

FIX-N-FAX #11

CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION

Number 11

Equipment Standard

Mandatory Compliance

Date: December 1959

Revised: December 1985

All Trailer Light Connections - Tilt Bed Trailers

For some time, we have been specifying that trailer light connections are to be ATA 7 prong, wired as recommended by American Trucking Association Standards. Following is information as to wire color code and method of wiring the 7 prong.

<u>Conductor No.</u>	<u>Wire Color</u>	<u>Lamp and Signal Circuits</u>
1	White	Ground return to towing vehicle
2	Black	I.C.C. required marker and clearance lights
3	Yellow	Left hand directional signal
4	Red	Stop lamp
5	Green	Right hand directional signal
6	Brown	Tail lamp, three-bar marker lamps, and clearance or marker lamps other than I.C.C. required
7	Blue	Auxiliary circuits

TRAILER BRAKES

Under no condition should the hydraulic brake system of the towing vehicle be connected to the hydraulic system of the towed vehicle, such as a Stromberg hydraulic trailer brake or some similar towing brake.

Any trailer equipped with lights shall be wired according to the following ATA and SAE standard. When a trailer is equipped with electric brakes, auxiliary circuit #7 shall be used for the brake control circuit.

TRAILER HITCHES AND COUPLINGS

All trailer hitches and couplings that are installed on towing vehicles and trailers shall comply with Society of Automotive Engineering (SAE) specification J 684 b. Standard hitches will be Class 3 or Class 4. The following rules also apply:

- Minimum equipment for vehicles used to tow trailers with a Gross Vehicle Weight (GVW) up to 5,000 lbs. Shall be an SAE Class 3 hitch (2" ball on a 1" shank).
- Minimum equipment for vehicles used to tow trailers with a GVW over 5,000 lbs. shall be either (a) an SAE Class 4 hitch (2-5/16" ball on a 1-1/4" shank), or (b) a pintle and eye hook type hitch provided and attached in accordance with SAE J 847 standards.
- All hitches shall be frame attached (no bumper hitches permitted). "Barden" or similar type bumpers shall be attached to the frame and installed or be attached to and/or reinforced to constitute a suitable Class 3 hitch.
- Vehicle used to tow trailers with tongue weights in excess of 200 lbs. shall be equipped with an approved load equalizer hitch.

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