## LOW AIRSPEED AWARENESS SYSTEM - TROUBLESHOOTING TKS Anti-Ice

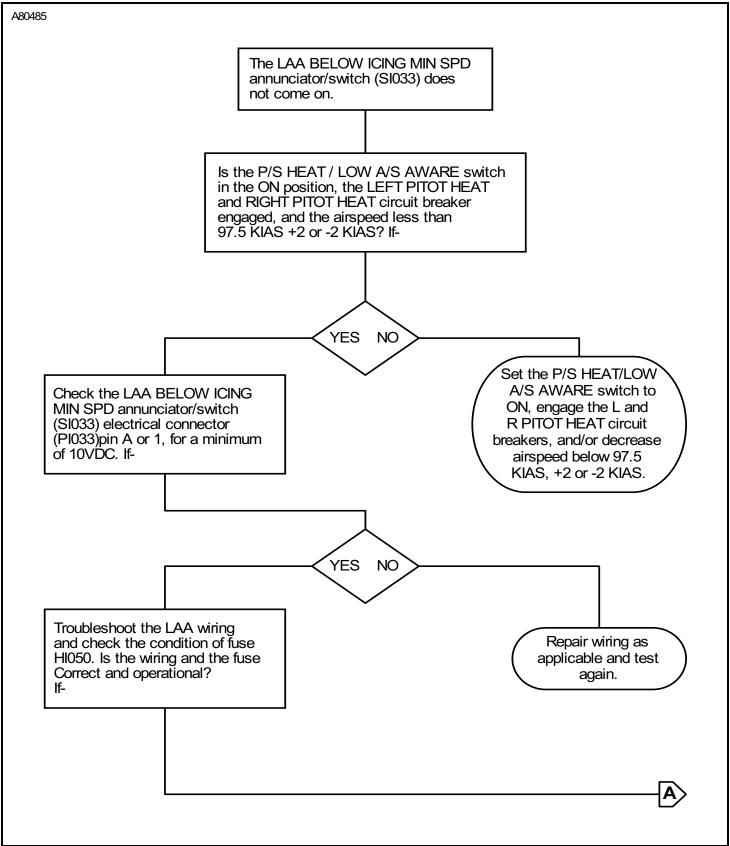
## 1. General

A. A troubleshooting chart has been provided to aid the maintenance technician in system troubleshooting. Refer to Figure 101.

A80484 Stall warning horn does not operate when the MIN SPD annunciator/switch is on and the control yoke is not full forward. WARNING: Vane can be hot. Manually close the vane on the left wing. Does the horn operate? If-YES NO Troubleshoot LAA wiring Troubleshoot stall and check the condition of fuse (HI050). Is wiring warning and pitot tube wiring. Is wiring good? Ifand fuse good? If-YES YES NO NO Repair wiring Replace the LAA Replace the LAA or replace the Repair wiring logic module (Ul027) logic module (Ul027) fuse as applicable and test again. and test again. and test again. and test again.

Figure 101: Sheet 1: Pitot-Static System Troubleshooting Chart

Figure 101 : Sheet 2 : Pitot-Static System Troubleshooting Chart



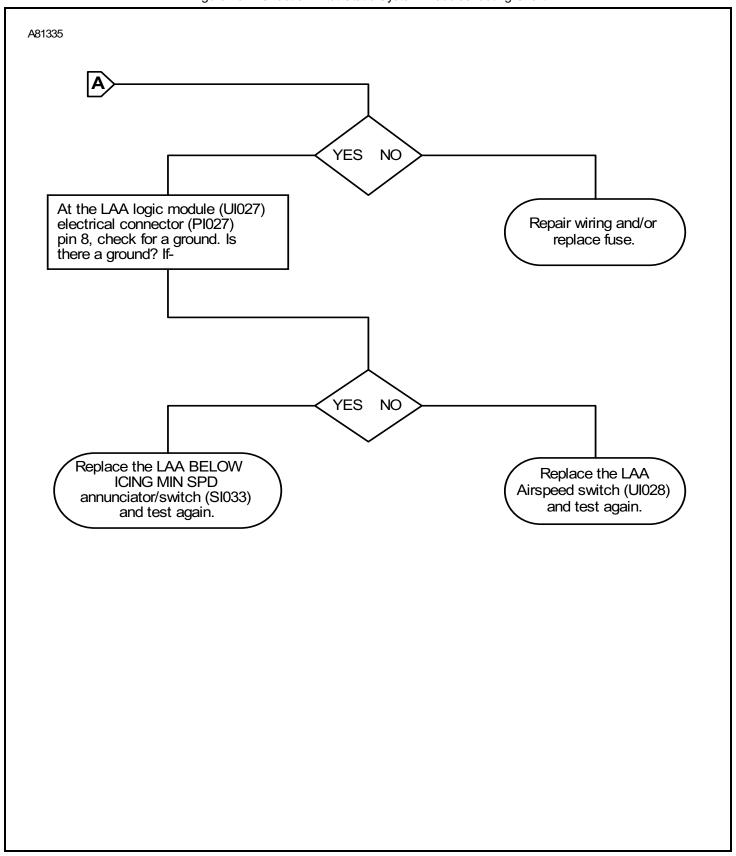


Figure 101: Sheet 3: Pitot-Static System Troubleshooting Chart

Figure 101: Sheet 4: Pitot-Static System Troubleshooting Chart

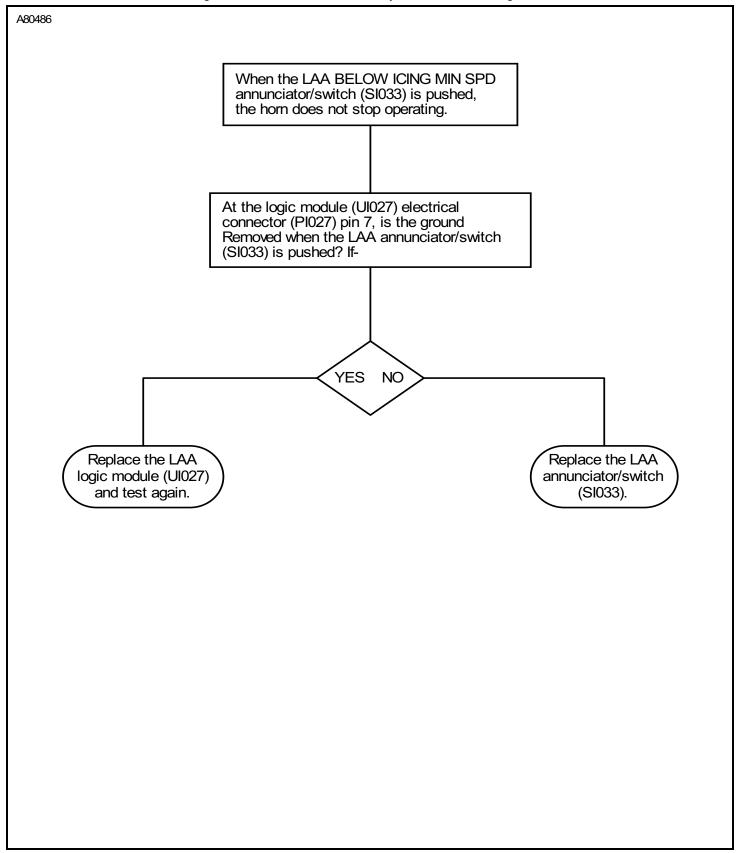
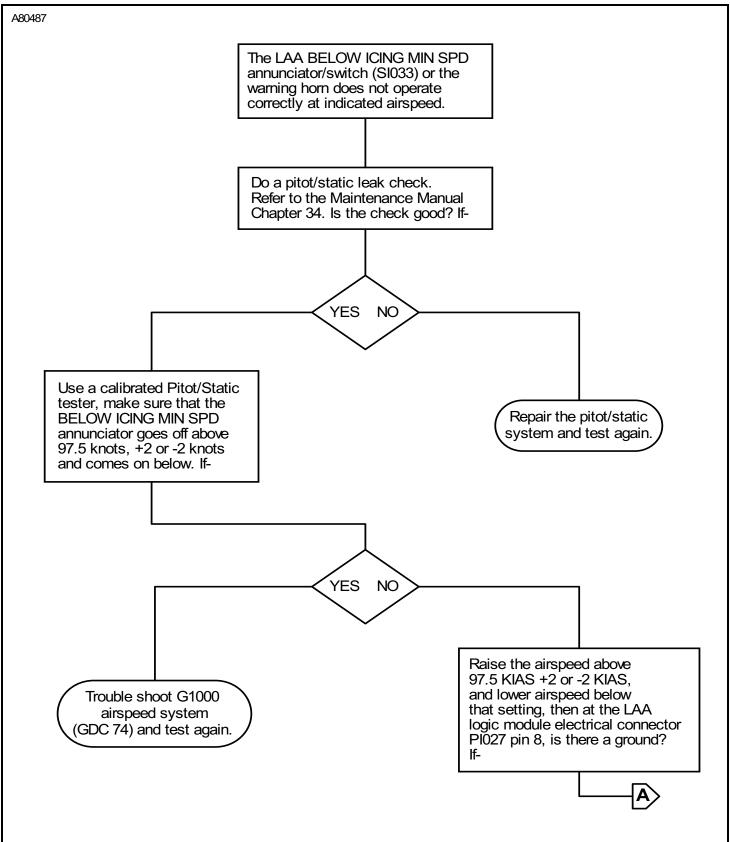


Figure 101 : Sheet 5 : Pitot-Static System Troubleshooting Chart



A81336 YES NO At the LAA annunciator/switch (SI033) electrical connector Replace the airspeed (Pl033) pin B and pin 2, when switch (Ul028) airspeed is set above 97.5 KIAS and test again. +2 or -2 KIAS, is there a ground? YES NO Replace the LAA Replace the LAA annunciator/switch logic module (Ul027) (SI033) and and test again. test again.

Figure 101: Sheet 6: Pitot-Static System Troubleshooting Chart

A80488 Pitot tube does not heat correctly. Troubleshoot LAA wiring and check the condition of diodes (DI002 and DI003) in the left switch panel. Are the wiring and diode serviceable? If-YES NO Troubleshoot the pitot/static Repair the heater wiring. Is the wiring LAA wiring and Correct and operational? Iftest again. NO YES Repair the Replace the applicable heater wiring and LEFT or RIGHT PITOT test again. HEAT circuit breaker.

Figure 101: Sheet 7: Pitot-Static System Troubleshooting Chart