

Cessna 177 Series Aeroplanes

AD/CESSNA 177/25

Cigar Lighter Wiring

6/79

Applicability: Models 177 and 177RG with S/Nos. 1770001 to 17702314 and 177RG0001 to 177RG0788.

Requirement: Disconnect the wire, at the ammeter or at the electrical system bus as applicable, that connects the bus to the cigar lighter receptacle. (The wire is connected to either the bus side or equipment side of a circuit breaker or to the ammeter). Following the disconnection of this wire either:

1. Reconnect the wire to the electrical bus by using an existing or newly installed circuit protection device that is properly rated to protect the wire gauge used for this circuit; or
2. Disconnect the wire from the lighter receptacle at the opposite end and remove it from the airplane; or
3. Protect the wire by insulating its disconnected end, fold this wire end back against the wire bundle in which it is routed and secure it to that bundle.

Note 1: For those installations reconnected in accordance with paragraph 1 the proper rated circuit protection device to be used may be determined by consulting ANO 108.32 Appendix Table 6.

Note 2: An inline fuse is an acceptable means of compliance.

Note 3: FAA AD 79-08-03 Refers.

Compliance: Within 100 hours time in service after 30 June 1979.

Background: Incidents of wiring shorting and fires in the wiring bundles have occurred overseas. Circuit protection is required to prevent further incidents.