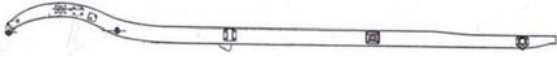


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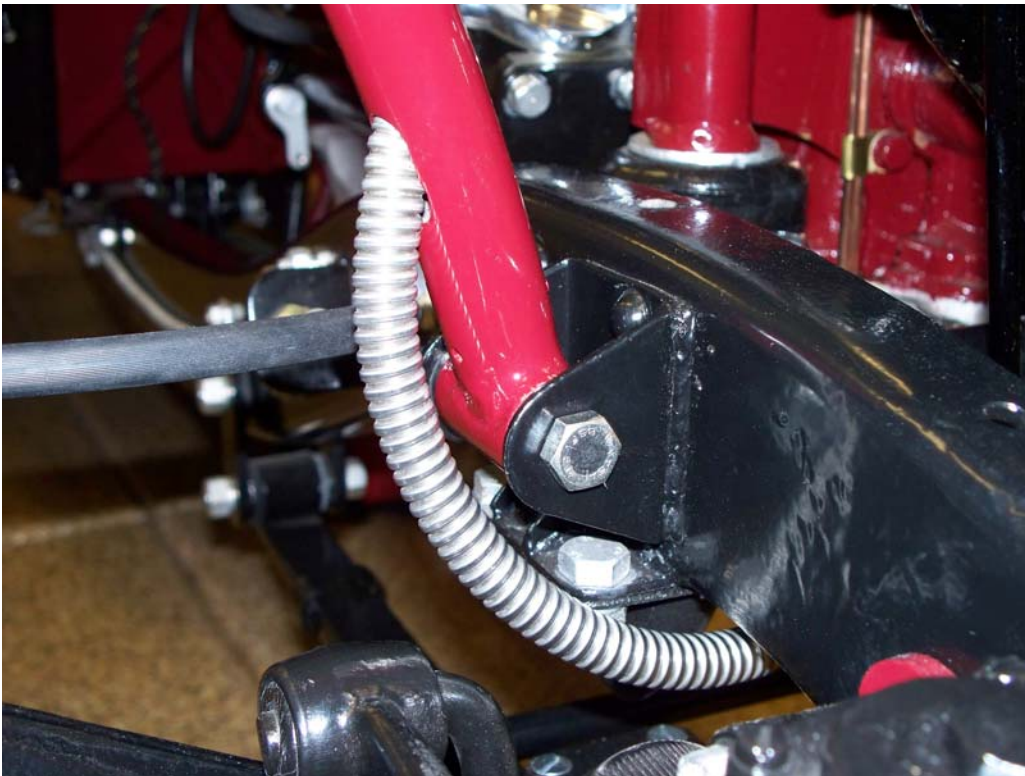
## **Tech Tips:**

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### **EL994 – HEADLAMP WIRE HARNESS CONDUITS: Frame to Fender Support**

The conduits for the wiring harness going from the frame to fender have long been a problem reproducing. This is because the original front conduits were provided in conjunction with the harness itself and were installed on the harness as the harness was made. Years later, we are now trying to replace the harness and the conduits separately. This poses the question of how to get the conduit on the harness particularly for those cars that are upgrading to turn signals (or TC EXU) which has an additional wire for the sidelights. This conduit set is as close as you can get to the original conduits. The importance is that it can be installed after the harness has been manufactured. While the original conduits and caps were both galvanized or cad plated these replacement conduits are stainless with nickel plated end caps.

When the conduits are installed properly, the top cap is actually inside the fender support. You will notice that the opening in the support has a peanut shaped hole. Once the wires are thread through the conduit, pull the wires and conduit inside the lower end of the “peanut hole” and tap it up into the narrower portion to wedge and secure the conduit to the support bracket. The upper cap will now be inside the support.

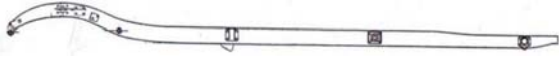


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## **Tech Tips:**

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Please be aware that there is a slight difference that you will find with these replacement conduits from the originals. The outer diameter is slightly larger. This is to be able to slide the conduit onto the modern remanufactured harnesses. However, the fact that the conduit is slightly oversized requires an adjustment in fitting conduit into the hole on the wing support tube. You have the following choices to solve this problem.

- Pinch the cap and conduit so it will fit into the tube slot. Realize that the original conduit was also pinched slightly to do the same.
- Open up the hole in the support tube to accept a larger conduit. Use a dremmel grinding tool.
- Remove the new end cap that goes into the support tube. Then file any burrs remaining inside the conduit and squeeze some silicone sealant inside the end of the conduit to provide a cushion to vibration and wear. (Once installed, you never see the cap inside the tube so this option is not noticeable.)
- Combination of all of the above.

The final installation has the conduit running directly below the bottom of the support tube to the main wire harness. Any feedback from the field will be welcome to assist other customers.