

No. 66-11

ENGINE BAFFLE REINFORCEMENTS ON MUSKETEER SUPER III

AIRCRAFT AFFECTED: BEECHCRAFT Musketeer Super III A23-24 serials prior to MA-45.

Field information indicates that engine baffle crack development may be minimized by adding a doubler, screw, and attach plug to the baffles at the right hand forward cylinder (see figures 1 and 2). The doubler is added as follows:

1. Remove the stud bolts attaching the baffle to the right hand forward cylinder.
2. Remove the small doubler, located above the cylinder, from the baffle by drilling out the three attaching rivets, taking care not to mutilate the existing rivet holes.
3. Attach a 169-910043-77 doubler to the baffle as shown in figure 1.

NOTE

Three AN426AD4-5 countersunk rivets must be used above the cylinder head and five AN-470AD4-5 rivets must be used forward of the cylinder.

4. Replace the stud bolts in the cylinder.

The attach plug and screw are added to secure the vertical portion of the engine forward baffle at the right

hand forward cylinder (see figure 2) as follows:

1. Using a hole finder, determine the position of the hole in the right hand forward cylinder located behind the doubler.
2. Drill a .194/.200 inch diameter hole in the baffle to match the hole in the cylinder.
3. Cut a minimum amount of material from the 169-910043-27 baffle to make room for the new screw.
4. Insert a 65614 attach plug through the hole in the cylinder bottom. Align the new baffle hole with the attach plug and insert an AN501-10-7 screw and AN936A10 washer.

The following parts are required for the modification:

PART NUMBER	DESCRIPTION	QUANTITY
65614	Attach plug	1
169-910043-77	Doubler	1
AN426AD4-5	Rivet	3
AN470AD4-5	Rivet	5
AN501-10-7	Screw	1
AN936A10	Washer	1

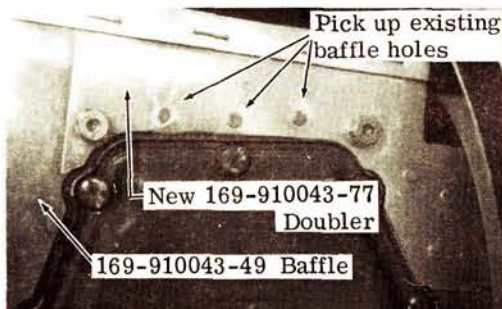


Figure 1



Figure 2
View through nose cowling

766

THE OPERATION, CARE AND MAINTENANCE OF AN AIRPLANE IS THE OWNER'S RESPONSIBILITY. AS CONDITIONS WARRANT, BEECH AIRCRAFT CORPORATION ISSUES SERVICE BULLETINS AND SERVICE LETTERS RECOMMENDING MODIFICATIONS AND OPERATIONAL PROCEDURES TO ENSURE THE OWNER TO GET THE MAXIMUM UTILITY AND SAFETY FROM HIS AIRPLANE.

THESE BULLETINS AND LETTERS ARE AVAILABLE TO BEECHCRAFT OWNERS THROUGH THEIR BEECHCRAFT DISTRIBUTOR OR DEALER. WHEN SERVICE BULLETINS AND LETTERS ARE ISSUED, A TEMPORARY RECORDING OF THE PUBLICATION SHOULD BE MADE ON THE APPROPRIATE FILE.