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| **Information about optional components** |
| **KDI 3404 TM Workshop Manual (Rev. 08.4)** |



**Registration of modifications to the document**

Any modifications to this document must be registered by the drafting body, by completing the following table.

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|  | manoff |  |  |  |  |  |

**Translated from the original manual in Italian language**

Data reported in this issue can be modified at any time by KOHLER.

Sommario

[1. TITOLO 1 2](#_Toc495648770)

[1.1. Asdfsdfsdf 2](#_Toc495648771)

[1.2. Asdfsdfsdfggg 2](#_Toc495648772)

# Information about optional components

## Heater (replacement)

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| Z_importante.jpg  **Important**       * Before proceeding with operation, read [**Par. 3.3.2**](https://iservice.lombardini.it/jsp/Template2/manuale.jsp?id=814&parent=1545) . | |
| **11.1.1 Disassembly**   1. Undo the screws **A** . 2. Remove the flange **C** . 3. Remove the heater **E** and the relevant gaskets **F** . | 11.1.jpg **Fig 11.1** |
| **11.1.2 Assembly**    Z_importante.jpg **Important**       * Always replace gaskets **F** , with each assembly.      1. In sequence, fit the manifold **G** with the gasket **F** , the new heater **E** , the second gasket **F** , the flange **C** , the washers **H** , the screws **A** and the cable **B** . 2. Secure the flange **C** with the screws **A** (tightening torque at **22 Nm** ). | 11.2.jpg **Fig 11.2** |

## Air filter (cartridge replacement)

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| Z_importante.jpg  **Important**       * Before proceeding with operation, read [**Par. 3.3.2**](https://iservice.lombardini.it/jsp/Template2/manuale.jsp?id=814&parent=1545) . |  |
| 1. Release the two hooks **A** and remove the cover **B** from the body **C** . 2. Remove the cartridges **D** . | 11.3.jpg **Fig 11.3** |
| 1. Insert the new cartridge **D** and both of them inside the filter body **C** . 2. Secure the cover **B** via the hooks **A** . | 11.4.jpg  **Fig. 11.4** |

## Cooling circuit (replacement)

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| Z_importante.jpg  **Important**       * Before proceeding with operation, read [**Par. 3.3.2**](https://iservice.lombardini.it/jsp/Template2/manuale.jsp?id=814&parent=1545) . |  |
| **11.3.1 Radiator disassembly**   1. Release the clamp **A1, A2** . 2. Disconnect hose **B** from radiator **C** . | 11.5.jpg  **Fig. 11.5** |
| 1. Release the clamp **A3, A4** . 2. Disconnect hose **D** from radiator **C** . | 11.6.jpg  **Fig. 11.6** |
| 1. Loosen all capscrews **E1** , **E2** and **E3** . 2. Release nut **F** . 3. Remove floodgates **G1** and **G2** . 4. Loosen capscrews **K** . 5. Disconnect radiator **C** from hoses **H1** and **H2** , being careful not to deform tubes **J1** and **J2** .   11.7.jpg  **Fig. 11.7** | 11.8.jpg  **Fig. 11.8** |
| 11.9.jpg  **Fig. 11.9** |
| **11.3.2 Fan disassembly**   1. Undo the screws **P** and remove the fan **R** . | 11.10.jpg  **Fig. 11.10** |
| **11.3.3 Fan assembly**   1. Assemble the fan **R** on the pulley **U** . 2. Fasten the fan **R** by using the screws **P** (tightening torque at **10 Nm** ). | 11.11.jpg  **Fig. 11.11** |

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| **11.3.4 Radiator assembly**   1. Fit radiator **C** onto hose **H2** , being careful not to deform tube **J2** . 2. Centre radiator **C** onto vibration-dampening devices **V** . 3. Secure radiator **C** onto vibration-dampening devices **V** by means of capscrews **K** (tightening torque at **25** **Nm** ). | 11.12.jpg  **Fig. 11.12** |
| 1. Position floodgate **G1** onto radiator **C** . 2. Secure all capscrews **E1** . 3. Place floodgate **G2** onto radiator **C** . 4. Secure all capscrews **E3** and **E2** . | 11.13.jpg  **Fig. 11.13** |

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| 1. Fit hose **H1** onto radiator **C** , being careful not to deform tube **J1** .   **NOTE** : Make sure vibration-dampening device **V2** is correctly installed in its place on brace **S** . | 11.14.jpg  **Fig. 11.14** |
| 1. Secure vibration-dampening device **V2** onto brace **S** by means of nut **F** , inserting washer **F1** (tightening torque at **25 Nm).** 2. Secure hoses **B** and **D** by means of clamps **A2** and **A3** ( **Fig. 11.5 - 11.6** ). 3. Secure hoses **H1** and **H2** by means of clamps **A1** and **A4** ( **Fig. 11.5 - 11.6** ). | 11.15.jpg  **Fig. 11.15** |

