

Electrical Wiring Inspection Observations - EWIS

The following was observed on a single aircraft during a general inspection to review EWIS integrity.



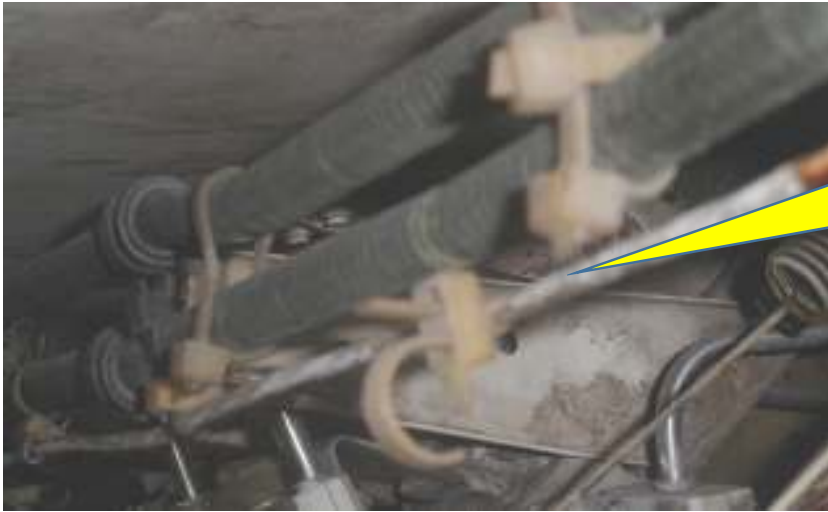
Captains oxygen pipe is in direct contact with wiring in several places !



Loom not supported use of tie wraps within the loom can cause chafing and should be around the entire loom



P Clip Migration all P Clips should be of the correct size and firmly attached e entire loom



Tie Wraps can age harden fatigue and fail – pay particular attention during Inspection



Any point of contact can allow wiring to chafe – so pay close attention during your inspection

Remember Human factors and effective inspection – take frequent breaks during the inspection –focus 100% on what you see. Share what you find with colleagues – raising the standard.



It is most important to ensure that all clips secure the cables effectively otherwise chafing can occur

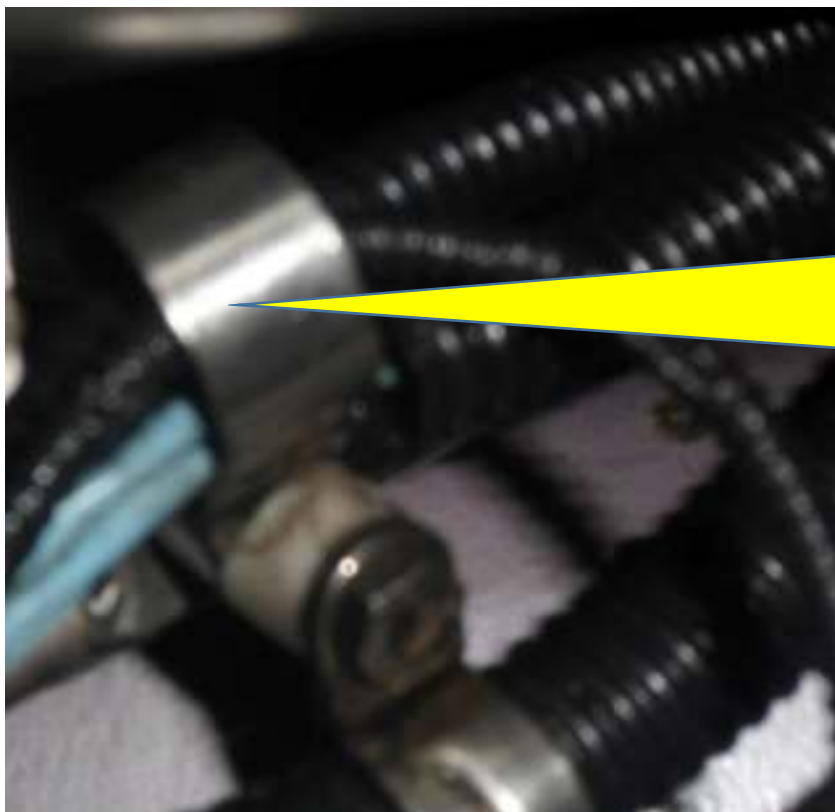
The braided sleeve ensures the protection of the conduit if it is damaged it should be replaced



No pressure should exist between electrical p clips and fittings – fixtures, pipes or tubing



The integrity of sleeving designed to prevent the ingress of fluids and moisture into connectors must



P Clips must be correct IAW IPC or other approved data and must afford appropriate support and protection, oversize P Clips pose a threat



Be concerned when you see contact or potential contact



It may be concealing a problem (Engine De-icing sense line)