

1. SCOPE

This SAE Recommended Practice establishes the recommended locations for the air brake and electrical connections for towing multiple trailers. It applies to all commercial trailers except drop frame and car haul types.

2. REFERENCES

2.1 Applicable Publications

The following publications form a part of the specification to the extent specified herein. Unless otherwise indicated, the latest issue of SAE publications shall apply.

2.1.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or 724-776-4970 (outside USA), www.sae.org.

SAE J318 Automotive Air Brake Line Couplers (Gladhands)

SAE J560 Primary and Auxiliary Seven Conductor Electrical Connector for Truck-Trailer Jumper Cable

SAE J702 Brake and Electrical Connection Locations—Truck-Tractor and Truck-Trailer

2.2 Related Publications

The following publications are provided for information purposes only and are not a required part of this document.

2.2.1 International Organization for Standardization (ISO) Publication

Available from ANSI, 25 West 43rd Street, New York, NY 10036-8002, Tel: 212-642-4900, www.ansi.org.

ISO 4009 Commercial vehicles—Location of electrical and pneumatic connections between towing vehicles and trailers

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3. CONNECTION AND MOUNTING STRUCTURE

Connection and mounting structure should conform the dimensional parameters of Figures 1 and 2 and must withstand normal use without residual deformation to the mounting or trailer structure. In the case of trailers designed for use with C-dollies, refer to Figure 3.

4. BRAKE AND ELECTRICAL CONNECTIONS

4.1 Connection Location at Back of Trailer (Standard)

Brake and electrical connections should be located as shown in Figure 1. Any auxiliary electrical connectors should be mounted just in-board from the J560 connector.

4.2 Connection Location at Back of Trailer (C-Dollies)

Brake and electrical connections should be located as shown in Figure 3. Any auxiliary electrical connectors should be mounted just in-board from the J560 connector. All connection locations should be on the roadside of the underride guard, for ease of access.

4.3 Connection Location at Front of Trailer(s)

Brake and electrical connections at the front of a trailer should be located in accordance with SAE J702.

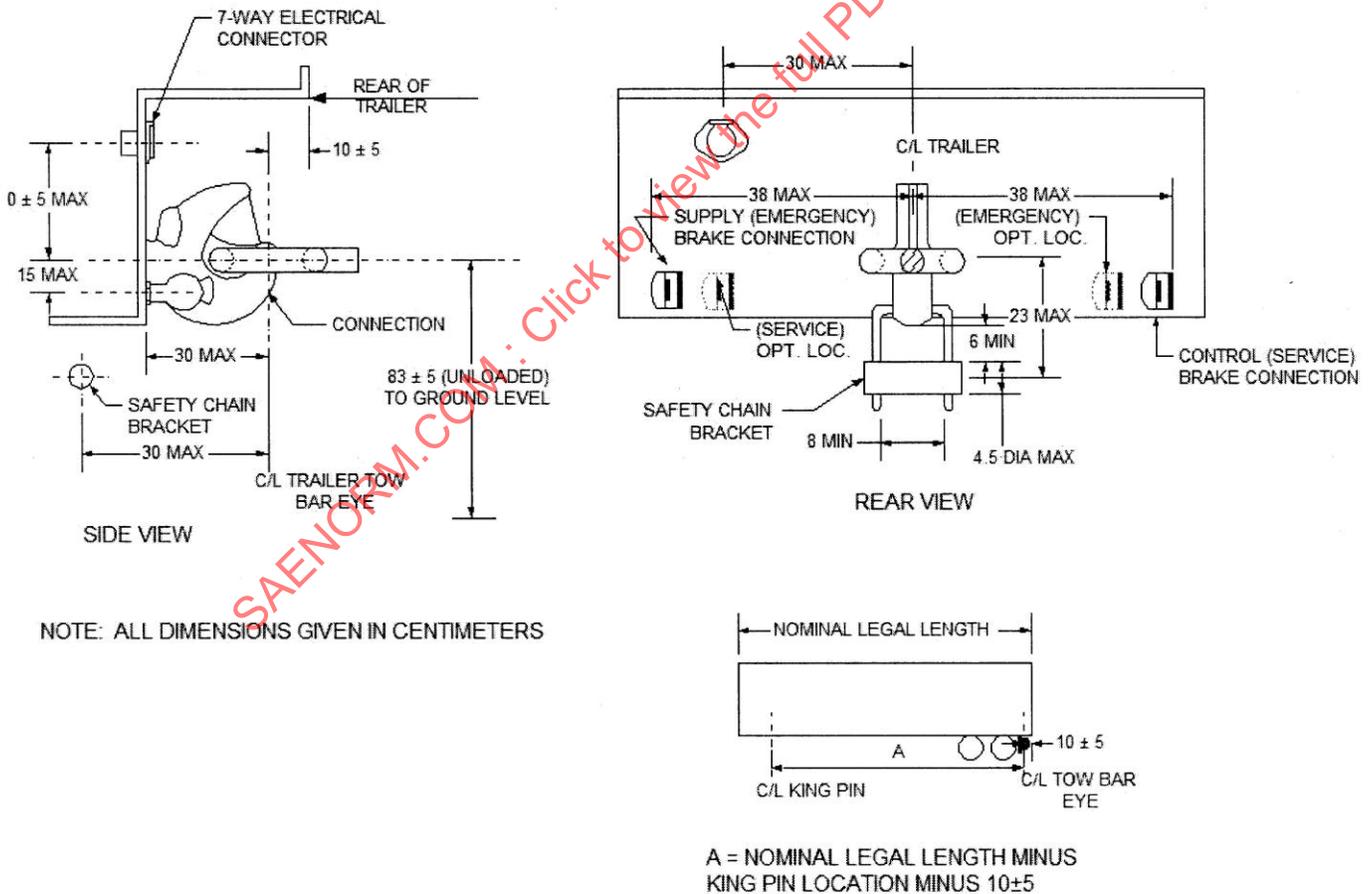


FIGURE 1 - BACK OF TRAILER - RECOMMENDED LOCATIONS (NON-C DOLLIES)

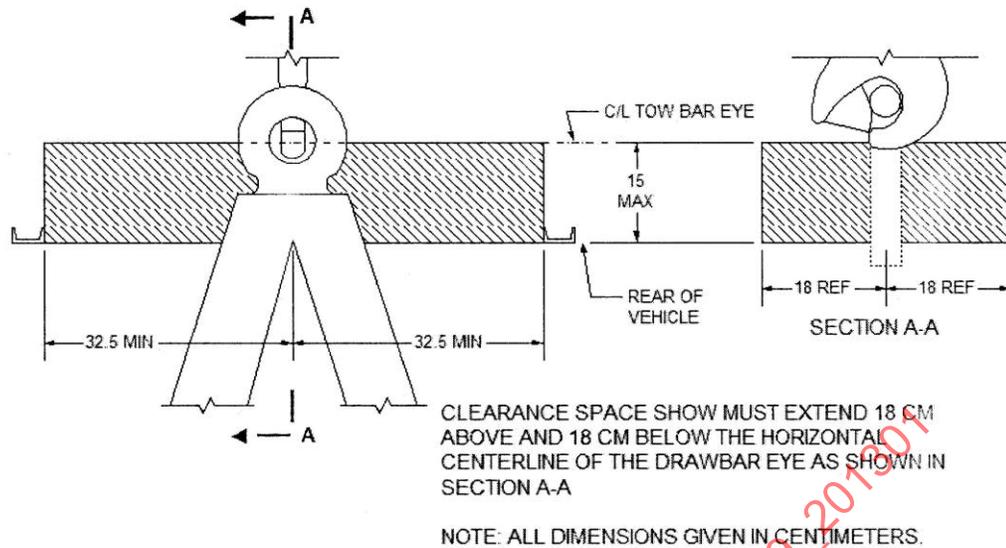


FIGURE 2 - CLEARANCE AREA FOR DRAWBAR EYE

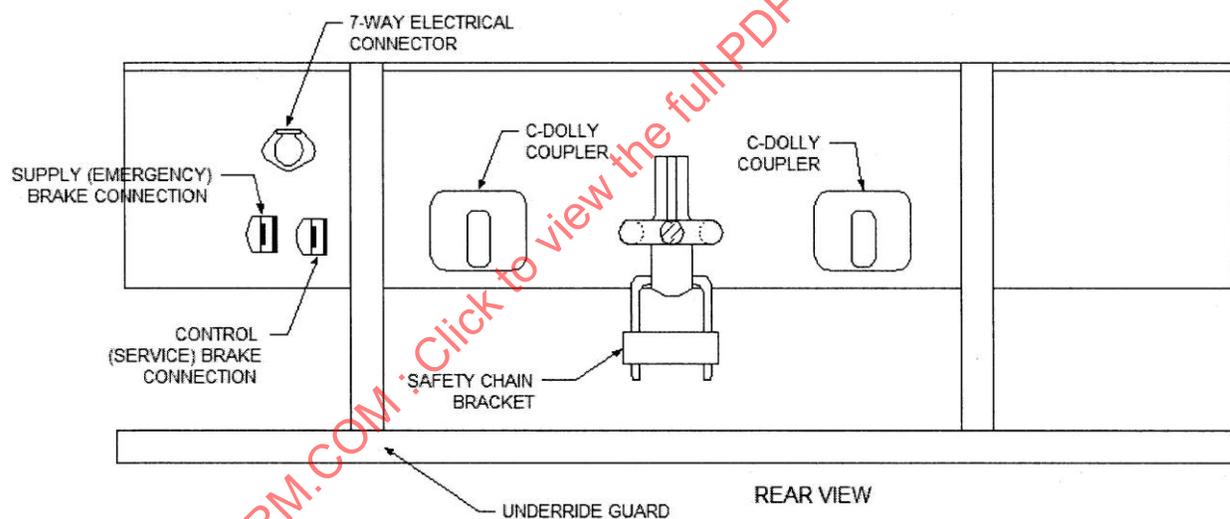


FIGURE 3 - BACK OF TRAILER - RECOMMENDED LOCATIONS (C DOLLIES)

4.4 Electrical Connections

The electrical connection should meet the provisions contained in SAE J560.

4.5 Brake Connection

The air brake connections should meet the provisions contained in SAE J318.