

GFA AIRWORTHINESS DIRECTIVE

- TYPE AFFECTED:** AMT 200 Super Ximango Serial Numbers 200.040, 200.045 to 200.070.
- SUBJECT:** Exhaust pipe movement.
- BACKGROUND:** A downwards movement of the exhaust pipes and the muffler caused by engine vibration is possible. As this displacement reduces the ventilation space between muffler and the inside of the lower engine cowling the lower engine cowling may be damaged.
- DOCUMENTATION:** Mandatory service bulletin of Aeromot No. A200-78-053 which herewith becomes part of this AD.
- ACTION REQUIRED:** Repositioning of the muffler and welding of the locking rivets according to the Service bulletin.
- WEIGHT AND BALANCE:** Not affected.
- COMPLIANCE:** The works have to be carried out and reported in the aircraft log book by an inspector rated for annual inspections on this aircraft before 30. September 1999.
- The requirements of this GFA Airworthiness Directive are mandatory. This Directive is issued pursuant to the Rules and Regulations of the Gliding Federation of Australia.

SIGNED:

T. Geiger

CHIEF TECHNICAL OFFICER AIRWORTHINESS

For and on behalf of:

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OF AUSTRALIA



SERVICE BULLETIN

Title: EXHAUST SYSTEM - MODIFICATION OF EXHAUST PIPE CLAMPS.

MANDATORY SERVICE BULLETIN

1. PLANNING INFORMATION:

1.1 Effectivity

Model:

AMT-200

Serial Number:

200.040, 200.045 to 200.070, 4 in 02

1.2 Reason

To prevent the possibility of a down movement of the exhaust pipes P/N 61632, 61633, 61634 and 61635 together with the muffler P/N 61624 caused by engine vibration. This movement reduces the ventilation space between muffler and inside of lower engine cowl and causes burning stains on lower engine cowl.

1.3 Description

This Service Bulletin describes the procedures to modify the four affected exhaust clamps P/ 61625/1.

1.4 Approval

CTA/IFI - Divisão de Homologação Aeronáutica

1.5 Manpower Required

Approximately 2,0 Man Hour.

1.6 Material and Availability

Contact the Commercial Department of AEROMOT, through Phone: +55 (051) 371-1644, or Fax: +55 (051) 371-1655 for material.



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1.7 Tooling

Basic tool kit for maintenance.

1.8 Weight and Balance

Not affected.

1.9 Electrical Load Data

Not affected.

1.10 References

Engineering Order N° AI025/97.

1.11 Others Publications Affected

Not applicable.

2. ACCOMPLISHMENT INSTRUCTIONS:

2.1 Repositioning of muffler P/N 61624 and welding of locking rivet P/N MS20615M4-4

2.1.1 Remove the engine upper and lower cowl.

2.1.2 Loosen the four screws P/N AN 5C 11A (see item 7 figure #1) and move the muffler P/N 61624 (see item 5 figure #1) up until the distance between deflector sheet P/N 61629 (screwed to engine mounts) and muffler is about 10 mm.

2.1.3 Tighten screws P/N AN 5C 11A in this new position of the muffler.

2.1.4 Drill each clamp P/N 61625/1 (see item 6 figure #1) together with exhaust tube P/N 61632, 61633, 61634 and 61635 (see items 1, 2, 3 and 4 figure #1) with a drill Ø 3,2 mm (Ø 1/8"). See these procedures in the figure #2.

Remark:

1. Drill the clamps P/N 61625/1 (see item 6 figure #1) **already mounted** together with the exhaust tubes (see items 1, 2, 3 and 4 figure #1).
2. Drill only one side of the clamps and exhaust tubes; it is not a passing bore.
3. If any clamp present some problem, substitute for a new one.



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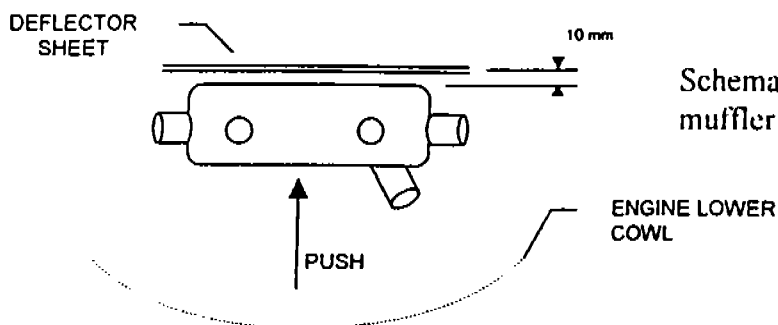
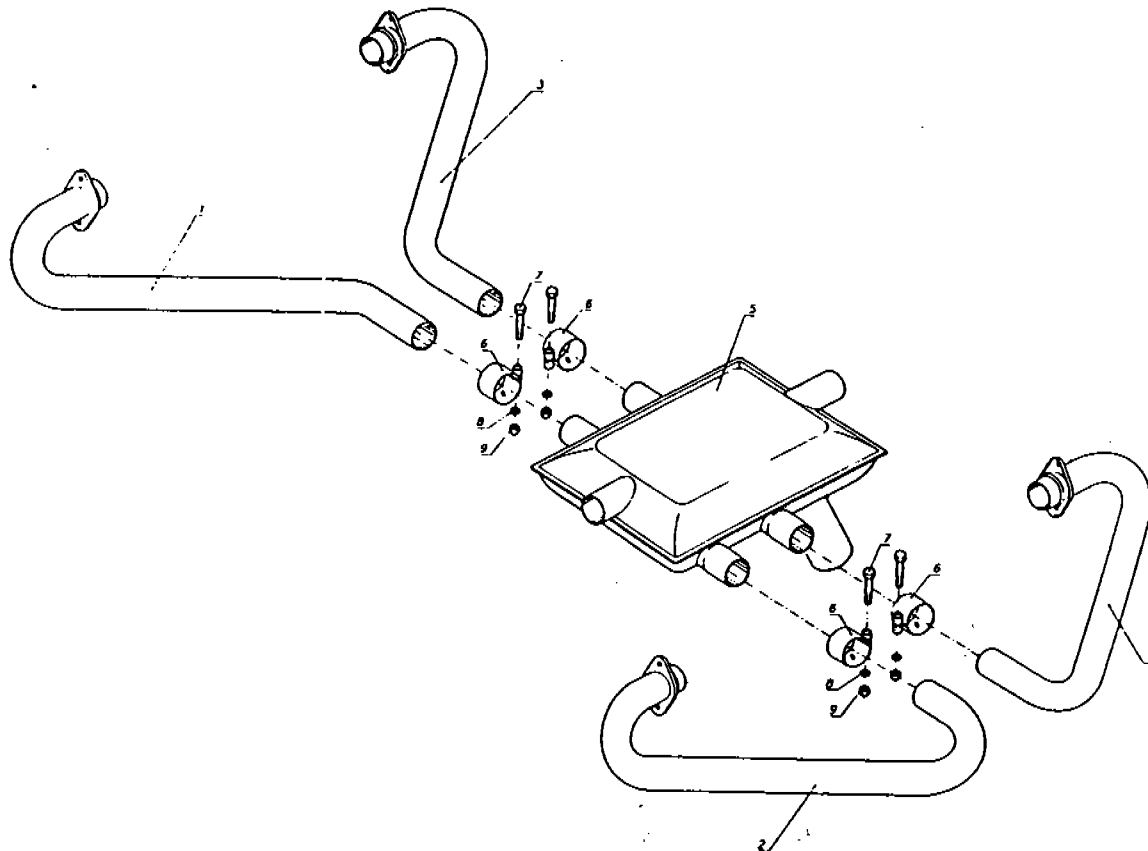
- 2.1.5 Introduce a stainless steel rivet REF. MS20615 M4-4 in drilled bore of the exhaust clamp exhaust tube and weld it (TIG) onto the clamp P/N 61625.1 (see figure #2).
- 2.1.6 Mount engine lower cowl and check if the exhaust tubes P/N 61632, 61633, 61634 and 61635 and muffler P/N 61624 do not touch the inside of the cowl.
- 2.1.7 Mount engine upper cowl.

3. MATERIAL INFORMATION:

New P/N	QTY	Keyword	Old P/N	Instructions
MS20615M4-4	4	Rivet	MS20615M4-4	Weld (TIG) onto clamp P/N 61625/1.



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Schematic side view of the clearance between the muffler and the deflector sheet

Figure #1



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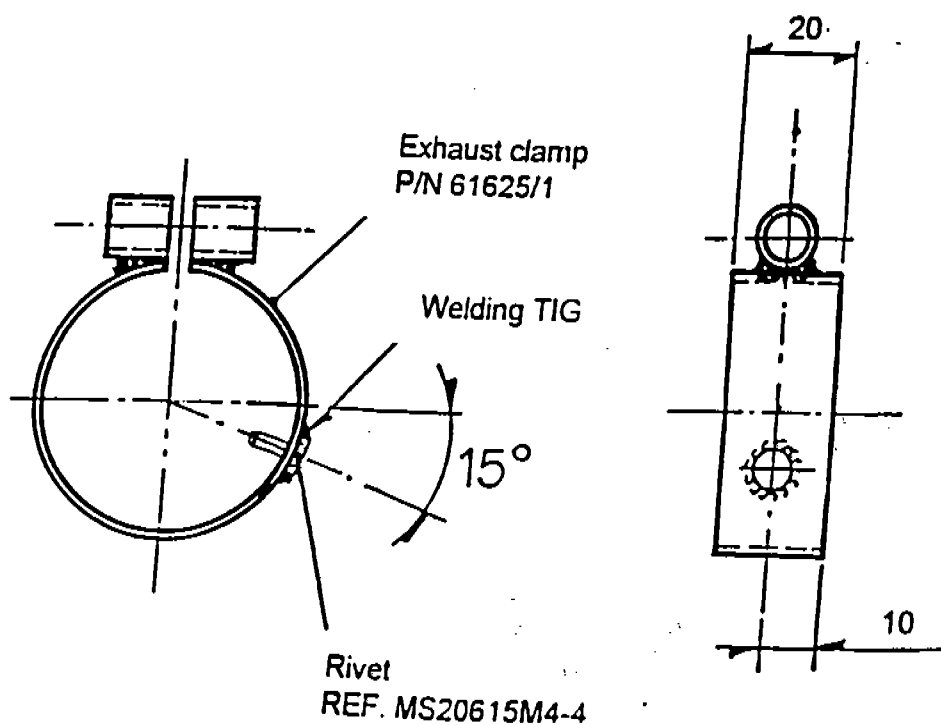


Figure #2