



Technical Product Information

0199-71-0848/0 EN



This Circular supersedes:

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2.9 / 3.6 / 4.1 / 5.2 / 6.1 / 7.8 / 12.0 / 16.0

- TCD 2.9 • TCD 3.6 • TCD 4.1 / TCD 6.1 / TTCD 6.1
- TCD 5.2 / TCD 7.8 / TTCD 7.8 • TCD 12.0 V6 / TCD 16.0 V8

(M0199-71-0012)

New DEF extraction unit with quality sensor

Description

Changeover to an optimised DEF extraction unit regarding to the measurement of the DEF concentration (Q-sensor) with simultaneously optimised cable and line routing externally, as well as within the DEUTZ DEF tanks.

The external cable routing now consists of only one flexible cable without an external electronics box (previously two relatively rigid cables).

The wiring harness connector including the pin assignment for connecting of the unit remains identical. The cable length is designed so that the mounting position of the mating connector remains the same compared to the position of the current electronics box.

The new DEF extraction unit is 100% compatible in terms of function, software and data set.

Consequences for the installation customers

By replacing the previously used electronics box with the integrated plug by a standard plug attached to the cable (see figure A), the current attachment of the electronics box to the chassis / the machine is no longer necessary. Instead, the new connector must be attached in accordance with the instructions for connectors and cable harnesses from the current EAT- installation manual e.g.: "Support the cables and plugs with cable ties at a defined distance in a vibration-neutral manner".

Due to the optimized cable and wiring routing, the position of the connections of the heating and DEF lines on the extraction unit changes (figure B).

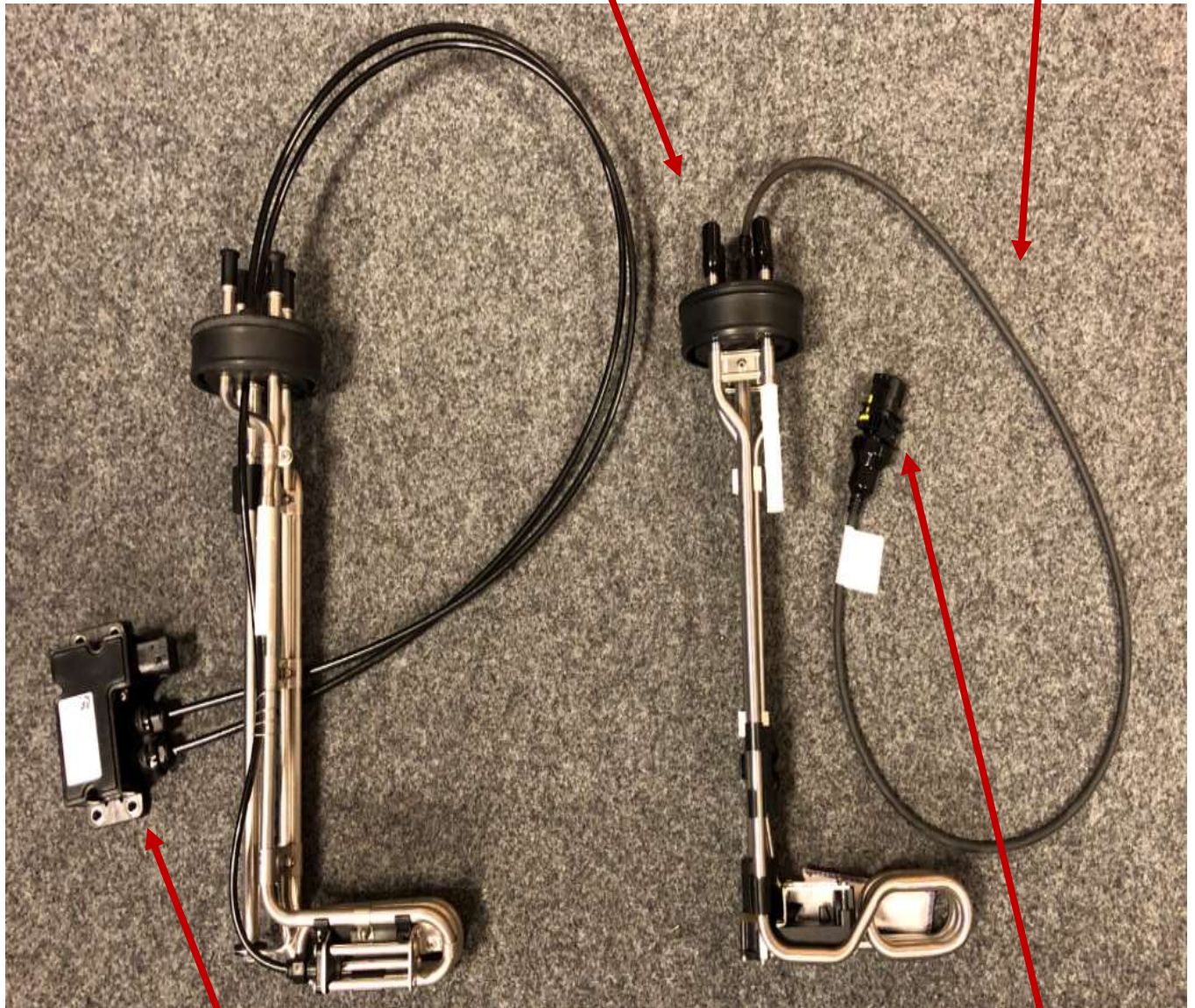
figure A

old:

new:

Unmodified header relating to the installation in the tank.

1.10m cable so that the position of the counter plug remains the same.

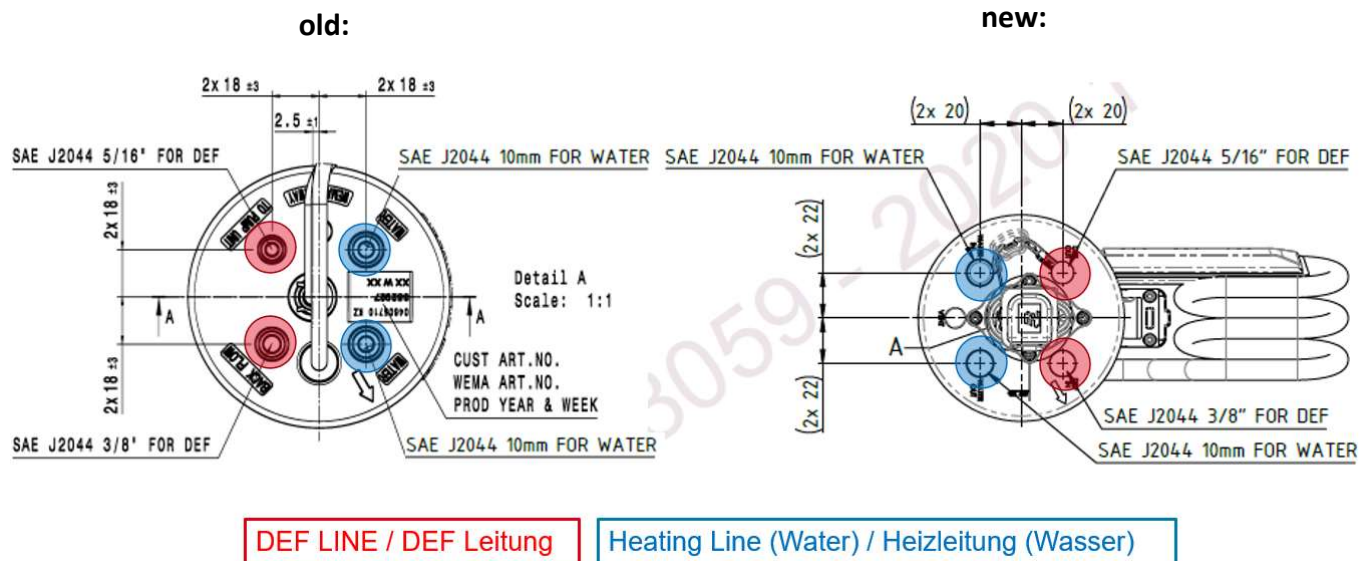


The electronics box attachment is omitted

Same wiring harness connector Plug holder required instead of mounting electronics box.
Unchanged pin assignment

figure B

Schematic diagram of the arrangement of the connections of the DEF lines and heating line at the header of the extraction unit. Connection sizes remain unchanged.



Assembly kits affected

Engine Series	Sec.	Supply Assembly
2.9	32	3101 5953,5954,5955,5956
3.6	30	3102 1058,1057,1059,1060,1418,1419,2097,2182,2257,2270,2293
4.1/ 6.1 / 7.8	25	0040 6042,6043,6044,6092,6471,6478,6479,6480,6482,6677,7249,7252
5.2	74	0041 1302,1348,1349,1351,1352,1353 ,1354,1355,1361
12.0 / 16.0	26	2204 1112,1115,1126,1127,1364,1375

Phase-in date

1st November 2022

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