

Fault code table

FENDT level 4 / tier 4f tractors

FENDT 300 Vario S4

FENDT 500 Vario S4

FENDT 700 Vario S4

FENDT 800 Vario S4

FENDT 900 Vario S4

FENDT 1000 Vario S4



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1 Fault codes

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1.1 Fault code tables

1.1.1 Updates to fault code tables

IMPORTANT:

Due to further developments to the vehicle, the content of this document is subject to change. Use AGCONET or contact FENDT Technical Service to check whether an updated fault code table is available.



Fig. 1

1.1.2 Notes on the fault code display

This collection lists all fault codes that are possible and valid for the possible vehicle series listed on the title page. In some cases this may mean that a fault code has been assigned to several electrical/electronic components that may be causing faults.

The following two examples explain how these faults are to be interpreted.

NOTE: The assignment of a component to a fault code is based on the creation of the fault code table in the existing technical instruction. It does not claim to be exhaustive, which means that, where appropriate, other components or causes of faults may or must be taken into consideration.

A fault code with multiple assigned components with different functionality

Störcode	DIN - Kurzbeschreibung	Ursache	Folgen und Abhilfe
04.1.64	A050 - ECU, Basissteuereinheit (EXT) Y004 - Magnetventil, Kupplung / Turbokupplung	Ansteuerung Magnetventil Turbokupplung defekt	Turbokupplungsventil kann nicht manuell aktiviert werden, d.h. Schlepper ist nicht mehr fahrbar!

FCO02090

Fig. 2

In this example, either the component or component

- **A050** - Basic control unit ECU (EXT) or
- **Y004** - Clutch/turbo-clutch solenoid valve

may be the cause of the fault.

A fault code with multiple assigned components with the same functionality

Störcode	DIN - Kurzbeschreibung	Ursache	Folgen und Abhilfe Service
1D.1.1B	A099 - ECU, Motorsteuergerät (EDC 17) A140 - ECU, Motorsteuergerät (EDC 17) A144 - ECU, Motorsteuergerät (EDC 17) A169 - ECU, Motorsteuergerät (EDC 17)	Interner Fehler Motorsteuergerät	Mit Motordiagnose den motor-spezifischen Fehlercode auslesen

FCO02089

Fig. 3

Depending on the respective vehicle series, one of the components listed has been installed. Please refer to the Workshop Service Manual to check which component is installed in which vehicle series.

NOTE: The assignment of a component to a fault code is based on the creation of the fault code table in the existing technical instruction. It does not claim to be exhaustive, which means that, where appropriate, other components or causes of faults may or must be taken into consideration.

1.1.3 Structure of fault code

Warning and failure alarms are indicated by symbols on the multiple display on the instrument panel. The warning lamp also flashes and a warning signal sounds.

If a fault code is displayed, an additional fault code can be called up for the exact determination of faults. This code is stored automatically and can be called up in the workshop for rapid troubleshooting.

Example: Fault code 06.1.01

- (A) Number of faults present
- (B) Fault currently shown
- (C) Fault code

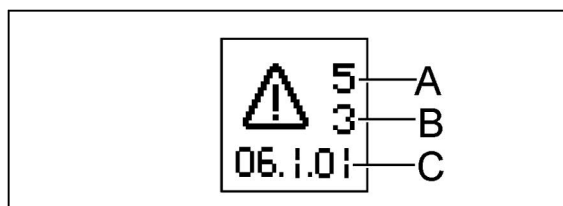


Fig. 4

The fault code consists of characters (hexadecimal numbers, letters up to F), which are separated from each other with full stops and so form three groups of characters.

First group of characters

The first group consists of two characters and can contain numbers and letters. This group describes the **fault location**. For example, the digits 06 indicate that the error is in the area of the rear PTO.

List of fault locations:

- (00) Instrument panel
- (01) EDC engine control unit
- (02) Varioterminal
- (03) Multi-function armrest
- (04) Transmission
- (05) Comfort hydraulics (AWD, differential lock)
- (06) Rear PTO
- (07) Front PTO
- (08) Rear power lift
- (09) Front power lift
- (0A) Electrical auxiliary spool valves
- (0B) Variotronic TI
- (0D) VarioDoc
- (0E) VarioGuide
- (0F) Central electrics
- (10) Air-conditioning system
- (11) Dashboard
- (12) Tire pressure monitoring system
- (14) Front loader
- (15) Front axle suspension
- (17) ISOBUS implement control (joystick)
- (18) Way-line guidance pre-installation / electrohydraulic steering
- (1A) ABS
- (1D) Diesel engine
- (1E) Diesel engine
- (1F) Basic control unit
- (20) VarioGuide

Second group of characters

The second group consists of a number and describes the **fault weighting**. For example, the number 1 says that it is a medium fault.

- (0) Severe

- (1) Medium
- (2) Mild

Third group of characters

The third group consists of two characters (numbers and letters) and is a **sequential number**, which is used to sort the fault codes.

- (01) Consecutive number
- (02) ...

In the fault code lists for electrical auxiliary spool valves contain fault codes with an X in the third structure group, for example, 0A.1.X0 or 0A.1.X7. Here, X stands for the valve number. If, for example, the fault codes 0A.1.10 and 0A.1.37 are displayed, this means the following:

- 0A.1.10: Position 1 valve does not report on CAN
- 0A.1.37: = Position pickup sensor fault for position 3 valve

Sorting

All errors with an identical first group will appear in a separate table. This list is sorted by the consecutive number. The severity of the error, so the middle group, is not decisive for the collation of the error.

1.1.4 Confirm, call up, delete fault code

Confirm fault code

Cancelling a fault code does not remove the fault; it is simply no longer displayed.



Press button repeatedly until no more fault codes are indicated on the display.

NOTE:

Each stored fault code must be cleared individually. The message will be displayed again the next time the tractor is started up.

Call up fault code



Press button

The image opposite is displayed

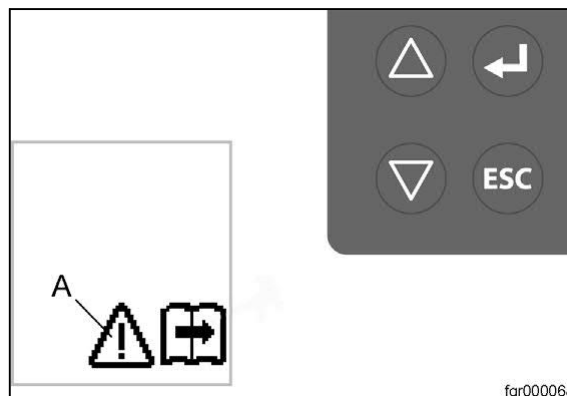


Fig. 5

1. Fault codes

Call up fault code



Press button. The first main menu level appears on the multiple display.

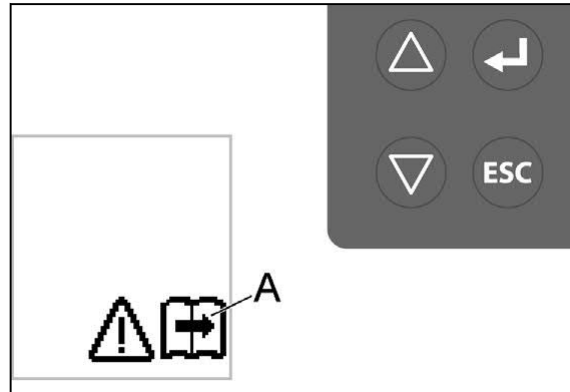


Fig. 6



Press one of the buttons repeatedly until the symbol (A) flashes



Press button.

The following screen appears

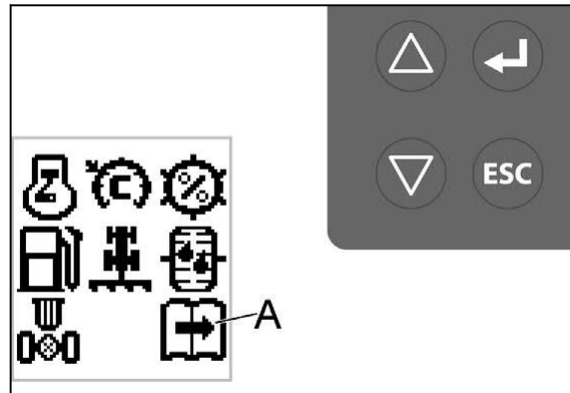


Fig. 7

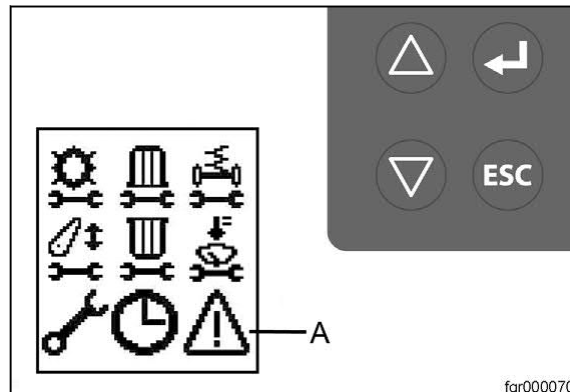


Press one of the buttons repeatedly until the symbol (A) flashes



Press button

The following screen appears



fgr000070

Fig. 8

(A) Number of faults

(B) Fault currently on display

(C) Fault code



Press one of the buttons. The faults are displayed one after the other.

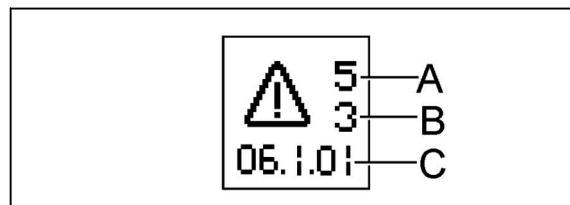


Fig. 9



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Delete fault code

First call up fault code. If necessary, note down the fault code.



Press button. The following image appears on the multiple display.

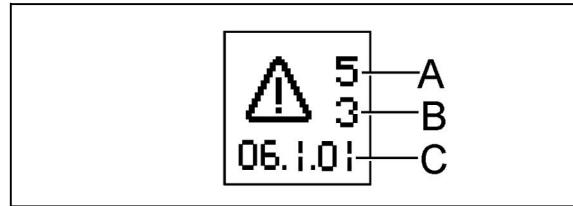


Fig. 10

Press buttons (A), (B) (both arrow keys) and (C) simultaneously. All fault codes in the fault memory of the instrument panel are deleted.

NOTE:

Fault codes are also stored in the ECU basic control unit and, depending on the faults, also in the engine control unit. Fault codes can only be deleted from the control units using the appropriate diagnostic software (FENDIAS/engine software).

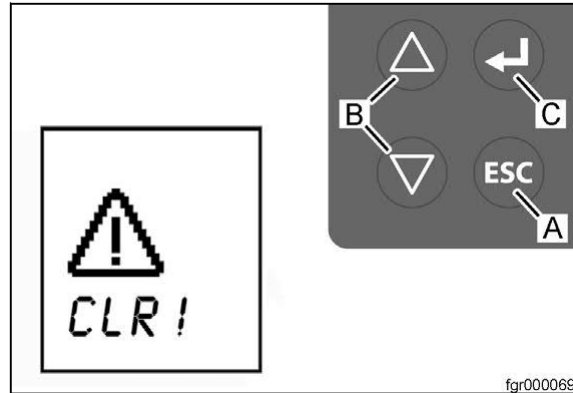


Fig. 11

1.1.5 Confirm, call up and delete fault code

Confirm fault code

Cancelling a fault code does not remove the fault, it is simply no longer displayed.



Press the button as many times as necessary until no more fault codes are displayed.

NOTE:

Each stored fault code must be cleared individually. The message will be displayed again the next time the tractor is started up.

Call up fault code



Press button: The first Main menu level appears on the multiple display



Press one of the buttons repeatedly until the symbol (A) flashes.



Press button: The following image appears on the multiple display.

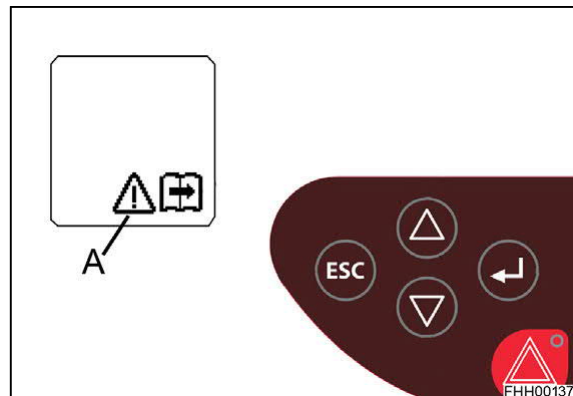


Fig. 12

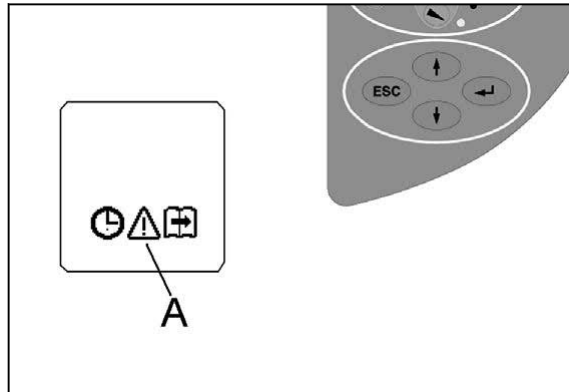


Fig. 13

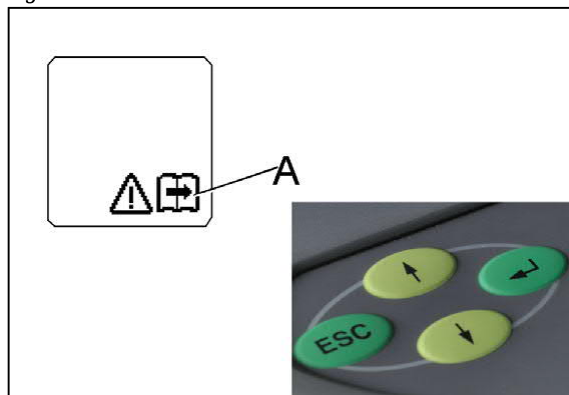


Fig. 14

- (A) Number of faults
- (B) Fault currently on display
- (C) Fault code



Press one of the buttons. The faults are displayed one after the other with an appropriate fault code.

Delete fault code

First call up the fault code, making a note of it if necessary.



Press button: The following image appears on the multiple display.

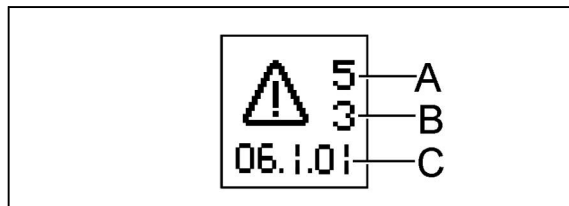


Fig. 15

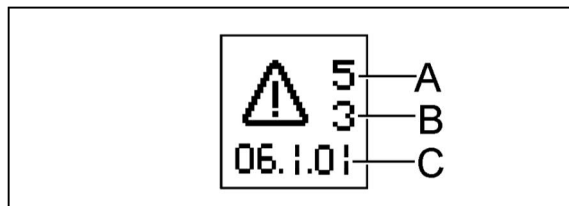


Fig. 16

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