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Tech Tip #45

Tech Tip for Axles that will be welded after AERIS prep

In some cases spring saddles and or brake brackets must be welded onto a trailer axle that has already been prepared for an Aeris tire inflation system. In order to prevent heat related damage to the nylon air tubing inside the axle tube, the air tubing must be covered with an insulating sleeve. Stemco provides an insulating sleeve for the air tubing, PN 831-0110, for this purpose. Note that the sleeve is provided in 36" lengths which must be cut into two 18" lengths, one for each end of the axle.

To install the Tube Protection Sleeve:

1. Cut the 36" length of tubing into two, 18" lengths
2. Conduct a visual check inside the end of the axle to verify that there is not any type of protective sheathing already on the air tubing inside the axle. If there is, just pull out the sheathing and discard.
3. Verify that there is a vinyl cap is on the end of the ¼" nylon air tubing in the axle. If not, cover the end of the tubing with a small piece of tape.
4. Slide the insulating sleeve over the ¼" nylon air tubing.
5. Push the insulating sleeve into the axle to a depth such that the midpoint of the insulating sleeve is centered in the area where the welding will occur. This positioning will ensure that the tubing will be protected on both sides of the welding area.

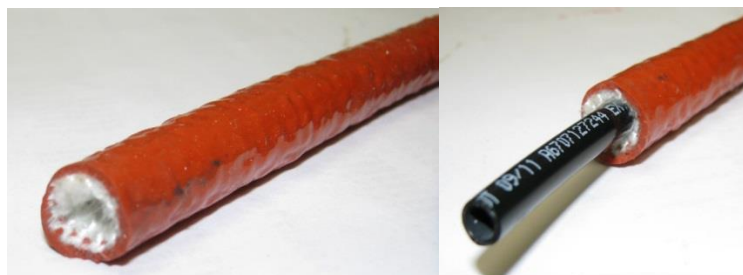


Figure 1: Insulating Sleeve, Red Silicon Jacket

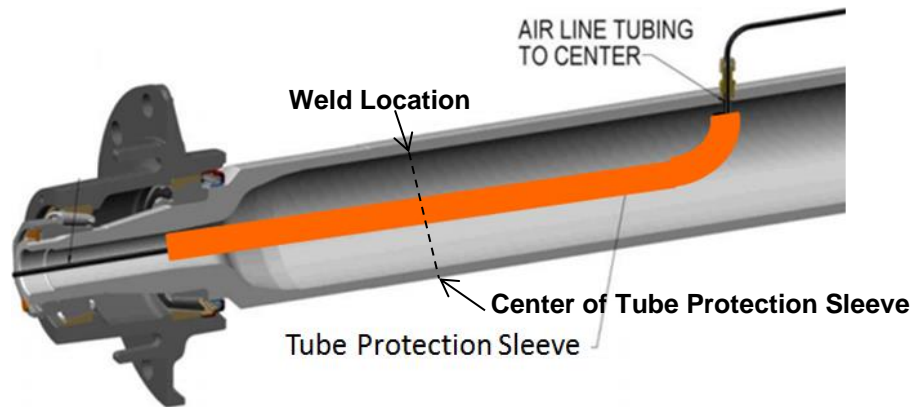


Figure 2: Insulating Sleeve, installed in axle

Stemco offers two Aeris tire inflation system Axle Prep Kit part numbers that include the insulating sleeves as well as the other components needed to prepare an axle for the Aeris tire inflation system:

B00-003W: N Spindle Axle Weld Prep Kit

B00-006W: P Spindle Axle Weld Prep Kit

Please contact Your STEMCO sale representative with questions or concerns.