The fitting of a bonnet scoop (forward or rearward facing) to a motor vehicle is only acceptable provided that it is designed, built and fitted in a way that it minimises the risk of bodily injury to a person making contact with the vehicle in a collision with a pedestrian. Hazardous protrusions or projections are specifically prohibited from all vehicles.

**Requirements**

Bonnet-mounted scoops must comply with these requirements:

- When a 165mm diameter sphere is placed on the bonnet in front of the scoop (or bonnet projection) and rolled rearwards until it touches the scoop, no point of contact between the sphere and the scoop shall lie above a horizontal plane passing through the centre of the sphere.

- There is no maximum height specified for a bonnet scoop, however it is unacceptable if it restricts the field of view of the driver under normal operating conditions. As a guide when sitting in the driver’s seat with the seat located at its rearmost and lowest position, it shall be possible to see either a line drawn 11 metres ahead of the vehicle, in front of the driver’s eye or the front edge of the original body when looking across the top of the bonnet scoop.

- Holes may be cut in the bonnet to allow the protrusion of an air cleaner or carburettor above the bonnet line, but below the bonnet scoop, providing that the bonnet scoop or raised bonnet section is manufactured from equivalent strength material compared with that of the OEM bonnet. It is not normally acceptable to cut bonnet-reinforcing braces unless the bonnet structure is modified to retain strength comparable with the original. Any sharp edges created must be suitably treated.

- All edges and corners shall have a radius of not less than 5mm and of general design and construction to reduce the risk of bodily injury to any person.

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Example of a bonnet scoop that is not acceptable

Preferred bonnet scoop
Conclusion

Bonnet scoops that have the potential to increase injuries to pedestrians in a collision including the hornet or tunnel ram style are not acceptable. However bonnet scoops that are similar in design to the Holden A9X Torana or Walkinshaw Commodore would be considered as being acceptable. Forward facing bonnet scoops may be acceptable provided they meet the above requirements and no object can pass beyond the forward edge of the bonnet scoop.

Diagram: Requirements for bonnet mounted scoops

Diagram: Requirements for the 11 metre rule

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