



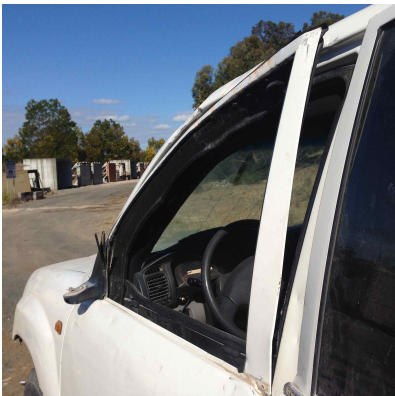
Civilian Armoured Vehicles (CAVs) The Essence of Protection, Discretion and Mobility

The Critical Importance of Door Protection

A critical aspect commonly overlooked when it comes to the maintenance of civilian armoured vehicles relates to the regular inspection of doors.

As a vehicle gets older, and is subject to the rigors of poor road conditions and everyday driving, doors can drop out of their optimal alignment with the doorframe.

A well-built armoured vehicle will certainly incorporate specifically designed, and rated, hinges that take into account the additional weight of the armoured door. In addition, the door hinges must not just be attached to the soft skin base vehicle pillar. They need to be suitably welded into the overall reinforced pillar. Anything less than this standard will compromise the overall protection afforded by the armoured “shell”.



But even the best built vehicle and door design will need regular inspection and maintenance as to the how the door hangs and fits into the doorframe. The best way to do this is carefully watch the door as it closes and look for any vertical movement as the door itself moves into the doorframe.

Some small amount of vertical movement can be expected and if found, should be carefully and regularly inspected. If you do notice that this vertical movement does get worse, then you should immediately liaise with the original uparmourer and get expert advice as to how to make the necessary adjustment to bring the door back into proper alignment. Compensating the “dropped door syndrome” with a metal plate on the lower part of the door frame so as to push the door up is simply an unacceptable solution as it does not attend to the root cause of the problem.

If I can assist you with any aspects of civilian armoured vehicles, please do not hesitate to contact me at armouredconsulting.com

Written by Rob Getreu, Senior Consultant, **Armoured Consulting**