

SURFACE VEHICLE RECOMMENDED PRACTICE

SAE J702

REV.
MAY85

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An American National Standard

(R) BRAKE AND ELECTRICAL CONNECTION LOCATIONS—TRUCK-TRACTOR AND TRUCK-TRAILER

1. **Scope**
2. **References**—There are no referenced publications specified herein.
3. **Truck-Tractor Brake and Electrical Connections**
 - 3.1 **Truck-Tractor Fittings**—Fittings for stowing the cable and hose shall be located back of cab within the area shown in Figure 1.
 - 3.2 **Truck-Tractor Electrical Connections**—These should be mounted between the air connectors.
 - 3.3 **Jumper Hose and Cable Length**—Care should be exercised in calculating hose and electrical jumper cable lengths to make certain that there will be sufficient length to accommodate the back of cab to nose of trailer locations shown at all degrees of trailer articulation.
 - 3.4 **High Profile Cabover Engine Truck-Tractor Brake and Electrical Connection Access**—If these connections are located such that they are *not* accessible from the ground by a 5th percentile female, then access steps, handholds, and/or deck plates should be provided in accordance with FMCSR Part 399, Subpart L, "Step, Handhold, and Deck Requirements on Commercial Motor Vehicles."

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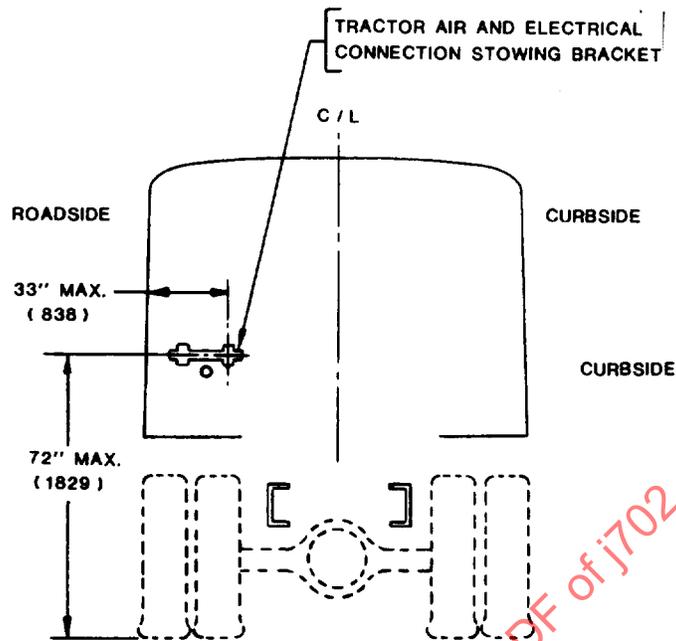


FIGURE 1—

4. *Truck-Trailer Brake and Electrical Connections*

- 4.1 **Brake Connections**—Trailer-mounted air hose couplings should be mounted on the front within the area shown in Fig. 2.
- 4.2 **Electrical Connection**—The trailer-mounted electrical connector receptacle should be mounted between the air connectors. The electrical connector should meet the provisions contained in SAE J560.
- 4.3 **Brake and Electrical Connections at the Rear of a Truck-Trailer**—When truck trailers are being equipped as "lead" trailers to pull a full trailer, refer to accessory locations contained in SAE J849.

5. *Relative Location of Air Lines*

- 5.1 **Control (Service) Line**—Curbside in relation to other line.
- 5.2 **Supply (Emergency) Line**—Roadside in relation to other line. It is suggested that the same relative location of air lines and air line fittings be carried throughout the entire vehicle combination; that is, tractor, nose of semitrailer, rear of semitrailer, and nose of full trailer.

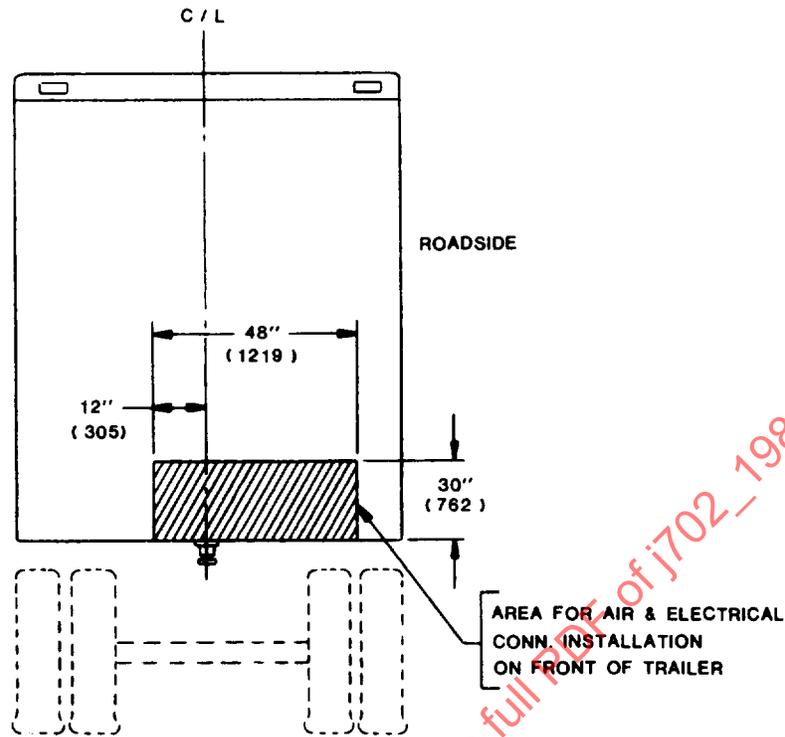


FIGURE 2—

6. Notes

- 6.1 **Marginal Indicia**—The change bar (I) located in the left margin is for the convenience of the user in locating areas where technical revisions have been made to the previous issue of the report. An (R) symbol to the left of the document title indicates a complete revision of the report.

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