630 V Li-ion

9.

Airbag
Seat belt pretensioner
Gas shut/ 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 tank

Special attention
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

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

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.

4. Access to occupants

Glass types:
A. Laminated glass
B. Tempered glass

5. Stored energy / liquids / gases / solids

<table>
<thead>
<tr>
<th>Type</th>
<th>Identification</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>NMC</td>
<td>![NMC Icon]</td>
<td>Lithium Ion Nickel Manganese Cobalt Oxide 630 Volt</td>
</tr>
<tr>
<td></td>
<td>![Battery Icon]</td>
<td>24V Battery 24 Volt</td>
</tr>
<tr>
<td>H₂</td>
<td>![Hydrogen Icon]</td>
<td>Compressed Hydrogen tank 700 bar and 68.6kg of H₂ (Usable)</td>
</tr>
</tbody>
</table>

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 Pressure Release Device (TPRD)** opens at the 110°C (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

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Hyundai Motor Company in cooperation with Moditech Rescue Solutions B.V.

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<td>1.0</td>
<td>05/2023</td>
<td>4 / 5</td>
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</table>
Store vehicle in an open-air parking at safe distance ≥ 5m from other objects or vehicles!

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

<table>
<thead>
<tr>
<th>Pictogram</th>
<th>Description</th>
<th>Meaning</th>
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</thead>
<tbody>
<tr>
<td><img src="image" alt="Height control truck, by air system" /></td>
<td>Height control truck, by air system</td>
<td>Risk of flammability</td>
</tr>
<tr>
<td><img src="image" alt="Warning high voltage" /></td>
<td>Warning high voltage</td>
<td>Risk of damaging human health</td>
</tr>
<tr>
<td><img src="image" alt="Caution" /></td>
<td>Caution</td>
<td>Risk of acute toxicity</td>
</tr>
<tr>
<td><img src="image" alt="High voltage" /></td>
<td>High voltage</td>
<td>Explosive</td>
</tr>
<tr>
<td><img src="image" alt="Vehicle on hydrogen fuel cell electric vehicle" /></td>
<td>Vehicle on hydrogen fuel cell electric vehicle</td>
<td>Risk of corrosive material / substances</td>
</tr>
<tr>
<td><img src="image" alt="Use water to extinguish the fire" /></td>
<td>Use water to extinguish the fire</td>
<td>Seat height adjustment, by air system</td>
</tr>
<tr>
<td><img src="image" alt="Use IR Camera (thermal imaging)" /></td>
<td>Use IR Camera (thermal imaging)</td>
<td>Seat adjustment, longitudinal</td>
</tr>
<tr>
<td><img src="image" alt="Steering wheel, tilt control" /></td>
<td>Steering wheel, tilt control</td>
<td>Attention; hydrogen burns with an almost invisible flame</td>
</tr>
</tbody>
</table>