77118 Silver's Car vs. Knuckles' Monster Truck

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Racing adventures await kids ages 8 and up in this LEGO® Sonic the Hedgehog™ Silver's Car vs. Knuckles' Monster Truck (77118) video game building toy. Based on the Sonic Racing: CrossWorlds console game, race car and gaming fans can imagine racing around with Knuckles and the first-ever Silver the Hedgehog minifigure to see who will win. This collectible LEGO gaming merch playset includes 2 Chaos Emeralds in red and white on top of the rolling toolbox, a starting light and tools for imaginative role-play possibilities. This race car and monster truck building toy makes a fun birthday or gamer gift and fulfills a child's passion for vehicles and action-packed adventures.

SONIC THE HEDGEHOG™ RACING TOY – Kids and gamers ages 8 plus can race 2 vehicles and enjoy fast action-toy play in this gaming merch building kit, which includes Silver and Knuckles minifigures,

PLAY OUT VIDEO GAME ACTION – Based on the Sonic Racing: CrossWorlds console game, this racing video game toy features a red and black monster truck and white race car with fins,

RACE CAR IMAGINATION TOY – Kids can pretend play as mechanics using the toolbox and tools to work on Silver's Car vs. Knuckles' Monster Truck (77118), playing out racing scenes,

SILVER THE HEDGEHOG, KNUCKLES AND MORE – The building set includes the first-ever LEGO® minifigure of Silver, a Knuckles minifigure, a toolbox, tools, starting lights and red and white Chaos Emeralds,

DIMENSIONS – This 378-piece race car toy includes 2 minifigures, a race car, and a LEGO® monster truck building toy that measures over 2.5 in. (7 cm) high,5 in. (13 cm) long and 3.5 in. (9 cm) wide,

The front of the box shows Knuckles in his red monster truck racing Silver in his car!

The back of the box shows Knuckles using a tool cart to fix his truck!

The top of the box shows a real size image of Silver!

The build is 378 pieces in total and is for ages 8+.

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

- In Front of/Front: towards you.
- Behind/Back: away from you.
- Up: towards the ceiling.
- Down: towards the floor.
- Stud: the bump on a LEGO brick. Example: A 2x1 brick has two studs on it.
- Vertically: with the longest side going from front to back
- Horizontally: with the longest side going from left to right.
- Upright: pointing up towards the ceiling.
- Standing upright: The piece is perpendicular to the ground, like a wall.
- Lying flat: The piece is parallel to the ground, like a piece of toast which fell off the table.

- That one/ppp: previously placed piece.
- Plate: piece with studs.
- Tile: smooth piece without studs (unless otherwise specified)
- A jumper plate is a 1x2 plate with a single stud on top, or a 1x3 plate with only two studs on top.
- “Anti-stud” is a term for the portion of a LEGO piece which accepts studs, like the bottom of a plate or brick.
- Symmetrically: a mirror image. Example: If you place a 2x1 brick with technic connector on the front wall at the right, connector to the front, and then place another such piece symmetrically on the back wall, at the right, the technic connector of the second piece should point to the back, since it will be placed symmetrically.
- Centered-vertically: even amount of space in front of and behind piece
- Centered-horizontally: even amount of space left and right of piece.
- Row: studs lined up horizontally (left to right/side to side).
- Column: studs lined up upright or vertically (top to bottom/back to front).

A note on LEGO Technic™ part names. These parts are somewhat different from regular LEGO bricks. Here are some definitions in case the builder or helper is not familiar with LEGO Technic™.

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

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

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

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

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

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

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

For builders with low vision, or a sighted building partner may want to follow along with the printed visual instructions that come with each kit, or PDF versions are always online at LEGO.com for each set: (https://www.lego.com/en-us/service/buildinginstructions/77118) As low vision users may benefit from viewing the instructions on a personal device where they can zoom in on content and use assistive technologies to enhance the visuals.

Sorting the pieces:

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

This LEGO set comes with 3 bags labeled 1 to 3, 2 sets of instructions, and some loose pieces. Sort the pieces into groups or piles as described below. Note that where there are multiple colors of the same brick in a step, the colors will be split into 2 groups to make telling the difference easier for the builder! LEGO includes a few spare parts in case you lose something. Set these into their own group away from the rest, in case you need them later.

Bag 1 - Silver and Car
Group 1 - Page 4.
Group 2 - Steps 1-10.
Group 3 - Steps 11-16.
Group 4 - Steps 17-19.
Group 5 - Steps 20-32.
Group 6 - Steps 33-34 and 1 black 1x1 slope tile from Step 35.
Group 7 - Rest of Step 35, Steps 36-44, and 1 white 1x1 slope tile from Step 45.
Group 8 - Rest of Step 45 and Steps 46-47.

Bag 2 - Knuckles, Tool Cart, and Monster Truck
Group 9 - Page 2.
Group 10 - Steps 1-9 and 1 transparent diamond from Step 10.
Group 11 - Rest of Step 10 and Steps 1-15.
Group 12 - Steps 16-19.
Group 13 - Steps 20-26.

Bag 3 - Monster Truck and Starting Lights
Group 14 - Steps 27-39.
Group 15 - Steps 40-45.
Group 16 - Steps 46-58.
Group 17 - Steps 59-69.
Group 18 - Step 1.
Group 19 - 1 transparent red 1x1 round tile from Step 2.
Group 20 - Rest of Step 2 and Steps 3-5.

Let’s get to building!

Building Instructions (Bag 1, Book 1):

Group 1 - Silver

Sub-build 1. Locate 1 light grey pair of legs printed with teal and black shoes, 1 light grey body with white fur, and 1 light grey spikey head printed with eyes, nose, and lips. Assemble your minifigure then put him away while we make his car!

Group 2 - Silver’s Car

Step 1

Horizontally place a dark grey 2x4 plate with 1x2 bricks with axle holes on the ends in front of you. Then horizontally place a lime green 1x2 rounded plate on the back row so it is centered horizontally.

Step 2

Horizontally place a dark grey 1x2 plate with 4 side studs hanging down on the back row so it is centered horizontally and the side studs face the back. Now horizontally place a light blue 1x4 plate upright on the back-facing side studs.

Step 3

Rotate your build so it is vertical and the side studs face the right. Now horizontally place a black 2x8 plate on the leftmost column so it is centered vertically and overhangs 7 columns to the left.

Step 4

Vertically place a dark grey 2x4 plate with 1x2 bricks with axle holes on the ends underneath the leftmost column so it is centered vertically and 1 column is exposed to the left.

Step 5

Place the rightmost column of the back row of a black 3x3 corner plate on the 2nd row from the front of the leftmost column so the right angle faces the back left and it overhangs 2 columns to the left and 2 rows to the front. Repeat symmetrically to the back. Then, place a black 1x4 rounded plate vertically underneath the leftmost column so it is centered vertically.

Step 6

Place a tan 2x2 plate on the 3rd and 4th columns from the left so it is centered vertically.

Step 7

Vertically place a dark grey 1x4 plate with inverted sloped sides on the 2nd column from the left so it is centered vertically. Then place a transparent aqua 1x1 round plate on the front row of the ppp. Then repeat symmetrically to the back. Now place a dark grey 2x2 sloped curved tile on the 2 leftmost columns so it is centered vertically and slopes to the left.

Step 8

Horizontally place a yellow 1x2 plate with 2 side studs hanging down on the front row of the 5th and 6th columns from the left so the side studs face the front. Then repeat symmetrically to the back. Now horizontally place 1 on the front row of the 3rd and 4th columns from the right so the side studs face the front. Then repeat symmetrically to the back.

Step 9

Horizontally place a white 2x3 plate on the 3 rightmost columns so it is centered vertically. Then horizontally place another 1 on the 3rd to 5th columns from the left so it is also centered vertically.

Step 10

Insert a tan 2L pin axle into the leftmost front-facing axle hole so the pin faces the front. Then repeat symmetrically to the right. Then repeat both parts symmetrically to the back.

Group 3 - Silver’s Car

Step 11.1

Let’s make a part! Horizontally place a black 1x6 plate in front of you. Then horizontally place a light blue 1x4 plate on top so it is centered horizontally.

Step 11.2

Horizontally place a dark grey 1x2 plate on top so it is centered horizontally. Now place a dark grey 1x1 round tile on the leftmost column. Then repeat symmetrically to the right.

Step 11.3
Place a black 1x1 plate with an upright side stud on the 2nd column from the left so the side stud faces the left. Then repeat symmetrically to the right.

Step 11.4
Horizontally place a black 1x2 grill tile on the 2nd and 3rd columns from the right. Then horizontally place a black 1x2 right wedge tile to the left of the ppp so the angled side faces the front right.

Step 11.5
Horizontally place your part upright on the 4 front-facing side studs so the 1x2 grill tile is on the right.

Step 12.1
Let's make a part! Horizontally place a black 1x6 plate in front of you. Then horizontally place a light blue 1x4 plate on top so it is centered horizontally.

Step 12.2
Horizontally place a dark grey 1x2 plate on top so it is centered horizontally. Now place a dark grey 1x1 round tile on the leftmost column. Then repeat symmetrically to the right.

Step 12.3
Place a black 1x1 plate with an upright side stud on the 2nd column from the left so the side stud faces the left. Then repeat symmetrically to the right.

Step 12.4
Horizontally place a black 1x2 grill tile on the 2nd and 3rd columns from the right. Then horizontally place a black 1x2 tile with a cutoff corner to the left of the ppp so the cutoff corner faces the back right.

Step 12.5
Horizontally place your part upright on the 4 back-facing side studs so the 1x2 grill tile is on the right.

Step 13
Place a yellow 2x2 sloped curved brick on the 2 rightmost columns so it is centered vertically and slopes to the right.

Step 14
Place a white 2x2 mudguard in front of the ppp so the mudguard faces the front. Then repeat symmetrically to the back.

Step 15

Vertically place a black 1x6 plate on the 4th column from the right so it is centered vertically. Now vertically place another 1 to the left of the ppp so there are 2 free columns in between them and it is centered vertically.

Step 16

Place a black 2x2 slope brick on the 3rd and 4th columns from the right so it is centered vertically and slopes to the left.

Group 4 - Silver’s Car

Step 17.1

Let’s make 2 identical parts! Horizontally place a light grey 1x5 plate in front of you. Then horizontally place a transparent aqua 1x2 plate on the 2 rightmost columns. Now place a black 1x1 round plate on the rightmost column.

Step 17.2

Now you should have 2 identical parts! Horizontally place 1 part on the 2nd row from the front of the 3rd to 7th columns from the right so the 1x1 round plate is on the right. Then repeat symmetrically to the back.

Step 18.1

Let’s make 2 identical parts! Horizontally place a black 1x3 plate in front of you. Then horizontally place a white 1x4 plate on top so 1 column overhangs to the right. Now horizontally place a dark grey 1x1 plate with a 1x1 inverted slope underneath the rightmost column so 1 column slopes and is exposed to the right. Now horizontally place a white 1x2 tile on the 2nd and 3rd columns from the left.

Step 18.2

Now you should have 2 identical parts! Horizontally place 1 part on the back row, on the 4th to 7th columns from the right so it slopes and overhangs 1 column to the right. Then repeat symmetrically to the back.

Step 19

Place a white 2x2 sloped curved tile on the front 2 rows of the 3rd and 4th columns from the right so it slopes to the left. Then repeat symmetrically to the back.

Group 5 - Silver’s Car

Step 20.1

Let’s make a part! Horizontally place a black 1x6 plate in front of you. Then horizontally place 2 dark grey 1x2 plates, 1 to the right of the other, on top so together they are centered horizontally.

Step 20.2

Place a black 1x1 slope tile on the leftmost column so it slopes to the left. Then place a transparent orange 1x1 round plate to the right of the ppp. Now repeat both parts symmetrically to the right. Then horizontally place a black 1x2 grill tile on top of your part so it is centered horizontally.

Step 20.3

Horizontally place your part upright on the right-facing side studs so it is centered horizontally.

Step 21.1

Let’s make a part! Vertically place a dark grey 1x4 brick with 4 side studs in front of you so the side studs face the right. Now horizontally place a lime green 1x2 rounded plate upright on the right-facing side studs so it is centered horizontally. Then horizontally place a white 2x3 plate on top of your part so it is centered vertically and overhangs 2 columns to the left.

Step 21.2

Place your part on the 2 rightmost columns so it is centered vertically, 1 column sits on the other parts to the right, and the side studs face the right.

Step 22

Vertically place a white 1x6 tile on the 3rd column from the right so it is centered vertically. Then horizontally place a white 1x2 curved sloped right wedge tile to the right of the front row of the ppp so it slopes and overhangs to the right. The angled side should face the front right. Now, repeat this placement symmetrically to the back with a white 1x2 curved sloped left wedge tile.

Step 23

Horizontally place 2 white 1x3 sloped curved tiles, 1 in front of the other, upright on the top row of right-facing side studs so together they are centered horizontally and slope outwards to the front and back.

Step 24

Place a white 2x2 sloped curved tile on the rightmost column so it is centered vertically and sits on the upright parts to the right. Now place a transparent aqua 1x1 plate with a horizontal tooth on the rightmost column, in front of the ppp so the tooth faces the right. Then repeat symmetrically to the back.

Step 25.1

Let’s make a part! Horizontally place a dark grey 1x2 hinge panel in front of you so the wall faces the front. Then horizontally place a black 1x2 plate with a hinge bar underneath on top of the ppp so the studs

face up. Now place a white 1x1 plate with an upright side stud on the right column so the side stud faces the right.

Step 25.2
Horizontally place a white 1x4 curved sloped left wedge tile on top so it slopes and overhangs 2 columns to the left, and the angled side faces the front left. Now place a white 1x1 plate with a tooth upright on the right-facing side stud so the tooth faces down.

Step 25.3
Horizontally place your part on the back right corner so it slopes to the left.

Step 26.1
Let’s make a part! Place a white 2x2 plate with a hinge bar underneath in front of you so the bar is on the left. Then vertically place a transparent aqua 1x2 plate on the left column. Now horizontally place a black 2x3 plate with a round side and a pinhole on the right column so it is centered vertically and the round side overhangs 2 columns to the right. Now horizontally place a white 2x3 pentagonal tile printed with a light blue key on top so the angled side faces the left.

Step 26.2
Vertically attach a dark grey 1x2 hinge panel to the bottom-facing bar so the wall faces the left. Now vertically place your part on the 5th column from the right so it is centered vertically, sits in front of the previous part, and the round side faces the right.

Step 26.3
Now push it down so it slopes and overhangs 1 column to the right.

Step 27.1
Let’s make a part! Horizontally place a dark grey 1x2 hinge panel in front of you so the wall faces the front. Then horizontally place a black 1x2 plate with a hinge bar underneath on top of the ppp so the studs face up. Now place a white 1x1 plate with an upright side stud on the left column so the side stud faces the left.

Step 27.2
Horizontally place a white 1x4 curved sloped right wedge tile on top so it slopes and overhangs 2 columns to the right, and the angled side faces the front right. Now place a white 1x1 plate with a horizontal tooth upright on the left-facing side stud so the tooth faces down.

Step 27.3
Horizontally place your part on the front right corner so it slopes to the left.

Step 28
Bend the previous part to the front so it is diagonal. Then repeat symmetrically to the back.

Step 29

Vertically place a dark grey 1x2 steering wheel on the 6th column from the left so it is centered vertically and the wheel faces the right.

Step 30

Vertically place a dark grey 1x4 plate with inverted sloped sides to the left of the ppp so it is centered vertically. Now horizontally place 2 red 1x2 plates with a stud and an upright clip, 1 in front of the other, to the left of the ppp so together they are centered vertically and the clips are on the left.

Step 31

Place a black 2x2 slope brick to the right of the clips of the ppp so it is centered vertically and slopes to the left. Then vertically place a transparent aqua 1x2 plate on top of the ppp.

Step 32

Place a black 2x2 mudguard on the front row of the 3rd and 4th columns from the left so the mudguard overhangs to the front. Then repeat symmetrically to the back.

Group 6 - Silver's Car

Step 33

Horizontally place a transparent aqua 1x2 sloped curved tile on the 2nd row from the front of the 2nd and 3rd columns from the left so it slopes to the left. Then horizontally place a transparent aqua 1x2 plate to the right of the ppp. Now repeat both parts symmetrically to the back.

Step 34

Vertically place 2 transparent aqua 1x2 sloped curved tiles, 1 in front of the other, on the 5th column from the left so together they are centered vertically and slope to the front and back.

You will have an extra black 1x1 slope tile. Save it for later!

Group 7 - Silver's Car

Step 35.1

Let's make a part! Place a transparent orange 1x1 plate in front of you. Then place a short black 1x1 brick on top of the ppp. Now place a black 1x1 plate with 2 upright side studs underneath your part so the side studs face the left.

Step 35.2

Place a black 1x1 slope tile from group 6 upright on the bottom left-facing side stud so it slopes to the back. Then place a white 1x1 slope tile upright on the left-facing side stud so it slopes to the back.

Step 35.3

Place your part on the back left corner so the upright slope tiles face the left.

Step 36.1

Let’s make a part! Horizontally place a white 1x6 arch plate with a lip in front of you so the arch faces the front. Now horizontally place a white 1x4 curved sloped left wedge tile on the 3 leftmost columns so it slopes and overhangs to the left, and the angled side faces the front left. Then repeat symmetrically to the right with a white 1x4 curved sloped right wedge tile.

Step 36.2

Rotate your part 180 degrees. Then horizontally place the leftmost column of your part on the back left corner so the arch faces the back.

Step 37

Let’s make a part! Place a tan 2x2 plate in front of you.

Step 38

Then place a white 2x2 corner plate on the back right corner so it overhangs to the back and right and looks like the braille letter h. Then repeat symmetrically to the front.

Step 39

Place a black 2x2 right wedge plate on the front row of the leftmost column so the short end overhangs 1 row to the front and the angled side faces the left. Then repeat symmetrically to the back with a black 2x2 left wedge plate.

Step 40

Horizontally place a white 2x3 pentagonal tile printed with a light blue key on the 2 leftmost columns of studs so it is centered vertically and the angled part faces the left. ‘

Step 41

Horizontally place a white 1x4 sloped curved right wedge plate on the front row of the rightmost column so it slopes and overhangs 3 columns to the right, and the angled side faces the front right. Then repeat symmetrically to the back with a white 1x4 curved sloped left wedge tile.

Step 42

Place a dark tan 2x2 plate with a hinge bar underneath, underneath the 3rd and 4th columns from the right so it is centered vertically and the bar is on the right.

Step 43

Place a white 1x1 quarter circle tile on the front left corner so the curve faces the front left. Then place a white 1x1 slope tile to the right of the ppp so it slopes to the back. Now repeat both parts symmetrically to the back.

Step 44

Horizontally attach the bottom-facing bar of your part to the 2 top-facing clips that are on the 3rd column from the left so it is centered vertically and the 1x4 curved sloped wedge tiles are on the right.

Step 45.1

Let’s make a part! Place a transparent orange 1x1 plate in front of you. Then place a short black 1x1 brick on top of the ppp. Now place a black 1x1 plate with 2 upright side studs underneath your part so the side studs face the left.

Step 45.2

Place a white 1x1 slope tile upright on the top left-facing side stud so it slopes to the front.

Group 8 - Silver’s Car

Step 45.3

Place a black 1x1 slope tile upright on the front left-facing side stud so it slopes to the front.

Step 46.1

Let’s make a part! Horizontally place a white 1x6 arch plate with a lip in front of you so the arch faces the front. Now horizontally place a white 1x4 sloped curved left wedge tile on the 3 leftmost columns so it slopes and overhangs to the left, and the angled side faces the front left. Then repeat symmetrically to the right with a white 1x4 curved sloped right wedge tile.

Step 46.2

Horizontally place the leftmost column of your part on the front left corner so the arch faces the front.

Step 47.1

Let’s make 4 identical parts! Insert a gold wheel into a black tire, and place it in front of you so the stud faces up. Now place a white 1x1 saucer on top.

Step 47.2

Now you should have 4 identical parts! Attach 1 part to the leftmost front-facing pin so the 1x1 saucer faces the front. Then repeat symmetrically to the right. Now repeat both parts symmetrically to the back. Now put your car away while we make the next part!

Building Instructions (Bag 2, Book 2):

Group 9 - Knuckles

Sub-build 2. Locate 1 red pair of legs printed with green and orange shoes, 1 red torso printed with a white collar, 1 echidna head printed with red hair, eyes, lips and a nose, and 2 white hands with spikes. Assemble your minifigure and attach the hands with spikes to his hands. Now put him away while we make the next part!

Group 10 - Tool Cart

Step 1

Horizontally place a red 2x4 plate in front of you. Then horizontally place 2 red 1x2 plates, 1 to the right of the other, on the back row.

Step 2

Horizontally place 2 light grey 1x2 plates with a rail, 1 to the right of the other, on the front row so together they are centered horizontally and the rails face the front.

Step 3

Horizontally place a red 2x4 plate on top.

Step 4

Horizontally place a red 1x2 plate on the back row so it is centered horizontally. Then place a red 1x1 plate with a clip on the back left corner so the clip faces the left. Then repeat symmetrically to the right.

Step 5

Horizontally place 2 light grey 1x2 plates with a rail, 1 to the right of the other, on the front row so together they are centered horizontally and the rails face the front.

Step 6

Horizontally place 2 dark grey 1x2 plates with a pinhole underneath, 1 in front of the other, underneath the 2 leftmost columns so the pinholes are on the left. Then repeat symmetrically to the right.

Step 7

Insert a light grey 1L pin with a stud into the leftmost front-facing pinhole so the stud faces the front. Then repeat symmetrically to the right. Now repeat both parts symmetrically to the back.

Step 8

Place 2 black 1x1 round tiles upright on the 2 front-facing side studs. Then repeat symmetrically to the back.

Step 9

Horizontally place a black 2x4 tile with 2 studs on top.

Step 10.1

Place a transparent 1x1 diamond on the left stud.

Group 11 - Tool Cart and Monster Truck

Step 10.2

Place a transparent pink 1x1 diamond on the right stud. Then vertically attach a silver wrench to the left-facing clip so the wrench head faces up. Now vertically attach a black hammer to the right-facing clip so the hammer head faces up. Now put your cart away while we make the monster truck!

Step 1

Vertically place a dark grey 4x6 plate with inverted sloped sides upside down in front of you. Then place a tan 2x2 plate on top so it is centered horizontally and vertically.

Step 2

Place a dark grey 2x2 plate with 2 thin lift arms with a pinhole on the leftmost column so it is centered vertically, overhangs 1 column to the left and the lift arms face the left. Then repeat symmetrically to the right.

Step 3

Flip your part over so it is right side up and horizontal. Now horizontally place a black 4x12 plate on top so it is centered horizontally and vertically. Now place a light grey 2x2 plate with a pinhole underneath, underneath the 2 leftmost columns so the pinholes face the front and back. Then repeat symmetrically to the right.

Step 4

Vertically place a dark grey 1x2 plate with 2 clips on the rightmost column so it is centered vertically and the clips face the right. Then vertically place a black 1x4 double sloped curved tile on top of the ppp so it is centered vertically. Now horizontally attach the short side of a black grill bar to the right-facing clips so it is centered vertically, curves to the bottom, and the rounded parts are on the front right and back right.

Step 5.1

Let’s make a part! Horizontally place a light grey 1x4 rounded plate in front of you. Then horizontally place a dark grey 1x2 rounded plate on top so it is centered horizontally. Now horizontally place a black 1x2 brick with an axle hole on top so it is centered horizontally.

Step 5.2

Insert a dark grey 1L pin connector with an axle into the front-facing axlehole so the pinhole faces left and right. Now insert a blue 3L pin into the left-facing pinhole so the pin faces left and right. Then attach a dark grey 1L pin connector with an axle to the right-facing pin so the axle faces the front. Then repeat symmetrically to the left.

Step 5.3

Vertically place your part on the rightmost column of studs so it is centered vertically and the axles face the right.

Step 6

Vertically place a dark grey 1x4 brick to the left of the previous part so it is centered vertically.

Step 7.1

Vertically place a black 1x6 plate with inverted sloped sides to the left of the ppp so it is centered vertically. Now vertically place a yellow 1x4 tile with 2 studs on top of the ppp so it is centered vertically.

Step 7.2

Vertically place a black 1x6 plate with inverted sloped sides on the 4th column from the left so it is centered vertically. Now vertically place a yellow 1x4 tile with 2 studs on top of the ppp so it is centered vertically.

Step 8

Vertically place a white 1x4 tile on the 5th column from the left so it is centered vertically. Then place a red 2x2 tile with 2 studs to the right of the ppp so it is centered vertically and the studs are on the right. Now vertically place a white 1x4 tile to the right of the ppp so it is centered vertically.

Step 9

Vertically place a dark grey 2x6 plate on the 5th and 6th columns from the left so it is centered vertically. Then vertically place another 1 to the right of the ppp.

Step 10

Vertically place a red 2x4 plate on the 3rd and 4th columns of studs from the right so it is centered vertically.

Step 11

Horizontally place a black 1x2 plate with 2 side studs hanging down on the front row of the 5th and 6th columns from the left so the side studs face the front. Then horizontally place another 1 to the right of the ppp so the side studs face the front. Now repeat both parts symmetrically to the back.

Step 12

Place a tan 2x2 plate on the 2nd and 3rd columns of studs from the right so it is centered vertically. Now horizontally place the 2 rightmost columns of a dark grey 1x3 plate in front of the ppp. Then repeat symmetrically to the back.

Step 13

Place a dark grey 2x2 sloped curved tile in between the 2 leftmost columns of the 2 ppp so it is centered vertically and slopes to the left. Now horizontally place a red 1x2 plate with 2 upright side studs on the front row of the 3rd and 4th columns of studs from the right so the side studs face the front. Then repeat symmetrically to the back.

Step 14

Place a red 1x1 cone brick on the front right corner. Then vertically place a dark grey 1x1 plate with a 1x1 inverted slope on top of the ppp so it slopes and overhangs to the front. Then repeat both parts symmetrically to the back.

Step 15

Vertically place a black 1x6 plate with inverted sloped sides to the left of the 2 ppp so it is centered vertically. Now vertically place a transparent black 1x4 panel on top of the ppp so it is centered vertically and the wall faces the left.

Group 12 - Monster Truck

Step 16

Vertically place a light grey 1x4 brick with 4 side studs on the rightmost column of studs so it is centered vertically and the side studs face the right. Now horizontally place 2 black 1x2 slope tiles, 1 to the right of the other, upright on the right-facing side studs so they slope down.

Step 17.1

Let’s make 2 identical parts! Place a gold 2x2 round ridged brick in front of you. Then place a black 2x2 half cone brick on top. Now place a gold 1x1 round plate with a hollow stud on top.

Step 17.2

Place 1 part on the front bottom-facing axle so it is centered on it and the stud faces the right. Then repeat symmetrically to the back.

Step 18

Place a red 2x2 slope brick on the front 2 rows of the 3rd and 4th columns of studs from the right so it slopes to the back. Then repeat symmetrically to the back.

Step 19

Vertically place a dark grey 1x4 brick on the 3rd column from the left. Then vertically place another 1 to the right of the ppp so it is centered vertically.

Group 13 - Monster Truck

Step 20.1

Let’s make a part! Horizontally place a red 1x4 brick in front of you. Then horizontally place a red 1x2 plate with 2 upright side studs underneath the 2 rightmost columns so the side studs face the front. Now place a red 2x2 tile with 2 studs underneath the 2 leftmost columns so 1 row is exposed to the front. Then horizontally place a red 1x2 grill tile on the 2 leftmost columns.

Step 20.2

Rotate your part 180 degrees. Now horizontally place your part on the back 2 rows of the 4th to 7th columns from the left so 1 row overhangs to the back.

Step 21.1

Let’s make a part! Horizontally place a red 1x4 brick in front of you. Then horizontally place a red 1x2 plate with 2 upright side studs underneath the 2 leftmost columns so the side studs face the front. Now

place a red 2x2 tile with 2 studs underneath the 2 rightmost columns so 1 row is exposed to the front. Then horizontally place a red 1x2 grill tile on the 2 rightmost columns.

Step 21.2

Horizontally place your part on the front 2 rows of the 4th to 7th columns from the left so 1 row overhangs to the front

Step 22

Vertically place a dark grey 1x2 plate with 2 clips on the leftmost column so it is centered vertically and the clips face the left. Then place a light grey 1x1 round plate in front of the ppp. Then repeat symmetrically to the back. Now vertically place a light grey 1x4 rounded plate on the 2nd column from the left.

Step 23

Place a dark grey 2x2 brick on the 2 leftmost columns so it is centered vertically. Then vertically place a light grey 1x4 rounded plate to the right of the ppp so it is centered vertically.

Step 24

Place 2 red 1x1 cone bricks, 1 to the right of the other, on the front left corner. Then repeat symmetrically to the back.

Step 25

Vertically place 2 black 1x6 plates with inverted sloped sides, 1 to the right of the other, on the 2nd and 3rd columns from the left so they are centered vertically.

Step 26

Vertically place a light grey 1x4 brick with 4 side studs on the leftmost column so it is centered vertically and the side studs face the left. Then horizontally attach a black grill bar to the left-facing clips so it is centered vertically, curves to the bottom, and the rounded parts are on the front left and back left. Make sure the grill bar is still horizontal!

Building Instructions (Bag 3, Book 2):

Group 14 - Monster Truck

Step 27

Vertically place a light grey 1x4 rounded plate on the 4th column from the left so it is centered vertically.

Step 28

Vertically place a light grey 1x2 steering wheel to the right of the ppp so it is centered vertically and the wheel faces the right.

Step 29

Vertically place 2 black 1x2 hinge bases, 1 in front of the other, on the 4th column from the left so together they are centered vertically and the walls face the left. Now vertically place 2 dark grey 1x2 plates with a hinge bar underneath, 1 in front of the other, on top of the 2 ppp.

Step 30

Vertically place a transparent black 1x4 panel on top of the 2 ppp so it is centered vertically and the wall faces the left. Make sure it remains straight and not tilted.

Step 31

Vertically place a tan 2x4 brick on the 2nd and 3rd columns from the left so it is centered vertically. Then vertically place a light grey 1x4 rounded plate on the right column of the ppp so it is centered vertically.

Step 32

Horizontally place a black 1x2 plate with 2 side studs hanging down on the front row of the 3rd and 4th columns from the left so the side studs face the front. Then place a red 1x1 slope tile to the right of the ppp so it slopes to the right. Now horizontally place a black 1x2 plate with 2 side studs hanging down on the front row, on the 2nd and 3rd columns from the right so the side studs face the front.

Step 33

Horizontally place a red 1x2 sloped curved tile on the front row, on the 3rd and 4th columns from the right so it slopes to the left.

Step 34

Place a red 2x2 corner tile with a cutoff corner upright on the top 2 rows on the 2nd and 3rd columns of front-facing side studs from the right so the cutoff corner overhangs to the top left. Then repeat symmetrically to the left.

Step 35

Horizontally place a black 1x2 plate with 2 side studs hanging down on the front right corner so it overhangs 1 column to the right and the side studs face the front. Then repeat symmetrically to the left.

Step 36

Horizontally place a red 2x3 right wedge plate upright on the 3 rightmost front-facing side studs so the short end faces the right, and the angled part overhangs 1 row to the bottom. Now place a red 2x2 corner tile with a cutoff corner upright on the 2 front-facing side studs, to the left of the ppp so the cutoff corner faces the bottom right.

Step 37.1

Let’s make a part! Horizontally place a light grey 1x2 plate with a bar in front of you so the bar faces the front. Then place a red 1x1 tile on the right column. Now horizontally place a red 1x2 sloped curved tile to the left of the ppp so it slopes and overhangs to the left.

Step 37.2

Horizontally place your part upright on the bottom row of front facing side studs to the left of the ppp so the bar is at the bottom.

Step 38

Horizontally place a red 1x3 tile printed with a black flame upright on the 3 leftmost front-facing side studs. Then place a red 2x2 triangle tile upright on the front-facing side stud, to the bottom right of the ppp so the right angle faces the top right.

Step 39

Horizontally place a black 1x2 curved sloped left wedge tile on the front left corner so it slopes and overhangs 1 column to the left, and the cutoff corner faces the front left. Now horizontally place a red 1x3 tile printed with a black flame to the right of the ppp.

Group 15 - Monster Truck

Step 40

Let’s make a part! Place a tan 2x2 plate in front of you. Then horizontally place a light grey 1x4 rounded plate on the back row so it is centered horizontally.

Step 41

Place a black 2x2 plate with a cutoff corner underneath the leftmost column so 1 row is exposed to the front, 1 column is exposed to the left, and the cutoff corner faces the front left. Then repeat symmetrically to the right.

Step 42

Horizontally place a light grey 1x4 ridged tile on the back row so it is centered horizontally. Then place a transparent 1x1 slope tile on the back left corner so it slopes to the left. Then repeat symmetrically to the right.

Step 43

Horizontally place 2 black 1x2 slope tiles, 1 to the right of the other, on the front row so together they are centered horizontally and slope to the front.

Step 44

Horizontally place your part upright on the left-facing side studs so it is centered horizontally and the 1x2 slope tiles overhang to the bottom.

Step 45

Horizontally place 2 red 2x4 sloped curved tiles printed with a black flame, 1 in front of the other, on the 3 leftmost columns of studs so together they are centered vertically and slope to the left.

Group 16 - Monster Truck

Step 46

Rotate your build 180 degrees. Place a red 1x1 slope tile to the right of the 1x2 grill tile that is on the front row so it slopes to the left. Then horizontally place a black 1x2 plate with 2 side studs hanging down to the right of the ppp so the side studs face the front. Now horizontally place a black 1x2 plate with 2 side studs hanging down on the front row, on the 2nd and 3rd columns of studs from the right so the side studs face the front.

Step 47

Place a red 2x2 corner tile with a cutoff corner upright on the top 2 rows on the 2nd and 3rd columns of front-facing side studs from the left so the cutoff corner overhangs to the top right. Then repeat symmetrically to the right.

Step 48

Horizontally place a black 1x2 plate with 2 side studs hanging down on the front left corner so 1 column overhangs to the left and the side studs face the front. Then repeat symmetrically to the right. Now horizontally place a red 1x2 sloped curved tile on the front row, on the 4th and 5th columns from the left so it slopes to the right.

Step 49

Horizontally place a red 2x3 left wedge plate upright on the 3 leftmost front-facing side studs so the short end faces the left, and the angled part overhangs 1 row to the bottom. Now place a red 2x2 corner tile with a cutoff corner upright on the 2 front-facing side studs, to the bottom right of the ppp so the cutoff corner faces the bottom left.

Step 50.1

Let’s make a part! Horizontally place a light grey 1x2 plate with a bar in front of you so the bar faces the front. Then place a red 1x1 tile on the left column. Now horizontally place a red 1x2 sloped curved tile to the right of the ppp so it slopes and overhangs to the right.

Step 50.2

Horizontally place your part upright on the bottom row of front-facing side studs, to the right of the ppp so the bar faces down.

Step 51

Horizontally place a red 1x3 tile printed with a black flame upright on the 3 rightmost front-facing side studs. Then place a red 2x2 triangle tile upright on the front-facing side stud, to the bottom left of the ppp so the right angle faces the top left.

Step 52

Horizontally place a black 1x2 curved sloped right wedge tile on the front right corner so it slopes and overhangs 1 column to the right, and the cutoff corner faces the front right. Now horizontally place a red 1x3 tile printed with a black flame to the left of the ppp.

Step 53

Let’s make a part! Place a light grey 2x2 plate with 2 side studs in front of you so the side studs face the right. Now horizontally place a black 1x2 grill tile upright on the right-facing side studs.

Step 54

Vertically place a red 4x6 plate underneath your part so it is centered vertically and 2 columns are exposed to the left.

Step 55

Horizontally place a red 1x2 slope tile on the 2nd row from the front of the 2 rightmost columns so it slopes to the front. Then repeat symmetrically to the back.

Step 56

Place a red 1x1 slope tile on the 2nd row from the front of the 2nd column from the left so it slopes to the front. Then repeat symmetrically to the back.

Step 57

Horizontally place a red 2x4 sloped curved tile on top so it is centered vertically and slopes to the left.

Step 58

Vertically place your part on the 3 leftmost columns so it is centered vertically, slopes to the left, and overhangs 1 column to the left.

Group 17 - Monster Truck

Step 59

Rotate your build 180 degrees so the upright 2x2 half cone bricks face the right. Then flip it upside down so they still face the right. Place 2 black 2x2 inverted sloped curved tiles, 1 to the right of the other, on the front 2 rows of anti-studs, so together they are centered horizontally and they slope to the front. Then repeat symmetrically to the back.

Step 60

Let’s make 2 identical parts! Let’s make the wheel assembly! Stack 2 red 2x2 round plates with an axle hole in front of you.

Step 61

Place a red 2x2 round tile on top of the ppp.

Step 62

Insert a light grey 11L axle into the middle bottom-facing axle hole, then orient it so it is vertical and the axle faces the front.

Step 63

Attach the middle pinhole of a dark grey wheel to the front-facing axle so it goes all the way to the back and the hollow side of the wheel faces the front.

Step 64

Attach 2 black 1l bushes to the front facing axle and push them all the way back.

Step 65

Now you should have 2 identical parts! Insert the axle of 1 part into the leftmost back-facing pin hole so the wheel is in the back and the axle sticks out the front. Then repeat symmetrically to the right.

Step 66

Attach 2 black 1l bushes to the left front facing axle and push them all the way back. Then repeat symmetrically to the right.

Step 67

Attach the middle pin hole of a dark gray wheel to the left front facing axle and push it all the way back. Then repeat symmetrically to the right.

Step 68.1

Let’s make 2 identical parts! Let’s make the hub cap! Stack 2 red 2x2 round plates with an axle hole in front of you. Then place a red 2x2 round tile on top of the ppp.

Step 68.2

Now you should have 2 identical parts! Attach the middle bottom-facing axle hole of 1 part to the leftmost front-facing axle. Then repeat symmetrically to the right.

Step 69.1

Let’s make a part! Vertically place a black 2L ridged axle connector in front of you. Then insert a red 2L axle into the front-facing axle hole. Now vertically attach a black 2L ridged axle connector to the front-facing axle.

Step 69.2

Attach a light grey claw to the front-facing axle hole so the claw hands face up and down. Then repeat symmetrically to the back.

Step 69.3

Attach a light grey bar holder with a handle to the front-facing axle so the barholder faces down. Then attach a black 1x1 round tile with an upright bar to the bar hole of the ppp so the anti-stud faces down. Now repeat both parts symmetrically to the back.

Step 69.4

Flip your main build over so it is horizontal and the studs are on the right. Now vertically place your part on the 3rd column from the right so it is centered vertically. Now put your monster truck away while we make the starting lights!

Group 18 - Starting Lights

Step 1

Horizontally place a black 1x3 rounded plate in front of you. Then place a transparent green 1x1 round tile on the rightmost column.

Group 19 - Starting Lights

Step 2.1

Place a transparent red 1x1 round tile on the leftmost column.

Group 20 - Starting Lights

Step 2.2

Place a transparent yellow 1x1 round tile on top.

Step 3

Place a dark grey 1x1 plate with a hollow double sided side stud underneath the leftmost column so the double sided side stud is on the left. Then horizontally place a dark grey 1x2 inverted sloped curved tile underneath the 2 leftmost columns so it slopes to the right.

Step 4

Insert a black 6L bar with a stop into the front-facing side stud so it overhangs to the front and the side with a stop is in the front. Make sure the 6L bar does not overhang to the back.

Step 5

Attach a black 1x1 cone brick to the front-facing bar so the anti-stud faces the front. Now place a black 3x3 dish upright on the front-facing anti-stud. Now place it upright so the 1x1 round tiles face the front!

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