

75413 Republic Juggernaut

Adapted by Arturo Moncada-Torres and tested by Peter Durieux.

Let kids lead their own heroic Star Wars: The Clone Wars™ battle missions with the Republic Juggernaut buildable transport vehicle toy (75413). A cool LEGO® Star Wars™ gift for boys, girls and fans aged 9 and up, this impressive 10-wheeler is steered by simply tilting the model as you move it, and it has easy access to the detailed interior. The set includes 5 LEGO Star Wars minifigures: Ki-Adi-Mundi with a Lightsaber™, and Commander Bacara and 3 Galactic Marines, each with blasters, plus 3 Battle Droid LEGO figures with blasters. Place the LEGO minifigures in the front and rear cockpits, the main compartment (which has seating and weapon racks), on the elevating observation post and in the rear turret with a stud shooter.

The packaging feels like a cinematic scene. The front of the box shows the battle between the Clone Troopers and the Battle Droids. On the right, we have the Republic Juggernaut (aka Turbo Tank), moving through rocky, uneven terrain that looks like a blasted war zone. In front of it, we have 3 Galactic Marine Clone Troopers, firing their blasters. Leading the charge, we have Clone Commander Bacara and Ki-Adi-Mundi, the latter with his lightsaber. On the left side, we have 3 Battle Droids, firing their blasters in defense. The background sky is dark and smoky, with brownish-red clouds, giving a tense feeling. The top left corner is decorated with the classic LEGO and Star Wars logos. At the bottom and all the way to the bottom right corner, we have the minifigures in the set. These are, from left to right, Ki-Adi-Mundi, Clone Commander Bacara, 3 Galactic Marine Clone Troopers, and 3 Battle Droids. The left of the box repeats the LEGO and Star Wars logos, with the front of the Republic Juggernaut peaking on the bottom. The back of the box shows a similar scenario, but this time the Republic Juggernaut is static in the center, with one of its side panels open, showing its interior. On the left, one Galactic Marine Clone Trooper is firing the tank's turret at a Battle Droid. Ki-Adi-Mundi has captured a Battle Droid, which has its arms raised. On the right, Clone Commander Bacara is shooting a Battle Droid, which is firing back. A Galactic Marine Clone Trooper is firing from the inside of the tank, while another one is shooting from the elevated tank's crow nest. The box also has 3 insets that show how all 3 of the Republic Juggernaut's top panels can be opened and how the inside looks, as well as another inset with a bottom-to-top view of it. The right side of the box has the LEGO and Star Wars logos, as well as a warning that states that the set contains small parts and it is therefore not recommended for children younger than 3 years old in other languages. Similarly, the top of the box has the title of the set, as well as once again the LEGO and Star Wars logos. It also has an image of Ki-Adi-Mundi's minifigure on a 1:1 scale. The bottom of the box is a tidy strip that contains the barcode as well as a few technical bits: the LEGO and Star Wars logos, the set number, the recycling instructions for the paper/cardboard elements of the set, copyright, and trademark notices.

The build consists of 813 pieces in total and is recommended for ages 9+. Once finished, you will have a Republic Juggernaut (aka Turbo Tank) ready to battle the Separatist Droid Army. The set consists of 6 bags, 1 instruction booklet, and 1 sticker sheet.

Welcome to text-based instructions from Bricks for the Blind! Before you start building, here are some terms we may 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.
- Open/hollow stud: a bump on a LEGO brick with a hole, which allows attaching bars. In the case of open studs, the hole goes all the way through. In the case of hollow studs, it does not.
- “Anti-stud” is a term for the portion of a LEGO piece which accepts studs, like the bottom of a plate or brick.
- Left/right wedge parts: these are parts that when placed in front of you and are pointing to the back, their wedge is on the left/right side of the part, respectively.
- 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).

Additionally, it is worth mentioning that besides the printed visual instructions that come with each kit, a PDF version for the set's instructions is always available online at [<https://www.lego.com/en-us/product/republic-juggernaut-75413>]. This might help a sighted building partner that may want to follow along or low vision users that 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 6 bags labeled 1 through 6, 1 instruction booklet, 8 minifigures, and a sticker sheet. 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.

Book 1, Bag 1 – Battle Droids, Republic Juggernaut

Group 1: page 5
Group 2: steps 1 – 5
Group 3: steps 6 – 15
Group 4: steps 16 – 20
Group 5: steps 21 – 28
Group 6: steps 29 – 34
Group 7: steps 35 – 36

Book 1, Bag 2 – Republic Juggernaut

Group 8: steps 37 – 44
Group 9: steps 45 – 53
Group 10: steps 54 – 65
Group 11: steps 66 – 77
Group 12: steps 78 – 85
Group 13: steps 86 – 89

Book 1, Bag 3 – Galactic Marine Clone Troopers, Republic Juggernaut

Group 14: page 64 (steps 1 – 4)
Group 15: steps 90 – 96
Group 16: steps 97 – 105
Group 17: steps 106 – 111
Group 18: steps 112 – 120
Group 19: step 121
Group 20: steps 122 – 130
Group 21: steps 131 – 136
Group 22: step 137
Group 23: steps 138 – 146

Book 1, Bag 4 – Republic Juggernaut

Group 24: steps 147 – 150
Group 25: steps 151 – 153
Group 26: step 154
Group 27: steps 155 – 159
Group 28: steps 160 – 163
Group 29: step 164

Book 1, Bag 5 – Republic Juggernaut

Group 30: steps 165 – 173

Book 1, Bag 6 – Clone Commander Bakara, Ki-Adi-Mundi, Republic Juggernaut

Group 31: page 115
Group 32: steps 174 – 178
Group 33: steps 179 – 185
Group 34: step 186
Group 35: steps 187 – 188
Group 36: steps 189 – 198
Group 37: steps 199 – 200

All right, we are done with sorting. Let's get building!

Building Instructions

Book 1, bag 1:

Group 1 – Battle Droids

Let's start putting together the members of the Separatist Army. Let's make 3 identical Battle Droids.

Locate 1 tan torso. Place it vertically in front of you, so that its stud is facing downwards. Locate 1 tan droid legs. Attach their clip to the front bar of the droid's torso. Make sure that the flat edge of the droid's feet is facing downwards. Locate 1 tan straight droid arm. Attach its clip to the droid's right shoulder bar. Locate 1 tan angled droid arm. Attach its clip to the droid's left shoulder bar, so that its angled elbow is facing downwards. Locate 1 tan droid head. Attach it to the droid's neck bar, so that its helmet is facing upwards. Lastly, put one black blaster in the droid's right hand.

Once all 3 droids are built, make them ready for combat by making them stand up.

Group 2 – Republic Juggernaut

1. We will start with the Juggernaut's right part of the base. Place 1 yellow 1x2 brick with axle hole vertically in front of you, so that its hole faces to the left and right. Locate 1 black 3L axle with pin (a 3-studs long piece that has a pin on one end and a 2L axle on the other). Slide its axle into the ppp from the right, so that the axle overhangs to the left and its pin to the right.

2. Locate 1 black 1x4 brick with holes. Rotate it vertically. Attach the pin of the previous step into the back hole of the 1x4 brick, from the left.

3. Place 1 yellow 1x2 brick with axle hole vertically in front of you, so that its hole faces to the left and right. Locate 1 black 3L axle with pin. Slide its axle into the ppp from the right, so that the axle overhangs to the left and its pin to the right. Attach the pin into the front pinhole of the 1x4 brick, from the left.

4. Locate 1 dark bluish gray 6x10 plate. Rotate it horizontally. Place the build on top of the 2 leftmost columns of the plate, centered vertically, so that the 2 axles overhang to the left.

5.1 We will create a small sub-build. Locate 1 dark bluish gray 1x14 brick with holes. Place it horizontally in front of you. Locate 1 red ½ technic pin. Insert it into the rightmost hole, so that its stud faces forward.

5.2 Locate 4 red ½ technic pins. Insert them into holes 1, 5, 9, and 11 from the left, so that their studs face forward. Locate 1 blue 3L pin. Insert its 2L segment into the 4th hole from the right, from the front of the brick. Make sure that the pin does not go through completely, so that it overhangs to the front by 2L.

5.3 Locate 1 black technic pin. Attach it to the back of the 8th hole from the left, so that it overhangs to the back by 1L.

5.4 The sub-build is complete. Place it on top of the front row of the build, so that it is flush with its left edge and it overhangs to the right by 4 columns.

Group 3 – Republic Juggernaut (continued)

6.1 We will create a small symmetrical sub-build. Locate 1 dark bluish gray 1x14 brick with holes. Place it horizontally in front of you. Locate 1 red ½ technic pin. Insert it into the rightmost hole, so that its stud faces to the back.

6.2 Locate 4 red ½ technic pins. Insert them into holes 1, 5, 9, and 11 from the left, so that their studs face to the back. Locate 1 blue 3L pin. Insert its 2L segment into the 4th hole from the right, from the back of the brick. Make sure that the pin does not go through completely, so that it overhangs to the back by 2L.

6.3 Locate 1 black technic pin. Attach it to the front of the 8th hole from the left, so that it overhangs to the front by 1L.

6.4 The sub-build is complete. Place it on top of the back row of the build, so that it is flush with its left edge and it overhangs to the right by 4 columns.

7.1 We will create a sub-build for the tank's center part of the base. Locate 1 light bluish gray 2x6 plate with holes. Place it vertically in front of you. Locate 2 black 2x2 round plates. Place them centered vertically on top of the ppp, one in front of the other.

7.2 Locate 2 black 2x2 round plates. Place them on top of the ppps.

7.3 Locate 2 dark bluish gray 2x4 bricks with 2x2 cutout and axle hole. Place them horizontally, one in front of the other, so that the cutouts are aligned vertically and the holes face to the left and to the right. Place the sub-build centered vertically on top of the cutouts, so that it overhangs to the back and to the front by 1 row.

7.4 Locate 4 dark bluish gray 1x4 plates. Take the first one and place it centered horizontally on top of the back row. Take the second one and place it symmetrically on top of the front row. Take the remaining ones and place them on top of the ppps.

7.5 The tank's center part of the base is done. Attach its right-facing axle holes to the axles overhanging to the left of the tank's right part of the base.

8. Let's continue with the tank's left part of the base. Place 1 yellow 1x2 brick with axle hole vertically in front of you, so that its hole faces to the left and right. Locate 1 black 3L axle with pin. Insert its axle into the hole of the ppp from the left, so that its axle overhangs to the right and its pin to the left.

9. Find 1 black 1x4 brick with holes. Rotate it vertically. Attach the pin of the previous step into the 1x4 brick's back hole, from the right.

10. Place 1 yellow 1x2 brick with axle hole vertically in front of you, so that its hole faces to the left and right. Locate 1 black 3L axle with pin. Insert its axle into the hole of the ppp from the left, so that its axle overhangs to the right and its pin to the left. Attach the pin into the 1x4 brick's front hole, from the right.

11. Locate 1 dark bluish gray 6x10 plate. Rotate it horizontally. Place the build on top of the 2 rightmost columns of the plate, centered vertically, so that the 2 axles overhang to the right.

12. Locate 2 dark bluish gray 1x1 bricks. Take the first one and place it on the rightmost column of the back row. Take the second one and place it symmetrically on the front.

13.1 We will create a small sub-build. Locate 1 black 1x12 brick with holes. Place it horizontally in front of you. Locate 1 red ½ technic pin. Insert it into the leftmost hole, so that its stud faces to the back.

13.2 Locate 4 red ½ technic pins. Insert them into holes 1, 5, 8, and 10 from the right, so that their studs face to the back. Locate 1 black technic pin. Attach it to the back of the 3rd hole from the left, so that it overhangs to the back by 1L.

13.3 The sub-build is complete. Place it on top of the back row of the build, to the left of the 1x1 brick, so that it overhangs to the left by 3 columns.

14.1 We will create a symmetrical small sub-build. Locate 1 black 1x12 brick with holes. Place it horizontally in front of you. Locate 1 red ½ technic pin. Insert it into the leftmost hole, so that its stud faces to the front.

14.2 Locate 4 red ½ technic pins. Insert them into holes 1, 5, 8, and 10 from the right, so that their studs face to the front. Locate 1 black technic pin. Attach it to the front of the 3rd hole from the left, so that it overhangs to the front by 1L.

14.3 The sub-build is complete. Place it on top of the front row of the build, to the left of the 1x1 brick, so that it overhangs to the left by 3 columns.

15. The tank's left part of the base is complete. Attach its right-facing overhanging axles to the left-facing holes of the rest of the tank's base.

Group 4 – Republic Juggernaut (continued)

16. Flip the tank's base upside down, from front to back, so that the overhanging 2L pins of the front and back rows are to the right. Locate 1 dark bluish gray 4x6 plate. Rotate it vertically and turn it upside down. Place it on top of the 4 rightmost columns of the tank's base, so that it has no overhang.

17. Locate 1 tan 1x6 plate. Place it vertically in front of you. Locate 1 dark bluish gray 1x4 plate. Place it centered vertically on top of the ppp. Flip the plates upside down. Place them on top of the leftmost column of the tank's base, so that there is no overhang. Locate 1 light bluish gray 2x6 plate with holes. Flip it upside down and rotate it vertically. Place it to the right of the ppps.

18. Locate 2 dark bluish gray 1x4 plates. Take the first one, flip it upside down, and rotate it horizontally. Place it on top of back row, so that it is flush with its left edge and has no overhang. Take the second one and place it symmetrically to the front. Locate 2 light bluish gray 1x5 plates. Take the first one, flip it upside down, and rotate it horizontally. Place it on top of the back row, so that it is flush with its right edge and has no overhang. Take the second one and place it symmetrically to the front.

19. Locate 2 tan 2x2 rounded bottom plates. Take the first one and flip it upside down. Attach it to the 8th and 9th columns from the left of the 3rd and 4th rows from the front. Take the second one and flip it upside down. Attach it to the 9th and 10th columns from the right of the 3rd and 4th rows from the front. Locate 4 dark bluish gray 1x2 inverted slopes with cutout. Take the first one, flip it upside down, and rotate it horizontally so that it slopes to the right. Place it on top of the 13th and 14th columns from the left of the back row. Take the second one, flip it upside down, and rotate it horizontally so that it slopes to the left. Place it on top of the 14th and 15th columns from the right of the back row. Take the remaining 2 and place them symmetrically on the front row.

20. Flip the tank's base right side up, from front to back, so that the overhanging 2L pins of the front and back rows are to the right. Locate 1 black 6x8 plate. Rotate it horizontally and place it centered on top of the central part of the tank's base, from the 12th to the 19th columns from the left, so that it has no overhang.

Group 5 – Republic Juggernaut (continued)

21. Locate 1 tan 1x4 brick with side studs. Place it centered vertically on the leftmost column, so that its side studs are facing to the left.

22. Locate 2 black 1x2 curved slope bricks with stud. Take the first one and rotate it vertically, so that it slopes to the back. Place its back row on top of the back left corner of the tank's base. Take the second one and place it symmetrically to the front.

23.1 We will create a sub-build. Locate 1 dark bluish gray 2x6 plate with 1x4 upright side studs. Rotate it vertically, so that its side studs are facing to the right. Locate 1 dark bluish gray 1x4 plate. Place it centered vertically on top of the leftmost column of the ppp.

23.2 Locate 2 dark bluish gray 1x1 tiles with upright clips. Place them in front of and behind the ppp, so that the clip arms face to the left and right.

23.3 Locate 1 dark bluish gray 2x4 tile. Place it centered horizontally and vertically on top of the sub-build.

23.4 Locate 2 dark bluish gray bar holders with handle. Attach their handles to the clips.

23.5 The sub-build is ready. Rotate it horizontally upright, so that its antistuds face to the right and its side studs face upwards. Attach its top row to the left-facing side studs of the tank's base.

24. Locate 2 dark bluish gray 2x2 corner plates. Take the first one and rotate it so that it resembles an H in Braille. Place its leftmost column on top of the back of the leftmost column of the tank's base. Take the second one and place it symmetrically in front of the ppp.

25. Locate 1 black 1x4 tile. Place it centered vertically on top of the 2nd column from the left. We need to apply sticker 7 (a black console with some red details simulating a screen) to the ppp. Ask a sighted friend to make sure that the sticker is applied and oriented correctly.

26. Locate 2 reddish brown 1x2 hinge bases. Place them vertically on the leftmost column, one in front of the other, so that their flat side faces to the right.

27. Rotate the tank 180 degrees in the horizontal plane, so that the overhanging 2L pins of the front and back rows are to the left. Locate 2 light bluish gray 1x2 plates. Place the first one horizontally on the 3rd and 4th columns from the right of the back row. Take the second one and repeat symmetrically on the front row. Locate 2 light bluish gray 1x1 round plates with hole. Place the first one on the 7th column from the right of the back row. Take the second one and repeat symmetrically on the front row.

28. Locate 2 tan telescopes. Place the first one on the 7th column from the right of the 2nd row from the front, behind the ppp. Take the second one and repeat symmetrically on the back. Locate 1 tan 2x2 chair. Rotate it so that its seat faces to the right. Place it centered vertically on the 3rd and 4th columns from the left, to the left of the tank's console. Locate 1 light bluish gray 2x6 plate with holes. Rotate it vertically. Place it centered vertically on the 11th and 12th columns from the right (to the right of the black 6x8 plate), so that it has no overhang.

Group 6 – Republic Juggernaut (continued)

29. Locate 2 black 1x2 bricks with grille profile. Take the first one and rotate it horizontally, so that its vertical pattern faces to the front. Place it centered horizontally on the 2nd row from the front of the ppp. Take the second one and place it symmetrically to the back. Locate 2 dark bluish gray 1x12 plates. Take the first one and rotate it horizontally. Place its 3rd and 4th columns from the left behind the ppp. Take the second one and place it symmetrically on the front row.

30. Locate 1 dark bluish gray 2x4 tile. Place it centered vertically on top of the 1x2 bricks of the previous step, so that it has no overhang. Locate 2 dark tan 1x3 rounded plates with open studs. Place them vertically on the 13th column from the left, one in front of the other. Locate 1 dark bluish gray 2x8 plate. Rotate it vertically. Place it centered vertically to the right of the ppps, so that it overhangs by 1 row to the front and to the back.

31. Locate 2 tan 2x2 chairs. Rotate them so that their seats face to the left. Take the first one and place it centered vertically on the 9th and 10th columns from the left. Take the second one and place it centered vertically on the 2nd and 3rd columns from the left. Locate 2 dark bluish gray 2x3 inverted slopes. Take the first one and rotate it horizontally, so that it slopes to the left. Place its rightmost column on top of the 2nd and 3rd rows from the back of the leftmost column, so that it overhangs to the left by 2 columns. Take the second one and place it symmetrically to the front.

32.1 Let's make a sub-build. Locate 1 black 2x10 plate. Place it horizontally in front of you. Locate 2 tan 2x2 tiles with studs on edge. Rotate them so that their studs face to the front. Take the first one and place it on top of the 5th and 6th columns from the left of the 2x10 plate. Take the second one and place it on top of the 2 rightmost columns of the 2x10 plate.

32.2 Locate 1 dark bluish gray 2x2 plate. Place it on top of the 2nd and 3rd columns from the left.

32.3 The sub-build is complete. Place its front row on top of the 5th to the 14th columns from the left of the back row, so that the sub-build overhangs to the back by 1 row.

33.1 Let's make a symmetrical sub-build. Locate 1 black 2x10 plate. Place it horizontally in front of you. Locate 2 tan 2x2 tiles with studs on edge. Rotate them so that their studs face to the back. Take the first one and place it on top of the 5th and 6th columns from the left of the 2x10 plate. Take the second one and place it on top of the 2 rightmost columns of the 2x10 plate.

33.2 Locate 1 dark bluish gray 2x2 plate. Place it on top of the 2nd and 3rd columns from the left.

33.3 The sub-build is complete. Place its back row on top of the 5th to the 14th columns from the left of the front row, so that the sub-build overhangs to the front by 1 row.

34. Locate 2 light bluish gray 1x1 round plates with hole. Take the first one and place it to the left of the back row of the previous sub-build. Take the second one and place it symmetrically to the back.

Group 7 – Republic Juggernaut (continued)

35.1 Let's make a sub-build. Locate 1 dark bluish gray 2x4 tile. Place it vertically in front of you.

35.2 We need to apply sticker 2 (a dark bluish console with a red screen and some white and dark red buttons) to the ppp. Ask a sighted friend to make sure that the sticker is applied and oriented correctly.

35.3 Locate 1 dark bluish gray 4x6 plate. Place it vertically in front of you. Place the 2x4 tile (with the sticker) centered vertically on top of the 2 rightmost columns of the 4x6 plate, so that there is no overhang.

35.4 Locate 1 tan 2x4 plate. Place it vertically to the left of the 2x4 tile.

35.5 Locate 2 black 1x2 plates with 1x2 side studs hanging down. Rotate them so that their side studs are facing to the left. Place them on top of the leftmost column of the ppp, one in front of the other.

35.6 Locate 2 white 1x2 plates with 1x2 upright side studs. Rotate them so that their side studs are facing to the left. Place them on top of the ppps, one in front of the other, creating a 2x4 surface of left-facing side studs.

35.7 Locate 4 black 1x2 slopes with cut out. Rotate them horizontally, so that they slope to the right. Take the first one and place its leftmost column on top of the 2nd row from the back of the 2nd column from the left. Take the remaining 3 and place them in front of the ppp, one in front of the other.

35.8 The sub-build is complete. Place it centered vertically on the 1st to the 3rd columns from the left of the tank's base (on top of the 2x3 inverted slopes), so that the sub-build overhangs by 1 row to the left.

36. Locate 1 black 2x6 left wedge. Rotate it horizontally, so that it points to the left. Place its back row on top of the front row of the sub-build of the previous step, so that it is flush with its left edge. Locate 1 black 2x6 right wedge. Place it symmetrically to the back.

Book 1, bag 2:

Group 8 – Republic Juggernaut (continued)

37. Locate 1 trans-dark blue 2x4 plate. Place it horizontally in front of you. Locate 1 trans-light blue 1x4 tile. Place it centered horizontally on the back row of the ppp.

38. Locate 1 light bluish gray 2x3 tile. Rotate it vertically. Place its back row in front of the 2 leftmost columns of the ppp, so that it overhangs to the front by 2 rows. We need to apply sticker 1 (which resembles the tank's light bluish gray armor plating with some dark red details) to the ppp. Ask a sighted friend to make sure that the sticker is applied and oriented correctly.

39. Locate 1 tan 2x2 plate. Place its leftmost column under the rightmost column of the 2 front rows of the ppp.

40. Locate 1 light bluish gray 2x3 tile. Rotate it vertically. Place its 2 front rows of the leftmost column on top of the rightmost column of the ppp. We need to apply sticker 3 (a mirrored version of the previous sticker) to the ppp. Ask a sighted friend to make sure that the sticker is applied and oriented correctly.

41. Locate 2 black 2x2 round plates. Take the first one and place its leftmost column under the 2 front rows of the rightmost column of the ppp. Take the second one and place it symmetrically to the left.

42. Locate 2 light bluish gray 2x2 plates with hinge. Take the first one and rotate it so that its hinge is to the back. Place its leftmost column under the rightmost column of the ppp. Take the second one and place it symmetrically to the right.

43. Locate 1 light bluish gray 2x3 left wedge. Rotate it vertically so that it points to the back. Place its rightmost column on top of the leftmost column, so that its front side is flush. Locate 1 dark bluish gray 1x2 left wedge tile. Place it vertically on the 2 front rows of the ppp, so that it points to the back. Locate 1 light bluish gray 2x3 right wedge and 1 dark bluish gray 1x2 right wedge tile. Place them symmetrically to the right.

44. Rotate the build horizontally upright, so that its antistuds are facing to the left and the wedge pieces are pointing upwards. Attach the left-facing hinges to both reddish brown hinge bases on the right side of the tank's base.

Group 9 – Republic Juggernaut (continued)

45. Locate 4 reddish brown 1x2 hinge bases. Take the first two and place them horizontally on the 2 rightmost columns and on the 9th and 10th columns of the back row, so that their flat sides face to the front. Take the remaining 2 and place them symmetrically to the front.

46. Locate 2 dark bluish gray 2x2x2 slope bricks. Take the first one and rotate it so that it slopes to the front. Place its front row on the 5th and 6th columns from the right of the front row, so that its rightmost back antistud goes on top of the telescope piece. Take the second one and place it symmetrically to the back. Locate 2 light bluish gray 1x2x2 bricks. Take the first one and place it horizontally on the 11th and 12th columns from the right of the front row. Take the second one and place it symmetrically on the back.

47. Locate 1 light bluish gray 2x6 plate. Rotate it vertically and place its front and back rows on top of the 1x2x2 bricks. Locate 1 dark bluish gray 1x4 plate. Place it centered vertically on top of the rightmost column of the ppp. Locate 2 light bluish gray 1x2 panels with 3 sides. Take the first one and rotate it horizontally, so that its open side faces to the front. Place it centered horizontally on the back row of the 2x6 plate. Take the second one and place it symmetrically on the front.

48. We'll make a sub-build. Locate 1 dark bluish gray 4x6 plate. Place it horizontally in front of you. Locate 1 light bluish gray 1x4 tile. Place it centered vertically on top of the leftmost column of the ppp.

49. Locate 1 light bluish gray 1x2 plate. Place it centered vertically on top of the rightmost column of the sub-build. Locate 2 light bluish gray 1x2 tiles. Take the first one and place it centered horizontally on top of the back row of the sub-build. Take the second one and place it symmetrically on the front. Locate 4 light bluish gray 1x1 half circle tiles. Take the first 2 and place them to the left and to the right of the ppp, so that their flat edges touch the 1x2 tile. Take the remaining 2 and place them symmetrically on the back.

50.1 Locate 1 tan 2x4 plate. Place it vertically in front of you. Locate 1 dark bluish gray 1x4 plate. Place it centered vertically on top of the leftmost column of the ppp.

50.2 Locate 2 black 1x1 short bricks. Place them to the right of the back and front row of the ppp.

50.3 Place the dark bluish gray 1x4 plate centered vertically under the rightmost column of the sub-build.

51. Locate 2 dark bluish gray 1x2 plates with clip on top and stud. Take the first one and rotate it horizontally, so that its clip is to the right. Place it on top of the 2 rightmost columns of the sub-build's back row. Take the second one and place it symmetrically on the front.

52. Locate 1 light bluish gray 1x4 tile. Place it centered vertically on top of the 2nd column from the right of the sub-build.

53. The sub-build is complete. Place its leftmost column centered vertically on the 11th column from the right (on top of the 1x4 plate located between the 1x2 panels with 3 sides). The 2 rightmost columns of the sub-build will be on top of the 2x2x2 sloped bricks.

Group 10 – Republic Juggernaut (continued)

54. Let's make one of the tank's panels. Locate 1 light bluish gray 1x2 plate. Place it horizontally in front of you. Locate 1 light bluish gray 1x4 slope brick. Rotate it horizontally, so that it slopes to the left. Place its 2 leftmost columns on top of the ppp, so that the 1x4 slope brick overhangs to the right by 2 columns.

55. Locate 1 dark bluish gray 4x10 plate. Rotate it horizontally. Place its 2 leftmost columns of the back row under the overhang of the ppp.

56. Locate 1 light bluish gray 1x2 plate. Place it horizontally on top of the 2 leftmost columns of the 2nd row from the back. Locate 1 light bluish gray 1x2x1 2/3 slope. Rotate it horizontally, so that it slopes to the left. Place it on top of the ppp. Place the tank's panel build to the side for now. Make sure to keep it in the same orientation.

57.1 Let's make a small sub-build. Locate 1 trans-dark blue 2x4 plate. Place it vertically in front of you. Locate 1 trans-light blue 1x2 tile. Place it centered horizontally on top of the back row of the ppp.

57.2 Locate 1 light bluish gray 1x4 slope brick. Rotate it horizontally, so that it slopes to the left. Place its 2 leftmost columns in front of the ppp, so that it overhangs to the right by 2 columns. We need to apply sticker 5 (a dark red armor plate with light bluish gray details) to the ppp. Ask a sighted friend to make sure that the sticker is applied and oriented correctly.

57.3 The sub-build is complete. Bring back the tank's panel build. Place the overhanging columns of the sub-build on top of the 2 leftmost columns of the 2nd row from the front of the tank's panel.

58. Locate 1 light bluish gray 2x4 slope brick (a slope brick with 2 studs). Rotate it horizontally, so that it slopes to the left. Place its leftmost column on top of the leftmost column of the 2 front rows of the tank's panel.

59. Locate 1 light bluish gray 1x2 brick. Place it horizontally on the 2nd and 3rd columns from the left of the back row. Locate 1 light bluish gray 1x2 brick. Rotate it horizontally, so that it slopes to the right. Place it to the right of the ppp.

60. Locate 1 light bluish gray 4x2 slope brick (a slope brick with 4 studs). Rotate it vertically, so that it slopes to the right. Place it in front of the ppp. Locate 1 light bluish gray 2x4 brick. Rotate it vertically. Place it to the left of the ppp.

61. Locate 1 dark bluish gray 2x2 tile with studs on edge. Rotate it so that its studs face to the back. Place its back row on top of the 2nd and 3rd columns from the right of the back row of the tank's panel. Locate 2 dark bluish gray 1x2 plates with clip on top and stud. Take the first one and rotate it horizontally, so that its clip is to the right. Place its left column in front of the right column of the ppp. Take the second one and place it symmetrically to the left.

62. Locate 1 dark bluish gray 2x4 tile. Rotate it horizontally. Place its back row in front of the ppps, so that it overhangs to the front by 1 row.

63. Locate 2 light bluish gray 1x1 round plates with handle. Take the first one and place it on top of the 2nd column from the right of the back row, so that its handle points to the right and to the front. Take the second one and place it symmetrically to the left. Locate 2 light bluish gray 2L bars with stop ring. Take the first one and rotate it vertically. Attach its back part of the bar to the front of the clip on the right. Take the second one and attach it the same way to the clip to the left.

64. Flip the tank's panel upside down from right to left. Locate 2 light bluish gray 2x2 plates with bottom bar. Flip them upside down and rotate them so that their bars face to the front. Take the first one and attach it to the 2 leftmost columns of the 3rd and 4th rows from the back. Take the second one and attach it to the 3rd and 4th columns from the right of the 3rd and 4th rows from the back.

65. This tank's panel is complete. Rotate it horizontally upright, from front to back, so that its antistuds face to the front. Attach its bars on the plates to the hinge bases located on the right side of the tank's base, on the back. Angle the attached panel towards the front as much as possible.

Group 11 – Republic Juggernaut (continued)

66. Let's make the other panel of the tank. Locate 1 light bluish gray 1x2 plate. Place it horizontally in front of you. Locate 1 light bluish gray 1x4 slope brick. Rotate it horizontally, so that it slopes to the right. Place its 2 rightmost columns on top of the ppp, so that the 1x4 slope brick overhangs to the left by 2 columns.

67. Locate 1 dark bluish gray 4x10 plate. Rotate it horizontally. Place its 2 rightmost columns of the back row under the overhang of the ppp.

68. Locate 1 light bluish gray 1x2 plate. Place it horizontally on top of the 2 rightmost columns of the 2nd row from the back. Locate 1 light bluish gray 1x2x1 2/3 slope. Rotate it horizontally, so that it slopes to the right. Place it on top of the ppp. Put the tank's panel to the side for now. Make sure to keep it in the same orientation.

69.1 Let's make a small sub-build. Locate 1 trans-dark blue 2x4 plate. Place it vertically in front of you. Locate 1 trans-light blue 1x2 tile. Place it centered horizontally on top of the back row of the ppp.

69.2 Locate 1 light bluish gray 1x4 slope brick. Rotate it horizontally, so that it slopes to the right. Place its 2 rightmost columns in front of the ppp, so that it overhangs to the left by 2 columns. We need to apply sticker 4 (a dark red armor plate with light bluish gray details) to the ppp. Ask a sighted friend to make sure that the sticker is applied and oriented correctly.

69.3 The sub-build is complete. Bring back the tank panel's build. Place the overhanging columns of the sub-build on top of the 2 rightmost columns of the 2nd row from the front of the tank's panel.

70. Locate 1 light bluish gray 2x4 slope brick (a slope brick with 2 studs). Rotate it horizontally, so that it slopes to the right. Place its rightmost column on top of the rightmost column of the 2 front rows of the tank's panel.

71. Locate 1 light bluish gray 1x2 brick. Place it horizontally on the 2nd and 3rd columns from the right of the back row. Locate 1 light bluish gray 1x2 slope brick. Place it horizontally to the left of the ppp, so that it slopes to the left.

72. Locate 1 light bluish gray 4x2 slope brick (a slope brick with 4 studs). Rotate it vertically, so that it slopes to the left. Place it in front of the ppp. Locate 1 light bluish gray 2x4 brick. Rotate it vertically. Place it to the right of the ppp.

73. Locate 1 dark bluish gray 2x2 tile with studs on edge. Rotate it so that its studs face to the back. Place its back row on top of the 2nd and 3rd columns from the left of the back row of the tank's panel. Locate 2 dark bluish gray 1x2 plates with clip on top and stud. Take the first one and rotate it horizontally, so that its clip is to the left. Place its right column in front of the left column of the ppp. Take the second one and place it symmetrically to the right.

74. Locate 1 dark bluish gray 2x4 tile. Rotate it horizontally. Place its back row in front of the ppps, so that it overhangs to the front by 1 row.

75. Locate 2 light bluish gray 1x1 round plates with handle. Take the first one and place it on top of the 2nd column from the left of the back row, so that its handle points to the left and to the front. Take the second one and place it symmetrically to the right. Locate 2 light bluish gray 2L bars with stop ring. Take the first one and rotate it vertically. Attach its back part of the bar to the front of the clip on the left. Take the second one and attach it the same way to the clip to the right.

76. Flip the tank's panel upside down from right to left. Locate 2 light bluish gray 2x2 plates with bar on bottom. Flip them upside down and rotate them so that their bars face to the front. Take the first one and attach it to the 2 rightmost columns of the 3rd and 4th rows from the back. Take the second one and attach it to the 3rd and 4th columns from the left of the 3rd and 4th rows from the back.

77. This tank's panel is complete. Rotate it horizontally upright, from front to back, so that its antistuds face to back. Attach its hinges to the hinge bases located on the right side of the tank's base, on the front. Angle the attached panel towards the back as much as possible.

Group 12 – Republic Juggernaut (continued)

78. Locate 4 light bluish gray 1x2 plates. Take the first one and place it vertically on top of the 2 back rows of the 7th column from the left. Take the second one and place it symmetrically on the front. Take the third one and place it vertically on top of the 2 back rows of the 18th column from the left. Take the last one and place it symmetrically on the front.

79. Locate 2 reddish brown 1x2 plates with pin hole. Take the first one and rotate it vertically, so that its pin hole is to the back. Place it vertically on top of the 2 back rows of the 8th column from the left, so that its pin hole overhangs to the back. Take the second one and place it symmetrically on the front. Locate 2 light bluish gray 3L pins with stop bush. Insert them into the ppps from the right so that their stop bush is to the right, but don't push them all the way through.

80. Locate 2 reddish brown 1x2 plates with pin hole. Take the first one and rotate it vertically, so that its pin hole is to the back. Place it vertically on top of the 2 back rows of the 17th column from the left, so that its pin hole overhangs to the back. Take the second one and place it symmetrically on the front. Locate 2 light bluish gray 3L pins with stop bush. Insert them into the ppps from the left so that their stop bush is to the left, but don't push them all the way through.

81. Locate 2 black 2x2x3 slope bricks. Take the first one and rotate it so that it slopes to the front. Place it on top of the 2 back rows of the 17th and 18th columns from the left. Take the second one and place it symmetrically on the front. Locate 2 light bluish gray 1x2 plates. Rotate them horizontally and place them on top of the ppps.

82. Locate 2 dark bluish gray 2x2 bricks. Take the first one and place it on top of the 2 back rows of the 7th and 8th columns from the left. Take the second one and place it symmetrically to the front. Locate 2 tan 2x2 plates. Take the first one and place it on top of the ppp. Take the second one and place it symmetrically on the back. Locate 4 black 1x2 bricks with hole. Take the first 2, rotate them horizontally and place them on top of the ppp, one in front of the other, so that their holes face to the front and back. Take the remaining 2 and place them symmetrically on the front. Locate 2 blue 3L pins. Take the first one and insert its 2L part into the holes of the ppps, from the back, so that 1L of the pin overhangs to the back. Take the second one and insert it symmetrically on the back.

83. Locate 2 black 3x5 L-shaped beams. Take the first one and rotate it so that it resembles a V in Braille. Insert its top hole into the 1L overhang of the ppp (the 3L pin). Push the pin on the back of the tank's base from the back to the front, so that it attaches the 3x5 beam. Take the second one and repeat symmetrically on the front.

84. Locate 2 light bluish gray 1x2 bricks. Take the first one and rotate it vertically. Place it on the 2 back rows of the 8th column from the left. Take the second one and place it symmetrically on the front.

85.1 We need to make 2 small identical sub-builds. Let's begin with the first one. Locate 1 dark tan 3L axle with stud. Rotate it vertically so that its stud faces to the back. Locate 2 tan 1x1 spacers (which look like small, hollow cylinders). Attach them to the front of the ppp, one in front of the other.

85.2 Locate 1 dark bluish gray 1x1 brick with axle hole. Rotate it so that its hole faces to the front and back. Attach it to the front of the axle, in front of the last 1x1 spacer.

85.3 The sub-build is complete. Attach its 1x1 brick to the 2nd row from the back of the 7th column from the left, so that it overhangs to the back by 1 row (made of 1 spacer and the axle's stud).

85.4 Build a second identical sub-build and place it symmetrically on the front.

Group 13 – Republic Juggernaut (continued)

86.1 Let's make a sub-build for one of the tank's top panels. Locate 1 dark bluish gray 2x8 plate. Place it vertically in front of you. Locate 1 light bluish gray 2x2 tile with studs on edge. Rotate it so that its studs are on the left side. Place it centered vertically on the right column of the ppp, so that it overhangs to the right by 1 column.

86.2 Locate 4 dark bluish gray 1x2 plates with handle on short edge. Rotate them horizontally, so that their handles face to the right. Take the first one and place it centered horizontally on top of the 2nd row from the back of the 2x8 plate. Take the second one and place it in front of the ppp. Take the remaining 2 and place them symmetrically on the front.

86.3 Locate 2 light bluish gray 2x2 tiles with studs on edge. Take the first one and rotate it so that its studs are on the left side. Attach its front left corner to the back right corner of the sub-build, so that it overhangs to the back by 1 row and to the right by 1 column. Take the second one and place it symmetrically on the front. Locate 3 dark bluish gray 1x2 plates with door rail. Rotate them vertically so that their rails are on the left side. Take the first one and place it to the left of the ppp. Take the second one and place it symmetrically on the back. Take the last one and place it centered vertically on the leftmost column of the sub-build.

86.4 Locate 2 light bluish gray 1x8 tiles. Take the first one and rotate it vertically. Place it centered vertically on the leftmost column of the sub-build. Take the second one and place it to the right of the ppp.

86.5 The sub-build is complete. Place the back and front rows of the underlying 2x8 plate on top of the 1x2 plates located on the back and front rows of the 17th and 18th columns from the left (on top of the 2x2x3 bricks).

87.1 Let's make a sub-build for another of the tank's top panels. Locate 1 light bluish gray 2x8 plate with holes. Place it vertically in front of you. Locate 1 black 2x2 round plate. Place it centered vertically on top of the ppp.

87.2 Locate 4 dark bluish gray 1x2 plates with handle on short edge. Rotate them horizontally, so that their handles face to the right. Take the first one and place it centered horizontally on top of the 2nd row from the back of the 2x8 plate with holes. Take the second one and place it in front of the ppp. Take the remaining 2 and place them symmetrically on the front.

87.3 Locate 2 light bluish gray 2x2 tiles with studs on edge. Take the first one and rotate it so that its studs are on the right side. Attach its front right corner to the back left corner of the sub-build, so that it overhangs to the back by 1 row and to the left by 1 column. Take the second one and place it symmetrically on the front. Locate 2 dark bluish gray 1x2 plates with door rail. Rotate them vertically so that their rails are on the right side. Take the first one and place it to the right of the ppp. Take the second one and place it symmetrically on the back.

87.4 Locate 1 light bluish gray 2x8 plate with holes. Place it vertically on top of the sub-build, so that it is centered vertically.

87.5 The sub-build is complete. Place the 2 back rows and 2 front rows of the underlying 2x8 plate with holes on top of the 2 back rows and 2 front rows of the 7th and 8th columns from the left of the tank base, so that the sub-build's handles face to the left.

88. Locate 2 light bluish gray 1x12 plates. Take the first one and place it horizontally on the back row of the 7th to the 18th column from the left, connecting both of the tank's top plates (the two sub-builds that we just attached). The 1x12 plates should have no overhang. Take the second one and place it symmetrically on the front.

89. Locate 2 light bluish gray 2x2 round tiles with hole. Take the first one and place it on top of the 2 back rows of the 7th and 8th rows from the left. Take the second one and place it symmetrically on the front.

Book 1, bag 3:

Group 14 – Galactic Marine Clone Troopers

1. We will put together 3 identical Galactic Marine Clone Troopers. Locate 1 white pair of legs with dark bluish gray pants and dark red kama, 1 dark red torso printed with light bluish gray belt, strap, pouches, and black hands. Assemble the body of the minifigure. Locate 1 white neck bracket with back stud. Attach it to the minifigure's neck, making sure that the back stud faces to the back.

2. Locate 1 nougat minifigure head. Attach it to the neck. If you wish, ask a sighted friend to make sure that the face print is facing the right way. Then, put on the Galactic Marine Clone Trooper helmet.

3. Rotate the minifigure so that it is looking to the back. Locate 1 white 1x1 plate with ring attachment. Rotate it upright, so that its ring is on the bottom. Attach it to the minifigure's neck bracket. Locate 1 white 1x1 tile. Place it on top of the ppp.

4. Once all three Clone Troopers are built, make them ready for combat by placing 1 black blaster into each of their right hands.

Group 15 – Republic Juggernaut (continued)

90. Let's make the tank's front panel. Locate 1 trans-dark blue 2x4 plate. Place it vertically in front of you. Locate 1 trans-light blue 1x2 tile. Rotate it vertically. Place its back row on top of the front right corner of the ppp, so that it overhangs to the front by 1 row. Locate 1 trans-light blue 1x4 tile. Place it vertically behind the ppp, so that it overhangs to the back by 1 row.

91. Locate 1 light bluish gray 2x6 tile. Rotate it vertically. Place its rightmost column on top of the leftmost column, centered vertically. We need to apply sticker 6 (a large light bluish gray tank armor panel with some dark red details) to the ppp. Ask a sighted friend to make sure that the sticker is applied and oriented correctly.

92. Locate 1 dark bluish gray 1x4 plate. Place it vertically under the leftmost column, centered vertically.

93. Locate 1 trans-dark blue 2x4 plate. Rotate it vertically. Place its leftmost column under the rightmost column, centered vertically.

94. Locate 2 dark tan 1x3 rounded plates with open studs. Take the first one and rotate it vertically. Place its 2 front rows on top of the 2 back rows of the rightmost column, so that it overhangs to the back by 1 row. Take the second one and place it vertically in front of the ppp, so that it overhangs to the front by 1 row.

95. Locate 1 light bluish gray 1x6 tile. Place it vertically on top of the rightmost column.

96. The tank's front panel is done. Rotate it horizontally upright, from right to left, so that its antistuds face to the right. Attach its 2 bottom rows to the left-facing side studs of the tank base.

Group 16 – Republic Juggernaut (continued)

97. Let's make one of the tank's side panels. Locate 1 dark bluish gray 1x10 plate. Place it horizontally in front of you. Locate 1 light bluish gray 4x6 plate. Rotate it vertically. Place its back row on top of the ppp, centered horizontally, so that it overhangs to the front by 5 rows.

98. Locate 1 dark bluish gray 1x10 plate. Rotate it horizontally. Place it centered horizontally under the front row of the ppp.

99. Locate 2 light bluish gray 4x6 plates. Rotate them vertically and place them to the left and to the right of the 4x6 plate, so that they overhang to the left and to the right by 1 column, respectively.

100. Locate 4 dark bluish gray 1x2 plates with handle on long edge. Take the first one and rotate it vertically, so that its handle faces to the left. Place it under the 2 rows from the back of the leftmost column. Take the second one and place it in front of the ppp. Take the remaining 2 and place them symmetrically on the right.

101. Locate 1 light bluish gray 2x6 tile. Place it horizontally on top of the 2 rows from the back, so that it is flush with the left of the tank's side panel.

102. Locate 3 light bluish gray 2x2 tiles with studs on edge. Take the first 2 and rotate them so that their studs are on the front. Place them to the right of the ppp, one next to the other. Take the last one and place it to the right of the ppp, so that its studs are on the left.

103. Locate 1 dark red 1x6 tile. Place it horizontally on the 3rd row from the back, so that it is flush with the left of the tank's side panel. Locate 1 dark bluish gray 2x2 corner plate. Rotate it so that it resembles an F in Braille. Place it in front of the 2 leftmost columns of the ppp. Locate 1 tan 1x2 rounded plate with holes. Place it horizontally on the 2nd row from the front and 2nd and 3rd columns from the left. Locate 1 dark bluish gray 2x2 corner plate. Rotate it so that it resembles a D in Braille. Place the front row of its rightmost column to the right of the ppp.

104. Locate 1 light bluish gray 2x2 tile with studs on edge. Place it to the right of the ppp, so that its studs are at the back. Locate 1 light bluish gray 2x6 tile. Place it horizontally to the right of the ppp. Locate 1 dark red 1x6 tile. Place it horizontally to the back of the ppp.

105. Locate 2 light bluish gray 1x6 tiles. Place them horizontally on the front row, one next to the other.

Group 17 – Republic Juggernaut (continued)

106. Flip the tank's panel upside down from front to back. Locate 2 reddish brown 1x2 plates with pin hole. Flip them upside down and rotate them vertically, so that their pin holes are to the front. Take the first one and place it on top of the 2nd and 3rd rows from the front of the leftmost column. Take the second one and place it symmetrically on the right. Locate 2 black 1x2 inverted curve slopes. Flip them upside down and rotate them vertically so that they slope to the back. Take the first one and place its front row on top of the back row of the ppp. Take the second one and place it symmetrically on the left.

107. Locate 2 dark bluish gray 1x2 plates with handle on long edge. Take the first one, flip it upside down, and rotate it vertically so that its handle faces to the left. Place it in behind the ppp. Take the second one and place it symmetrically on the right.

108.1 Flip the tank's panel right side up from front to back. Locate 1 light bluish gray stud shooter. Rotate it horizontally, so that its open end faces to the right. Attach it to the 2nd and 3rd columns from the right of the 2nd row from the back. Locate 1 dark bluish gray trigger. Insert it horizontally into the slot on top of the ppp, so that its thicker tab is to the left.

108.2 Locate 1 light bluish gray 1x3 curved slope. Rotate it horizontally, so that it slopes to the left. Place its rightmost column on top of the leftmost column of the shooter.

109. Locate 1 light bluish gray 4x4 dome top with 2x2 recessed center. Place it centered vertically on top of the 2nd and 3rd rows from the front of the 4 leftmost columns. Locate 1 light bluish gray T bar with ball center. Insert its short bar into the center of the ppp, so that its long bar faces to the front and to the back.

110. Locate 1 light bluish gray wand sprue. Detach the first wand and insert its handle into the front left hole of the recessed center of the 4x4 dome top. Detach the second one and insert its handle into the front right hole.

111. Rotate the tank's side panel 180 degrees on the horizontal plane, then flip it upside down from back to front, so that the antistuds face upwards and the pinholes are to the back. Align the pin holes located on the back of the tank's panel with the pin holes located on the front row of the left side of the tank. Attach the panel by completely pushing the pins on the tank into the panels', creating a hinge. Close the tank panel. It will be secure in place by attaching its front leftmost antistud to a tank's side stud. In the next steps, we will put together and attach 2 panels to the left and right handles.

Group 18 – Republic Juggernaut (continued)

112. Let's make another of the tank's side panels. Locate 1 dark bluish gray 2x2 inverted curved slope. Rotate it so that it slopes to the right. Locate 1 dark bluish gray 1x1 plate with horizontal clip. Place it on top of the leftmost column of the front row, so that its clip faces to the left.

113. Locate 1 light bluish gray 1x2 plate with 2 horizontal clips on long edge. Place it vertically behind the ppp, so that its clips face to the left and it overhangs by 1 row to the back.

114. Locate 1 dark bluish gray 2x2 inverted curved slope. Rotate it so that it slopes to the right. Place the front row of its leftmost column under the overhang of the ppp.

115. Locate 1 light bluish gray 1x2 tile. Place it horizontally on top of the 2nd row from the back.

116. Locate 1 light bluish gray 1x2 plate with 2 horizontal clips on long edge. Place it vertically behind the leftmost column of the ppp, so that its clips face to the left and it overhangs by 1 row to the back.

117.1 Let's make a small sub-build. Locate 1 trans-dark blue 2x4 plate. Place it horizontally in front of you. Locate 1 trans-light blue 1x4 tile. Place it centered horizontally on the front row of the ppp.

117.2 Locate 1 light bluish gray 2x6. Rotate it horizontally. Place it behind the ppp, so that it is flush with its right edge and it overhangs to the left by 2 columns.

117.3 The sub-build is done. Attach the overhanging columns of the ppp on top of the 2 back rows of the tank's plate, so that the sub-build overhangs to the right by 4 columns.

118. Locate 1 tan 1x2 rounded plate with open studs. Rotate it vertically. Place its back row under the front row of the 2nd column from the right. Locate 1 light bluish gray 1x1 round plate with hole. Place it on top of the front row of the ppp.

119. Locate 1 light bluish gray 3x6 right wedge plate. Rotate it horizontally, so that it points to the right. Place its back row on top of the 4th row from the back.

120. The tank's panel is done. Rotate it 180 degrees in the horizontal plane, so that its wedge plate is to the back and pointing to the left. Rotate the tank's panel horizontally upright, from front to back so that its antistuds are facing to the back and its clips are facing to the right. Attach its clips to the left handles of the front panel on the left side of the tank. Bring it as close as possible to the tank.

Group 19 – Republic Juggernaut (continued)

121.1 Let's make another of the tank's panels. Locate 1 dark bluish gray 2x2 inverted curved slope. Rotate it so that it slopes to the right. Locate 1 dark bluish gray 1x1 plate with horizontal clip. Place it on top of the back row of the leftmost column of the ppp, so that its clip faces to the left.

121.2 Locate 1 light bluish gray 1x2 plate with 2 horizontal clips on long edge. Rotate it vertically and place it in front of the ppp, so that its clips face to the left.

121.3 Locate 1 light bluish gray 4x4 tile with studs on edge. Rotate it so that its studs are at the back. Place its leftmost column on top of the leftmost column of the tank's panel, so that it overhangs to the back by 1 row.

121.4 Locate 1 light bluish gray 1x2 plate with 2 horizontal clips. Rotate it vertically, so that its clips face to the left. Place its front row under the leftmost column of the back row of the ppp. Locate 1 dark bluish gray 2x2 inverted curved slope. Rotate it so that it slopes to the right. Place its leftmost column under the ppp.

121.5 Locate 1 light bluish gray 2x4 left wedge plate. Rotate it horizontally so that it points to the right. Place its front row on top of the back row of the tank's panel.

121.6 The tank's panel is done. Rotate it vertically upright, from back to front, so that its antistuds are facing to the back and its clips are facing to the left. Attach its clips to the right handles of the front panel on the left side of the tank. Bring it as close as possible to the tank.

Group 20 – Republic Juggernaut (continued)

122. Let's start with the tank's side panels on the opposite side. Locate 1 dark bluish gray 1x10 plate. Place it horizontally in front of you. Locate 1 light bluish gray 4x6 plate. Rotate it vertically. Place its back row on top of the ppp, centered horizontally, so that it overhangs to the front by 5 rows.

123. Locate 1 dark bluish gray 1x10 plate. Rotate it horizontally. Place it centered horizontally under the front row of the ppp.

124. Locate 2 light bluish gray 4x6 plates. Rotate them vertically and place them to the left and to the right of the 4x6 plate, so that they overhang to the left and to the right by 1 column, respectively.

125. Locate 4 dark bluish gray 1x2 plates with handle on long edge. Take the first one and rotate it vertically, so that its handle faces to the left. Place it under the 2 rows from the back of the leftmost column. Take the second one and place it in front of the ppp. Take the remaining 2 and place them symmetrically on the right.

126. Locate 1 light bluish gray 2x6 tile. Place it horizontally on top of the 2 rows from the back, so that it is flush with the right of the tank's side panel.

127. Locate 3 light bluish gray 2x2 tiles with studs on edge. Take the first 2 and rotate them so that their studs are at the front. Place them to the left of the ppp, one next to the other. Take the last one and place it to the left of the ppp, so that its studs are on the right.

128. Locate 1 dark red 1x6 tile. Place it horizontally on the 3rd row from the back, so that it is flush with the right of the tank's side panel. Locate 1 dark bluish gray 2x2 corner plate. Rotate it so that it resembles a D in Braille. Place it in front of the 2 rightmost columns of the ppp. Locate 1 tan 1x2 rounded plate with holes. Place it horizontally on the 2nd row from the front and 2nd and 3rd columns from the right. Locate 1 dark bluish gray 2x2 corner plate. Rotate it so that it resembles an F in Braille. Place the front row of its leftmost column to the left of the ppp.

129. Locate 1 light bluish gray 2x2 tile with studs on edge. Place it to the left of the ppp, so that its studs are at the back. Locate 1 light bluish gray 2x6 tile. Place it horizontally to the left of the ppp. Locate 1 dark red 1x6 tile. Place it horizontally to the back of the ppp.

130. Locate 2 light bluish gray 1x6 tiles. Place them horizontally on the front row, one next to the other.

Group 21 – Republic Juggernaut (continued)

131. Flip the tank's panel upside down from front to back. Locate 2 reddish brown 1x2 plates with pin hole. Flip them upside down and rotate them vertically, so that their pin holes are to the front. Take the first one and place it on top of the 2nd and 3rd rows from the front of the leftmost column. Take the second one and place it symmetrically on the right. Locate 2 black 1x2 inverted curve slopes. Flip them upside down and rotate them vertically so that they slope to the back. Take the first one and place its front row on top of the back row of the ppp. Take the second one and place it symmetrically on the left.

132. Locate 2 dark bluish gray 1x2 plates with handle on long edge. Take the first one, flip it upside down, and rotate it vertically so that its handle faces to the left. Place it in front of the ppp. Take the second one and place it symmetrically on the right.

133.1 Flip the tank's panel right side up from front to back. Locate 1 light bluish gray stud shooter. Rotate it horizontally, so that its open end faces to the left. Attach it to the 2nd and 3rd columns from the left of the 2nd row from the back. Locate 1 dark bluish gray trigger. Insert it horizontally into the slot on top of the ppp, so that its thicker tab is to the right.

133.2 Locate 1 light bluish gray 1x3 curved slope. Rotate it horizontally, so that it slopes to the right. Place its leftmost column on top of the rightmost column of the shooter.

134. Locate 1 light bluish gray 4x4 dome top with 2x2 recessed center. Place it centered vertically on top of the 2nd and 3rd rows from the front of the 4 rightmost columns. Locate 1 light bluish gray T bar with ball center. Insert its short bar into the center of the ppp, so that its long bar faces to the front and to the back.

135. Locate 1 light bluish gray wand sprue. Detach the first wand and insert its handle into the front left hole of the recessed center of the 4x4 dome top. Detach the second one and insert its handle into the front right hole.

136. Rotate the tank 180 degrees on the horizontal plane. Rotate the tank's side panel 180 degrees on the horizontal plane, then flip it upside down from back to front, so that the antistuds face upwards and the pinholes are to the back. Align the pin holes located on the back of the tank's panel with the pin holes located on the front row of the right side of the tank. Attach the panel by completely pushing the pins on the tank into the panels', creating a hinge. Close the tank panel. It will be secure in place by attaching its front leftmost antistud to a tank's side stud. In the next steps, we will put together and attach 2 panels to the left and right handles.

Group 22 – Republic Juggernaut (continued)

137.1 Let's make another of the tank's panels. Locate 1 dark bluish gray 2x2 inverted curved slope. Rotate it so that it slopes to the left. Locate 1 dark bluish gray 1x1 plate with horizontal clip. Place it on top of the back row of the rightmost column of the ppp, so that its clip faces to the right.

137.2 Locate 1 light bluish gray 1x2 plate with 2 horizontal clips on long edge. Rotate it vertically and place it in front of the ppp, so that its clips face to the right.

137.3 Locate 1 light bluish gray 4x4 tile with studs on edge. Rotate it so that its studs are at the back. Place its rightmost column on top of the rightmost column of the tank's panel, so that it overhangs to the back by 1 row.

137.4 Locate 1 light bluish gray 1x2 plate with 2 horizontal clips. Rotate it vertically, so that its clips face to the right. Place its front row under the rightmost column of the back row of the ppp. Locate 1 dark bluish gray 2x2 inverted curved slope. Rotate it so that it slopes to the left. Place its rightmost column under the ppp.

137.5 Locate 1 light bluish gray 2x4 right wedge plate. Rotate it horizontally so that it points to the left. Place its front row on top of the back row of the tank's panel.

137.6 The tank's panel is done. Rotate it vertically upright, from back to front, so that its antistuds are facing to the back and its clips are facing to the right. Attach its clips to the left handles of the front panel on the right side of the tank. Bring it as close as possible to the tank.

Group 23 – Republic Juggernaut (continued)

138. Let's make another of the tank's side panels. Locate 1 dark bluish gray 2x2 inverted curved slope. Rotate it so that it slopes to the left. Locate 1 dark bluish gray 1x1 plate with horizontal clip. Place it on top of the rightmost column of the front row, so that its clip faces to the right.

139. Locate 1 light bluish gray 1x2 plate with 2 horizontal clips on long edge. Place it vertically behind the ppp, so that its clips face to the right and it overhangs by 1 row to the back.

140. Locate 1 dark bluish gray 2x2 inverted curved slope. Rotate it so that it slopes to the left. Place the front row of its rightmost column under the overhang of the ppp.

141. Locate 1 light bluish gray 1x2 tile. Place it horizontally on top of the 2nd row from the back.

142. Locate 1 light bluish gray 1x2 plate with 2 horizontal clips on long edge. Place it vertically behind the rightmost column of the ppp, so that its clips face to the right and it overhangs by 1 row to the back.

143.1 Let's make a small sub-build. Locate 1 trans-dark blue 2x4 plate. Place it horizontally in front of you. Locate 1 trans-light blue 1x4 tile. Place it centered horizontally on the front row of the ppp.

143.2 Locate 1 light bluish gray 2x6. Rotate it horizontally. Place it behind the ppp, so that it is flush with its left edge and it overhangs to the right by 2 columns.

143.3 The sub-build is done. Attach the overhanging columns of the ppp on top of the 2 back rows of the tank's plate, so that the sub-build overhangs to the left by 4 columns.

144. Locate 1 tan 1x2 rounded plate with open studs. Rotate it vertically. Place its back row under the front row of the 2nd column from the left. Locate 1 light bluish gray 1x1 round plate with hole. Place it on top of the front row of the ppp.

145. Locate 1 light bluish gray 3x6 left wedge plate. Rotate it horizontally, so that it points to the left. Place its back row on top of the 4th row from the back.

146. The tank's panel is done. Rotate it 180 degrees in the horizontal plane, so that its wedge plate is to the back and pointing to the right. Rotate the tank's panel horizontally upright, from back to front so that its antistuds are facing to the back and its clips are facing to the left. Attach its clips to the left handles of the front panel on the right side of the tank. Bring it as close as possible to the tank.

Book 1, bag 4:

Group 24 – Republic Juggernaut (continued)

147. Carefully flip the tank upside down. Rotate the tank 180 degrees on the horizontal plane. Locate 2 light bluish gray 2x2 plates with bar on bottom. Flip them upside down. Take the first one and rotate it so that its hinge is to the right. Place it centered vertically on top of the 13th and 14th columns from the right. Take the second one and rotate it so that its hinge is to the left. Place it centered vertically on top of the 17th and 18th columns from the right.

148.1 Let's make the connector for the center wheels. Locate 1 black 3x5 thin technic liftarm. Rotate it horizontally upright, so that its long edge is at the bottom and its holes face to the left and right. Locate 1 light bluish gray 3L technic 4 pin perpendicular connector. Rotate it vertically, so that its pins are to the left and right. Insert its left pins into the 2nd hole from the front and the 2nd hole from the back of bottom row of the ppp, so that they overhang to the left by ½ L.

148.2 Locate 1 black 3x5 thin technic liftarm. Rotate it horizontally upright, so that its long edge is at the bottom and its holes face to the left and right. Insert the overhanging pins of the ppp into the 2nd hole from the back of bottom row of the technic liftarm, so that they have no overhang.

148.3 Locate 2 light bluish gray 3L technic axles. Rotate them horizontally. Take the first one and insert it into the back hole of the bottom row of the 3x5 thin technic liftarms, so that it is flush with the left edge. Take the second one and insert it symmetrically into the front hole. Locate 2 black double rubber double axle connectors. Rotate them vertically, so that their axle holes face to the left and right. Take the first one and insert its back axle hole into the ppp, so that it overhangs to the right by 1L. Take the second one and insert it symmetrically on the back.

148.4 Locate 2 dark tan 3L axles with stud. Rotate them vertically upright so that their studs face upwards. Insert them from top to bottom into the front and back holes (facing upwards and downwards) of the 4 pin perpendicular connector.

148.5 Locate 2 black 3x5 thin technic lift arms. Rotate them horizontally upright, so that their long edge is at the bottom and their holes face to the left and right. Insert them into the overhanging pins and axles to the right, symmetrically to the 3x5 thin technic lift arms to the left.

148.6 The connector is complete. Insert its 2 overhanging axles to the bottom into the 2 holes of the tank base located between the 2x2 plates with hinge in the center (between the 14th and 17th columns from the right).

149. Locate 1 dark tan 1x3 rounded plate with holes. Place it vertically on top of the center of the connector of the center wheels, on top of the studs of the 3L axles of the previous step. Locate 1 yellow 1x1 round tile. Place it centered vertically on top of the ppp.

150. Locate 1 light bluish gray 3L pin with stop. Insert it from right to left into the top right hole of the connector for center wheels, but don't push it all the way through.

Group 25 – Republic Juggernaut (continued)

151.1 Let's make a small sub-build for the center wheels axle. Locate 1 light bluish gray axle and pin connector with perpendicular split. Rotate it so that its hole is on top, facing left and right, and its flat edge faces to the right. Place it horizontally in front of you.

151.2 Locate 1 dark bluish gray 1x11 liftarm. Rotate it horizontally, so that its holes face front and back. Place the ppp over the 1x11 liftarm and align the rightmost holes, so that your 1x11 liftarm is in between the 2 thin liftarms of the ppp. Locate 2 black 2L notched axles. Insert them from front to back of the axle holes, making sure that they go all the way through, affixing the lift arm.

151.3 Locate 1 light bluish gray axle and pin connector with perpendicular split and 2 black 2L notched axles. Attach them symmetrically to the left side of the liftarm.

151.4 The center wheels axle is complete. Rotate it 90 degrees clockwise in the horizontal plane. Place its middle hole aligned with the top holes of the connector of the center wheels. Fix it in place by pushing the 3L pin all the way, from right to left.

152. Locate 1 black 1x3 thin liftarm. Rotate it vertically upright, so that its holes face to the left and right. Locate 2 black 2L notched axles. Insert them from left to right, into the top and bottom axle holes of the ppp, so that they are flush with its right edge and they overhang to the left. Insert the top axle from right to left into the free hole located at the back of the center wheels axle. At the same time, the bottom axle will be inserted into the back axle hole of the rubber axle connector. Both axles will overhang to the left by 1/2 L. Locate 1 black 1x3 thin liftarm and 2 black 2L notched axles. Repeat the same operation symmetrically on the front.

153. Locate 2 black 1x3 thin liftarms. Rotate them vertically upright, so that their holes face to the left and right. Attach them to the overhanging axles of the previous step, fixing the center wheel axle into place.

Group 26 – Republic Juggernaut (continued)

154.1 We need to make 2 identical sub-builds for the remaining wheel connectors. Locate 1 black no. 4 axle and pin connector (angled at 135 degrees). Rotate it horizontally upright so that its pin hole faces front and back, one of its axle connectors faces to the left, and the other one faces to the right and upwards. Locate 1 red 4L axle. Insert it from left to right into the left-facing connector of the ppp, so that the axle overhangs to the left by 3L.

154.2 Locate 1 dark bluish gray 1x2 brick with dual liftarm extensions. Flip it upside down. Rotate it so that its axle holes are to the front and face left and right. Insert the overhanging axle from left to right into the axle holes, so that it overhangs to the left by 1L.

154.3 Locate 1 black no. 4 axle and pin connector (angled at 135 degrees). Attach it to the overhanging axle, so that it is symmetrical to the other connector. Locate 1 black technic pin. Attach it from back to front into the pin hole on the back, so that it overhangs by 1L to the back.

154.4 Locate 2 blue 3L pins. Rotate them vertically, so that their short end is to the back. Insert them into the front-facing holes on the left and right of the sub-build.

154.5 Locate 2 tan 1x1 spacers. Insert them into the ppps.

154.6.1 Let's make the front part of the wheel connector. Locate 1 black no. 4 axle and pin connector (angled at 135 degrees). Rotate it horizontally upright so that its pin hole faces front and back, one of its axle connectors faces to the left, and the other one faces to the right and upwards. Locate 1 red 4L axle. Insert it from left to right into the left-facing connector of the ppp, so that the axle overhangs to the left by 3L.

154.6.2 Locate 1 dark bluish gray 1x2 brick with dual liftarm extensions. Flip it upside down. Rotate it so that its axle holes are to the back and face left and right. Insert the overhanging axle from right to left into the axle holes, so that it overhangs to the left by 1L.

154.6.3 Locate 1 black no. 4 axle and pin connector (angled at 135 degrees). Attach it to the overhanging axle, so that it is symmetrical to the other connector. Locate 1 black technic pin. Attach it from front to back into the pin hole on the back, so that it overhangs by 1L to the back.

154.6.4 Insert the pin holes into the overhanging pins to the front of the wheel connector.

154.7 The first wheel connector is ready. Attach its bottom-facing antistuds to the 3rd and 4th columns from the right of the front and back rows of the tank base.

154.8 Make a second wheel connector and attach it to the 4th and 5th columns from the left of the front and back rows of the tank base.

Group 27 – Republic Juggernaut (continued)

155. Locate 4 dark bluish gray 1x3 technic liftarms. Rotate them vertically upright. Take the first one and attach its top and bottom holes to the front-facing pins on the left side of the tank base. Take the second one and attach its top and bottom holes to the front-facing pins on the right side of the tank base. Take the remaining 2 and attach them symmetrically to the back.

156. Locate 4 blue axles with pin. Take the first 2 and insert their axle into the left- and upwards-facing connectors located on the left side of the wheel connector located on the right side of the tank base. Take the remaining 2 and insert them symmetrically on the wheel connector located on the left side of the tank base.

157. Locate 2 dark bluish gray 1x3 technic liftarms. Take the first one and rotate it vertically upright, so that its holes face to the left and right. Attach its bottom and front hole to the ppps. Take the second one and attach it symmetrically on the right wheel connector. Locate 2 light bluish gray pin connectors without friction ridges. Take the first one and attach it to the center hole of the ppp, so that it overhangs to left and it points upwards. Take the second one and attach it symmetrically on the left wheel connector.

158. Locate 4 black 2L notched axles. Take the first 2 and insert them into the right- and upwards-facing connectors located on the right side of the wheel connector located on the right side of the tank base. Take the remaining 2 and insert them symmetrically on the wheel connector located on the left.

159. Locate 2 light bluish gray axle and pin connectors with pin hole. Take the first one and rotate it vertically upright, so that its axle holes face left and right. Attach it to the ppps. Take the second one and attach it symmetrically on the wheel connector on the right. Locate 2 light bluish gray pin connectors without friction ridges. Take the first one and attach it to the center hole of the ppp, so that it overhangs to left and it points upwards. Take the second one and attach it symmetrically on the left wheel connector.

Group 28 – Republic Juggernaut (continued)

160. Locate 2 dark bluish gray 2x3 plates. Rotate them horizontally upright, so that their antistuds face to the back. Take the first one and attach its bottom row to the 2 rightmost front-facing side studs of the tank's base. Take the second one and attach its bottom row to the 2 leftmost front-facing side studs of the tank's base. Locate 1 dark bluish gray 2x2 round tile with stud. Attach it to the 2 rightmost columns of the ppp. Locate 1 light bluish gray 1x1 round plate with handle. Attach it to the ppp, so that its handle points to the left and upwards.

161.1 We need to make 2 identical sub-builds. Locate 1 dark bluish gray 2x8 plate. Place it horizontally in front of you. Locate 1 dark bluish gray 2x2 round tile with stud. Place it centered vertically on top of the 2 leftmost columns of ppp.

161.2 Locate 1 dark bluish gray 2x2 round tile with stud. Place its leftmost column on top of the rightmost column of the 2x8 plate, so that it overhangs to the right by 1 column.

161.3 Locate 1 dark bluish gray 1x2 plate. Rotate it vertically. Place it under the overhang of the ppp.

161.4 Locate 2 light bluish gray 1x1 round plates with handle. Place them on top of the 2x2 round tiles with stud, so that their handles point to the right and to the back.

161.5 The first sub-build is ready. Attach its bottom row to the 3 front-facing side studs on the left side of the tank's base.

161.6 Make a second sub-build and attach its bottom row to the 3 front-facing side studs on the right side of the tank's base.

162. Rotate the tank 180 degrees on the horizontal plane. Locate 2 dark bluish gray 2x3 plates. Rotate them horizontally upright, so that their antistuds face to the back. Take the first one and attach its bottom row to the 2 leftmost front-facing side studs of the tank's base. Take the second one and attach its bottom row to the 2 rightmost front-facing side studs of the tank's base. Locate 1 dark bluish gray 2x2 round tile with stud. Attach it to the 2 leftmost columns of the ppp. Locate 1 light bluish gray 1x1 round plate with handle. Attach it to the ppp, so that its handle points to the right and upwards.

163.1 We need to make 2 identical sub-builds. Locate 1 dark bluish gray 2x8 plate. Place it horizontally in front of you. Locate 1 dark bluish gray 2x2 round tile with stud. Place it centered vertically on top of the 2 rightmost columns of the ppp.

163.2 Locate 1 dark bluish gray 2x2 round tile with stud. Place its rightmost column on top of the leftmost column of the 2x8 plate, so that it overhangs to the left by 1 column.

163.3 Locate 1 dark bluish gray 1x2 plate. Rotate it vertically. Place it under the overhang of the ppp.

163.4 Locate 2 light bluish gray 1x1 round plates with handle. Place them on top of the 2x2 round tiles with stud, so that their handles point to the left and to the back.

163.5 The first sub-build is ready. Attach its bottom row to the 3 front-facing side studs on the right side of the tank's base.

163.6 Make a second sub-build and attach its bottom row to the 3 front-facing side studs on the left side of the tank's base.

Group 29 – Republic Juggernaut (continued)

164.1 We need to make 4 identical sub-builds for the remaining wheel axles. Locate 1 light bluish gray axle and pin connector with perpendicular split. Rotate it so that its hole is on top, facing left and right, and its flat edge faces to the right. Place it horizontally in front of you.

164.2 Locate 1 dark bluish gray 1x11 lift arm. Rotate it horizontally, so that its holes face front and back. Align its 2 rightmost holes with the axle holes of the ppp. Locate 2 black 2L notched axles. Insert them from front to back of the axle holes, making sure that they go all the way through, affixing the lift arm.

164.3 Locate 1 light bluish gray axle and pin connector with perpendicular split and 2 black 2L notched axles. Attach them symmetrically to the left side of the liftarm.

164.4 The wheels axle sub-build is complete. Make 4 in total. Rotate them 90 degrees clockwise in the horizontal plane. Take the first 2 and rotate them 45 degrees counterclockwise on the front plane, so that the holes of their axle face upwards to the right and downwards to the left. Attach their middle hole to the pins facing to the right and upwards of the wheel connectors on the left side of the tank. Take the remaining 2 and rotate them 45 degrees clockwise on the front plane, so that holes of their axle face upwards to the left and downwards to the right. Attach their middle hole to the pins facing to the left and upwards of the wheel connectors on the right side of the tank.

Book 1, bag 5:

Group 30 – Republic Juggernaut wheels

165. We need to make 10 identical wheels. Let's begin with the first one. Locate 1 light bluish gray 6x6 round plate with hole. Place it in front of you. Locate 1 white 2x2 round plate with hole. Place it centered on top of the ppp.

166. Locate 1 black 4x4 round plate with 2x2 open center. Place it centered on top of the 6x6 round plate, so that the ppp is at its center.

167. Locate 1 light bluish gray 6x6 round plate with hole. Place it centered on top of the wheel build.

168. Locate 1 white 2x2 round plate with hole. Place it centered on top of the ppp. Locate 1 black 4x4 round plate with 2x2 open center. Place it centered on top of the 6x6 round plate, so that the ppp is at its center.

169. Locate 1 sand blue 6x6 round plate with hole. Place it centered on top of the wheel build.

170. Locate 1 light bluish gray 2x2 round tile with stud. Place it centered on top of the ppp.

171. Locate 1 dark bluish gray 1x3 tile. Place it centered horizontally on top of the ppp.

172. Locate 4 light bluish gray 3x3 round corners. Place them on top of the 6x6 round plate, so that their shapes are aligned, making a circle themselves.

173. The first wheel is complete. Rotate it upright so that its antistuds face to the back. Align its hole with one of the front-facing pin holes of the wheel axles. Locate 1 reddish brown 3L axle with stop. Insert it into the pin hole from back to front, fixing the wheel. Make sure that the pin goes all the way.

Build another 9 wheels and attach them similarly to the remaining wheel axles using 9 other reddish brown 3L axles with stop. Make sure that the wheels are in the correct orientation (their antistuds should always face towards the tank's base).

Finally, flip the tank right-side up, from front to back.

Book 1, bag 6:

Group 31 – Clone Commander Bacara, Ki-Adi-Mundi

Let's put together Clone Commander Bacara. Locate 1 white pair of legs with light bluish gray markings and dark red kama, 1 white torso printed with black pauldron, belt, and black hands, and 1 nougat minifigure head. Assemble your minifigure. If you wish, ask a sighted friend to make sure that the face print is facing the right way. Then, put on his commander helmet. Complete his look by putting a black blaster in his right hand.

Let's continue with Ki-Adi-Mundi. Locate 1 dark brown pair of legs with dark tan jedi robes, 1 dark brown torso printed with jedi robe, dark tan arms, and light nougat hands, and 1 light nougat minifigure head with light bluish gray bushy eyebrows and moustache. Assemble your minifigure. Ask a sighted friend to make sure that the face print is facing the right way. Then, put on his head top, making sure that his ponytail is facing to the back. Complete his look by putting a metallic silver lightsaber hilt in his right hand. Then, attach a trans-light blue 4L lightsaber to it.

Group 32 – Republic Juggernaut (continued)

174. Let's build one of the tank's top covers. Place 1 light bluish gray 4x4 plate in front of you. Locate 1 dark bluish gray 1x4 plate. Place it centered horizontally under the back row of the ppp.

175. Locate 2 dark bluish gray 1x4 plates. Rotate them vertically. Place the first one in front of the leftmost column of the ppp. Place the second one symmetrically on the right.

176. Locate 1 white 1x2 plate with 1x2 upright side studs. Place it centered horizontally under the 2 central columns of the 4x4 plate, so that its side studs face to the front.

177. Locate 3 dark bluish gray 1x2 jumper plates. Place the first one horizontally on the side studs of the ppp. Place the second one centered horizontally on the 3rd row from the back. Place the last one horizontally in front of the ppp.

178. Locate 2 dark bluish gray 1x2 plates with handle on short edge. Rotate the first one vertically, so that its handle faces to the front. Place its back row on top of the front row of the leftmost column. Place the second one symmetrically on the right.

Group 33 – Republic Juggernaut (continued)

179. Locate 2 light bluish gray 1x4 plates. Rotate them vertically and place their 2 front rows on top of the ppps.

180. Place 1 light bluish gray stud shooter vertically on top of the 2 jumper plates on top, so that its open end faces to the back. Insert 1 dark bluish gray trigger vertically into the slot on top of the ppp, so that its thicker tab is to the back.

181. Place 1 black 1x1 plate with 1x1 side stud hanging down on top of the front row of the shooter, so that its side stud faces to the front. Locate 1 dark bluish gray 1x1 plate with horizontal clip. Attach it to the side stud of the ppp, so that its clip points upwards.

182. Rotate 1 light bluish gray 1x2 grille tile vertically upright. Attach it to the 2 front-facing side studs.

183. Locate 2 light bluish gray 1x1 corner panels. Place the first one on the front row of the leftmost column, so that its flat edges face to the left and back. Place the second one symmetrically on the right. Locate 2 light bluish gray 1x1 curved slopes. Place them behind the ppps, so that they slope to the back.

184. Attach 1 black bucket handle to the upwards-facing clip, so that it points to the front.

185. This tank's top cover is complete. Bring back the tank and rotate it 180 degrees in the horizontal plane. Rotate the tank's top cover 90 degrees clockwise. Attach its left-facing handles to the upwards-facing clips located on the top of the right side of the tank, approximately on the 6th column from the right.

Group 34 – Republic Juggernaut (continued)

186.1 Let's build another of the tank's top panels. Place a light bluish gray 4x6 tile with studs on edge horizontally in front of you, so that its edge with no studs is facing to the front. Locate 1 dark bluish gray 1x2 grille tile. Place it vertically on the back of the rightmost column of the ppp, so that it has no overhang.

186.2 Locate 3 dark bluish gray 1x2 grille tiles. Place the first one vertically in front of the ppp. Place the remaining 2 symmetrically on the left.

186.3 Locate 2 light bluish gray 2x2 plates with bar on bottom. Rotate them so that their bar is to the front. Take the first one and place its rightmost column under the leftmost column of the build, so that it is flush with its back edge. Place the second one symmetrically on the right.

186.4 Locate 1 light bluish gray 2x4 pointed left wedge. Rotate it vertically so that it points to the front. Place the 2 back rows of its leftmost column on top of the rightmost column of the ppp. Locate 1 light bluish gray 2x4 pointed right wedge. Place it symmetrically on the left.

186.5 Flip the build upside down, from front to back. Locate 2 black 1x2 plates with horizontal clip on short edge. Flip them upside down and rotate them vertically, so that their clips are to the front. Take the first one and place it to the right of the 2x2 plate with hinge, so that its clip overhangs to the front. Place the second one symmetrically on the right. Locate 2 black 1x2 inverted curved slopes. Flip them upside down and rotate them vertically, so that they slope to the back. Place the front row of the 1x2 inverted slope on the back row of the ppp. Take the second one and repeat symmetrically on the left.

186.6 This tank's top panel is done. Flip it right-side up from front to back and rotate it 90 degrees counterclockwise, so that its clips are to the left. Attach them to the right-facing handles located on the top of the middle section of the tank, approximately on the 11th column from the left (starting on the 2x2 round tiles with hole).

Group 35 – Republic Juggernaut (continued)

187.1 Let's build another of the tank's top panels. Place 1 light bluish gray 4x8 plate vertically in front of you. Locate 1 light bluish 1x4 tile. Rotate it horizontally. Place its 2 rightmost columns on top of the 2 leftmost columns of the 2nd row from the back of the ppp, so that it overhangs to the left by 2 columns.

187.2 Locate 1 light bluish gray 4x8 plate. Rotate it vertically. Place the 2 rightmost columns of the 2nd row from the back under the overhang of the ppp.

187.3 Place 1 light bluish gray 1x4 tile centered horizontally on the 2nd row from the front.

187.4 Flip the build upside down from front to back. Locate 2 tan 2x2 round plates with rounded bottom and flip them upside down. Place the first centered horizontally on the 2 back rows of the build. Place the second one symmetrically on the front.

187.5 Flip the build right-side up from front to back. Locate 2 dark bluish gray 1x2 tiles with bar handle. Place the first one centered horizontally on the 3rd row from the back, so that its flat edge faces to the front. Place the second one symmetrically on the front.

187.6 This tank's top panel is complete. Place it on the top square hole located on the left side of the tank. Notice that it will not attach to anything, but it will rest on top of the rails of some plates.

188.1 Let's make a build for the tank's antenna. Place 1 light bluish gray 4x4 dome top with 2x2 recessed center in front of you. Place 1 dark bluish gray truncated cone on top of the ppp.

188.2 Place 1 light bluish gray 1x1 round plate with hole on top of the ppp.

188.3 Locate 1 black blaster with studs on side. Insert its handle into the hole of the ppp. Locate 1 light bluish gray wand sprue. Detach one wand and insert its handle into the blaster's barrel. Locate 1 light bluish gray 2x2 inverted radar dish. Insert it into the ppp, so that its concave surface faces towards the blaster.

188.4 The tank's antenna is complete. Attach its 2 leftmost columns to the top of the 2 rightmost columns of the last tank's top panel, so that it is centered vertically. You can rotate the antenna in any direction you wish, but for now let's make it point to the left.

Group 36 – Republic Juggernaut (continued)

189. Let's build the last of the tank's top panels. Place 1 dark bluish gray 4x6 plate horizontally in front of you. Locate 1 light bluish gray 2x4 plate and rotate it horizontally. Place its front row on top of the back row of the ppp, so that it is centered horizontally and it overhangs to the back by 1 row.

190. Locate 1 dark bluish gray 4x4 plate with 2x2 open center. Place it in front of the ppp.

191. Locate 1 light bluish gray 3x6 left wedge. Rotate it vertically so that it points to the back. Place its rightmost column on top of the leftmost column of the build, so that it is centered vertically. Place 1 light bluish gray 3x6 right wedge symmetrically on the right.

192. Flip the build upside down, from right to left. Locate 2 light bluish gray 1x2 plates with clips on long edge. Flip them upside down and rotate them so that their clips face to the front. Attach the first one to the front row of the 3rd and 4th columns from the left, so that its left edge is flush with the left edge of the 4x6 behind it. Place the second one symmetrically on the right.

193. Locate 2 tan 2x2 round plates with rounded bottom. Flip them upside down. Take the first one and place its front row on top of the ppp. Place the second one symmetrically on the left.

194. Flip the build right-side up from left to right. Place 1 reddish brown 1x2 hinge base horizontally on the 3rd row from the front, so that it is centered horizontally and its flat edge faces to the back.

195. Locate 2 dark bluish gray 1x2 grille tiles. Place the first one horizontally on top of the 2nd and 3rd columns from the left of the front row. Place the second one symmetrically on the right. Locate 2 sand blue 1x1 sloped tiles. Place the first one behind the rightmost column of the ppp, so that it slopes to the right. Place the second one symmetrically on the left.

196. Locate 2 sand blue 3x3 round corners. Take the first one and rotate it so that its longer curved edge faces to the left back. Place its leftmost column behind the ppp. Place the second one symmetrically to the right.

197.1 Let's make a small sub-build for the tank's dome. Place a dark bluish gray 4x4 round plate in front of you. Place 1 light bluish gray 2x2 round tile with hole centered on top of the ppp.

197.2 Flip the sub-build upside down from right to left. Locate 1 light bluish gray 2x2 plate with bar on bottom. Flip it upside down and rotate it so that its bar faces to the back. Place it centered on top of the sub-build.

197.3 The dome's sub-build is done. Flip it right-side up from left to right. Attach its hinge to the hinge brick of the tank's top panel. It will attach in an angle.

198. The last tank's top panel is done. Rotate it 90 degrees counterclockwise, so that its clips are facing to the right. Attach them to the handles located on the top left side of the tank.

Group 37 – Republic Juggernaut (continued)

199.1 Let's make a build for the tank's crow's nest. Place 1 dark bluish gray 1x2 brick with axle hole vertically in front of you. Insert 1 dark bluish gray 8L technic axle with stop from right to left into the axle hole of the ppp, so that its stop is to the right.

199.2 Locate 1 light bluish gray 1x2 brick with hole. Rotate it vertically, so that its hole faces to the left and right. Place it to the right of the 1x2 brick with axle hole.

199.3 Locate 1 dark bluish gray 2x2 plate with centered 1x2 upright plate. Rotate it so that its 2x2 antistuds are facing downwards and its 1x2 antistuds are facing to the left. Place it on top of the 2x2 studded surface created by the 1x2 bricks.

199.4 Attach 1 light bluish gray 2x2 rounded bottom plate under the 2x2 antistuds created by both of the 1x2 bricks, so that it has no overhang.

199.5 Locate 1 dark bluish gray 1x2 plate with 2x2 upright side studs. Rotate it so that its antistuds are facing to the left and its side studs are facing upwards. Attach it to the left-facing side studs. Place 1 light bluish gray 2x2 tile on top of the side studs of the ppp.

199.6 The tank's crow nest is finished. Rotate it vertically upright by flipping it 90 degrees from right to left. Insert its axle into the hole centered vertically located to the right of the clips of the previously attached tank's top panel. You can pull and push the crow's nest to whatever altitude you wish, but for now we will push it all the way down.

200. Lastly, you can use the 8 trans-red 1x1 round tiles as ammunition for the tank's shooters. Just be careful not to point or shoot them at anyone's face.

At the end of the instruction booklet, you will find two pages advertising other sets from the wave. On the first one, you will find sets 75433 (Jango Fett's Starship) and 75431 (327th Star Corps Clone Troopers Battle Pack) on the front row. On the bottom row, you will find sets 75434 (K-2SO) and 75435 (Battle of Felucia Separatist MTT). On the second page, you will find sets 75428 (Battle Droid with STAP) and 75413 (Republic Juggernaut, this set) on the top row. On the bottom row, you will find sets 75432 (V-19 Torrent Starfighter), 75414 (The Force Burner Snowspeeder), and 75430 (Wicked the Ewok).

Afterwards, you will find the set inventory. On the last page you will find an invitation to share feedback.

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!

We hope you enjoyed building your LEGO set! Bricks for the Blind are able to create these text-based building instructions thanks to generous donations from our builders. If you enjoy the instructions we create, please consider making a \$5 donation at: <https://www.gofundme.com/f/bricks-for-the-blind-gofundme>.

Bricks for the Blind is a registered tax exempt 501(c)(3) corporation.

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