

	<b>SURFACE VEHICLE RECOMMENDED PRACTICE</b>	<b>SAE</b> <b>J682 MAY2011</b>
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Rear Wheel Splash and Stone Throw Protection		

#### RATIONALE

The Vehicle Characterization Committee which owned the report has become inactivated and the technical expertise for the subject report within the Truck-Bus Council is not available at this time.

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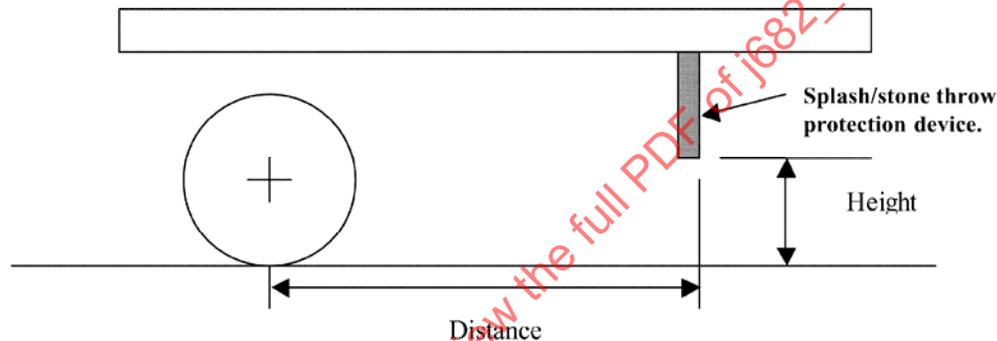
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1. **Scope**—For guidance only in regard to highway commercial motor vehicles where protection to the rear against rear wheel splash and stone throw is deemed necessary, the following clearance specifications are recommended.
2. **References**—There are no referenced publications specified herein.
3. **Splash and Stone Throw Clearance**—The vertical measure from the ground to the bottom edge of the wheel house, fender, guard, or other splash and throw limiting part of the vehicle, shall not exceed one-third of the horizontal distance from that bottom edge to the center line of the axle. See Figure 1. However, such limiting part need be no closer to the road than 15.24 cm (6 in), when the vehicle is loaded.<sup>1</sup>
4. The splash and throw limiting part shall extend laterally for at least the width of the tire or tires.
5. The splash and throw limiting part shall be as far to the rear from the wheel as practical, for greatest efficiency. See Figure 1.



Vertical "Height" to be not more than 1/3 of horizontal "Distance" between axle centerline and splash/stone throw protection device.

FIGURE 1—SPLASH AND STONE THROW CLEARANCE

1. To clear curb, snow, mud, ice, or other road obstructions.