



# Helping New Zealanders Build & Modify Safe Vehicles

## Technical Advisory Committee (TAC) Outcome Reporting Form For reporting on 'Variations from Technical Requirements' (VTR's)

**TAC Meeting Date: 3 August 2021**

Date(s) Considered *	3/8/2021
Application Type * (E.g. modification, component approval.)	For the use of non-compliant components
Description of matter(s) under consideration *	Requesting permission to use 'Black Magic Hydraulics' hydraulic suspension pump and valve-block assembly. These do not meet the LVVTA technical requirement that requires a system uses a separate pump per corner.
Conflict of interest declaration	None
Information provided by applicant *	<ul style="list-style-type: none"> <li>• Suspension (Front &amp; Rear) sections of the application form 'Form 4B'.</li> <li>• Covering letter from applicant outlining details of components and modifications</li> <li>• Email in support of application from LVV Certifier Martin Jones</li> <li>• Letter from Black Magic Hydraulics explaining the company and his system</li> <li>• Component details and photographs</li> </ul>
Sections of the LVV Code relevant to the decision *(If outside the scope of the LVV Code, note how.)	<ul style="list-style-type: none"> <li>• The NZ Car Construction Manual Chapter 6 section 6.59(3).</li> </ul>
Considerations (Record judgments and rationale.)	<ul style="list-style-type: none"> <li>• This system was not available in NZ at the time of the development of the original release of the NZ Hubby Car Technical Manual (2007).</li> <li>• This system utilises a valve-block to distribute pressure to each individual corner, much like an air-bag system.</li> <li>• There are other technical requirements (bump-stops) which will prevent a catastrophic failure should one corner suffer a sudden pressure loss.</li> </ul>
Decision & number*	Approved VTR00013