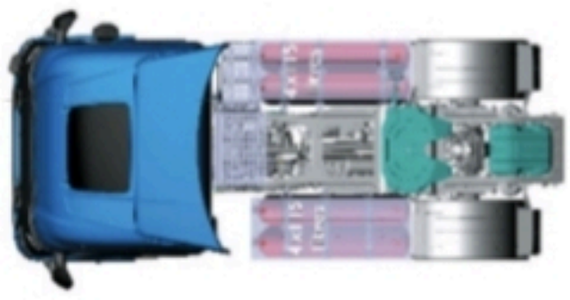
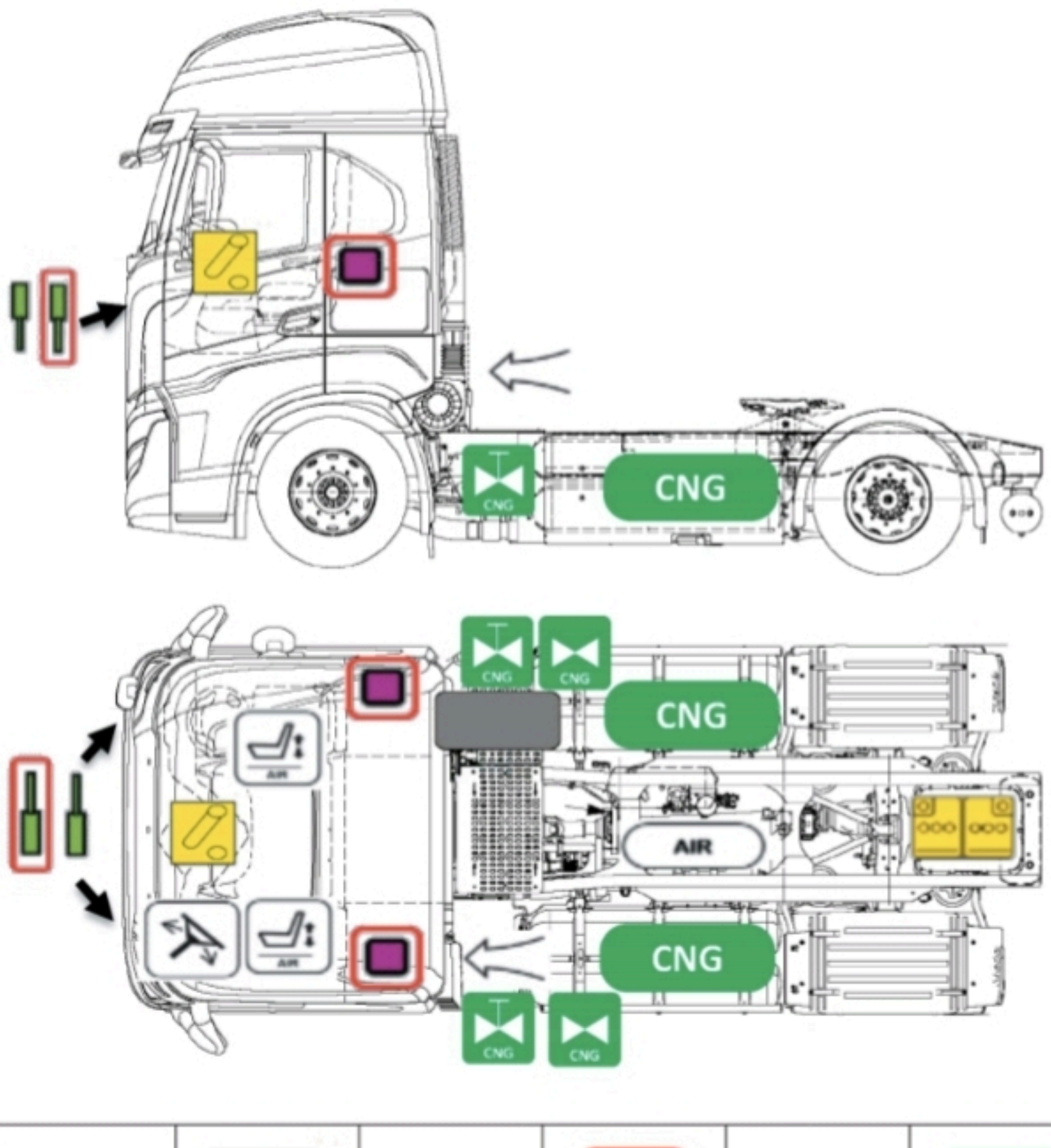
Iveco S/X-Way NP (Natural Power) - Rescue Sheet

IVECO	Iveco S-Way NP (Natural Power) – full CNG version – Tractor 4x2 version (start of production in 2020) Iveco X-Way NP (Natural Power) (start of production in 2021)	CNG	





	Battery low voltage		Power shutdown		Seat belt pretensioner	CNG	CNG manual shut-off valve
	Air intake		Diesel fuel tank	CNG	CNG auto overpressure safety valve	AIR	Air tank
	Steering wheel tilting	CNG	CNG gas tank		Gas strut / preloaded spring	AIR	Seat air adj. by air system

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Iveco S/X-Way NP (Natural Power) - Additional pages of rescue sheet

1. Identification / recognition

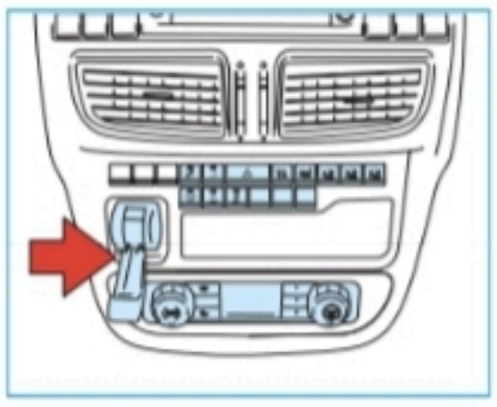
"NP" (Natural Power) front grill badging

Fuel identification label on the CNG tanks

2. Immobilization / stabilization / lifting

IMMOBILIZATION

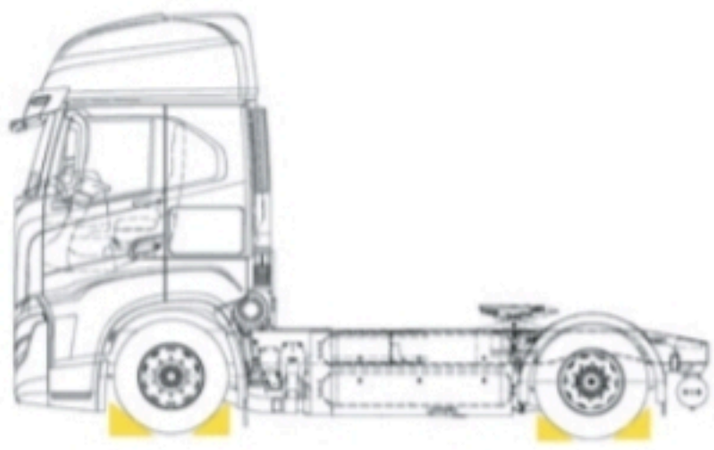
1



Put the vehicle in neutral (N) and engage the handbrake.

2

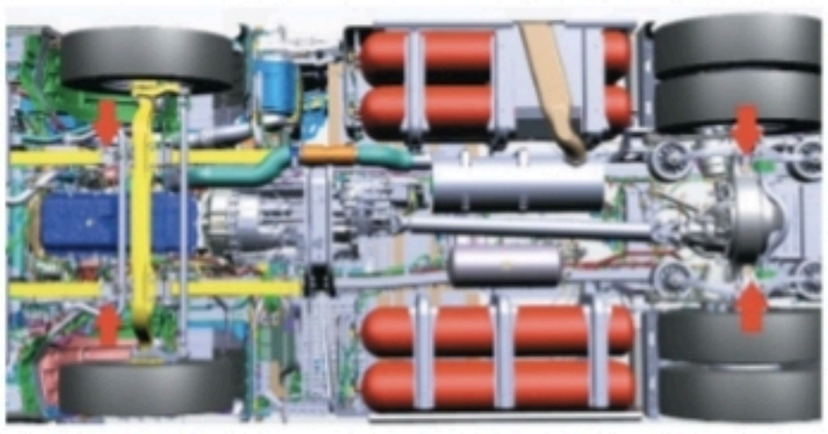
Choke wheels

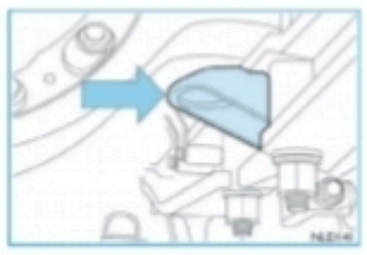


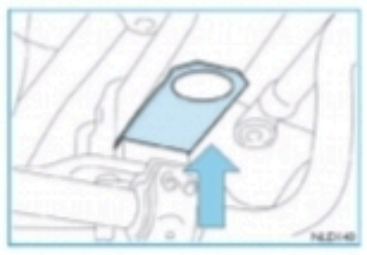
STABILIZATION / LIFTING

Use remote controller (inside the cab close to driver seat) to discharge the air from pneumatic suspensions.

Use these lifting points if it's needed

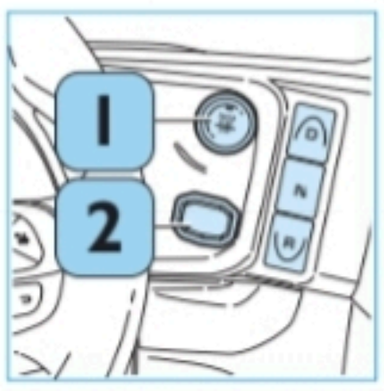






3. Disable direct hazards / safety regulations

MAIN DISABLE METHOD

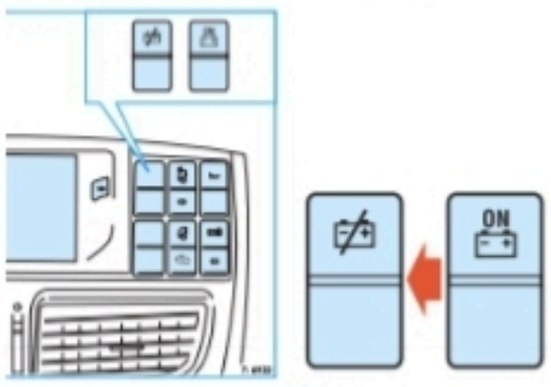


1. Engine stop through the engine STOP button close to the steering wheel inside the cab.
2. Remove the key from the key holder.

In case of ADR version an additional command may be available (optional).

ALTERNATIVE DISABLE METHODS

1

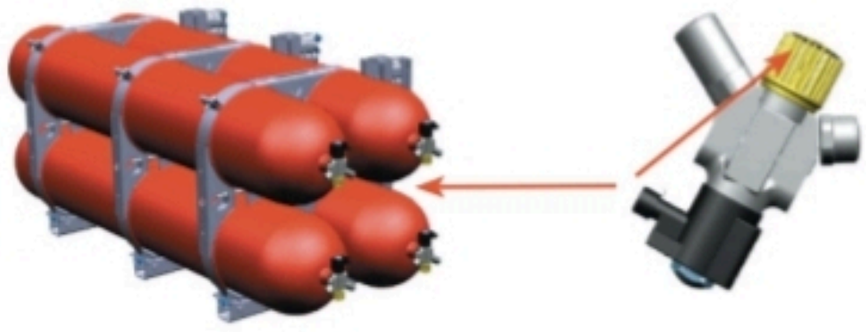


Automatic 24V battery disconnection switch (located on the central dashboard inside the cab). The switch is red for ADR versions.

Manual battery disconnection switch on the chassis in addition to the automatic 24V disconnection switch inside the cab.

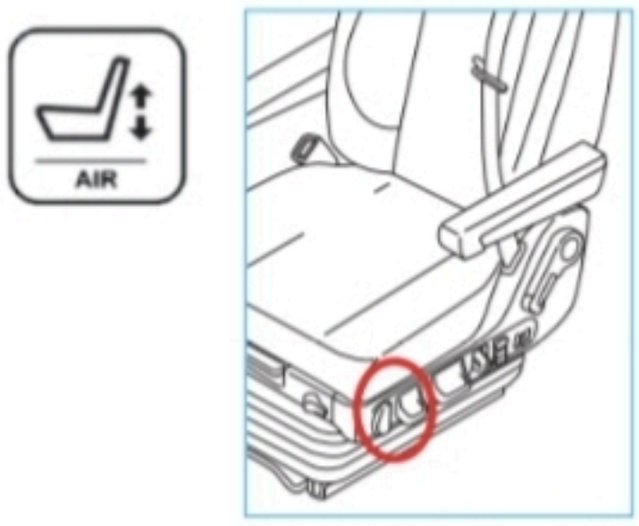
2

CNG

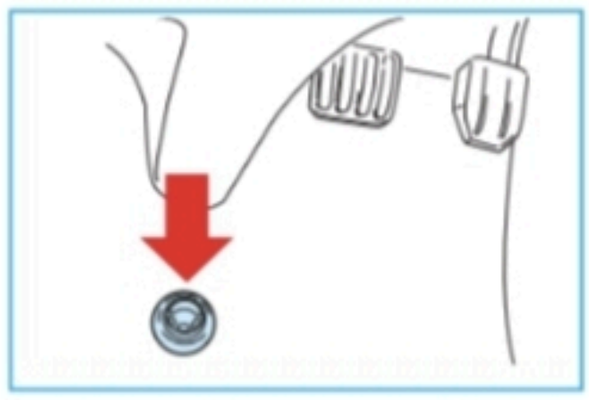


Close the CNG manual valve on each cylinder.

4. Access to the occupants

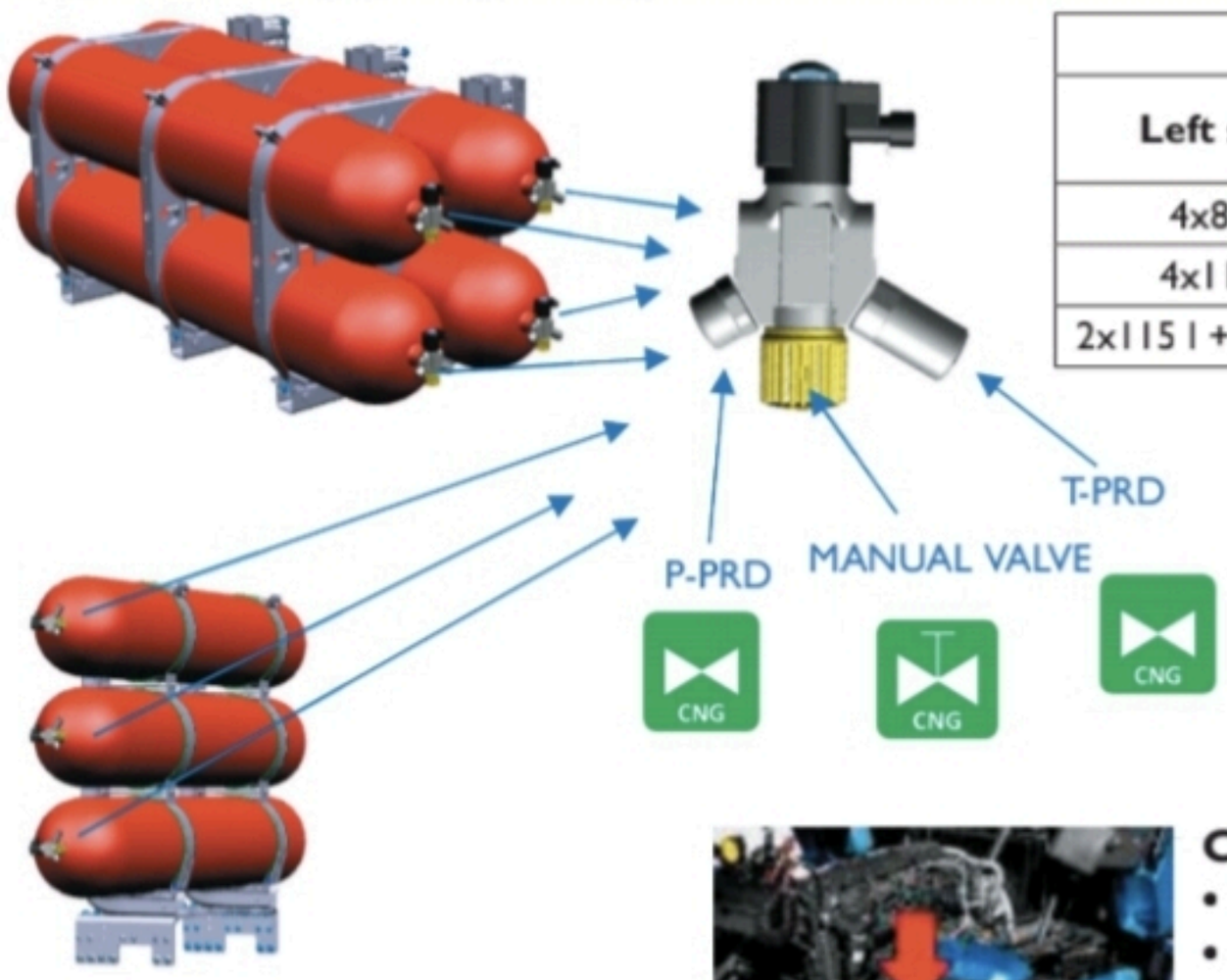


Driver and passenger seat air release in the cab



Press the pneumatic valve on the cab floor under the steering column to tilt or adjust the steering wheel

5. Stored energy / liquids / gases / solids



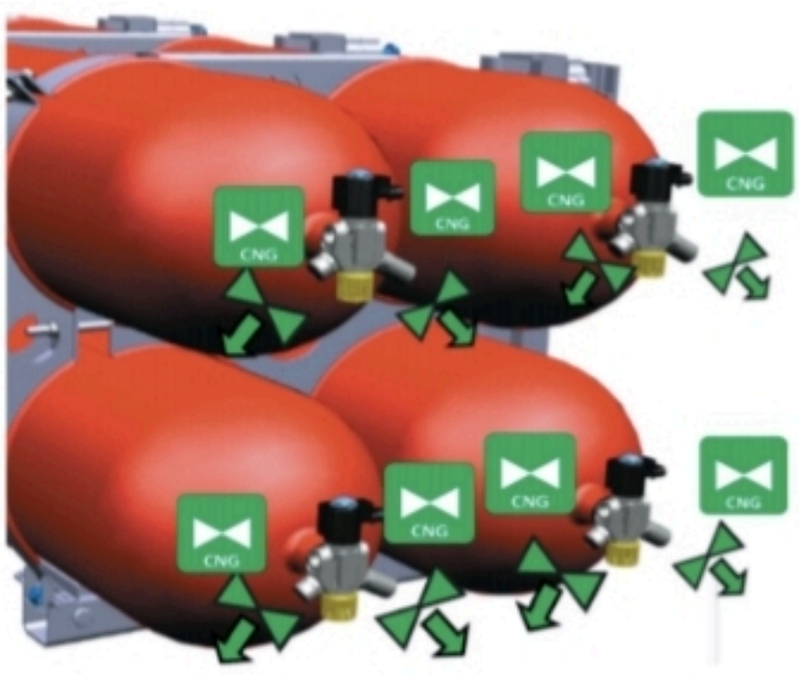
CNG tanks size & position options			
Left side	Right side	Behind cabin	On the frame
4x80 l	4x115 l	3x148 l	4x80 l
4x115 l	2x115 l + 2x148 l		6x80 l
2x115 l + 2x148 l	2x(2x115 l + 2x148 l)		

CNG: no odor or color/very old/explosive

- T-PRD: fuse (thermal) protection (opening at 110±10°C)
- P-PRD: fuse (pressure) protection (opening at 340 bar)
- YELLOW manual gas valve on each CNG cylinder (standard operation) → close it in a clockwise direction to shut-off the fuel

+ 10-liter diesel tank on the right side for the additional cab heater inside the cab

6. In case of fire



CNG automatic overpressure and overtemperature safety valves:

- T-PRD Fuse (thermal) protection, melting and allowing the gas to be discharged safely in case of fire on the vehicle, preventing cylinder explosions due to overpressure. Melting temperature: 110±10°C.
- P-PRD Fuse (pressure) protection allowing the gas to be discharged safely in case of overpressure (340 bar).

In case of fire, automatic overpressure and/or overtemperature valves could work tostop rising pressure into the tank. In this case, a flare-up could be seen.
The tanks will blow off till totally empty (no auto-close is permitted).

Use water to extinguish vehicle and cool the heat source(s) close to the CNG cylinders. Don't put water on TPRD valves (opens @110±10°C).
Cold water could prevent opening when tanks get heating up.Cool the tanks taking care of not freeze overpressure valves.

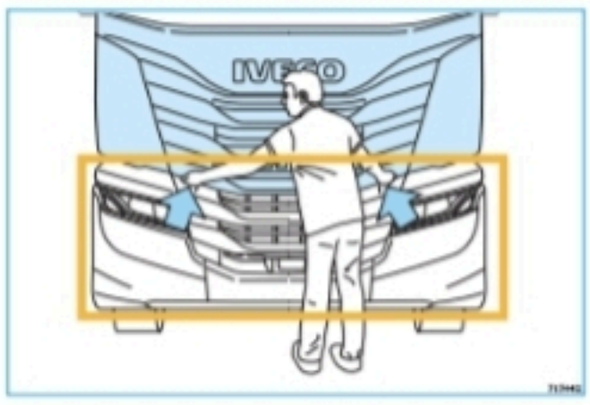
After risk assessment, if necessary use foam.

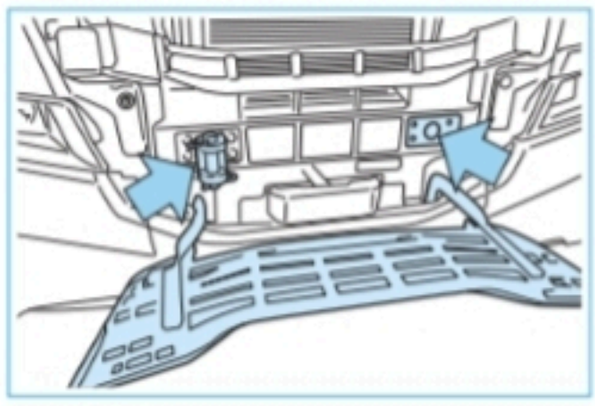
After risk assessment, if necessary use ABC powder extinguisher near the tank.

7. In case of submersion

No specific information.

8. Towing/transportation / storage

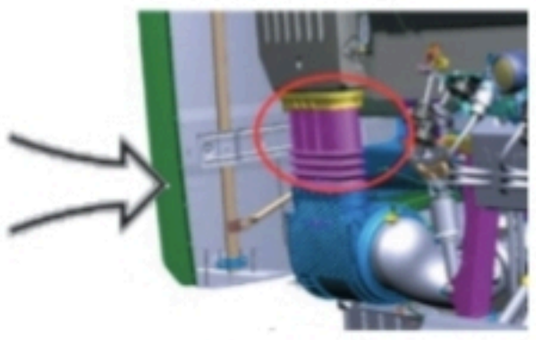




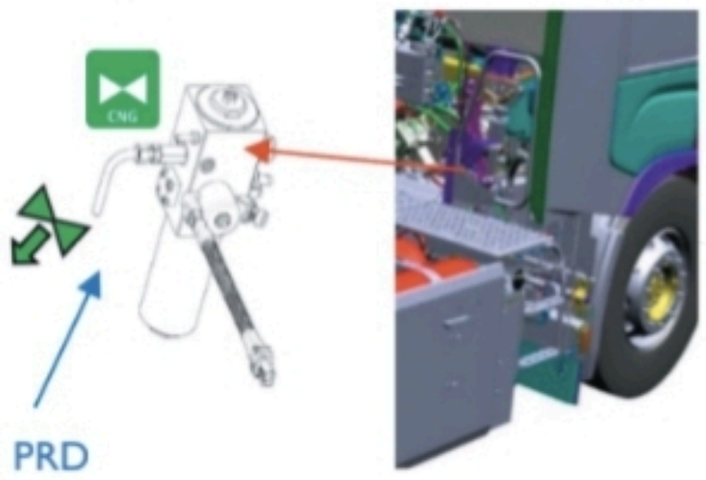
Max towing speed: 40 km/h and max permitted towing distance: 100 km.

9. Important additional information

Two hands pulling to release the hood

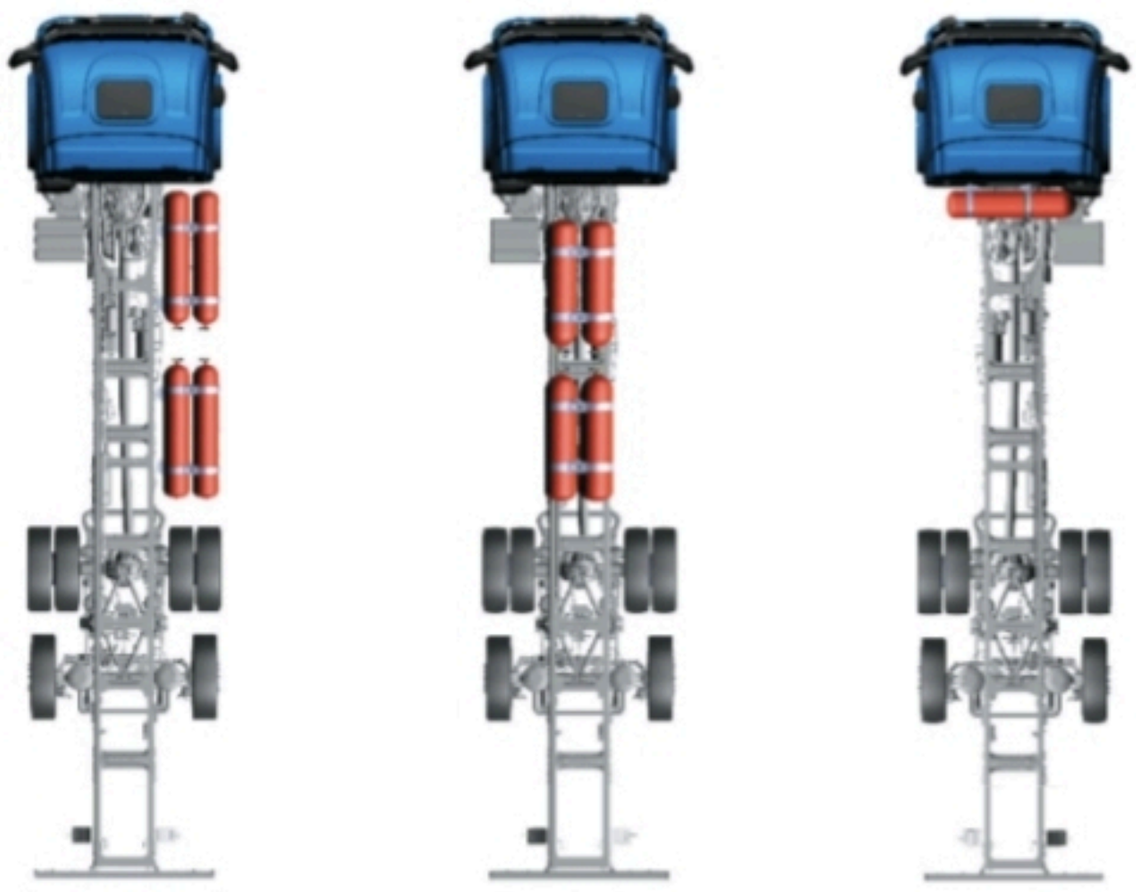


Alternative to stop engine:
Air intake to put carbon dioxide-CO_2 in it



- PRD integrate relief valve in the pressure regulator in case of overpressure (13,5 bar)

CNG tanks position options



8 marks (each side) cutting point identification on the cab structure