

Some trailer 7-way connectors are not compatible with the industry standard Truck 7-way receptacle (Fig 1). The result can be intermittent or non-operational trailer lighting and trailer brakes and possible damage the vehicle trailer connector receptacle. Some of the trailer connector manufacturers do not meet SAE J2863 requirements. The terminal type, dimensional location of the terminals may be out of spec as well as the connector insertion force. A single flat blade trailer connector design (Fig2) is what the vehicle receptacle is designed for. Most of the industry single blade connectors work well. The flat style single blade terminals allow the spring function to work on the vehicle receptacle which meets SAE J2863 requirements. Dual contact connectors (Fig 3) may have issues properly mating to the receptacle even if they are dimensionally correct.

Using a trailer connector that meets the dimensional requirements and being sure the connector is fully inserted is important for a reliable connection. Pollak is the OEM manufacturer of the truck's 7-way connector receptacle. Using a mating trailer connector manufactured by the OEM's trailer receptacle manufacturer (Pollak), will help ensure the best fit, terminal alignment and connection when the trailer is connected to the vehicle.

Vehicle 7-Way Trailer Connector Receptacle



Figure 1

Vehicle 7-way Trailer Connector Compatibility

Example of proper fitting, single flat blade, compatible, trailer connector such as a Pollak 12-706.

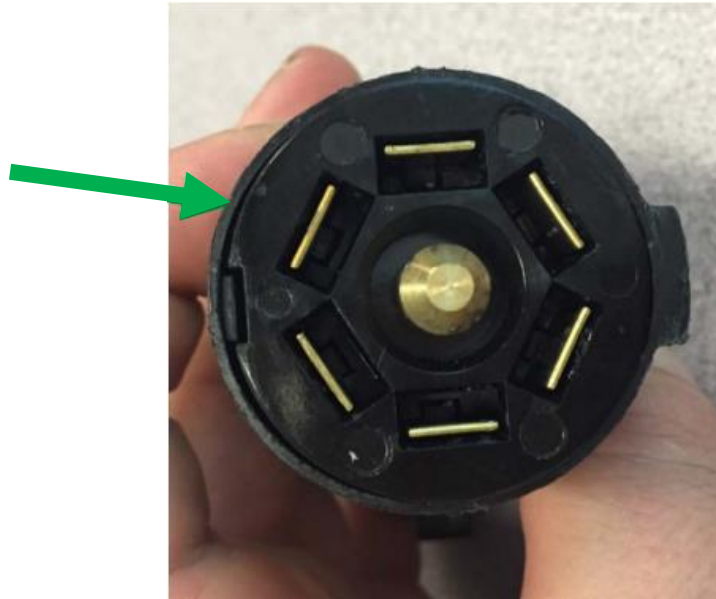


Figure 2

Example of improper fitting, dual contact, incompatible, molded trailer connector



Figure 3

Vehicle 7-way Trailer Connector Compatibility