other, on the back left corner so they slope to the back. Then horizontally place a red 1x4 plate to the right of the 2 ppp.

99. Place a transparent 1x1 slope tile on the back row to the right of the ppp so it slopes to the back. Then horizontally place the rightmost column of a yellow 2x6 plate in front of the ppp.

100. Horizontally place a tan 1x2 brick with an axle hole on the back row so it is centered horizontally. Then vertically place a black 1x2 brick to the left of the ppp so there is no overhang.

101. Horizontally place a tan 1x2 brick with an axle hole in front of the previous 1x2 brick with an axle hole. Now vertically place a black 1x2 brick on the back 2 rows to the right of the ppp.

102. Place a short black 2x2 ridged brick on the back 2 rows on top of the 1x2 bricks with an axle hole.

Group 18 - Fire Rescue Plane

103. Horizontally place 2 red 1x2 slope tiles, 1 to the right of the other, on the 4 leftmost columns on the 3rd row from the front so they slope to the front. Then horizontally place a red 1x4 plate to the right of the 2 ppp. Then place a red 1x1 slope tile to the right of the ppp so it slopes to the front.

104. Horizontally place a white 1x2 tile with an overhead bar in front of the short 2x2 ridged brick that is on the back 2 rows so it is centered horizontally and it slopes to the front. Now horizontally place a red 2x4 trapezoid plate on the front row, in front of the 1x4 plate so the short side overhangs to the front.

105. Horizontally place a short black 2x2 brick with 1x3 angled bricks in front of the 1x2 tile with an overhead bar so it is centered horizontally and the short side faces the front. The 1x2 tile with an overhead bar should sit in between the back row of the ppp. Then place a blue 2x2 plate on top of the ppp.

106. Horizontally place a red 1x2 brick with a pin on the front row in front of the ppp so the pin faces the front. Now attach a light grey cylinder with a ridged side to the front-facing pin so the ridged side faces the front.

107. Vertically place a red 4x6 sloped curved brick behind the ppp so it is centered horizontally and slopes to the front.

108. Horizontally place a black 4x9 plate with angled sides on the 3 rightmost columns so 1 row overhangs to the front and the angled side overhangs 6 columns to the right.

109.1. Let's make a part! Vertically place a black 1x2 plate with a 1x4 cylinder in front of you so the cylinder is on the right. Now place a transparent red 1x1 round plate upright on the front-facing side of the cylinder. Then repeat symmetrically to the back. Now place a red 2x2 sloped curved tile on top so it slopes and overhangs 1 column to the left.

109.2. Vertically place your part on the 2 rightmost columns so it is centered vertically and the cylinder is on the right.

110. Horizontally place 2 red 1x8 tiles, 1 in front of the other, to the left of the 2x2 sloped curved tile from the ppp.

111.1. Let's make a part! Horizontally place a dark tan 4L axle with a stud in front of you so the stud faces the left. Now place a light grey 1x1 round tile upright on the left-facing stud.

111.2. Attach a black ridged disk with an axle hole into the right-facing side of the axle so it goes all the way to the left.

111.3. Attach a black wheel with 2x2 studs into the right-facing side of the axle so it goes all the way to the left and the studs face the left.

111.4. Rotate your wing 180 degrees, then insert the axle of your part into the front-facing axle hole.

112. Horizontally place the 2 leftmost columns of your part on the 2 leftmost columns of your previous part so it is centered vertically and overhangs to the left.

113. Horizontally place 2 light grey 1x10 plates, 1 in front of the other, on the 3rd and 4th rows from the front so they are centered horizontally.

114. Place a blue 2x2 plate on the front 2 rows so it is centered horizontally. Now vertically place a red 1x2 plate to the left of the ppp. Then repeat symmetrically to the right.

115. Vertically place a black 2x3 tile with 2 clips on the short side on the back 3 rows so it is centered horizontally and the clips face the back. Then place a black 2x2 sloped curved tile in front of the ppp so it slopes to the back.

116. Place a black 2x2 sloped curved tile on the front row so it is centered horizontally and slopes and overhangs to the front. Now horizontally place 2 black 1x4 tiles with 2 studs, 1 in front of the other, behind the ppp so they are centered horizontally.

117. Vertically place 2 red 1x4 sloped curved bricks, 1 in front of the other, on the leftmost column of the 2 ppp so they slope outwards to the front and back, and overhang 2 rows to the front. Then repeat symmetrically to the right.

118. Horizontally place a red 2x4 tile on the 2nd and 3rd rows from the front, to the right of the 2 ppp. It should sit in between the 1x2 slope tiles! Then repeat symmetrically to the left.

Group 19 - Fire Rescue Plane

119.1. Let's make a part! Place a black 2x2 round tile with a stud in front of you. Now place a transparent blue 1x1 round plate on top. Then vertically place 2 black 1x2 plates with 2 bars on the short sides, 1 to the right of the other, underneath the part.

119.2. Vertically attach the front-facing bars of your part to the back-facing clips so it is centered horizontally.

120. Bring back your main build so it is horizontal and the 6x8x4 plane tail is on the right. Then rotate your part so it is vertical and the 2x2 round tile with a stud is on the right. Now vertically place the 2 leftmost columns of your part on the 1x1 tiles with a 1x1 slope tiles that are on top of the 2x3x2 cabinets and on the 13th and 14th columns from the left so it is centered vertically.

Building Instructions (Bag 5, Book 2):

Group 20 - Fire Rescue Plane

121. Let's make a part! Horizontally place a black 2x6 plate in front of you. Then vertically place a transparent blue 1x2 plate on the rightmost column.

122. Vertically place a red 1x4 plate on the 2nd column from the right so it is centered vertically.

123. Vertically place 2 red 1x2 plates with a stud and a clip, 1 to the right of the other, on the front row to the left of the ppp so the clips overhang 1 row to the front. Then repeat symmetrically to the back.

124. Vertically place a red 1x4 plate on the 2nd column from the left so it is centered vertically.

125. Horizontally place a red 6x8x4 sloped curved plane cockpit on the leftmost column so it is centered vertically and slopes to the left. Now flip your part upside down so the cockpit is on the left. Then vertically attach a cockpit windshield to the windows of the cockpit so the tab faces the left. It should click into place!

126. Flip your part over so it is right side up, horizontal, and slopes to the left. Now horizontally place a black 2x6 tile on the 6 rightmost columns so it is centered vertically.

127. Horizontally place the leftmost column of your part on the leftmost column of the main build so it is centered vertically and slopes to the left.

128. Horizontally attach a black bar grill with rounded parts to the clips on the front row of the ppp so it hangs down the front and the rounded parts overhang to the front. Then repeat symmetrically to the back.

129. Horizontally place a red 1x8 plate on the front right corner so the 2 leftmost columns sit on a 1x2x2 panel. Then repeat symmetrically to the back.

130.1. Let's make a part! Horizontally place a red 4x6 angled plate with inverted sloped curved sides in front of you so the short side faces the right. Now place 2 short black 2x2 ridged bricks, 1 to the right of the other, on the 4 leftmost columns so they are centered vertically.

130.2. Horizontally place your part on the 2 rightmost columns so it is centered vertically and slopes and overhangs 4 columns to the right.

131. Horizontally place the 2 rightmost columns of a red 6x8 plate with sloped sides on the 2 leftmost columns of the ppp so it is centered vertically and slopes to the front and back.

132. Vertically place a red 2x4 trapezoid plate on the 9th and 10th columns from the right so it is centered vertically and the short side faces the right.

133. Horizontally place a red 1x8 tile to the left of the front row of the ppp. Then repeat symmetrically to the back. Now vertically place a black 1x2 tile with a round side in between the rightmost column of the 2 ppp so the round side faces the right. Then vertically place a black 1x2 jumper plate to the left of the ppp.

Group 21 - Fire Rescue Plane

134.1. Let's make a part! Horizontally place a black 4x6 plate with 2 bars in front of you so the bars are on the left. Now place a light grey 1x2 plate with a bar on the long side on the rightmost column so it is centered vertically and the bar faces the right.

134.2. Place a yellow 1x1 tile on the front right corner. Then horizontally place a yellow 1x4 tile to the left of the ppp. Then repeat both parts symmetrically to the back.

134.3. Place a red 2x2 sloped curved tile on the 2 rightmost columns so it slopes to the left.

134.4. Flip your main build upside down so it is horizontal and the cockpit faces the right. Now horizontally attach the bars of your part to the 2 left-facing clips so the studs face up. Now push it down so the back of the plane is closed! This is the cargo hold!

135.1. Place a light grey pin with a side stud and 2 smaller pins on the top-facing pinhole that is on the rightmost column of anti-studs so the side stud faces the right. Now place a transparent 1x1 round tile upright on the right-facing side stud.

135.2. Attach a light grey wheel to the front-facing and back-facing small pins of the piece from the previous step. Then attach a black tire to each of the 2 ppp.

136.1. Let's make 2 identical parts! Place a light grey 2x2 plate with an angled part with 2 small pins in front of you so the studs face down and the pins are on the right and face the front and back.

136.2. Attach a light grey axle wheel to the front-facing and back-facing small pins of the ppp. Then attach a black tire to each of the 2 ppp.

136.3. Now you should have 2 identical parts! Place 1 on the front 2 rows of the 4th and 5th columns of anti-studs from the left so the wheels are on the right. The right column of your part should align with the leftmost front-facing side stud. Then repeat symmetrically to the back.

137.1. Let's make 2 identical parts! Place a black 2x2 plate with a ball and bar in front of you so the ball faces the left. Then horizontally place 2 dark grey 1x4 stud shooters, 1 in front of the other, on top so the barrels overhang 2 columns to the right.

137.2. Vertically place a red 1x2 slope tile on top so it slopes to the left. Now flip your part upside down so the ball faces the left.

137.3. Now you should have 2 identical parts! Attach the ball of 1 part to the front-facing socket that is to the right of the hose so the anti-studs face up and the barrels face the front. Then repeat symmetrically to the back.

Group 22 - Fire Rescue Plane

138.1. Let's make 2 identical parts! Horizontally place a black 4x9 plate with angled sides in front of you so the angled sides face the right. Then vertically place a red 2x4 trapezoid plate on the 2nd and 3rd columns from the left so the short side faces the right.

138.2. Now you should have 2 identical parts! Flip your main build over so it is right side up and the cockpit faces the left. Now vertically place 1 part on the front row of the 4 rightmost columns so the angled side overhangs to the front. Then repeat symmetrically to the back.

139.1. Let's make a part! Horizontally place a red 2x8 tile with a plane tail printed with a dark grey shield with a red flame in front of you so the studs are on the right. Now vertically place a black 1x2 jumper plate on the rightmost column. Then place a transparent 1x1 round tile on top of the jumper. Now horizontally place a black 2x3 pentagonal tile to the left so the angled side overhangs to the left.

139.2. Horizontally place your part on the 8 rightmost columns so it is centered vertically and the tail faces the right.

140. Locate 8 transparent blue 1x1 round plates. Load these into the front-facing and back-facing stud shooters by inserting in upright. It is water to shoot at the fires!

141. Locate 6 transparent blue 2x2 round bricks. Lift up the 2x2 round tile with a stud that is 6 columns to the left of the previous 2x8 tile with a plane tail. You can load the 2x2 round bricks into this compartment, then you can move the front-facing bar that is above the front-facing hose to let them loose on the fire!

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