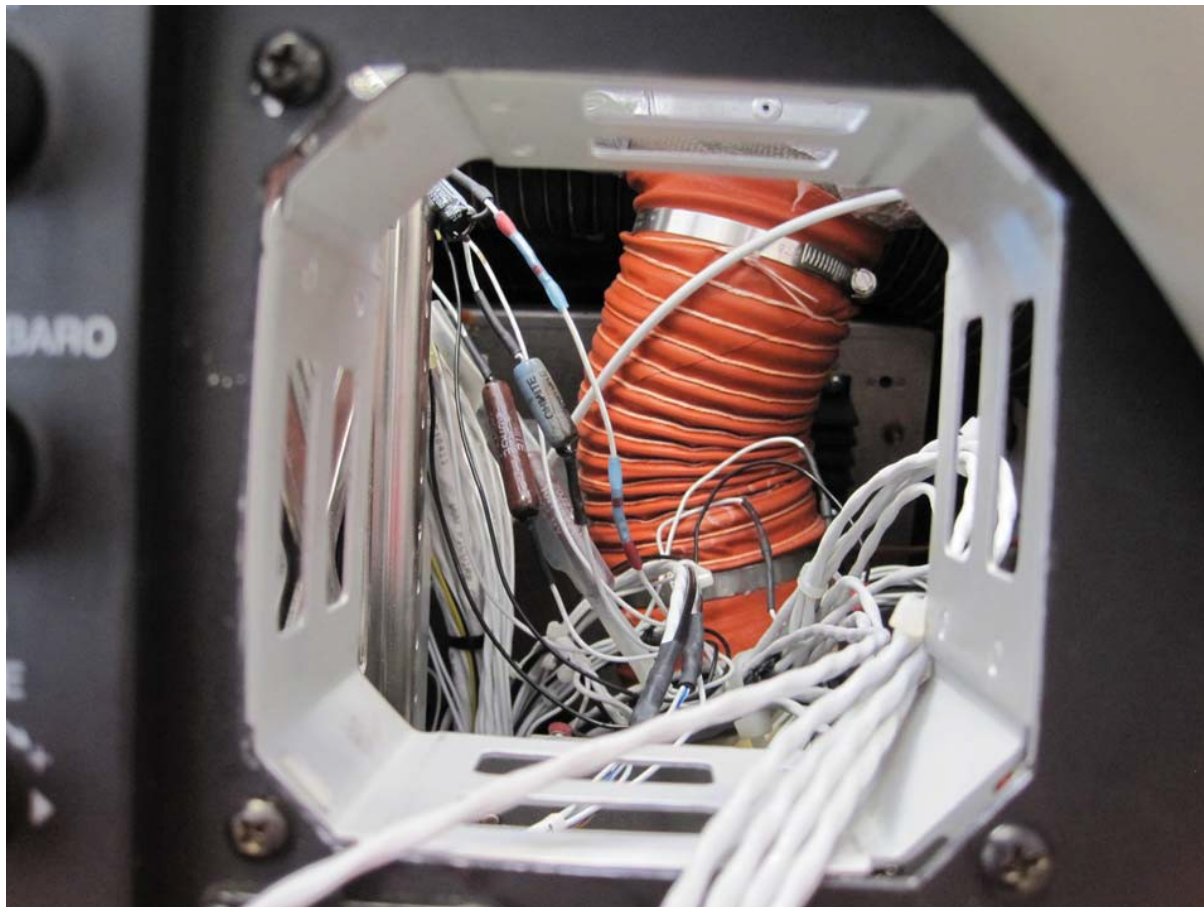


Cessna: 550; Burned Wires Behind Multi-Display, ATA 3497

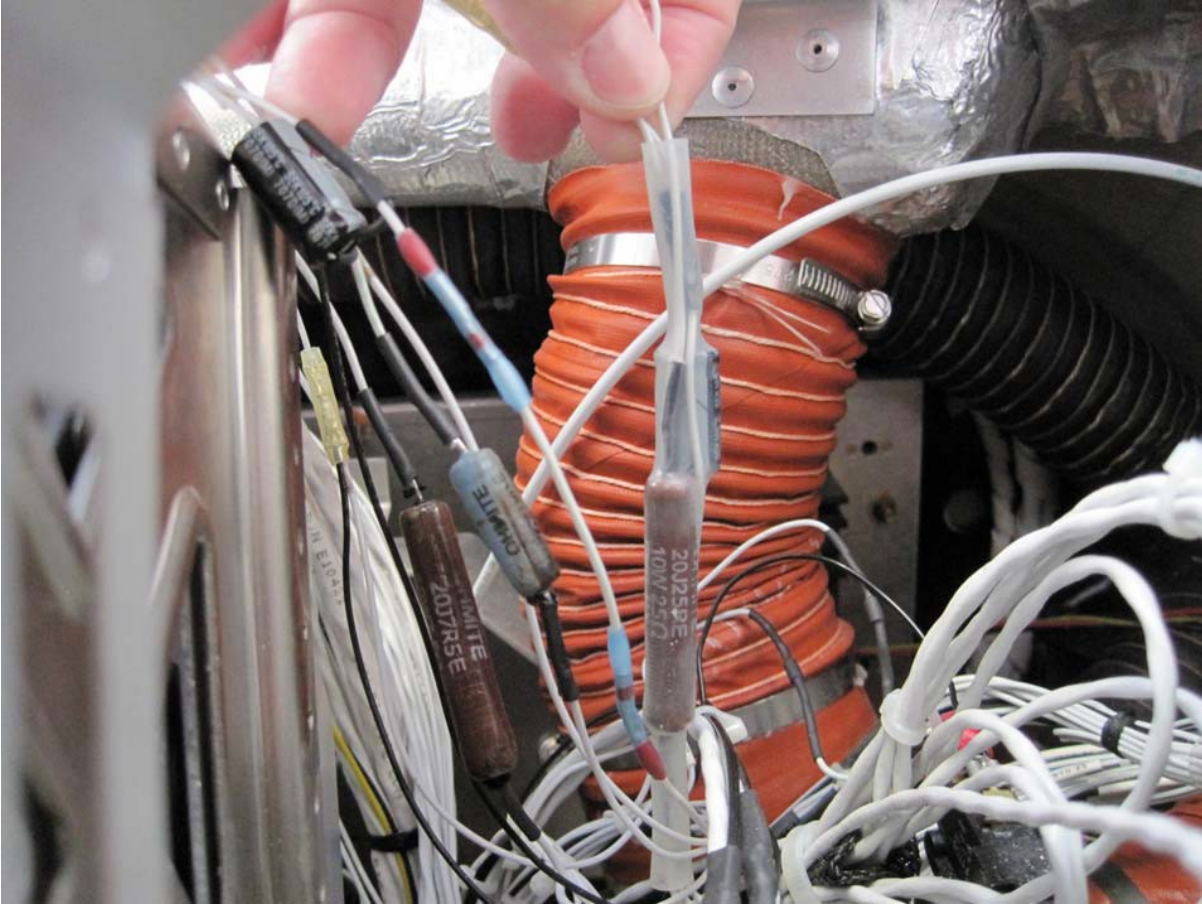
"(I) investigated a problem of smoke in the cockpit," states this repair station technician. "Smoke appeared to be coming out of the anti-fog vents. After further investigation, some wiring behind the copilot's MFD (*multi-function display*) were found to be shorted. In this mechanic's opinion, the wiring to the K10 relay chafed inside the heat shrink, causing a short to ground. This area contains two resistors (1 each 7.5 OHM 10 watt; 1 each 10 OHM 5 watt) and a ground wire (*all in the same shrink package*). The round (*solid-core*) wire was visibly burned. I repaired the damage wiring—replacing both resistors and both relays, then heat-shrinking the resistors individually. I inspected the associated wiring in both circuits and found (*these*) to be okay. During operational checks, the regulator valve was found to be faulty, although it checked 'good' with a multi-meter prior to this (*functional*) test."



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Part Total Time: 400.00 Hours