

# CONDITION OF CHASSIS

## APPLICATION

This inspection applies to all vehicles and trailers.

## PROCEDURE AND STANDARDS

Check main, cross members and outriggers which have load restraining devices attached to them (e.g. twistlocks) for fractures, cracking, advanced corrosion and deformation. Check the security of fastenings between the frame and cross members including securing bolts and rivets. Check the soundness of any welds.

On integral bodied vehicles and trailers where the body panels provide an important part of the strength of the vehicle check that where any replacement panels have been fitted that they are of a suitable material and that they have been secured in a way that ensures the strength of the structure will be maintained.

### Note:

For integral construction the term chassis should also be taken to apply to the underframe. For vehicles without a chassis those parts of the body must be examined which take the place of the chassis.

When assessing corrosion it must only be regarded as a failure if it is sufficiently advanced to obviously impair the strength of a load bearing member.

## REASONS FOR FAILURE

	<b>Deficiency Category</b>
1. Any main or cross member or outrigger which has a load restraining device attached:	
a. Fractured, cracked, corroded or deformed.	MAJOR
b. Fractured, cracked, with excessive corrosion or deformed so that the control of the vehicle is likely to be	DANGEROUS

affected or the load will become insecure.

2. Frame and/or cross member fastenings:

- |    |                                                                                                                                                              |           |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| a. | Insecure flitch plates and/or fastenings or weld breaking away.                                                                                              | MAJOR     |
| b. | Insecure flitch plates and/or fastenings or weld breaking away so that the control of the vehicle is likely to be affected or the load will become insecure. | DANGEROUS |

3. Integral body replacement panels:

- |    |                                                                         |           |
|----|-------------------------------------------------------------------------|-----------|
| a. | Of an obviously unsuitable material.                                    | MAJOR     |
| b. | Of an obviously unsuitable material and stability impaired              | DANGEROUS |
| c. | Not adequately secured by an appropriate method.                        | MAJOR     |
| d. | Not adequately secured by an appropriate method and stability impaired. | DANGEROUS |