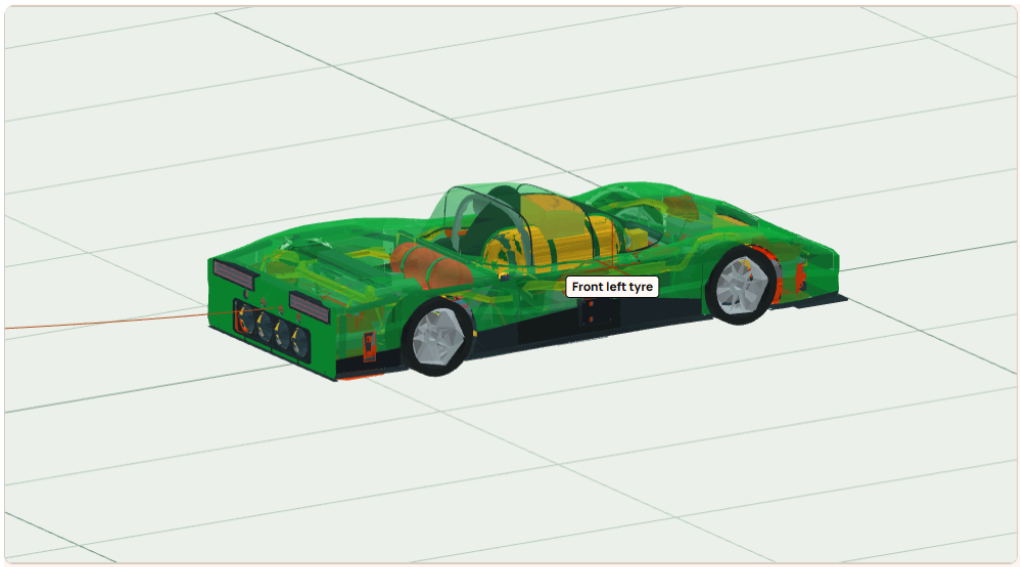
Argon · 26 November 2026 verification package

Argon · V2 touchdown and V1 / V2 exploded assemblies

At 60 km/h entry, the tuned low hop of V2 rear_cover R06 ends with the front left tyre touching first. Peak clearance is 0.625 m and the contact point is moving downward at 0.257 m/s. The calculation meets the 0.5 m/s criterion.



V2 · rear_cover

Current frame

First contact

Forward travel	**16.96 m**
Clearance above the plane	**0.00 m**
Pitch	**-0.32°**
Roll	**0.35°**

Selected variant result

Airborne time	**1.018 s**
Forward travel	**16.96 m**
Peak assembly clearance	**0.63 m**
Contact	**Front left tyre**
Contact point downward speed	**0.26 m/s**

Tuned V2 run in the main 3D player

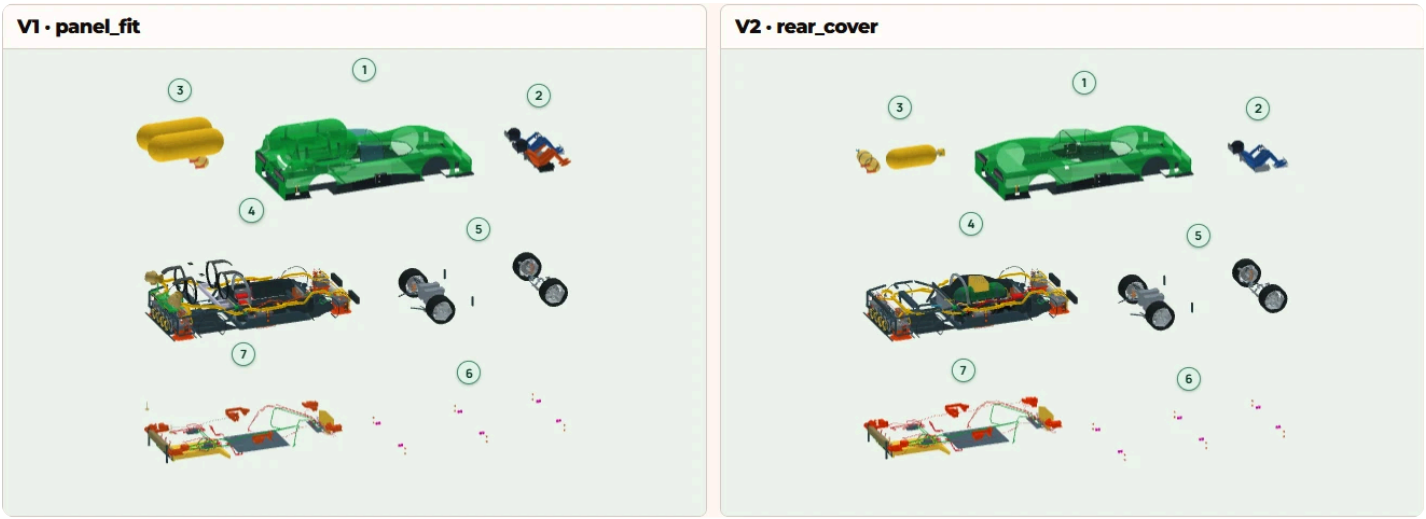
V2 metric	Original	Low hop
Airborne time	2.291 s	1.018 s
Forward travel	38.26 m	16.96 m
Peak assembly clearance	5.175 m	0.625 m
Contact point downward speed	10.065 m/s	0.257 m/s
Pitch	−2.269°	−0.325°
Roll	1.498°	0.351°
Splitter clearance at contact	39 mm	76 mm
Air used per run	72.91 kg	60.82 kg
Air remaining in vessels	61.04 kg	73.13 kg
Usable air down to the 80 bar cutoff	0.00 kg	12.09 kg

Reducing hop height left air for braking with the underbody nozzles. Side nozzles correct heading. Geometry, mass and initial modelled air inventory match the original run. At the original 5.175 m peak, usable air was exhausted before braking. A 0.5 ms rerun gave 0.250 m/s and the same first tyre.

Verification ends at first contact. Soft touchdown from the original height, suspension loads, transition to all four tyres and rollout remain open.

Exploded views of the R07 assemblies

The 3D view separates the two models using subsystem bounds. Select V1, V2 or both, adjust separation and view angle, and select a numbered group to highlight it. The guide lines lead back to the assembled positions. GasR2 service parts are available in the service view. Offsets are illustrative. Physical removal sequence requires a separate check.



Exploded views of the R07 assemblies

1. Bodywork
2. Cockpit
3. Air vessels
4. Load-bearing frame
5. Wheels and suspension
6. Nozzles
7. Lines and equipment

8 · GasR2 service parts in the service view.