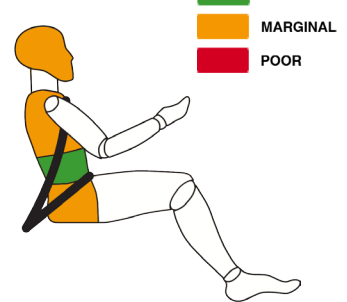


Club Car Villager 2+2 LSV

All-electric, 4 seat heavy quadricycle



FRONTAL 2.0 pts (of 16)



SIDE 9.0 pts (of 16)

Specifications

Seats	4
Power source	Electric motor
Kerb weight	541 kg
Maximum speed	40 km/h

Safety features

Three point seatbelts (front seats)
Lap belts (rearward facing rear seats)

Comments

Structure

The maximum speed of the Club Car is 40km/h so a frontal impact at 50km/h represents a collision with another vehicle. In the frontal impact, the structure of the Club Car collapsed. The steering wheel moved rearwards by nearly half a metre. The dummy's head hit the steering wheel and the values recorded indicated a very high risk of fatal injury. The chest pressed against the steering wheel, taking most of the force of the dummy. As a result, there was relatively little force on the seatbelts and they, and their connection to the rear pillar, stayed intact during the impact. The seat base hinged forwards in the impact and this, combined with the intruding instrument panel, led to the tops of the dummy's tibias striking the facia, leading to very high displacements in the knees. Protection of the knees and femurs was rated as poor. In the side impact, there was nothing to protect the dummy from the striking barrier. The driver's seat became detached from the structure and moved sideways, together with the lower part of the test dummy.

Restraints

No airbags are available on the Villager 2+2 LSV. The seatbelts did not break or detach in the frontal test as most of the force was taken by the intruding steering wheel. In the side impact, the head of the dummy was exposed outside the structure of the vehicle, increasing the risk of dangerous head contact in real-world accidents, and the score was penalised.