

PRODUCT INSTRUCTIONS

Thanks for purchasing this product from RMW.

In this manual you find all the information you need to assemble and paint the model.

PRODUCT DESCRIPTION

Crawler carrier, fully 360° rotating type	Product No: 030600xx
This is a model of a carrier on tracks (crawler) Used for transport in difficult terrain	Scale: 1:87 / H0
Example information: e.g. http://pdf.directindustry.com/pdf/hitachi-construction-machinery/eg40r-eg70r-eg110r-rubber-crawler-carriers/20548-24927.html	Type: kit assembly & painting required
This scale model product comes in several variations: product 03060000 : base crawler carrier product 03060001 : with dump body	Danger! Small parts included
More information can be found via Google (images): Search for 'crawler carrier'	V1.0
Example photos:	 <p>Material: semi transparent plastic (Shapeways 'Frosted Ultra Detail')</p>
Not included in this kit:	<ul style="list-style-type: none"> - Cabin glazing (cut yourself from transparent sheet) - Pins for the joints (use 0.8mm brass rod or paperclip, cut to the needed length) - Mirrors (take from e.g. Herpa or Kibri spare parts)

PRODUCT COMPONENTS LIST

This product consists of:

For product **03060000 (base)**: **6** separate parts plus **9** parts on **1** sprue (total **15** parts)

For product **03060001 (dump body)**: as 03060000 + **5** additional part (total **20** parts)

Parts 07-016 & 101-102 are on a sprue

Parts 01-015 are for 0306000* (base)

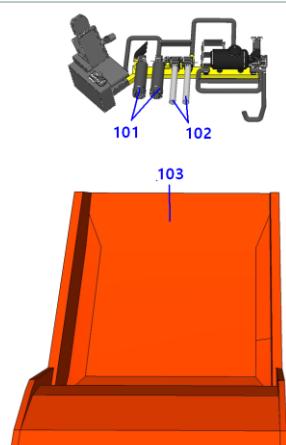
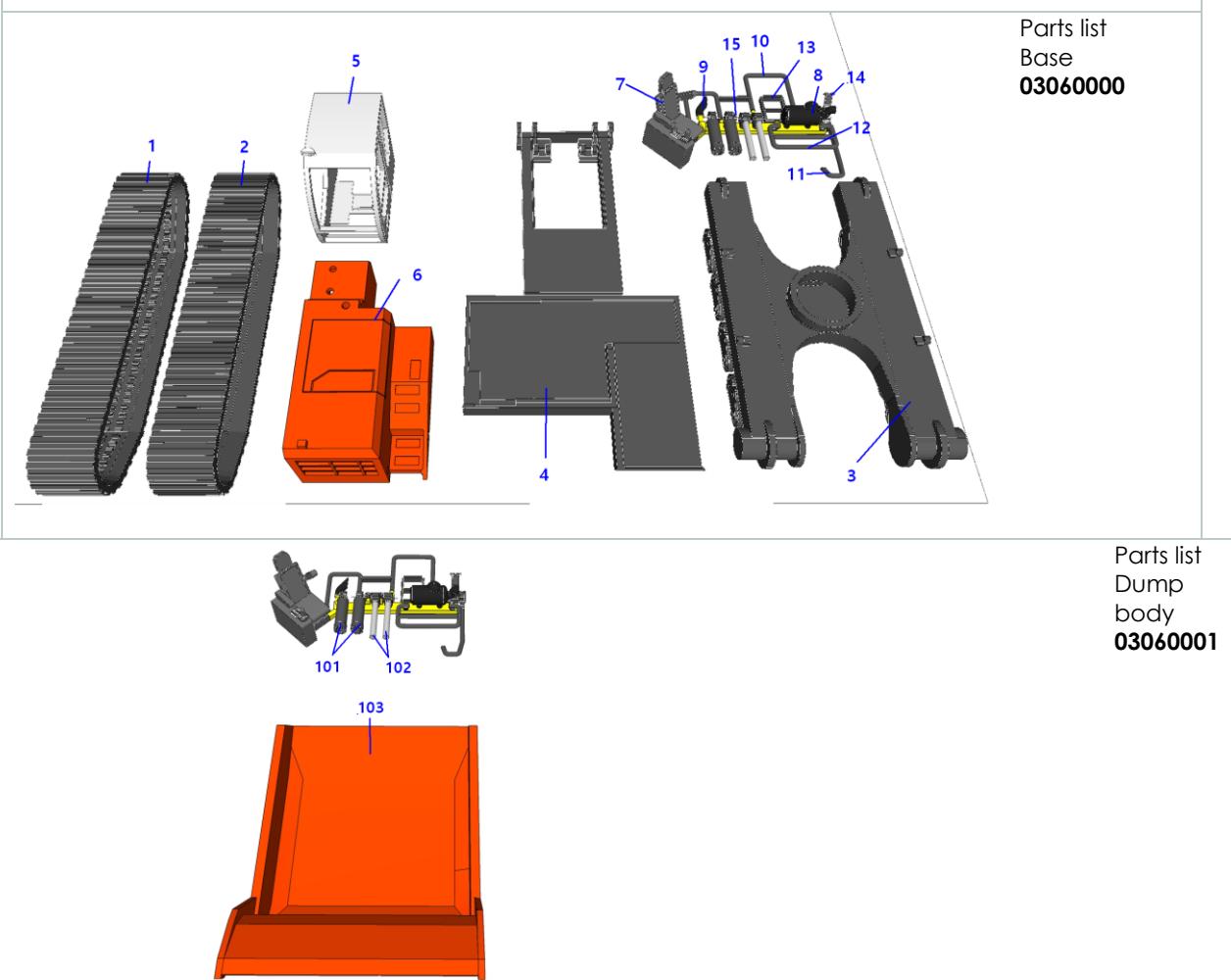
Parts 101-103 only for 03060001

No	Description	Paint advise	Product No
01	Track left	Black or dark grey	03060000
02	Track right	Black or dark grey	03060000
03	Under carriage	Black or dark grey	03060000
04	Carrier frame	Dark grey	03060000
05	Cabin	Light grey	03060000
06	Engine compartment	Orange	03060000
07	Chair	Black	03060000
08	Air filter	Black	03060000
09	Exhaust	Black	03060000
010	Railing 1	Dark grey	03060000
011	Railing 2	Dark grey	03060000
012	Cabin protector	Dark grey	03060000
013	Cabin ladder	Dark grey	03060000
014	Steering handles	Dark grey	03060000
015	Fillers	Dark grey	03060000
101	Hydraulic cylinders (2x)	Dark grey	03060001
102	Pistons (2x)	Dark grey/Silver	03060001
103	Dump body	Orange	03060001

PRODUCT PHOTO:



After
painting and
assembly
03060001



GENERIC INSTRUCTIONS

Cleaning:

If you have a ultrasonic cleaner (like from Conrad or Harborfreight), use that one with cold or luke-warm water to which you have added some dish-washing liquid to clean the parts for **3 minutes** (remove the waxy residue). Alternative, clean the parts by hand in water with dish-washing liquid. You can use a soft toothbrush. Do NOT use any cleaner containing acetone, acetate or thinner containing methyl ethyl ketone (MEK) as this might damage the model.

For ultra-sonic cleaners, refer e.g. to:

<http://www.conrad.de/ce/de/overview/0601120/Ultraschallreiniger>
<http://www.harborfreight.com/catalogsearch/result?q=ultrasonic+cleaner>

Separating parts:

To separate/cut off all parts from the sprue, you either use a hobby-knife or a small scissors. If you remove the complete sprue from the parts, you might find it more difficult to hold them for painting; so leaving a piece of the sprue to each part might be beneficial (only remove the remaining sprue piece after painting); however, you will not be able to do a test assembly if you leave a piece of the sprue to the part.

Painting:

Ordinary **acrylic** paint as found in car shop accessories can be used. First (spray) paint a white base layer, for this, a modelling spray is advised (e.g. from Tamiya). Then multiple layers of your preferred color. After assembly and finishing (decals), use a clear lacquer layer of paint to seal.

For White Strong and Flexible plastic material, you will have to use quite a few layers of paint, as the material is porous, so will absorb a lot of paint. A paint specifically for nylon is advised.

Glue-ing:

Only use 'super-glue' (Cyanoacrylates)

Storage:

Dust-free at room temperature, protect from UV radiation

Working order:

First clean the product carefully. Remove remaining oil, grease and wax.

Separate all parts from the sprue. Next do the painting, followed by the assembly and finishing.

Safety guidelines:

During cleaning, painting and assembly of the product, use gloves to protect your hands and goggles to protect your eyes. The product might contain oily grease and wax like support material.

If in contact with your skin, clean your skin with abundant water and soap.

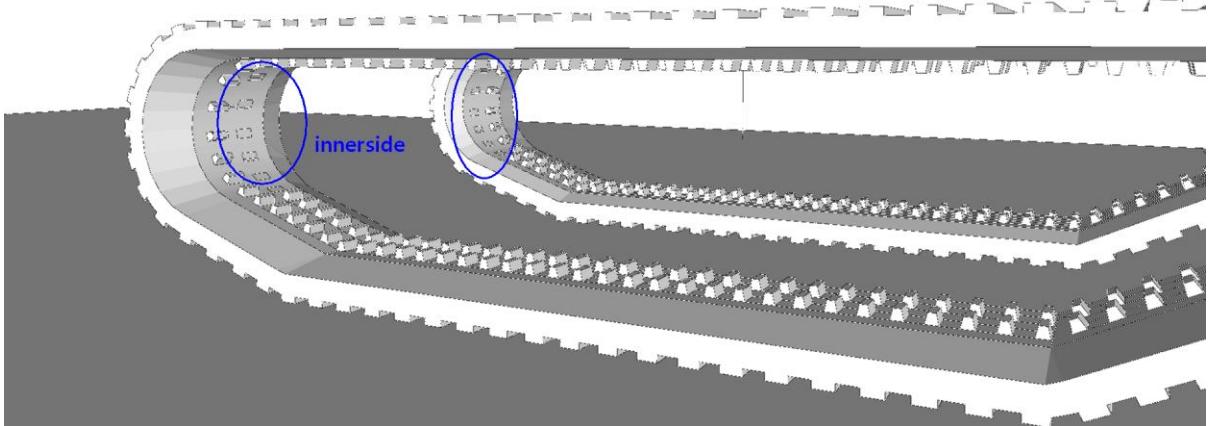
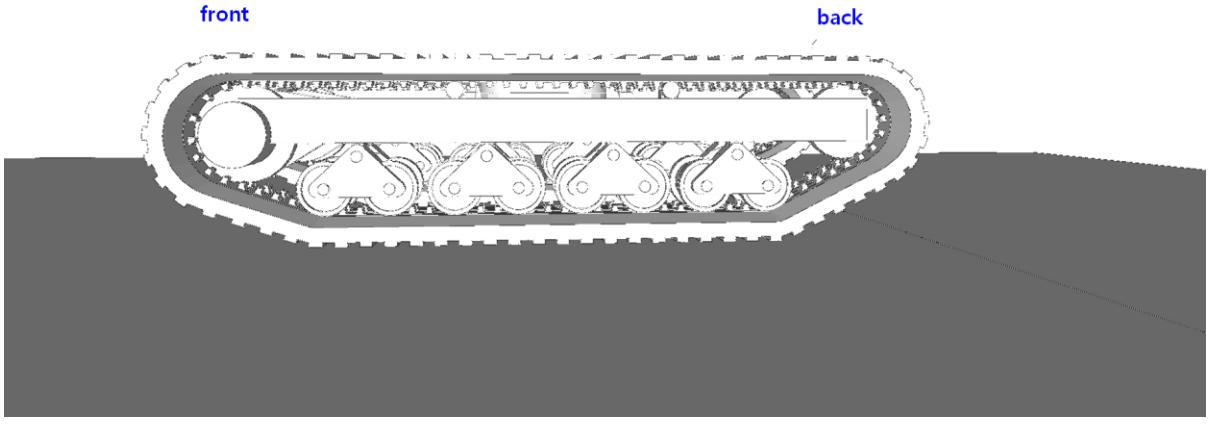
Before eating or drinking, always clean your hands thoroughly if you have touched the product.

ADDITIONAL INFORMATION

ASSEMBLY AND PAINTING INSTRUCTIONS

Follow the generic instructions on cleaning and separating parts

	Cleaning
1	<p>Clean the parts while still attached to the sprue.</p> <p>Cut off the separate parts with a hobby knife or small scissors:</p> <p>Consider to leave pieces of the sprue on the parts, to simplify painting (use to hold the parts)</p>
	Painting
2	<p>Spray paint as many parts as possible.</p> <p>Use e.g. a tooth-pick or straw to hold the product parts.</p> <p><i>Only after painting and thorough drying continue.</i></p>

3	Assembly base (product no 0306000x)
3a	<p>Tracks to undercarriage</p> <p>Notice the difference in the left and right track: The inner side has no 'teeth', to allow for installation of the track on the under carriage</p>  <p>Notice the difference in the front (with driven gear) and back: The angle is steeper at the back.</p> 
<p>!</p> <p>Insert the undercarriage (#3) in each track, starting with the front (driven gear) Push the back part carefully in the tracks, to not break of anything.</p>	

3b	<p>Engine compartment to carrier frame</p> <p>Glue in place</p> <p>Also glue the exhaust (#9) and air filter (#8) (see picture in stage 3d below)</p> <p>Gently push the carrier frame into the under carriage, do not glue, as it should be able to rotate</p>
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Cabin with chair, handles and glazing

Cabin glazing installation:

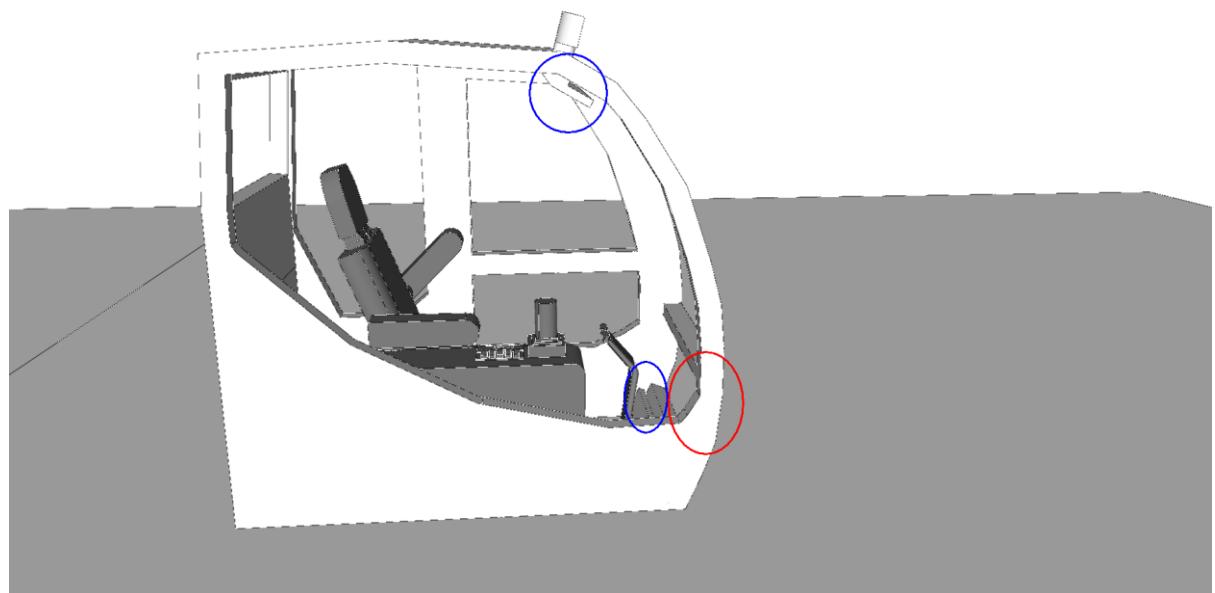
Cleaning/painting: make sure the slots for the front glazing are clean of gooseneck and paint ! (refer to blue circles) – use tooth-pick and needle

During installation, be careful, as the area highlighted in the red circle can easily break!

1. Cut the glazing from transparent plastic sheet: 4 sheets required.
2. Install the glazing at the door side
3. Install the glazing at the back side
(you can do 5 before 4)
4. Install the glazing at the front (curved)
at the top and bottom there is a slot which should hold the sheet in place
push your front glazing in the top slot, then maneuver it into the bottom slot
5. Install the chair in the cabin (#7)
6. Install the cabin on the carrier frame and glue the handles (#14) in place
6. Install the glazing at the side

No glue required for the glazing if you cut the glass sheets to a tight fit!

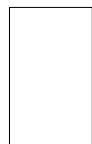
3c



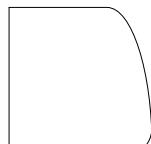
Glazing approximate dimensions (do cut the corners)



18x11 mm
back



20x11 mm
front

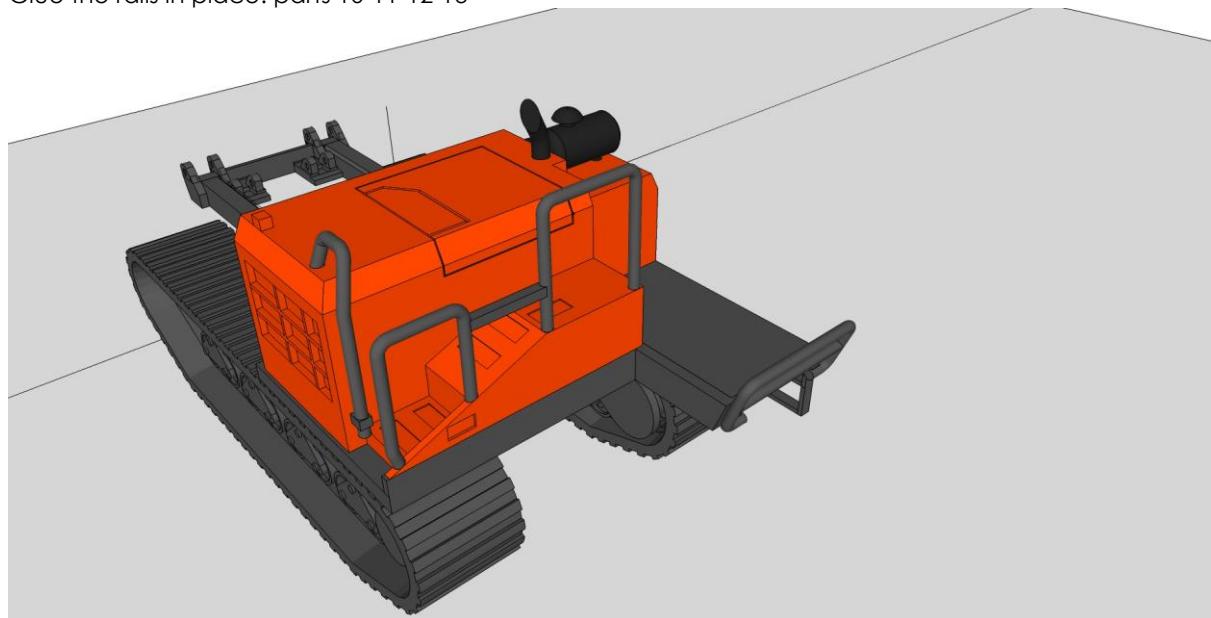


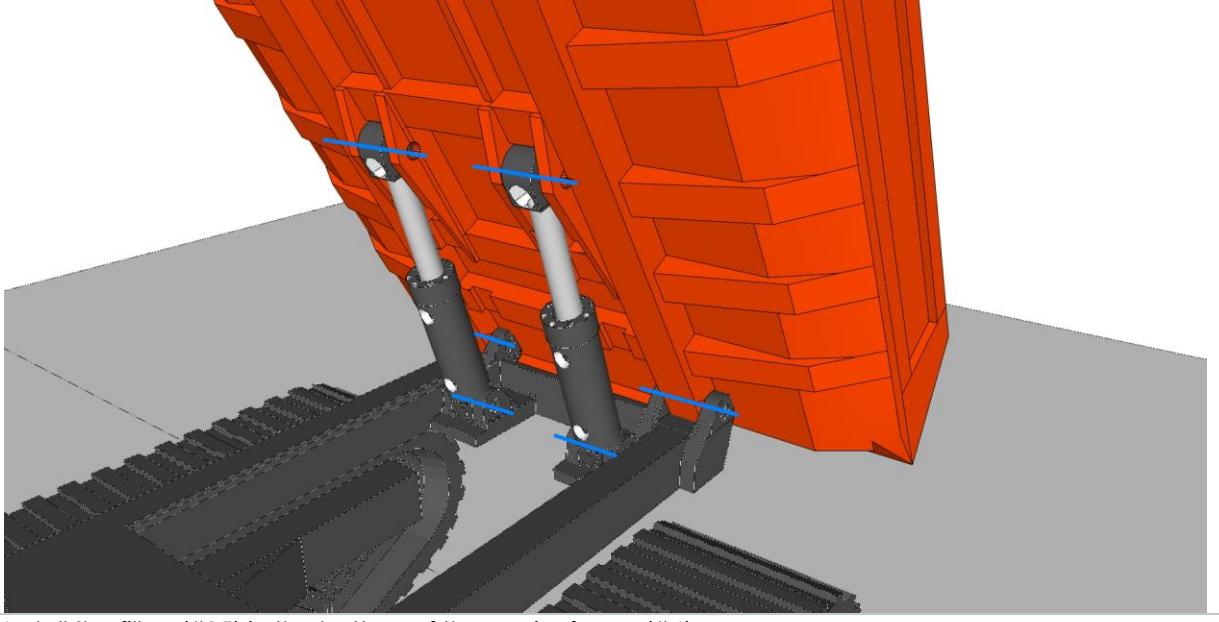
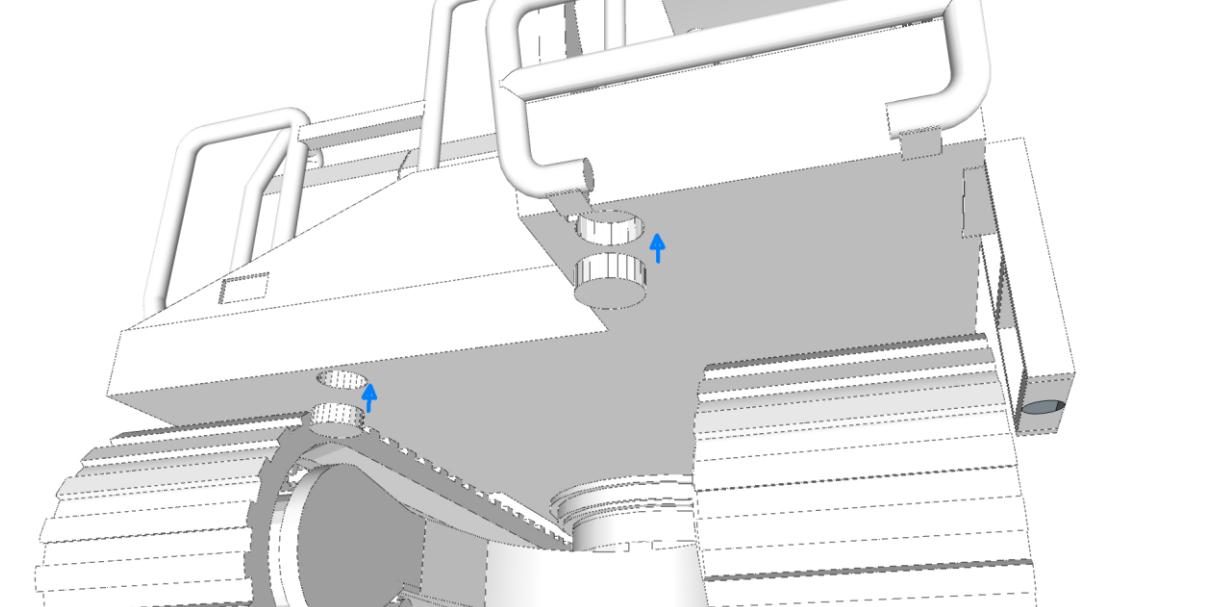
19x19 mm
sides

Rails & handles

Glue the rails in place: parts 10-11-12-13

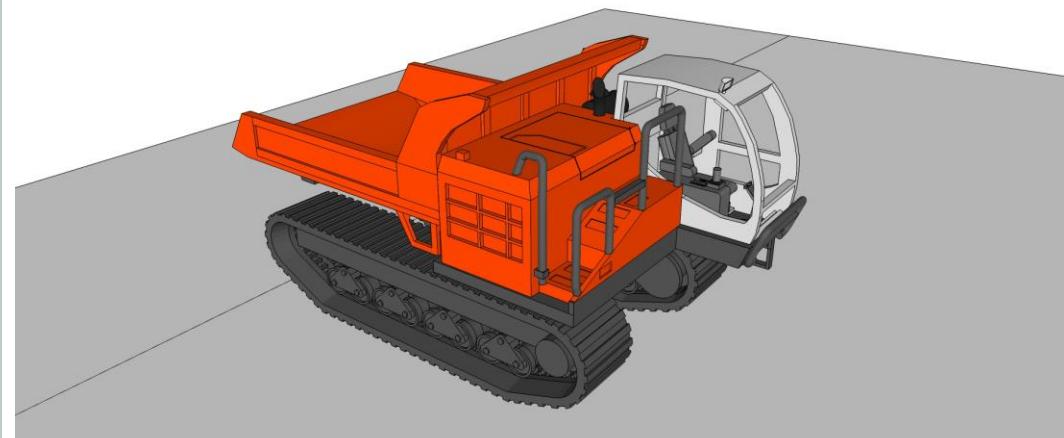
3d



4	Assembly dump body (product no 03060001 only)
4a	Cylinders in carrier frame
4b	Pistons in dump body
	<p>Marriage to carrier frame The blue lines in the picture, denote pins for the joints (provide yourself from e.g. brass rod or paperclip, 0.8mm diameter)</p> 
4c	<p>Install the fillers (#15) in the bottom of the carrier frame (#4)</p> 

ADDITIONAL INFORMATION

PRODUCT PAINTING EXAMPLES



Example
with
colors
Applied

**Dump
body
(0306001)**

See section 5

**Pipe
carrier
(0306002)**

Refer to our website for more product photos

For any questions/suggestions or additional information, contact us at

Customer Service Department, email us: support@robs-mw.com

Website: robs-mw.com

Facebook: facebook.com/robsmw

Subscribe to our newsletter and/or product updates!

DISCLAIMER

Not included is paint, glue, tools.

Decals -if applicable for this product - should be self-printed on suitable material.

This product is only suitable for the experienced scale modeler (adults, 14 years up). Small parts included!

Warning:

Please note that the 3D printing materials we use for manufacturing the products make the products suitable only for decorative purposes and they are not suited for any other purpose. The products are not suited to be used as toys, to be given to children. The products should not come in contact with electricity or food & drinks and should be kept away from heat and UV radiation.

Due to the new technologies used to fabricate these products, different procedures might need to be used to achieve similar results as for products produced with conventional technologies.

Photographs and drawings can show pre-production samples.

Subject to alterations in assortment, printing, shape and colors.

Technical details information about the example provided 'as-is'