NO: A116-53

STANDARD MANUFACTURING PROCEDURE : CONDITIONING FOR NONASBESTOS ORGANIC BRAKE LININGS

THE BRAKE LINING MATERIAL USED IN THE BRAKE ASSEMBLY IS A NONASBESTOS ORGANIC COMPOSITION. THIS MATERIAL MUST BE PROPERLY CONDITIONED IN ORDER TO PROVIDE MAXIMUM PERFORMANCE AND SERVICE LIFE.

CONDITIONING MAY BE ACCOMPLISHED AS FOLLOWS:

1. TAXI AIRCRAFT FOR 1500 FEET WITH ENGINE AT 1700 RPM APPLYING BRAKE PEDAL FORCE AS NEEDED TO DEVELOP A 5-10 MPH TAXI SPEED.

2. ALLOW BRAKES TO COOL FOR 10-15 MINUTES.

3. APPLY BRAKES AND CHECK TO SEE IF HIGH THROTTLE STATIC RUN UP MAY BE HELD WITH NORMAL PEDAL FORCE. IF SO, CONDITIONING IS COMPLETED.

4. IF STATIC RUN UP CANNOT BE HELD, REPEAT 1 THROUGH 3 AS NEEDED TO SUCCESSFULLY HOLD.

THIS CONDITIONING PROCEDURE WILL GENERATE SUFFICIENT HEAT TO CREATE A THIN LAYER OF GLAZED MATERIAL AT THE LINING FRICTION SURFACE. NORMAL BRAKE USAGE SHOULD GENERATE ENOUGH HEAT TO MAINTAIN THE GLAZE THROUGHOUT THE LIFE OF THE LINING.

LIGHT BRAKE USAGE CAN CAUSE THE GLAZE TO WEAR OFF, RESULTING IN REDUCED BRAKE PERFORMANCE. IN SUCH CASES, THE LINING MAY BE CONDITIONED AGAIN FOLLOWING THE ABOVE INSTRUCTIONS.

IF THE BRAKES ARE NOT WORKING PROPERLY, CHECK FOR AIR BUBBLES IN THE BRAKE LINES. CHECK FOR LEAKS AROUND THE BRAKE LINE FITTINGS ETC..

WORK DONE BY: _____ DATE: _____

INSPECTED BY: _____ DATE: _____