




	Title: <b>Work Instruction</b>	Doc. No.: <b>WI-MSB-E4-029</b> Rev.: <b>0</b>
Type: <b>E4 Series</b>	Subject: <b>Modification of restrictor for damping pressure oscillations</b>	Page 1 of 5

## WORK INSTRUCTION

# Modification of restrictor for damping pressure oscillations


	Name / Position	Date:	Signature / Stamp:
Prepared:	D.Dorner	09.12.2020	
Checked/ Verified:		10.12.2020	

	<ul style="list-style-type: none"> <li>○ <u>Position</u>: the jobholders position in the company signing the document e.g. LDE (Lead Design Engineer) or CVE Hardware (Compliance Verification Engineer responsible for Electronic Hardware)</li> <li>○ <u>Prepared</u>: preparation of this certification report under the CE responsibility</li> <li>○ <u>Checked/Verified</u>: checking and verification of the content of this certification report and checking that the defined requirements (e.g. CS-E) are met.</li> <li>○ <u>For details refer to</u>: AE-VA-T-12-03 / Erstellen von Berichten zur Nachweisführung</li> </ul>
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## 0 GENERAL

This procedure details the modification of the restrictor in front of the boost pressure actuator.



Make sure that the workplace is clean and use clean gloves.

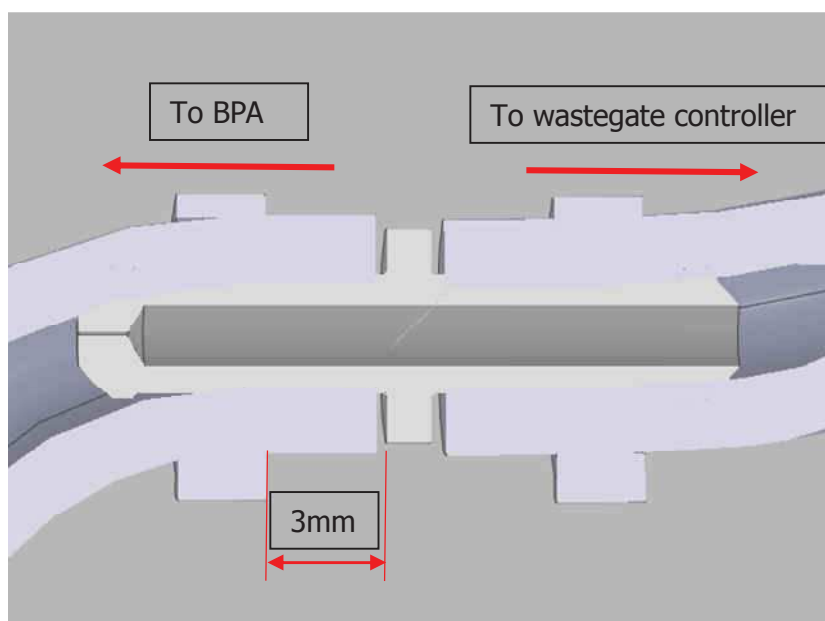
If required, refer to the Maintenance Manual E40804 (chapter 81-00-21/22) for the removal and installation of Boost Pressure Actuator (BPA).

## 1 RE-WORK PROCEDURE


1. Loosen the hose ties (Fig.1) and remove the pressure hose from BPA and waste gate controller.
2. Cut the existing pressure hose in two pieces with a length of 45 mm (tolerance: 0/-2,5mm) (see Fig.1). A small piece of the pressure hose will remain.
3. Put the hoses ties (4 pcs.) on the ends of both pressure hoses.
4. Put one pressure hose on the BPA and one pressure hose on the waste gate controller.
5. Push the restrictor with the small drill hole facing forward into the hose of the BPA.
6. Connect the other end (large drill hole) to the hose of the waste gate controller.
7. Put the hose ties in correct position (shown below, approx. 3mm from restrictor).

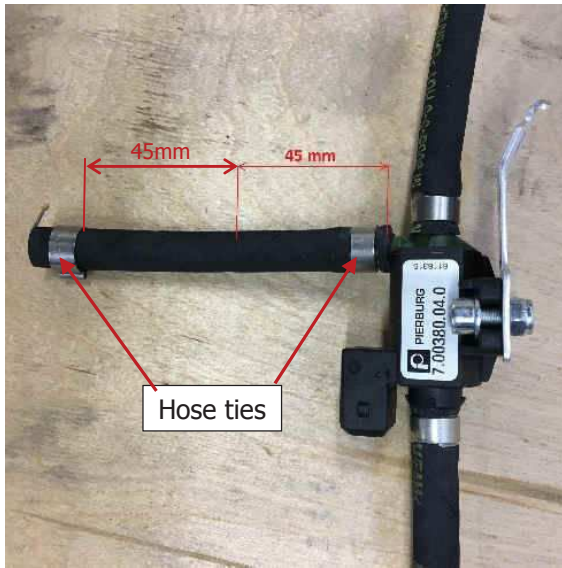


**The side with the smaller hole (0.4 mm) must be directed in BPA direction!**

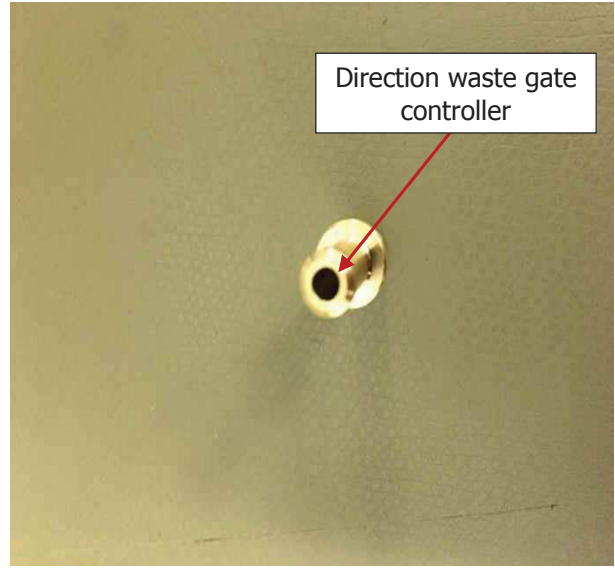


8. Fix all four ends with the hose ties (see Fig. 4).

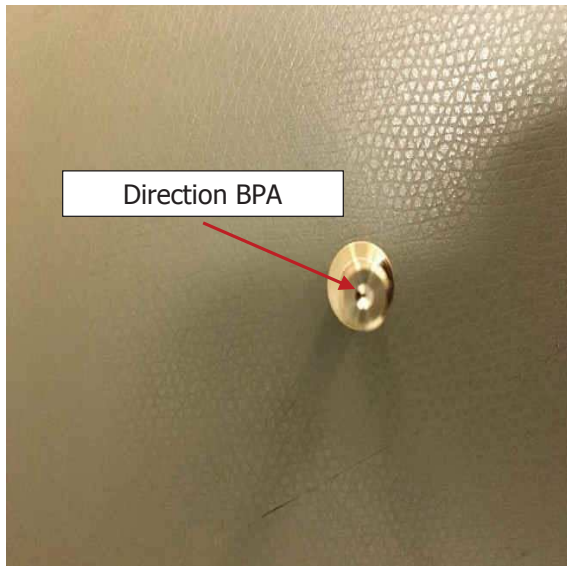
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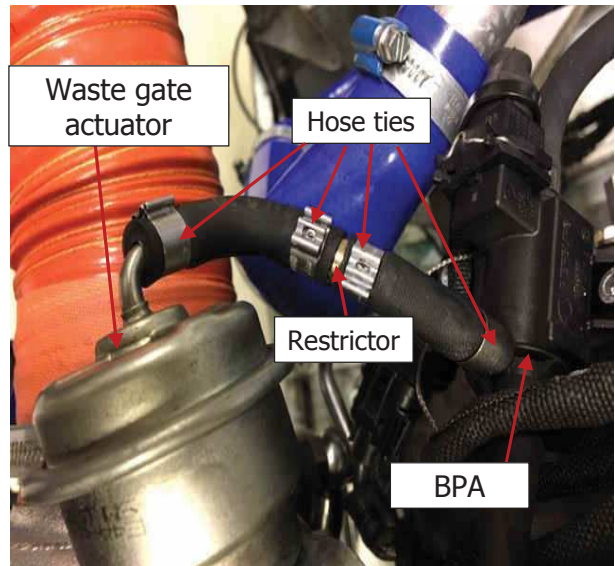
**Fig. 1**




**Fig. 2**



**Fig. 3**



**Fig. 4**

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## 2 CONSUMABLES

1. 1 x Restrictor (AEP-00361)
2. 4 x Hose ties (E4A-41-300-803)

## 3 REMARKS

### **NOTE:**

- All measures must be carried out by a certified engine station and certified engine mechanics.
- The accomplishment of the instructions shown must be confirmed in the respective engine log book.
- In case of doubt please contact the Austro Engine GmbH – After Sales Support (e-mail: [service@austroengine.at](mailto:service@austroengine.at); Tel: +43 2622 23000 2525).

## 4 EXPLANATORY NOTES

### 4.1 Symbol explanation



**WARNING:** Disregarding these safety rules can cause personal injury or even death



**CAUTION:** Disregarding these special instructions and safety measures can cause damage to the engine or other components.



**NOTE:** Additional note or instruction for better understanding of an instruction