Vehicle and modifier details

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| --- | --- | --- |
| Vehicle make: | Vehicle model: | Month and year of manufacture: |
|  |  |  |
| VIN (if applicable): | Vehicle chassis no. (if applicable): | Vehicle modifier (company name): |
|  |  |  |

Advanced braking systems

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Braking systems  | Check Yes, No, N/A as applicable: | Yes | No | N/A |
| 1 | Is the advanced braking system (where fitted) un-affected or re-certified after the vehicle modification? | [ ]  | [ ]  | [ ]  |

Modification details

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Modification criteria  | Check Yes or No as applicable: | Yes | No |  |
| 1 | Has the modification been performed in accordance with the manufacturer’s guidelines? | [ ]  | [ ]  |  |

Installation details

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| General body installation  | Check Yes, No, N/A as applicable: | Yes | No | N/A |
| 1 | Is the vehicle within the maximum allowable dimensions as prescribed by the Australian Design Rules (ADRs), relevant mass, dimension and loading regulation or applicable dimension exemption?  | [ ]  | [ ]  |  |
| 2 | Is the attachment of the body capable of supporting the maximum loads imposed by the payload and the body weight during worst case conditions, while evenly distributing the load throughout the chassis? | [ ]  | [ ]  |  |
| 3 | If body mounting brackets are used, are they bolted to the chassis rail web as required by this modification code or otherwise done in accordance with the vehicle manufacturer’s guidelines or in accordance with a suitable engineering design? | [ ]  | [ ]  | [ ]  |
| 4 | Does the front end of the body sub-frame give a progressive load bearing transition to the chassis? | [ ]  | [ ]  | [ ]  |
| 5 | Are the body mounting attachments (fish plates, U-bolts etc.) in appropriate locations and spacing along the chassis and body sub-frame? | [ ]  | [ ]  | [ ]  |
| 6 | If U-bolts are used, and the vehicle does not have a box type frame, are metal spacers inserted between the top and bottom flanges of the chassis rail to prevent distortion of the flanges below the U-bolts? | [ ]  | [ ]  | [ ]  |
| 7 | If U-bolts are used with wooden runners, are the runners protected from U-bolt damage by steel capping or shaped spacers under bolts? | [ ]  | [ ]  | [ ]  |
| 8 | If U-bolts are used, are at least four (4) outrigger brackets or fishplates used, one on each side of the vehicle at the front and rear? | [ ]  | [ ]  | [ ]  |
| 9 | Do all bolts used meet a minimum SAE Class 5 or ISO Grade 8.8? | [ ]  | [ ]  | [ ]  |
| Rigid type body installation (i.e., road tank vehicles)  | Check Yes, No, N/A as applicable: | Yes | No | N/A |
| 10 | Does the mounting system for the tank accommodate the torsional stiffness of the tank while still retaining the chassis frame flexibility? | [ ]  | [ ]  | [ ]  |
| 11 | Are the mounting brackets of sufficient strength to safely support the load? | [ ]  | [ ]  | [ ]  |
| Road tank vehicles carrying liquid dangerous goods  | Check Yes, No, N/A as applicable: | Yes | No | N/A |
| 12 | Does the road tank vehicle meet requirements of the Australian Code for the Transport of Dangerous Goods by Roads and Rail? | [ ]  | [ ]  | [ ]  |
| Truck-bus body installation  | Check Yes, No, N/A as applicable: | Yes | No | N/A |
| 13 | Is the installation in accordance with a certified J2 design? | [ ]  | [ ]  | [ ]  |
| 14 | If ADR 59/.. applies, does the bus-body and its attachment to the chassis designed to meet the strength and performance requirements of ADR 59/.. ? | [ ]  | [ ]  | [ ]  |
| 15 | Was the J1 document package provided with the J2 design certification followed? | [ ]  | [ ]  | [ ]  |
| 16 | If the bus body installed has been re-fitted from a previous vehicle, does the SSM approval plate (if fitted) or manufacturer’s plate remain fitted to the vehicle? | [ ]  | [ ]  | [ ]  |
| 17 | If applicable, does the vehicle meet the requirements of ADR 44/.. and/or ADR 58/.. ? | [ ]  | [ ]  | [ ]  |
| 18 | Does the vehicle meet the braking requirements of Australian Design Rule (ADR) 35/.. at the applicable category (i.e., ME, MD)? | [ ]  | [ ]  | [ ]  |
| Roll-over or falling object protection system installation  | Check Yes, No, N/A as applicable: | Yes | No | N/A |
| 19 | Is the installation in accordance with a J3 design?  | [ ]  | [ ]  | [ ]  |
| 20 | Does the ROPS or FOPS mounting plate extend at least 2H either end of the ROPS or FOPS or alternatively, does the design provide a load bearing transition of stress into the chassis? | [ ]  | [ ]  | [ ]  |
| 21 | Have non-collapsing washers be used with fasteners and self-locking nuts, or vibration-proof fasteners? |  |  |  |
| 22 | Have any holes drilled into the vehicle’s chassis by the ROPS or FOPS been certified to Section H — Chassis? | [ ]  | [ ]  | [ ]  |
| 23 | Have holes required to be drilled in a chassis by the ROPS or FOPS design allow for compliance with Section H — Chassis? | [ ]  | [ ]  | [ ]  |
| 24 | Have a copy of calculations or test results for the chassis stress and fatigue which have been supplied by the ROPS or FOPS manufacturer been kept with the certification? | [ ]  | [ ]  | [ ]  |
| Tipper body installation  | Check Yes, No, N/A as applicable: | Yes | No | N/A |
| 25 | Is the installation in accordance with a certified J4 or OEM design? | [ ]  | [ ]  | [ ]  |
| 26 | Are mounting brackets fitted in accordance with the approved design? | [ ]  | [ ]  | [ ]  |
| 27 | Is a body prop fitted in accordance with the approved deign?  | [ ]  | [ ]  | [ ]  |
| 28 | Are all hydraulics, pneumatics and controls fitted in accordance with the approved design? | [ ]  | [ ]  | [ ]  |
| 29 | Was the J1 document package provided with the J4 design certification followed? | [ ]  | [ ]  | [ ]  |

Compliance

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Modification  | Check Yes or No as applicable: | Yes | No |  |
| 1 | Does this modification meet all the requirements of the manufacturer’s guidelines / Modification Code J1? | [ ]  | [ ]  |  |
| 2 | Is the quality of the work to an accepted industry standard? | [ ]  | [ ]  |  |
| 3 | Have all of the modification details and all calculations applicable to the modification been recorded in accordance with the record keeping requirements of VSB6? | [ ]  | [ ]  |  |
| 4 | Does the vehicle continue to comply with ADRs and heavy vehicle standards regulations affected by the modification? | [ ]  | [ ]  |  |

Authorisation

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| --- |
| **Other than modification criteria, if the answer to any relevant question is NO the modification is not acceptable.** |
| **Comments:** |  |
| Examined by: | Company (if applicable): | AVE no.: |
|  |  |  |
| Signed: | Modification certificate no.: | Modification plate no.: | Date: |
|  |  |  |  |