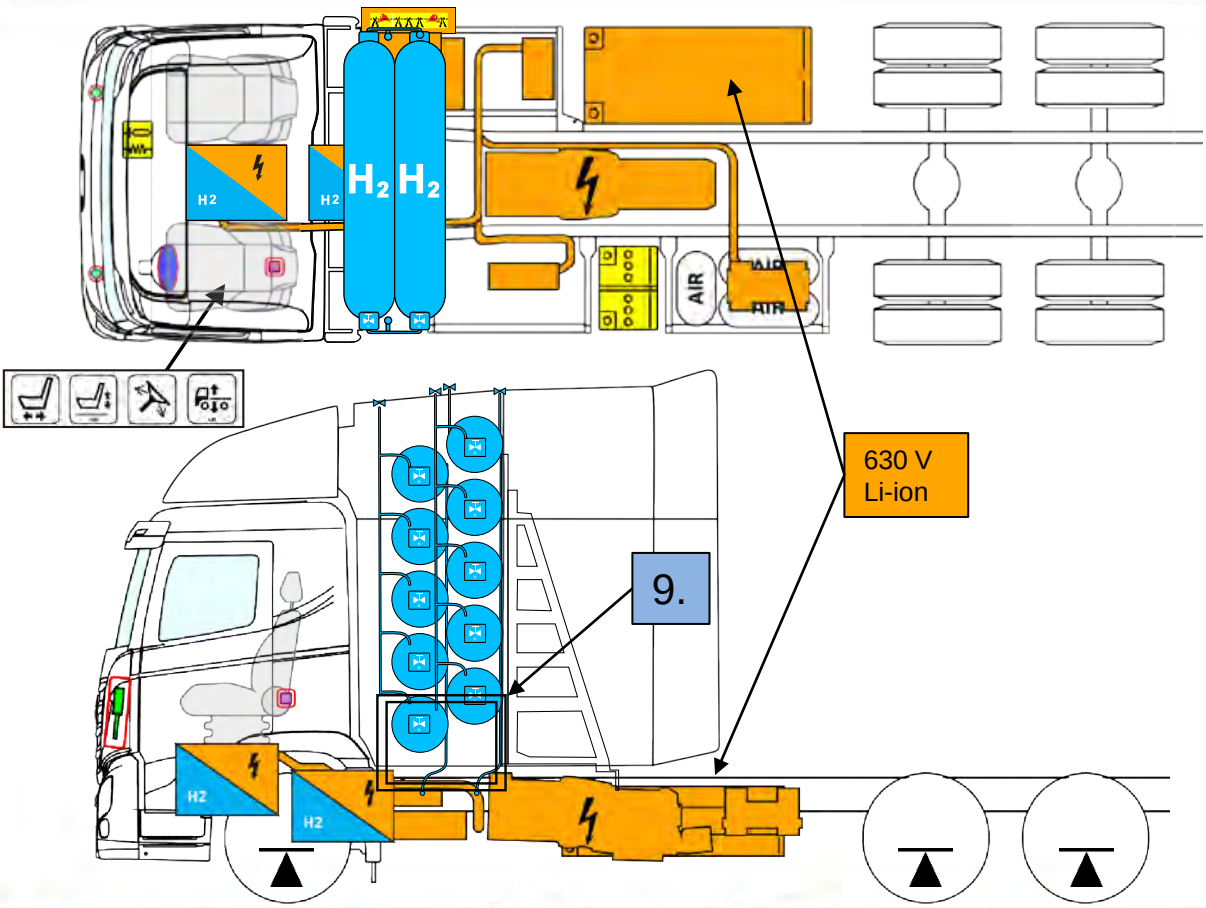
HYUNDAI XCIENT FUEL CELL TRUCK (2023)



Airbag	Seat belt pretensioner	Gas strut/ Preloaded spring	SRS control unit	Battery low voltage
Battery pack, high-voltage	High voltage power cable	High voltage component	Cable cut	Fuel cell component
Gas tank with gas type indication (H2)	Manual gas shut-off valve with gas type indication (H2)	Gas line (H2)	Direction hydrogen overpressure safety valve in vehicle	Lifting point; central support
Seat adjustment, longitudinal	Seat height adjustment by air system	Steering wheel, tilt control	Height control truck, by air system	AIR Air tank
Special attention				

HYUNDAI XCIENT FUEL CELL TRUCK (2023) – Additional Pages

1. Identification / Recognition

LACK OF ENGINE NOISE DOES NOT MEAN VEHICLE IS OFF. SILENT MOVEMENT OR INSTANT RESTART CAPABILITY EXISTS UNTIL VEHICLE IS FULLY SHUT DOWN. WEAR APPROPRIATE PPE.

The Hyundai Xcient can be identified by some unique design features

1. Brand and model name
2. Hydrogen Storage System

1

2

2. Immobilization / Stabilization / Lifting

Immobilize vehicle:

1. Block wheels and set the parking brake
   Pull the both switches to select the P (park) position(Red one is for Trailer, Yellow one is for Tractor)
2. Select the N (Neutral) lever to put the truck into neutral

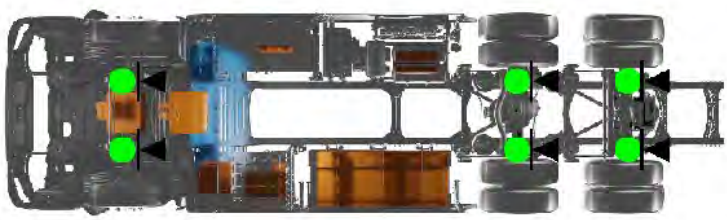
1

2

Lifting points:

Appropriate lifting points

High voltage battery



Picture from underneath

3. Disable direct hazards / Safety regulations

How to deactivate the high voltage system, when the vehicle is ON

Method 1: When the 'Ready' indicator in the instrument cluster is illuminated, press the Start/Stop button and disconnect the 24V Battery.

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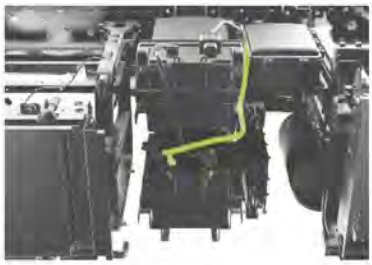
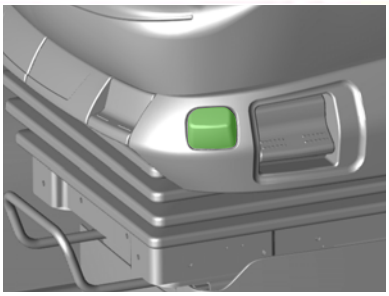
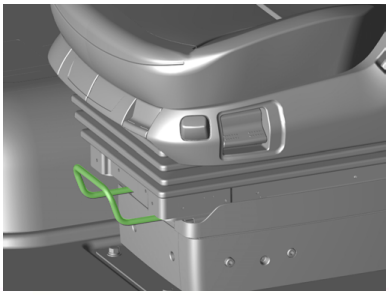


4. Access to occupants





Glas types:

A. Laminated glass

B. Tempered glass

5. Stored energy / liquids / gases / solids

Type	Identification	Content	
NMC		Lithium Ion Nickel Manganese Cobalt Oxide	630 Volt
		24V Battery	24 Volt
H_2		Compressed Hydrogen tank	700 bar and 68.6kg of H2 (Usable)

When conventional coolant leaks (check reservoir) from the high voltage (HV) battery cooling system, HV-battery can become unstable with risk of thermal runaway. An increasing HV-battery temperature might be an indicator of thermal runaway.

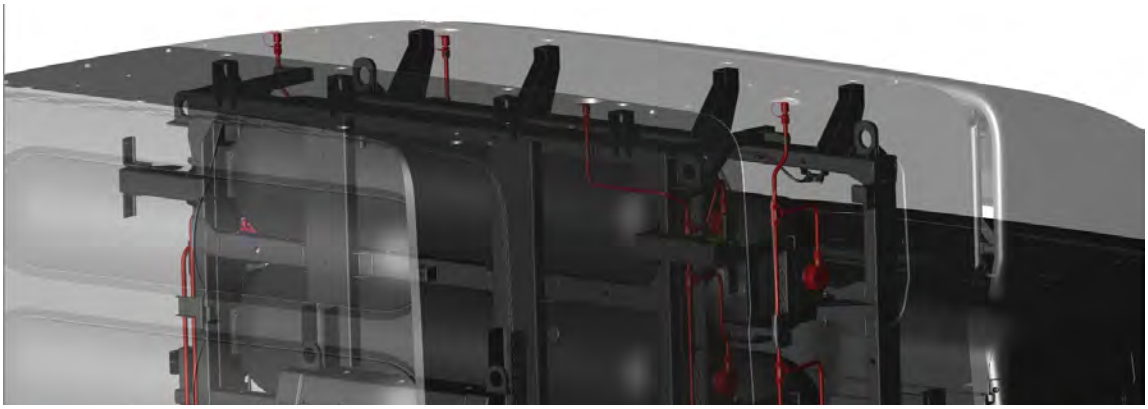
6. In case of fire

USE LARGE AMOUNTS OF PURE WATER

POTENTIAL RISK OF BATTERY RE-IGNITION / DELAYED IGNITION!

Temperature **P**ressure **R**elease **D**evice **(TPRD)** opens at the 110℃ (loud hissing noise).
In the event of the fire, hydrogen will be released directly from the hydrogen tank. You may hear a hissing or a roaring sound as the hydrogen escapes, and it can take up to 60 minutes for a full tank to empty.

Stay clear of the vent location as indicated by the red lines.
Avoid cutting into the hydrogen pressurized line (Both Vent and Processing line)



7. In case of submersion

- There is no increased risk of electric shock in water resulting from the high voltage system.
- If possible, remove the vehicle from the water and continue with the deactivation procedure for this vehicle (see chapter 3).

8. Towing / Transportation / Storage

Towing

Store vehicle in an open-air parking at safe distance ≥ 5m from other objects or vehicles!

IR

Potential risk of battery re-ignition / delayed ignition!

9. Important additional information

Deactivate hydrogen flow.

To deactivate hydrogen supply from each tank to the stacks, turn the manual valve located at the left side of the vehicle to the right. It's recommended closing all 10 tank valves for safety purpose, even though the solenoid valves are close in case of fire.

10. Explanation of pictograms used

	Height control truck, by air system		Risk of flammability
	Warning high voltage		Risk of damaging human health
	Caution		Risk of acute toxicity
	High voltage		Explosive
	Vehicle on hydrogen fuel cell electric vehicle		Risk of corrosive material / substances
	Use water to extinguish the fire		Seat height adjustment. by air system
IR	Use IR Camera (thermal imaging)		Seat adjustment, longitudinal
	Steering wheel, tilt control		Attention; hydrogen burns with an almost invisible flame