ASSEMBLY INSTRUCTIONS

Virgin Orbit Rocket Mockup

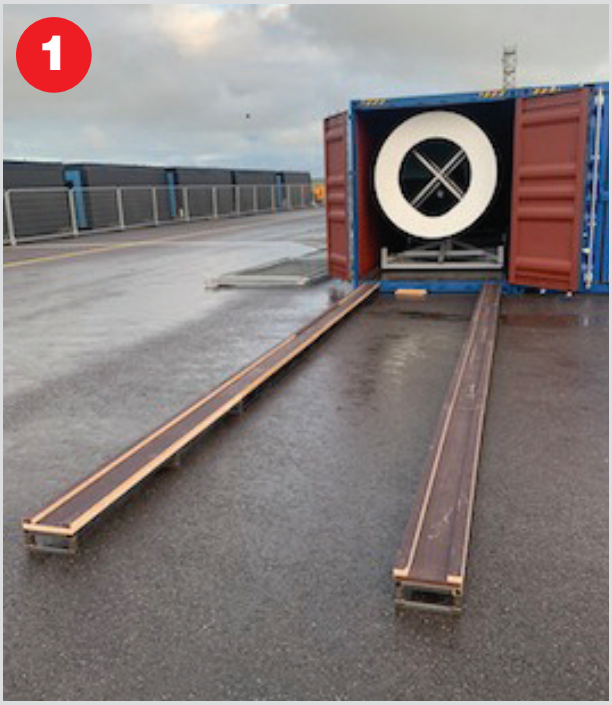
The model is supplied in 2 containers as follows:-

CONTAINER 1	
1 x	Rear section on two support frames
8 x	Loading/unloading platforms
16 x	Steel jacking plates
1 x	DeWalt cordless impact gun with battery and charger
1 x	Extension bar with 30mm socket
16 x	Jacking point covers

CONTAINER 2	
1 x	Front section on two support frames
4 x	Tail fins on stowage frame
1 x	Exhaust cone

PROCEDURE

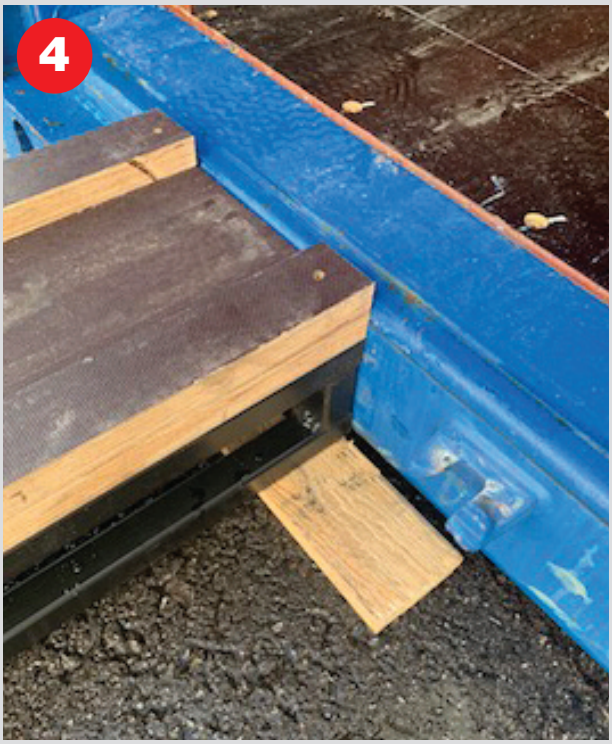
CONTAINER 1 - REAR SECTION



Open container 1 and remove the 8 x platforms. Position the platforms in 2 lines of 4 evenly against the opening edge of the container

An approximate gap of 1350mm down the centre.

Some of these platforms interlock with tabs/pins to avoid movement when in use.



It may be necessary to chock below the edge of the first platform from the container to achieve an even transition.

PROCEDURE

CONTAINER 1 - REAR SECTION

Remove ratchet straps securing the model section to the container.
Note: check that all of the jacks are in the raised position before moving the model section.

Roll the model section out of the container and onto the platforms until the metal frames have fully exited the container

Position the steel jacking plates below the jacks on each corner of the frames and lower the jacks until a small amount of load is taken up by the threads.

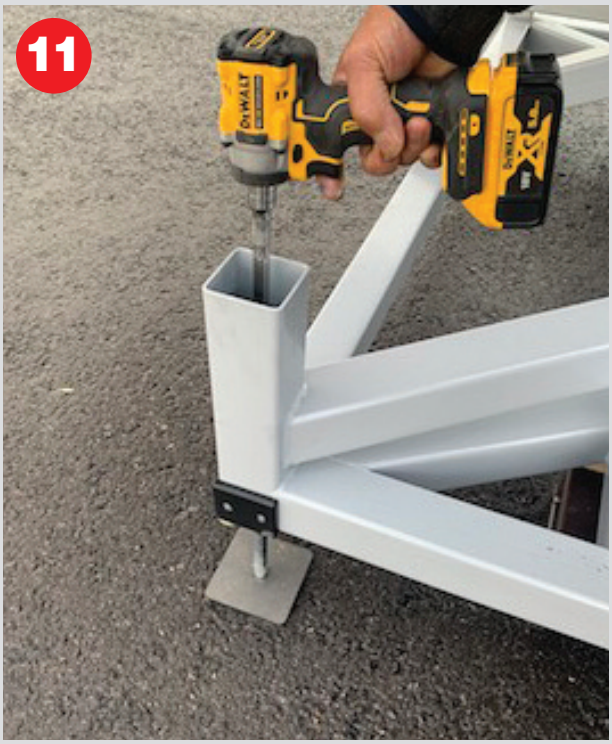
Once all 8 jacks are on the plates, gradually jack the model evenly with small amounts at a time working around the model until the platforms can be moved out from underneath.

PROCEDURE

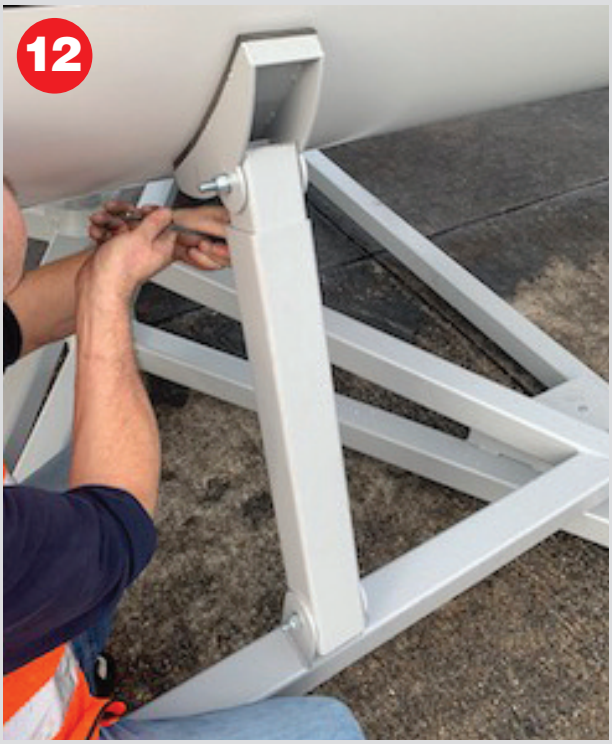
CONTAINER 1 - REAR SECTION

The model can now be lowered, again working around the 8 jacks making small movements at a time until the jacks are fully retracted and the model section is on its wheels.

The model section can now be moved into its display location.
Rotate the support frames through 90 degrees into display position.



The jacking plates can now be repositioned below the jacks and just a small load should be added.



Position the stabiliser arms against the body of the model and tighten the 2 grub screws on the underside of each arm.

PROCEDURE

CONTAINER 2 - FRONT SECTION

FOLLOW THE SAME REMOVAL PROCEDURE AS THE REAR SECTION

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Introduce the two model sections together so as to establish what adjustment is required to align the connecting tubes. Alignment can be achieved by simply jacking the rear section into position until it can accept the mating part.

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Once the two sections are pushed together, fit radial joint screws (silver screws over the white section and black screws over the black section).

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Once the screws are fitted, rotate the front section frames through 90 degrees into display position, then lower the front section jacks onto jacking plates introducing a light load on each.

16

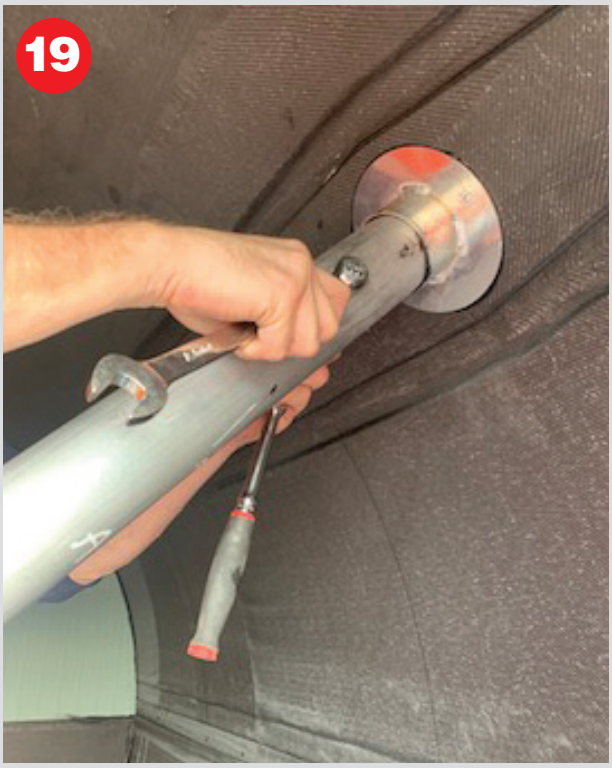
Position the stabiliser arms against the body of the model and tighten the 2 grub screws on the underside of each arm.

PROCEDURE

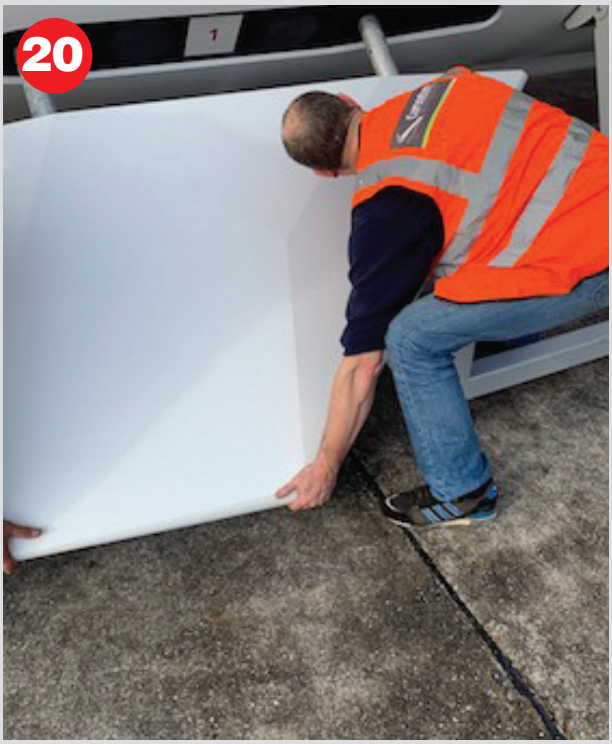
CONTAINER 2 - FINS/EXHAUST

The tail fins are stored on a frame in the front section container.
These are numbered 4-3-2-1 and should be fitted in this order.

Fins 3 and 4 require two persons to be in an elevated position to fit them.



Once fitted, 2 x19mm securing bolts/nuts per fin can be fitted inside the model.



Repeat the procedure for fins 1 and 2 taking care to not allow them to scrape the ground during initial insertion.

PROCEDURE

CONTAINER 2 - FINS/EXHAUST

Secure with 19mm bolts/nuts inside the model.

Take note that the shape of the cone is not circular and that the smaller radius should be at the 6 o clock position.

The exhaust cone is held in place with black allen headed screws.

Fit the black jacking point covers at each corner of the frames.