



2900 Selma Highway
Montgomery, AL 36108 USA
Tel: 334-386-5400 Fax: 334-386-5450

SERVICE LETTER

SERVICE LETTER No. 089

Wastegate Expander Ring

1. Planning Information

A. Effectivity

- (1) AeroForce wastegate assembly P/Ns 470780-(*), 470818-(*), 470830-(*), 470842-(*), 470908-(*), 470954-(*), 481064-(*), are affected by this Service Letter (SL).

* All dash numbers

- (2) All wastegate assemblies field-overhauled using wastegate expander-ring P/N 476762-0000 are affected by this SL.

WARNING: DO NOT USE OBSOLETE OR OUTDATED INFORMATION. PERFORM ALL INSPECTIONS OR WORK IN ACCORDANCE WITH THE MOST RECENT REVISION OF THIS SERVICE LETTER. INFORMATION CONTAINED HEREIN MAY BE SIGNIFICANTLY CHANGED FROM EARLIER REVISIONS. FAILURE TO COMPLY WITH THIS SERVICE LETTER OR THE USE OF OBSOLETE INFORMATION MAY CREATE AN UNSAFE CONDITION THAT MAY RESULT IN DEATH, SERIOUS BODILY INJURY, AND/OR SUBSTANTIAL PROPERTY DAMAGE. REFER TO THE AEROFORCE WEBSITE, WWW.AEROFORCE.AERO, FOR THE MOST RECENT REVISION LEVEL OF THIS SERVICE LETTER.

B. Concurrent Requirements

- (1) None

C. Reason

- (1) Part shape variation that exceeds historical conditions for wastegate expander-ring P/N 476762-0000 has been noted.
- (2) This SL serves to notify customers that the variation has been evaluated and found to be acceptable.

D. Description

- (a) Some degree of part-to-part shape variation may be noted for wastegate expander-ring P/N 476762-0000. Figures 1 thru 3 depict the variation that may be observed. Conditions depicted are acceptable for use.

E. Approval

- (1) This Service Letter has been approved by Hartzell Engine Technologies LLC.

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F. Manpower

- (1) No additional man-hours are required.

G. References

- (1) HET Manual 400999-0000, *Overhaul Manual-Aircraft Valves & Controls*, Rev. C or later FAA approved revision.

H. Weight and Balance

- (1) No Change

2. Materials Required

- A. No material is required.

3. Contact Information

- A. Contact HET Product Support for all communications regarding the technical content of this Service Letter.

- (1) Phone +1.334.386.5400 (Option 2)

- (2) Fax +1.334.386.5450

- (3) E-mail at techsupport@hartzell.aero

- (4) Address

Hartzell Engine Technologies LLC - ATTN: Product Support
2900 Selma Highway
Montgomery, AL 36108
USA

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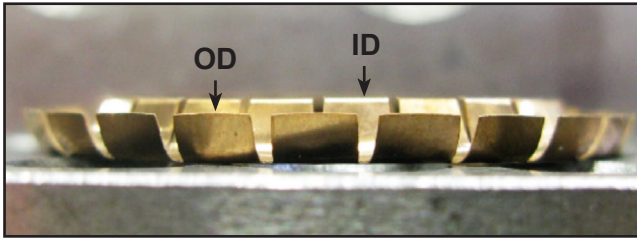


Figure 1 - Outside Diameter Lower than Inside Diameter.

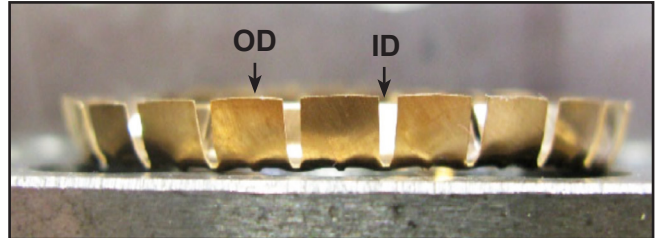


Figure 1A - Outside Diameter Higher Than or Even with Inside Diameter.

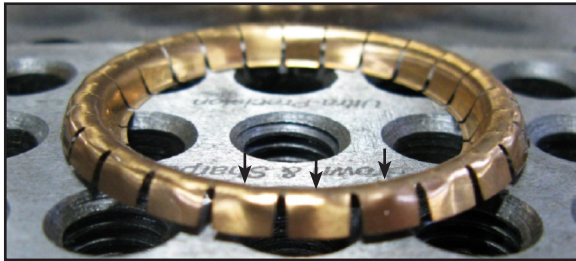


Figure 2 - Smooth Lower Bend Radius

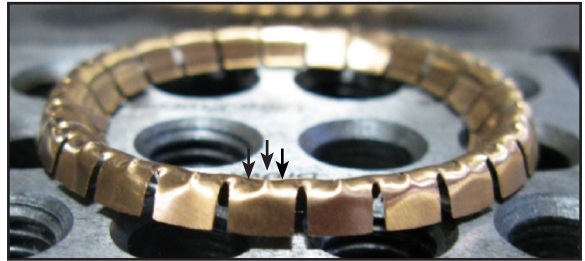


Figure 2A - Rigid Lower Bend Radius

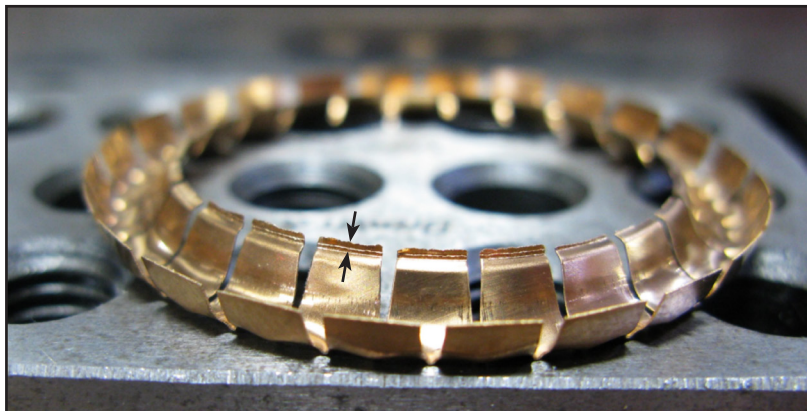


Figure 3 - Raised Material on Inside Diameter (may or may not be present)

NOTE: All configurations above are acceptable and may be used in affected wastegate assemblies.