WACKER NEUSON

Operator's Manual

Telehandlers

TH744
TH750 / TH755



Machine model	416-02 / 416-04 / 416-08
From serial no.	416 02 0001 / 416 04 0001 / 416 08 0001
Version	2.0
Document number	1000326263
Language	[en]

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EC Declaration of Conformity

Manufacturer

Kramer-Werke GmbH, Wacker-Neuson-Str. 1, D-88630 Pfullendorf

Product

Machine designation	Telehandler
Model/version	416 / 416-02
Trade name	TH744
Serial number	416-02 _ _ _ _
Output kW	90
Measured sound power level dB(A)	105
Guaranteed sound power level dB(A)	106

Conformity assessment procedure

According to 2000/14/EC appendix VIII

Notified body involved in procedure

DGUV Test Prüf- und Zertifizierungsstelle (EU identification number: 0515)
Fachausschuss Bauwesen
Landsberger Str. 309
D-80687 München

Applied directives and standards

We hereby declare that this product corresponds to the relevant regulations and requirements of the following EC Directives and standards:
2006/42/EC, 2000/14EC, 2004/108/EC, 2002/44/EC, DIN EN 1459,
DIN EN ISO 12100: 2010, DIN EN 14121, DIN EN 3471, DIN EN 13510,
EN ISO 3744, EN ISO 3746, DIN EN 15695-1
DIN EN ISO 3449, DIN EN 15000

Authorized representative for the compilation of technical documentation

Kramer-Werke GmbH
Product Development
Wacker-Neuson-Str. 1
D-88630 Pfullendorf

Pfullendorf, (date) _ _ . _ _ _ _



M. Arndt
Head of product development
Kramer-Werke GmbH

Original declaration of conformity

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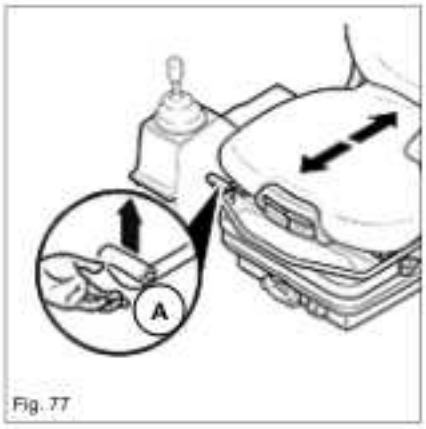


Fig. 77

Horizontal adjustment without control lever base

1. Sit down on the operator seat.
2. Pull lever **A** up and at the same time, move the operator seat forward or backward.
3. Let the lever **A** engage as soon as the joystick can be easily reached.

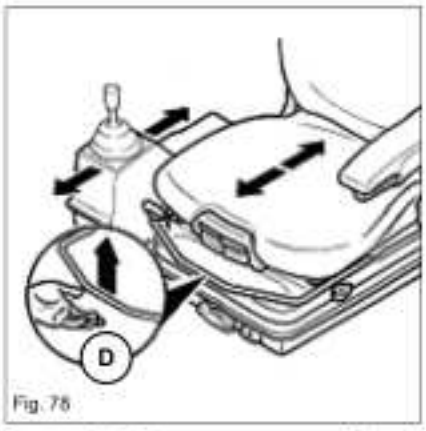


Fig. 78

Horizontal adjustment with control lever base

4. Pull lever **D** up and at the same time, move the operator seat forward or backward.
   - The control lever base is adjusted as well.
5. Let lever **D** engage as soon as the pedals can be easily reached.
6. Adjust the steering column
   – see "Steering column height and angle adjustment" on page 5-1.



Fig. 79

Lumbar support adjustment (option)

Turn handwheel **F** to the left or right to adjust the height and the intensity of the arch in the backrest padding.



Fig. 80

Adjustment of horizontal suspension (option)

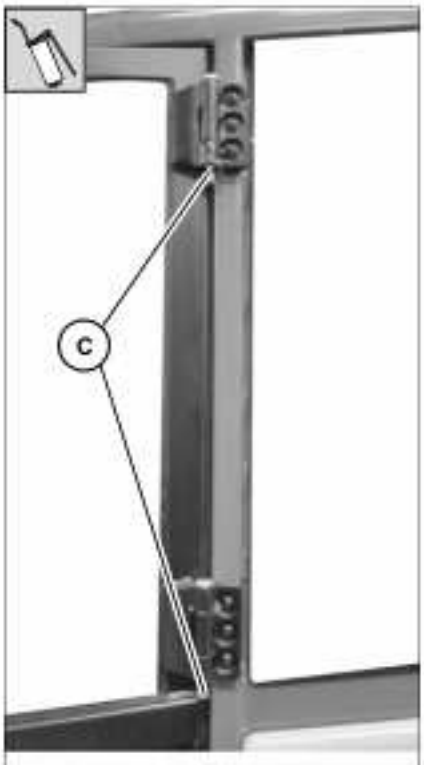
Switching on the horizontal suspension with lever **G** may be recommendable under certain conditions (for example driving with a trailer).

This enables the operator seat to dampen shocks in transport direction.

- Position **a** = horizontal suspension **ON**
- Position **b** = horizontal suspension **OFF**

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Lubricating the door



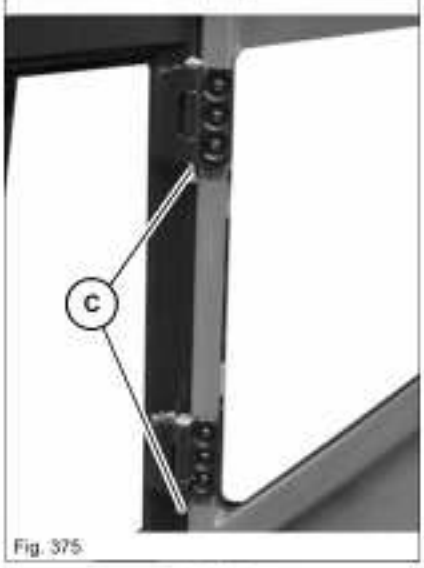


Fig. 375

Information

Maintenance intervals – *see "Maintenance plan" on page 7-3.*
Lubricants – *see chapter 7 "7.3 Fluids and lubricants" on page 7-12.*

- Lubricate grease nipples **C** (4 x).

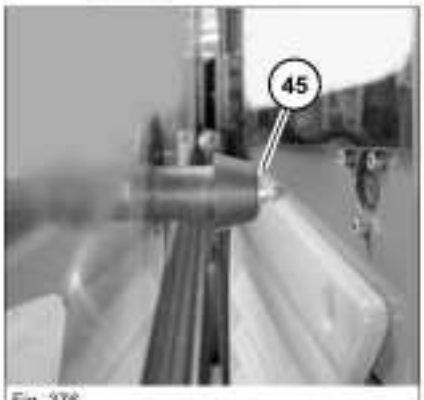


Fig. 376

Information

Maintenance intervals – *see "Maintenance plan" on page 7-3.*
Lubricants – *see chapter 7 "7.3 Fluids and lubricants" on page 7-12.*

- Lubricate door arrester **45**.

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Switch box			
Designation	**PROFI CAM**	**PROFI CAM PLUS**	
Operating voltage	●	●	10 – 30 V direct current
Operating temperature	●	●	–40 – 85 °C
Protective system with cover	●	●	IP6K9K Dust-proof and suitable for high-pressure cleaning
Protective system without cover	●	●	IP6K8 Dust and waterproof
Size without connector (length x width x depth)	●	●	148 mm x 148 mm x 65 mm
Weight	●	●	About 850 g
Material	●	●	Polyamide housing on stainless-steel base plate
Shock resistance	●	●	30 g
Length of connecting line	●	●	3 m

Video receiver			
Designation	**PROFI CAM**	**PROFI CAM PLUS**	
Operating voltage	●	●	10 – 30 V direct current
Operating temperature	●	●	–40 – 85 °C
Protective system with cover	●	●	IP6K9K Dust-proof and suitable for high-pressure cleaning
Protective system without cover	●	●	IP6K8 Dust and waterproof
Size without aerial (length x width x depth)	●	●	148 mm x 152 mm x 54 mm
Weight	●	●	About 875 g
Material	●	●	Polyamide housing on stainless-steel base plate
Frequencies	●	●	2400 – 2483.5 MHz

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Camera (option)

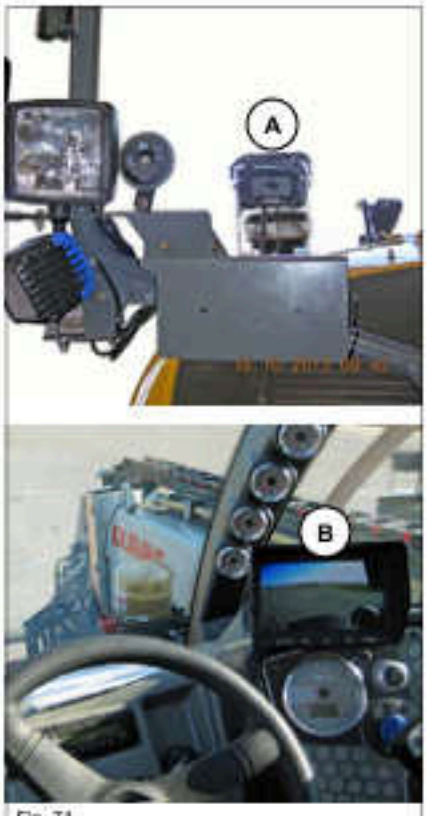


Fig. 71

The PROFI CAM video system is a video transmission system for monitoring areas around the machine that are poorly visible, or not at all.

The PROFI CAM video system consists of:

- Camera **A** on the light cluster on the right.
- Switch box with connecting cables.
- Colour screen **B** over the instrument panel.

Information

If the machine is equipped with an additional front control circuit V (option), the additional flexible lines on the telescopic boom restrict the operator's field of vision to the side. The additional control circuit V is only allowed in connection with a camera system (option).

Information

If the machine is equipped with a camera (option), there must be no gap between the field of vision of the camera and that of the wide-angle mirror (option).

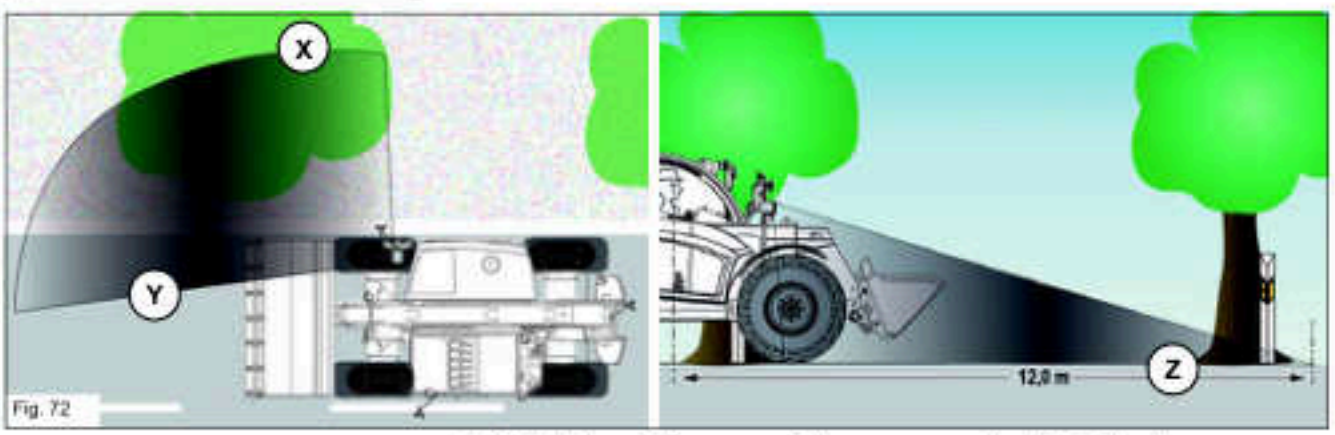


Fig. 72

1. Adjust the visible range of the camera so that the following areas can be seen on the screen:
   - On the outside right **X**, the area beside the front right wheel.
   - On the inside **Y**, the right edge of the quickhitch.
   - Toward the front **Y**, an area of up to 12 m.

For more information on operation and adjustment, see page *5-185*, for information on maintenance see page *7-104*, and for information on technical data see page *9-16*.

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Replacing the filter cartridge

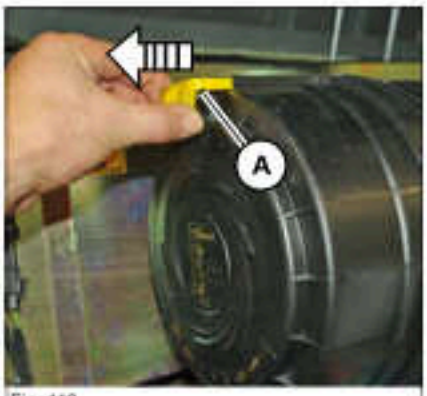


Fig. 416


Fig. 417

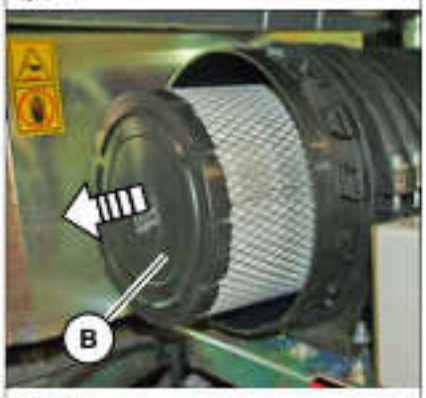


Fig. 418

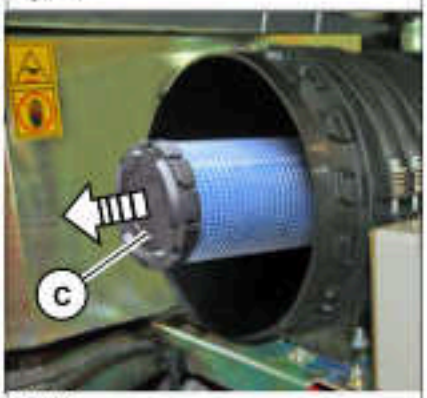


Fig. 419

NOTICE

In order to avoid damage to the engine due to dirty intake air, bear in mind the following:

- Do not clean the air-filter elements with compressed air or a brush.
- Replace the air-filter elements when the indicator light illuminates.
- Never reuse damaged air-filter elements.
- Ensure cleanliness in the entire filter area when replacing the air-filter elements!
- Do not operate the engine without the air-filter elements.

Information

Maintenance intervals – *see "Maintenance plan" on page 7-3.*

Replacing the filter cartridge and safety cartridge:

1. Stop the engine.
2. Apply the parking brake.
3. Switch off ignition and remove the ignition key.
4. Open the engine cover.
5. Pull lock **A** on the housing cover outward.
6. Turn the housing cover anticlockwise.
7. Remove the housing cover.
8. Carefully remove filter cartridge **B** with slightly turning movements.
9. In addition, every 3rd time the filter is replaced, carefully remove the safety cartridge **C** with slightly turning movements.
10. Ensure that all the dirt (dust) inside the filter housing and the housing cover has been removed.
11. Insert a new safety cartridge **C** into the filter housing.
12. Insert a new filter cartridge **B** into the filter housing.
13. Position the housing cover (ensure that it is properly seated) and press lock **A**.

NOTICE

Air-filter elements degrade prematurely when in service in acidic air for longer periods of time.

- This risk is present, for example, in acid production facilities, steel and aluminium mills, chemical plants and other nonferrous-metal plants.

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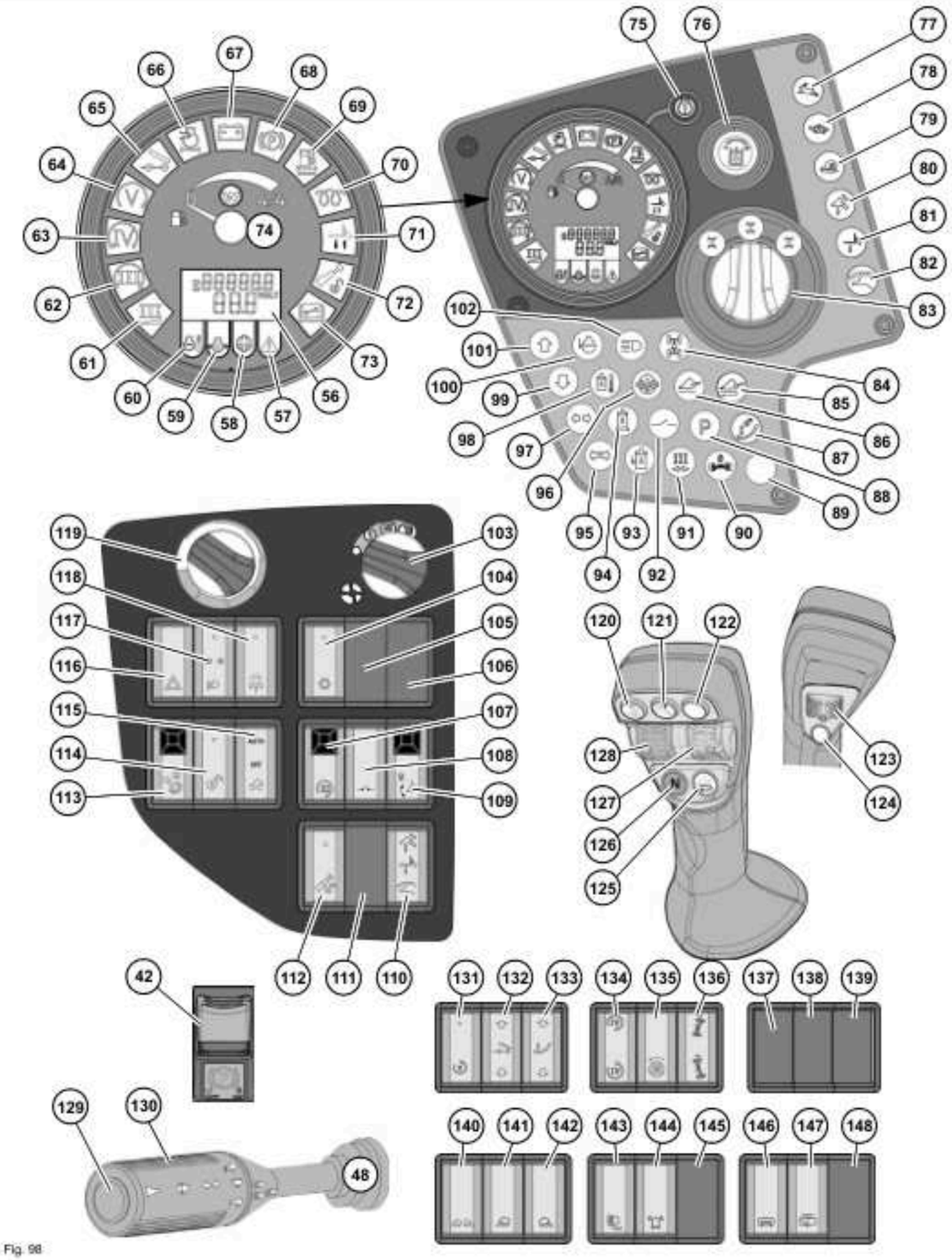


Fig. 98

Instrument panel with control elements

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