

ABSTRAK

Auxiliary Power Unit (APU) *Fire Extinguishing System* merupakan salah satu dari *Emergency system* di pesawat yang berfungsi untuk memadamkan api jika terjadi kebakaran pada APU. *Fire bottle* APU terletak di *horizontal stabilizer accessory compartment*. Terdapat beberapa item yang harus diperhatikan pada saat melakukan *Maintenance* pada sistem ini. Salah satu dari item tersebut yaitu *Pressurize* yang terdapat di dalam *fire bottle* harus sesuai dengan ketentuan. Hal ini dapat terindikasi dari lampu APU BOTTLE DISCHARGED menyala pada *engine/APU fire control panel*.

Cara mengatasi ketika lampu APU BOTTLE DISCHARGED menyala pada pesawat Boeing 737-800 NG terdapat pada *Fault Isolation Manual* yaitu dengan cara melakukan *Visual inspection*, *Wiring problem check*, dan *Pressure Fire bottle check*.

Setelah dilakukan *Visual inspection*, *Wiring problem check*, dan *Fire bottle check* ditemukan *pressure fire bottle* dibawah ketentuan dan diharuskan melakukan *Fire bottle replacement*. Setelah dilakukan dan *Fire bottle replacement*, Lampu APU BOTTLE DISCHARGED mati. Hal ini menandakan bahwa komponen tersebut sudah *serviceable* dan dapat digunakan pada saat dibutuhkan (Kondisi *emergency*).

Kata Kunci : APU, *Fire Extinguishing system*, *Fire Bottle*

ABSTRACT

Auxiliary Power Unit (APU) Fire Extinguishing System is the one of Emergency system in the aircraft that purposed to extinguish fire if there is an fire on the APU compartment. APU Fire bottle located on horizontal stabilizer accessory compartment. There are several items that should be considered when performing Maintenance on this system. One of those items being are the pressurize that are located within the fire bottle that has a certain limit. This occurrent could be indicated from the APU BOTTLE DISCHARGED lamp that turns on from the engine / APU fire control panel

The solution to fix the situation when the APU BOTTLE DISCHARGED lamp turns on on the Boeing 737-800 NG is located within the fault isolation manual that is by doing visual inspection, wiring problem check, and pressure fire bottle check.

After the visual inspection, wiring problem check, and Fire bottle check will find pressure fire bottle under a certain circumtances there after a fire bottle replacement must be done. Once its done, the APU BOTTLE DISCHARGED lamp would turn off. This would indicate that the component is serviceable but could still be used when need (emergency reasons).

Keywords : *APU, Fire Extinguishing system, Fire Bottle*