

## SERVICE BULLETIN

### KAIR 17001 – GTE 582

February 03, 2017

**Subject:** Cracks on exhaust system on GTE 582 trikes

**Models concerned:** All GTE models equipped with the Rotax 582 engine

#### **DESCRIPTION OF THE PROBLEM:**

Possible occurrence of cracks on the after-muffler assembly (see picture).

An accident occurred on a GTE trike equipped with a Rotax 582 engine in Spain. Different cracks have led to a separation between the muffler and the after-muffler. This part therefore separated from the engine and got through the propeller, resulting in catastrophic damages to the blades.

#### **CAUSE:**

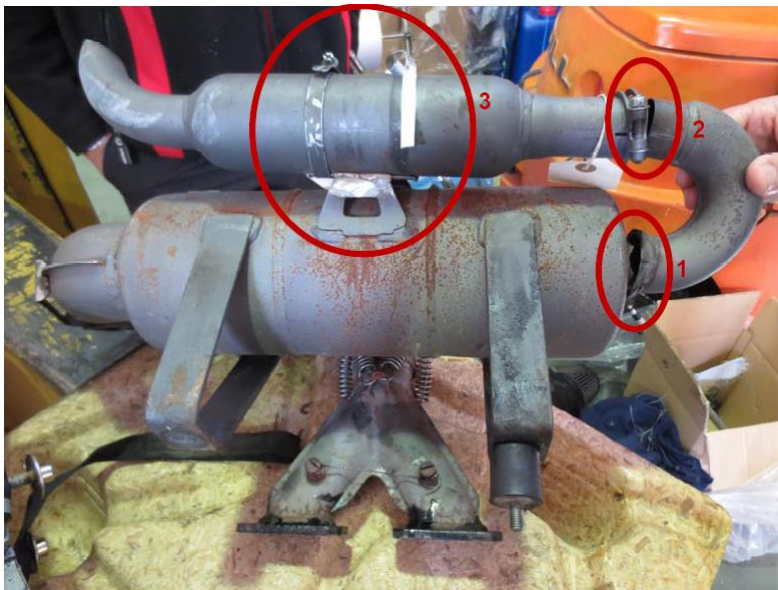
The damages on the after-muffler are the consequence of vibrations and heat stress. These factors are the normal aging factors of any exhaust system.

#### **REQUIRED ACTION:**

To control the ageing factors of the exhaust system, the following checks must be performed:

- check exhaust system prior to any flight.
- perform careful periodic checks as indicated in the manuals (Air Creation GTE503/582 instruction and maintenance manual, and Rotax.582 maintenance manual).

In case cracks are detected, stop flying and contact immediately our aftersales service to have the part repaired or replaced.



1 : Possible cracks on the weldings between the elbow and the muffler

2 : Clamp holding the after-muffler on the elbow

3 : Possible cracks on the weldings of the butterfly shape part holding the after-muffler on the muffler

#### **REMINDER OF GOOD PROCESS :**

**Never fly with an unbalanced propeller generating high level of vibrations.** Contact our aftersales service to have the propeller repaired or replaced.