

**TS TRAMEC  
SLOAN**



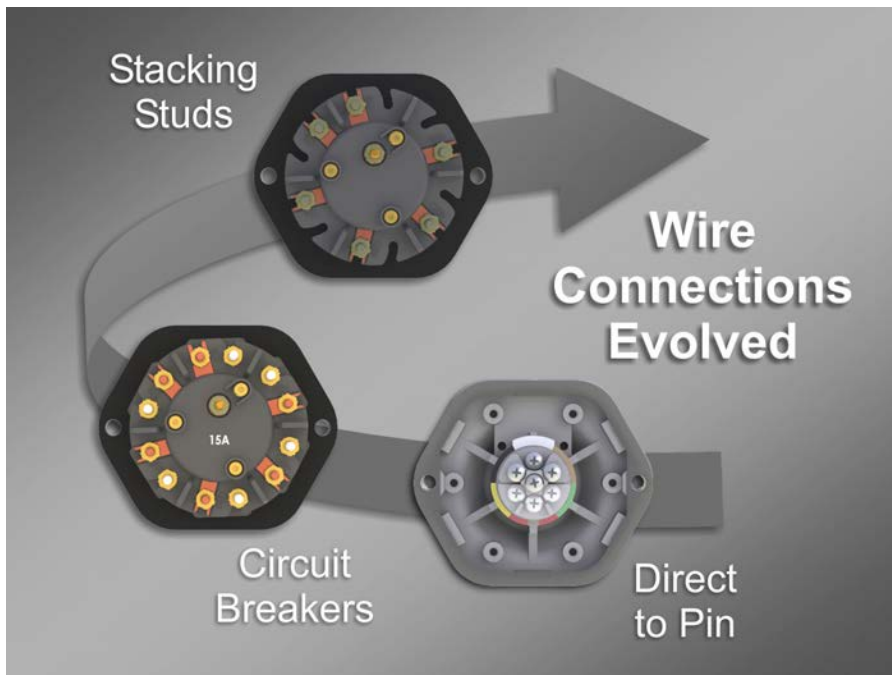
# SMART BOX

**Tramec Sloan** is pleased to announce the latest addition to our line of trailer electrical products.



Historically, the nose of the trailer carried a receptacle capable of receiving the plug at the end of the light cord coming from

the tractor. This receptacle evolved from the “four-way” to the “six-way”, and then to the “seven-way” in various forms ...



... and currently offers a variety of direct to pin, circuit breaker, and stacking stud options for wire connection. In all of these connectors, the wires are secured to the receptacle, and the

completed assembly is then installed on the nose of the trailer, sometimes by inserting the wires back through a hole ...



## Ever More Devices

Created Today's  
**"Spaghetti Ball"**  
of Wire

... or by packing the wires into an adapter box. With the advent of ABS, and a few additional lights, the mass of wire to be moved with the receptacle has become a **"Spaghetti Ball"**.

This creates installation problems for the OEM, and also demands significant labor to re-wire in the field. The mass

of wire increases the chances for incorrect wiring, shorts, or damaged wires and terminals.

With these problems in mind, we present a SMART new approach to wiring the trailer connector ...



Today's Solution:  
The  
**SMART BOX**

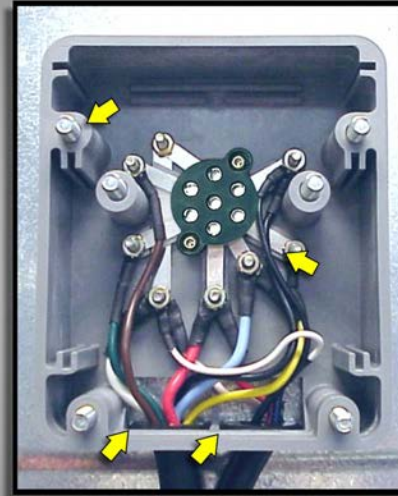
Today's solution is the **SMART BOX**.



## SMART BOX

Patented

- Standard Mounting Bolt Layout
- Two Cable Entry Grommets
- Wiring On Studs In The Box Remains Stationary



The patented **SMART BOX** has the same mounting bolt pattern as standard adapter boxes. Two cable entry grommets provide ample access. The wiring connections are completed as shown

in the open box. (This is the same number of wires that we saw in the "Spaghetti Ball".)

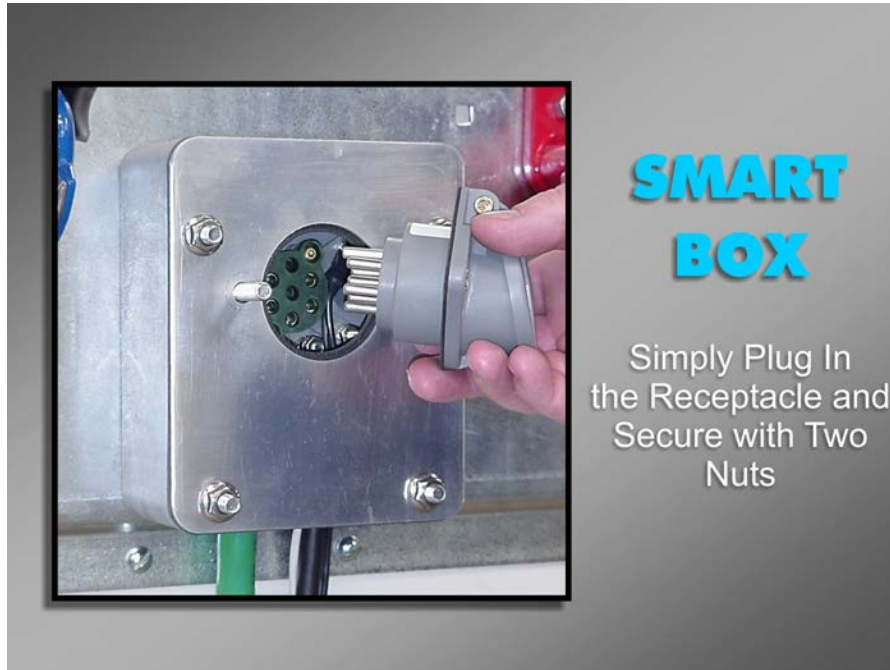
## SMART BOX

- Wiring Remains Undisturbed
- All Wiring is Enclosed
- Reinforced Nylon Housing
- Anodized Aluminum Cover

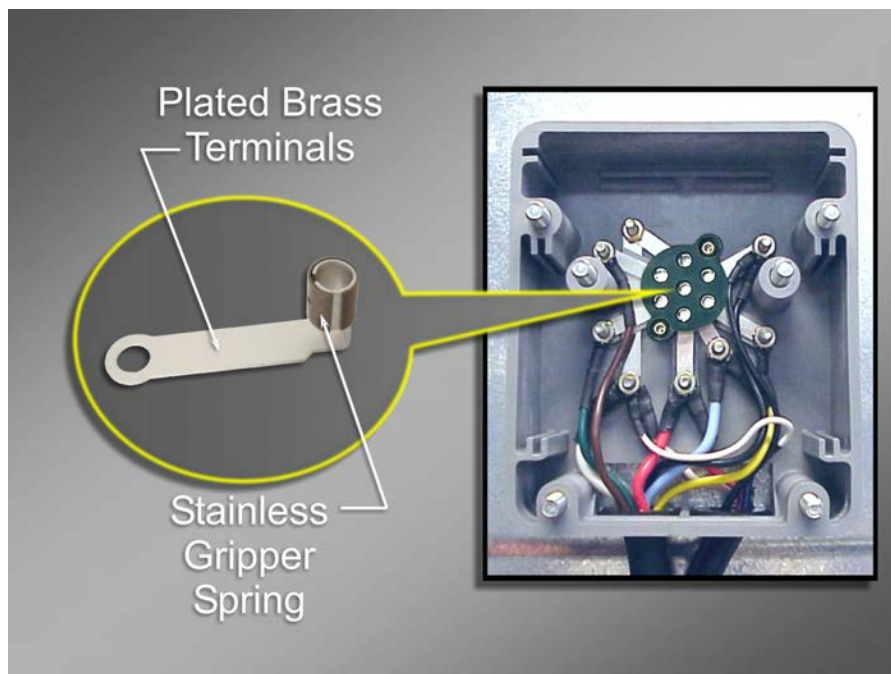


The connections remain fixed and undisturbed from this point on in the installation. An anodized aluminum cover and gasket

are placed onto the reinforced nylon housing, and secured with four nuts.



The newly designed J560 receptacle is installed by simply plugging it into the box, and securing it with two nuts.

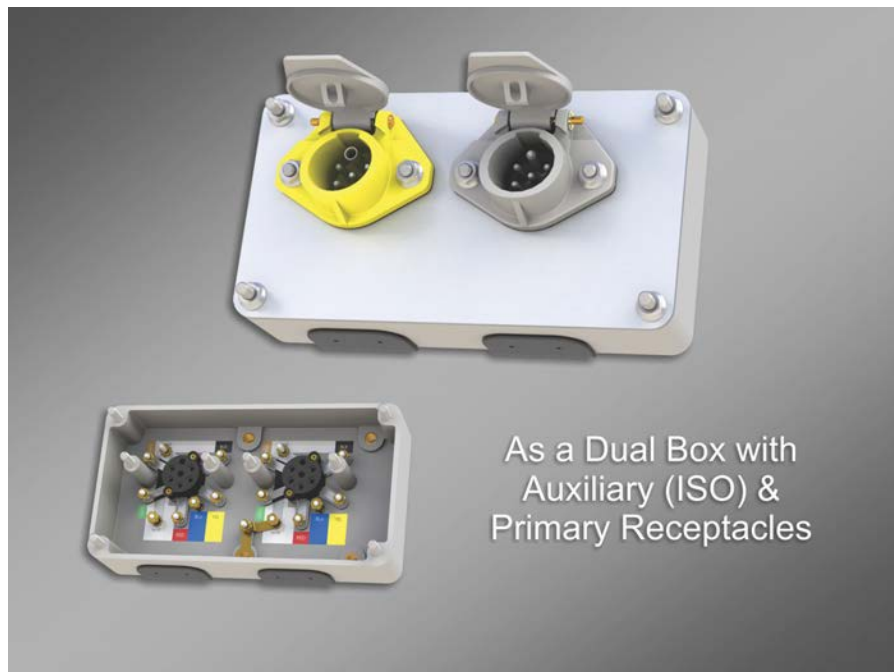


The quality of the electrical connections between the plug-in receptacle and the box is assured by the design of the receiver. Brass buss bars bridge from the harness terminations on the stacking studs to the receptacle pins.

Note the circular stainless steel springs surrounding the brass terminals to grip the receptacle pins. This feature assures minimum voltage drop, even after many replacements of the receptacle during the life of the trailer.

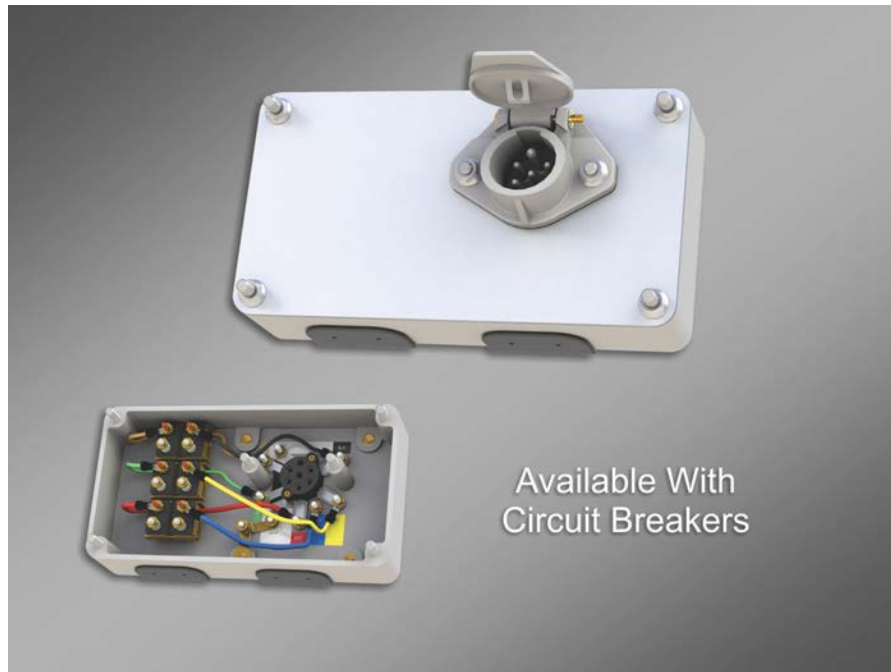


The **SMART BOX** is available in Primary (standard) and Auxiliary (ISO) versions.



... in a Dual Box Form with Primary and Auxiliary versions that have the same mounting bolt requirements and pattern as conventional boxes ...

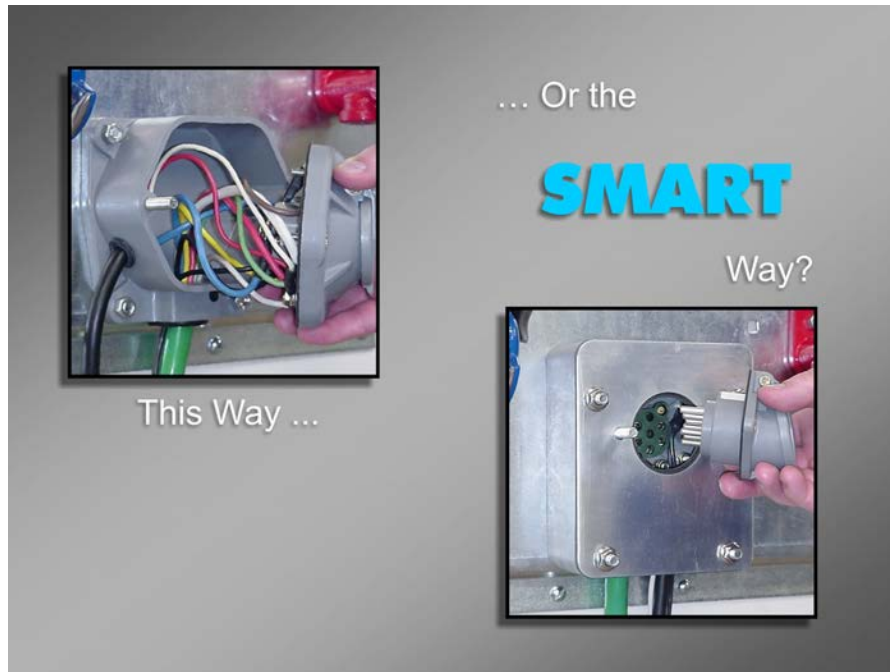




... with 15, 20 or 30 amp Type I circuit breakers ...



... or in a Jumbo Box Form for use as a junction box for the installation of optional equipment.



The fleet user gains a receptacle that can be replaced without disturbing the trailer wiring, with minimal labor, and with less chance for error.

Because a fleet that replaces a receptacle today must

reconnect each wire lead ( in effect rewiring the front of the trailer ), switching to the **SMART BOX** at the time of maintenance will minimize future replacement costs. This makes the **SMART BOX** an attractive service option.



The **SMART BOX**, an OEM and Fleet Friendly product from **Tramec Sloan**.