















# BYLER RIVET SUPPLY

**SEAL YOUR CONNECTIONS. MAKE PERMANENT REPAIRS!** 



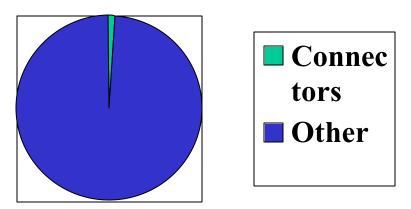




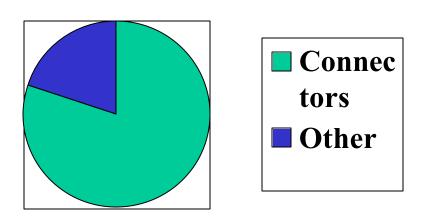


Less than 1% of an electrical system's cost is in electrical connectors, yet 80% of failures occur at the point of termination'

#### **Electrical System Cost**



#### **Electrical System Failures**



<sup>1</sup> Tully-Peterson, Dorothy. "Wire connectors come in countless types. Electrical Business, July 2001.

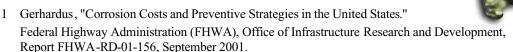




# Corrosion

Corrosion damage in the transportation industry is estimated at over \$23,000,000,000.00 dollars.











# A small initial investment in sealed electrical connectors will pay big dividends in future savings:

#### SMALL INVESTMENT



#### **BIG SAVINGS -**





- LESS EQUIPMENT DOWNTIME
- LOWER MAINTENANCE COSTS
- AVOID UNSATISFIED CUSTOMERS







#### How STRONG are your electrical connections?

#### **PULL TEST ANALYSIS**

	Vinyl	Nylon	Sealed Crimp	Sealed Solder	Sealed Crimp and Solder
Tensile Strength*	57 lbs	70 lbs	89 lbs	102 lbs	103 lbs
Tensile Strength (+/-) over Vinyl	-	22%	56%	78%	80%
Tensile Strength (+/-) over Nylon	-18.57%	-	27%	45%	47%
Tensile Strength (+/-) over Sealed Crimp	-35.96%	-21%	-	14%	15%

All terminals were installed on SAE 14 AWG SXL copper stranded wire. All terminals were installed using the T-R-15 multi-purpose crimping tool.

\*The pull test data was based on the average of the sample size.

# DO IT ONCE. DO IT RIGHT!



## 3 Optimal Solutions for your Electrical Problems.



#### THERE ARE MANY WAYS TO JOIN A WIRE







## 3 Optimal Solutions for your Electrical Problems.



#### YOU HAVE A CHOICE!

The Sealed Electrical System has a solution for EVERY installers preference.

Sealed Crimp & Solder Connectors



**Sealed Solder Connectors** 



**Sealed Crimp Connectors** 





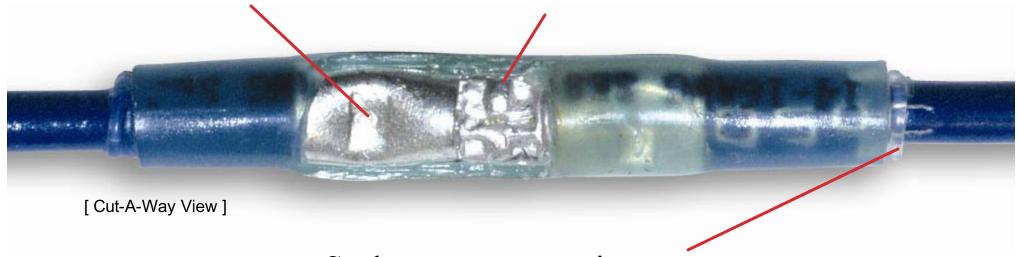
# Sealed Crimp & Solder Connectors



#### THE ULTIMATE CONNECTION!

Crimp provides maximum reliability

Solder adds strength and conductivity



Seal prevents corrosion and pull-out

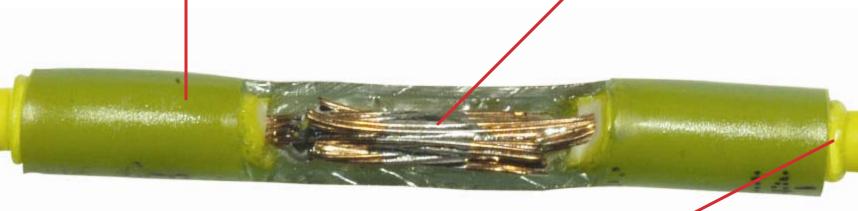


# Sealed Solder Connectors



Heat shrink tubing adds strain relief to prevent wire pull-out

Solder adds strength and conductivity



[ Cut-A-Way View ]

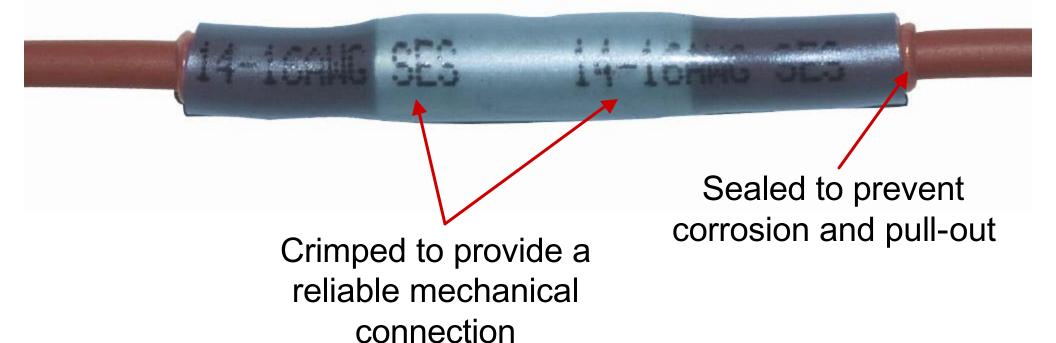
Seal prevents corrosion and pull-out



# Sealed Crimp Connectors



The most popular and economical style of heat shrink terminal





# SOLUTIONS FOR RECURRING ELECTRICAL PROBLEMS...



# Sealed Solder Connectors



#### SOLUTIONS FOR RECURRING ELECTRICAL PROBLEMS

#### PROBLEMS:

Corrosion on wire causes voltage drop.



Cannot see if terminal is properly installed.



Standard terminal bare part



#### **SOLUTIONS:**

Adhesive-lined tubing prevents corrosion on the wire.



Translucent tubing allows visual inspection of installation.

Solder termination provides maximum tensile strength & conductivity

Greater material thickness of terminal bare part -



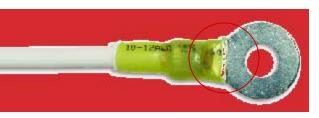
- 1/3 more copper
- · Less chance to break from flexing

BYLER RIVET SUPPLY www.bylerrivet.com

# Sealed Crimp Connectors



#### **OUR'S**



Our Uniform Adhesive Flow Adhesive will not impede contact of terminal





Our Wire Gauge Imprint Easy identification

#### COMPETITION



THEIR Runny Adhesive Flow Adhesive can impede contact of terminal



FHEIR Tubing Shrinks in Length Less insulation support Less strain relief



THEIR No Wire Gauge Imprint Easy identification



# **Installation Tools**



#### Self-Igniting Micro Blaster Torch

- Butane powered micro torch
- · Includes a refillable gas lighter
- Produces flame temperatures up to 2400°F
- · Hundreds of uses ranging from heat shrinking to soldering
- A must for every tool kit
- · Self-igniting mechanism with a "lock-on" feature



#### Self-igniting Super Blaster Torch

- · Plastic canister torch
- Self-Igniting, Piezo Electronic Ignition System
- 2500°F/1300°C
- 120 minutes of continuous use
- Refillable
- · Windproof flame
- Hand held or table top



# Sealed Electrical Connectors



# DO IT ONGE. DO IT BIGHT

