

ABSTRAK

Angle of attack (AOA) sensor merupakan salah satu bagian penting dari pesawat udara yang memiliki fungsi untuk mengetahui pesawat mengalami *stall*. *AOA sensor* termasuk dalam kategori *Air Data Inertial Reference System (ADIRS)*. *Indicator* pada *AOA* ditampilkan pada *instrument Primary Flight Display (PFD)*. *angle of attack (AOA) sensor* termaksud dalam kategori perawatan *condition monitoring*. *Angle Of Attack (AOA) sensor* memiliki beberapa permasalahan yang ditampilkan pada *ADIRS displays* khususnya pada pesawat Boeing 737-800 *Next Generation*.

Pada saat *operational test BITE procedure* ditampilkan pada *ADIRS displays* salah satu permasalahan nya adalah *AOA Signal Fail*. Pada *AOA signal fail* cara menyelesaikannya dengan melakukan *wiring check*, ganti *AOA sensor*. Setelah *troubleshooting*, permasalahan terdapat pada *angle of attack (AOA) sensor*. Sesuai dengan *Fault Isolation Manual AMM Boeing 737-800 NG* harus dilakukan penggantian *angle of attack (AOA) sensor*.

Setelah penggantian *angle of attack (AOA) sensor*, lakukan *operasional test* ulang. Hasil dari *operasional test* tersebut adalah *angle of attack (AOA) sensor* telah kembali *serviceable* dan dapat dioperasikan kembali.

Kata kunci : *Angle of attack (AOA) sensor, Operasional test, ADIRS*

ABSTRACT

Angle of attack (AOA) sensor is one of the important parts of an aircraft that has a function as an find out aircraft has stalled. Angle Of Attack (AOA) sensor is in the category of Air Data Inertial Reference System (ADIRS). AOA indicator are displayed on the Primary Flight Display (PFD) instrument. Maintenance from the angle of attack (AOA) sensor are include in the condition monitoring. Angle Of Attack (AOA) sensor has several problems that are displayed on ADIRS displays, especially on Boeing 737-800 Next Generation aircraft.

During the operational test BITE procedure displayed on ADIRS displays, one of the problems was AOA Signal Fail. In problem of AOA signal fail, how to solve it with a wiring check, replace the AOA sensor. After troubleshooting, the problem lies in the angle of attack (AOA) sensor. In accordance with the AMM Boeing 737-800 NG Fault Isolation Manual a sensor angle of attack (AOA) component must be replaced.

After replacing the angle of attack (AOA) sensor, perform to retest operation. The results of the operational test are that the component has been serviceable and can be operational again.

Keyword : Angle of attack (AOA) sensor, Operasional test, ADIRS