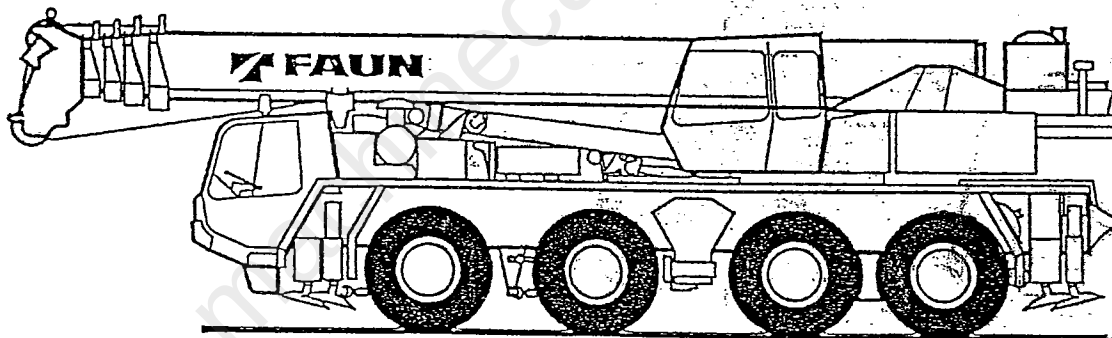


TADANO FAUN

ATF 70-4

All-Terrain-Kran
All-Terrain-Crane
Grue automotrice rapide

BEDIENUNGSANLEITUNG
OPERATING INSTRUCTION
MANUEL D'ENTRETIEN



Hersteller

FAUN GmbH
Postfach 100108
D - 91205 Lauf a.d. Pegnitz
☎ (09123) 185 - 0 . ☎ 622990
Fax (09123) 75320

Kundendienst

TADANO FAUN GmbH
Postfach 10 02 64
D - 91205 Lauf a.d. Pegnitz
☎ (09123) 955 - 0 . ☎ 622990
Fax (09123) 185 155

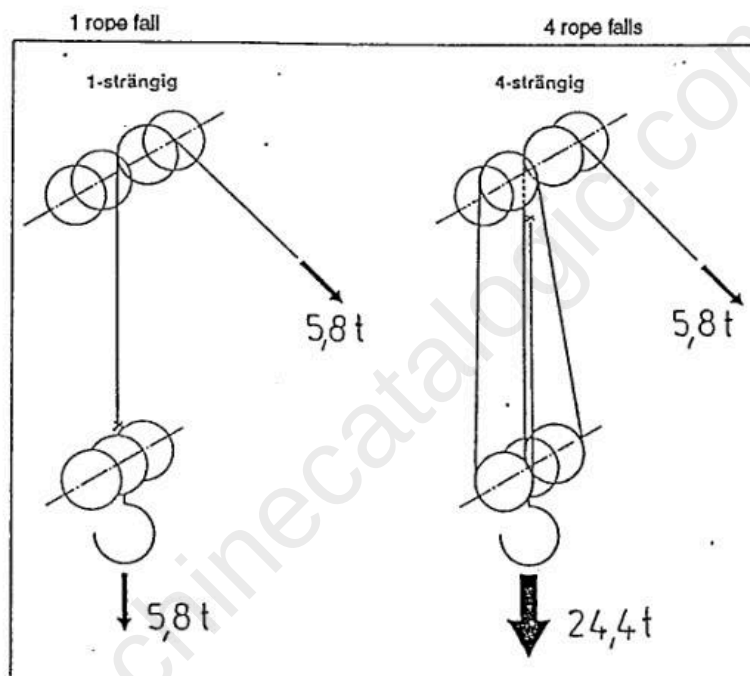
2.3 Counterweight

The ratings of the counterweight are determined by the working radius required for the crane work in question, and by the weight of the load to be lifted. The counterweight has to be mounted to the crane in accordance with the counterweight data specified in the load chart which is required for the work in question.

DANGER: If the crane is not equipped with the counterweight specified in the load chart, there is a risk of overturning (risk of accidents).

2.4 Hoist winch and reeving of the lifting rope

The lifting capacity of a crane depends on the traction force of the hoist winch and on the selected number of rope falls. When the work is effected with "direct" rope arrangement (= 1 rope fall), the crane can only lift the weight which can be pulled by the hoist winch.



If the load to be lifted exceeds the traction force of the hoist winch, the lifting rope must be reeved between the rope pulleys in the boom head and the pulleys in the bottom block as many times as necessary, according to the principle of lifting tackles.

For rope reeving, please observe the "Notes referring to the load charts" and the specifications of the Operating Manual.

DANGER: If the maximum admissible traction force of the hoist winch is exceeded, there is an increased risk of accidents as the lifting rope may break, or as the planetary gear or the hydraulic motor of the hoist winch may be damaged.

NOTE: According to the revised and completed edition of the Accident Prevention Provisions *) "VBG 8, Winches, hoisting equipment and tractors", the portion of the theoretical service life of the winch, which has been consumed yearly, must be determined. If the theoretical service life of the winch has elapsed, a general overhaul of the winch is necessary. After 10 years, a general overhaul of the winch must be effected in any case (refer also to chapter D.1 "Crane Testing Instructions").

*) please see British Standard

6.9 Air condition *)**6.9.1 Provisions for safety**

Due to the increasing environmental pollution caused by fluorine compounds (destruction of the ozone layer), handling of refrigerants which contain substances such as R 134a requires particular precautions.

During maintenance works, it is necessary, apart from complying with the generally known legal safety provisions, to prevent these substances from escaping into the atmosphere. This applies in particular to drainage of a closed circuit or other repair works.

Such works may only be effected by persons who have a sufficient knowledge in this field.

Avoid any contact with liquid refrigerants.

Before repairs are effected at the air condition, the system must be drained (evacuated).

Gaseous refrigerant must not be allowed to escape.

No parts of the system must be cleansed with superheated steam.

Only nitrogen, the refrigerant R134a, may be used.

No welding works must be effected on the closed system ("risk of explosion").

Refrigerant cylinders must not be thrown, nor be exposed to the sun for an extended period of time, when filled (max. admissible temperature: 45°C).

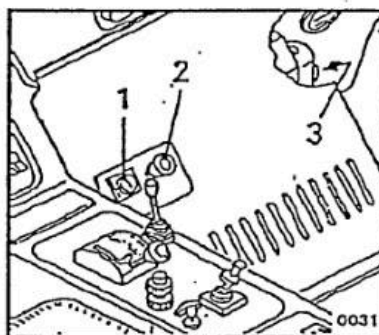
Moreover, the legal provisions of the country where the machine is operated, must be observed.

6.9.2 Starting-up the air condition

The air condition can only be operated when the vehicle's engine is running. Before shutting-off the engine, the air condition must be switched off.

- Start the engine.
- Switch the air condition ON by actuating the push-button switch (1).
- Turn three-stage switch (2) to stage 1, 2 or 3, according to the amount of cooled air desired.

To switch the air condition OFF, actuate the push-button switch (1) once more.

**NOTE**

The three-stage switch (2) is also used for the heating and ventilation blower fan when the air condition is switched off.

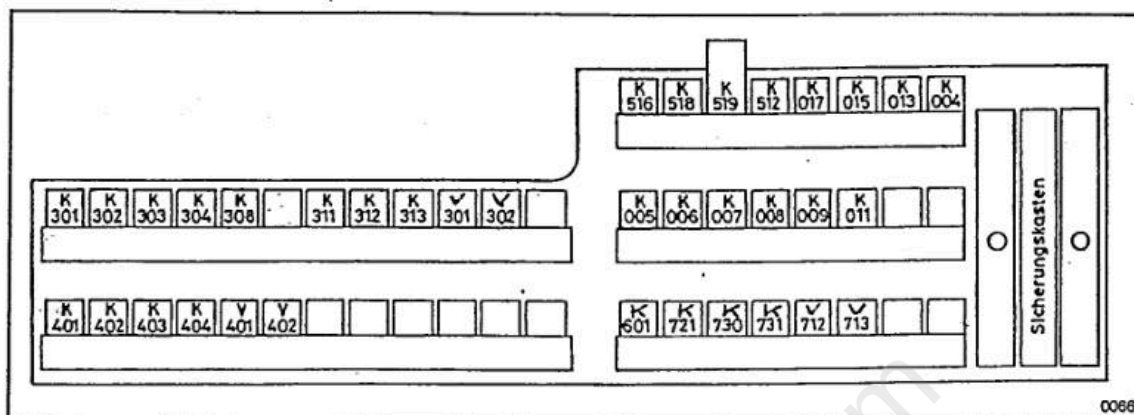
6.9.3 Inspection of the air condition system during operation, for proper function and leakages

When the system is switched ON, the fluid level can be checked at the inspection glass (3) of the fluid tank. If the white ball floats in the inspection glass, the refrigerant level is correct; if the ball has sunk down, the refrigerant level is too low and must be corrected in a specialized workshop. If air bubbles are visible in the inspection glass, there are leakages in the system, which must be checked or repaired in a specialized workshop.

*) Optional equipment

9.6 Relay arrangement in the chassis

The relay plates are installed in the chassis, underneath the front cover.



9.6.1 Electronic system of gearbox

Relays

K301-304	Change over "chassis - superstructure" from operator's post
K308	Lock-up clutch
K311	Start, gearbox in "neutral"
K312	Back-up light

K313	Gearbox in "neutral"
------	----------------------

Diodes

V301	Rear axle steering "engaged"
V302	Back-up light

9.6.2 Electrical system of suspension

Relays

K401	Crane directed "to the rear"
K402	Change-over proximity switch, axle locking assembly
K403	Axle locking assembly, front axles "engaged"
K404	Axle locking assembly, rear axles "engaged"

Diodes

V401	De-pressurized circulation
V402	Axle oscillation assembly

9.6.3 Electronic system of steering

(refer also to distributor box K513-515 and V505-506)

Relays

K512	Rear axles in "floating" position
K516	Rear axles locked
K518	Gearbox control
K519	Pulse generator, pilot lamp; rear axles unlocked

9.6.4 Electrical equipment of vehicle, in general

Relays

K004	Alternator D+
K005	Electric horn
K006	Foglight
K007	High-beam light, headlamp flasher
K008	Rear foglight
K009	Hazard warning flashers
K011	Current relay, flashing beacon
K013	Battery main switch
K015	Eddy current brake
K017	Air condition **)
K601	Outriggers
K721	Central warning Superstructure
K730-K731	Illumination, superstructure

Diodes

V712	Central warning, brake, superstruct.
V713	Central warning, superstructure

K = Relays, V = Diodes, VA = front axle, HA = rear axle, UW = chassis, OW = superstructure (key to abbreviations sometimes used in drawings)

**) Optional equipment

Electric circuit diagram - Eddy-current brake

99707735372

Masseleitungen braun = Mass cables: brown
Nicht angegebene Leitungsquerschnitte 1,5 [l] =
Cable cross sections, unless otherwise specified: 1.5 [l]

Unterwagen - Chassis

K015	Relay, generator
H025	Pilot lamp, eddy-current brake
Y010	Solenoid valve, accelerator lock
S020	Hand-actuated switch
A006	Engine speed control unit, speed $\approx$ 3 km.p.h.
K016	Relay box
L001	Eddy-current brake

U = Electric circuit diagram, chassis

(9) Button "Buzzer off"

Press this button to temporarily interrupt the audible alarm.

The audible alarm sounds in the following cases:

System test, overload, imminent hoist end situation (if A2B switch function is registered by the LMI system, malfunction of the LMI as well as recognized operator's errors.

(10)-(13) without function (evtl. existing symbol without signification)

(14) Numerical keypad

The numerical keys are used for the following inputs:

- Input of the operating mode code (see chapter 4.1)
- Enter the number of reevings (see chapter 4.2)
- Call the geometry data

During the crane operation it is possible to display certain geometry data such as length, angle, etc. on the *data display* (1) in the field geometry data **D** (please refer to chapter 3.4):

Procedure on how to select geometry data:

- Note the number(s) according to the assignment in the *crane symbol* (E) of the *data display* (1) or the table
- Enter digit(s) on the *numerical keypad* (14). Entered digits are shown in the *text display* (N)
- Press "C" (15) to confirm the input. The respective arrow in the *crane symbol* (E) blinks.

Full Version Available

Tadano ATF 70-4 All Terrain Crane Operator Manual

Tadano ATF 70-4 all terrain crane operator manual covering controls, safe operation, setup, and daily checks and care. Instant PDF download.

VIEW THE FULL MANUAL

<https://machinecatalogic.com/tadano-atf-70-4-all-terrain-crane-operator-manual/>

File Pages: 1,865 · File Count: 6 · File Language: English, German