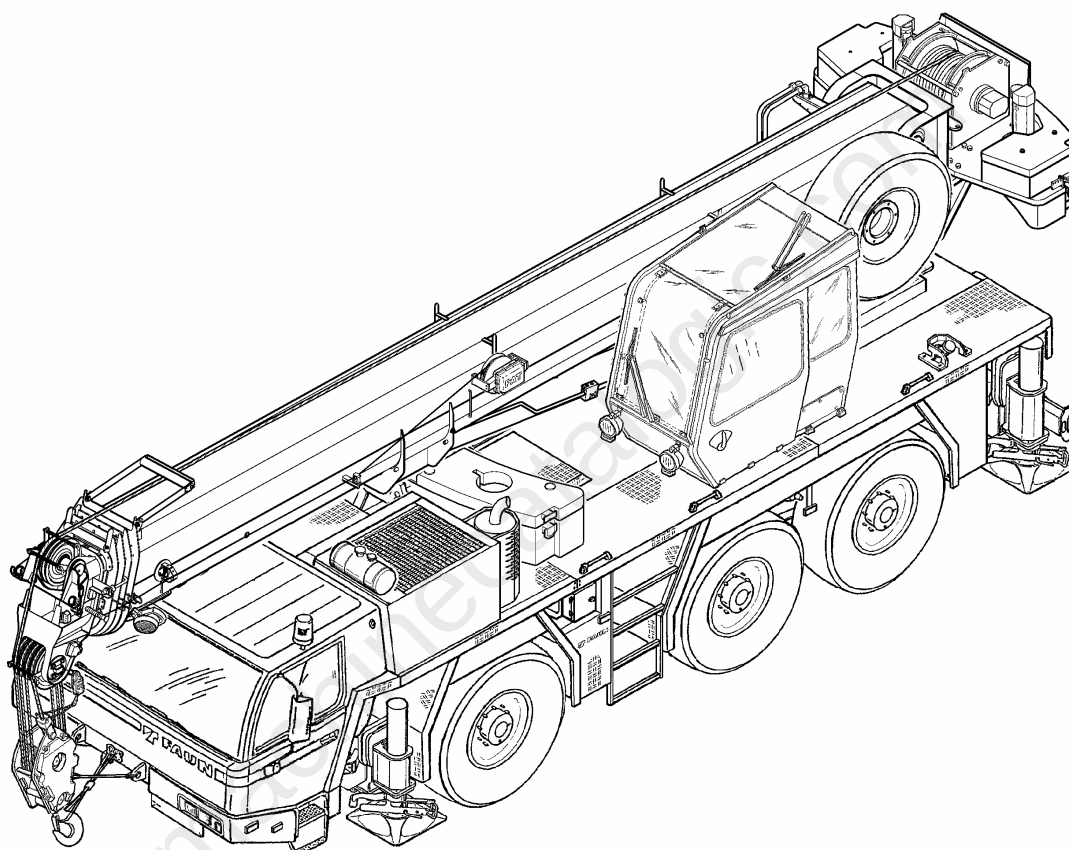




Operating, Service and Maintenance Manual

ATF 500XL - 1



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Attention

Read this manual before operating. Keep this manual in the crane carrier cab for future reference.

Vehicle identification no: WFN3 RTT P8 440406XX

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6 Preparations in the chassis for crane operation

6.1 Lowering the vehicle and locking the axle suspension.

Attention Prior to crane operation, make sure that the axle suspension is locked and that the vehicle is lowered, if necessary.

DANGER If the axle lock indicator lamp does not go on, this may indicate a deficiency within the locking system.

The axle suspension must be locked:

- in the case of an inclination adjustment (item 4.7.1);
- before lowering the vehicle (item 4.7.3.1);
- before outrigger operation (item 6).
- for driving with load, boom directed to the rear, or for work free on wheels with load, boom directed to the rear (item B2-7).

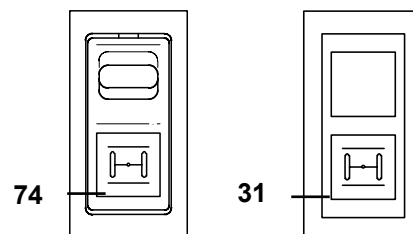
When the suspension is locked, the axle load compensation between the one front axles and the two rear axles, respectively, is maintained. The front axle oscillation is only operative when the lock pin is inserted (boom over-rear) e.g. when "driving with a load directed to the rear".

NOTE If the lock pin is not inserted, the front axle oscillation effect remains switched OFF. In uneven terrain, should a front wheel spin, the front axle oscillation can be engaged via the rocker tip switch 74 "axle oscillation".

6.1.1 Locking the axle suspension

- Switch the ignition ON.
- The axle suspension must be blocked by actuation of the rocker switch 74 "axle locking assembly" (Unlock switch and push it down).

The pilot lamp "axle locking assembly" 31 goes on.



DANGER If the pilot lamp 31 does not go on, this may indicate a deficiency within the locking system.

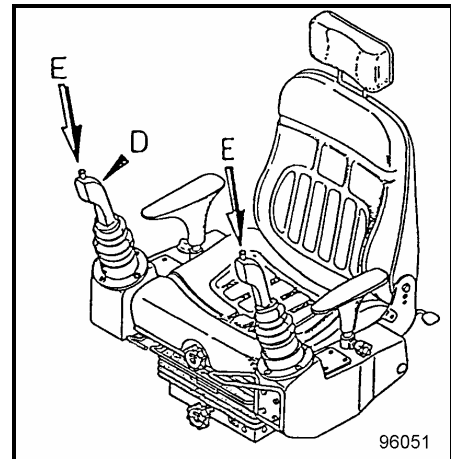
6.1.1 Fast speed control (E)

By actuation of the push-button "E" in both crane control levers, the high speed can be connected for the crane movements "hoisting up/down" and boom elevation "up".

Attention

Only two working movements are possible at a time when the fast speed is connected, i.e.

- Slewing gear and winch, or
- Slewing gear and tele sections, or
- Slewing gear and boom elevation

**NOTE**

To avoid control pressure peaks, the fast speed must be connected before the crane control levers are actuated.

6.1.2 Rope winch rotation indicator (D)

The integrated rotation indicator informs the crane operator about each motion of the rope drum. When the right-hand control lever is actuated in the position "hoisting up/down", the pulse generator installed in the handle vibrates as soon as the rope drum moves. The pulses are also indicated acoustically.

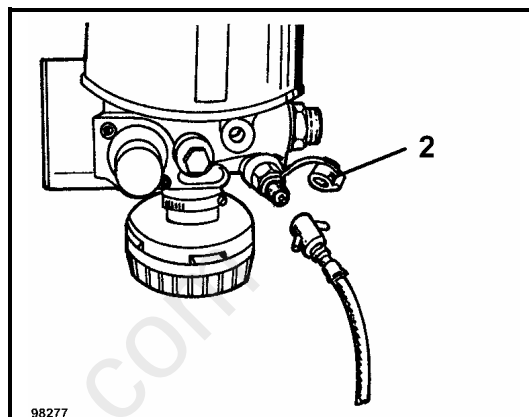
10.3 Pressure governor with tire inflator socket (integrated in the air drier)

10.3.1 Inflating tires via the tire inflator socket at the pressure governor

NOTE In order to avoid damage to the air compressor, it may be used to fill only the tires mounted to the vehicle with compressed air. Other work, such as painting by means of a spray gun, is prohibited.

- Start the engine.
- Remove the valve cap (2).
- Fasten the tire inflator socket onto the valve.
- Fill tires to the specified pressure (for tire pressure, refer to part A, item 2.6.4).

NOTE Check tire pressure at regular intervals.



10.3.2 Setting the pressure governor's switch-off pressure.

Attention This work may only be carried out by well-trained specialists.

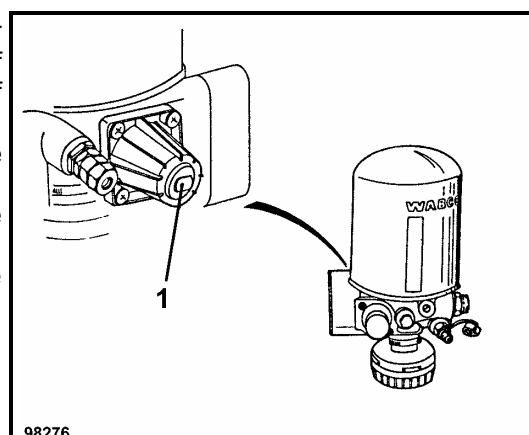
DANGER In order not to prejudice the traffic and operating safety of the vehicle, make sure that adjustment and maintenance work at the entire brake system as described below (also in the wheel brake system) is only performed by well-trained specialized staff in an authorized specialist workshop (brake repair service).

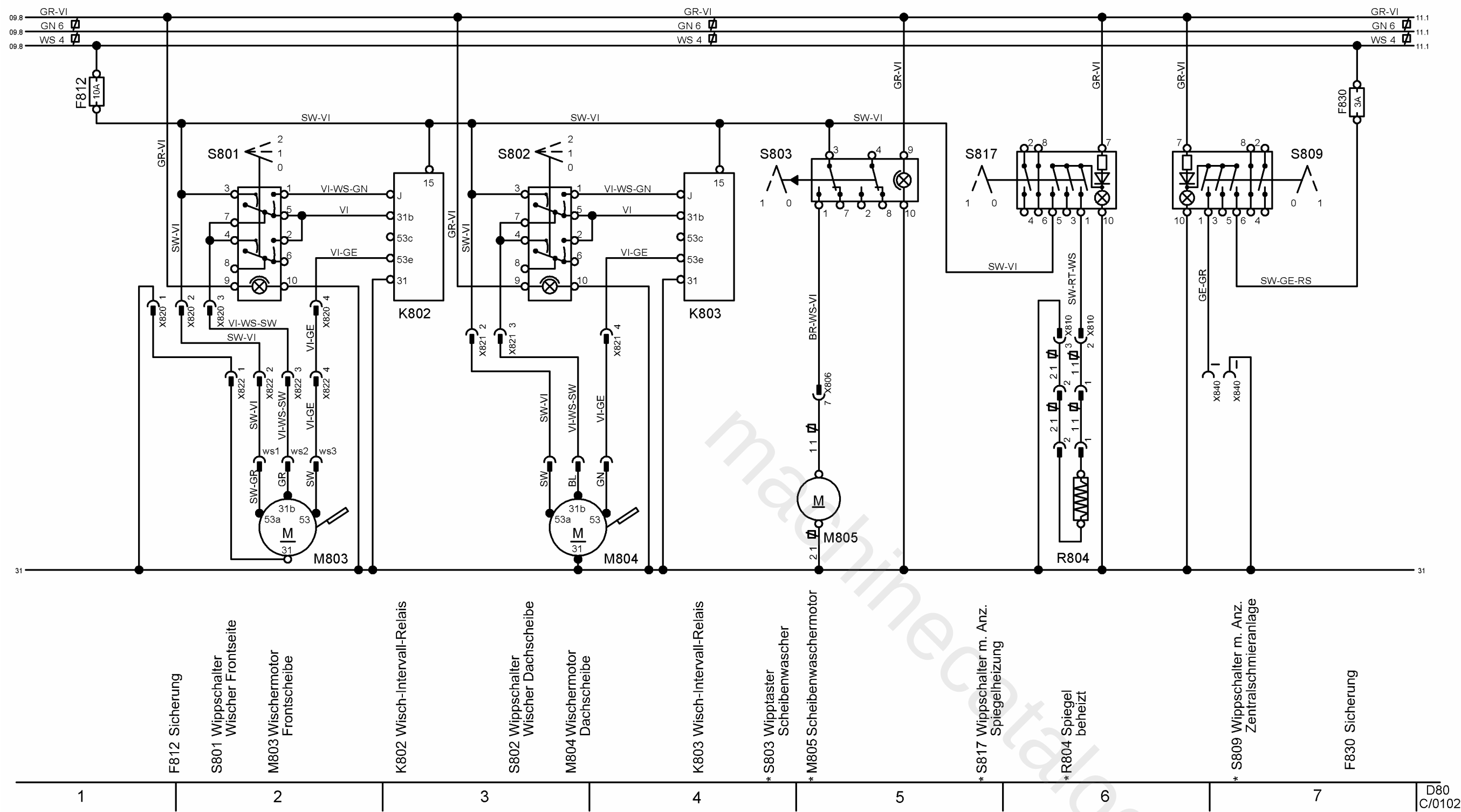
DANGER ANY TIME BEFORE PERFORMING WORK AT THE BRAKE SYSTEM, PLACE WHEEL CHOCKS UNDER THE VEHICLE'S WHEELS TO PREVENT IT FROM ROLLING AWAY.

The pressure governor must be checked visually and for proper working order in the scope of the legal regulations of the country in question (in FRG, according to § 29 StVZO). If deficiencies are detected, the unit must be removed and checked for proper function of its internal components, or be replaced.

After an extended period of operation, a deviation from the specified switch-off pressure may occur.

- When the engine is running, turn the setscrew (1) until the specified switch-off pressure is reached.





Cable colours			
BG	beige	RS	pink
BL	blue	RT	red
BR	brown	SW	black
GE	yellow	TR	transpa.
GN	green	VI	violet
GR	grey	WS	white
OR	orange		

Attention to protection mark according to DIN 34.
* = Optional equipment

Ground cables: brown
Cable cross sections, unless otherwise specified: 0.06 in
(1.5 mm²)

2 Operation

Some deviations from the operating processes are permitted depending on the manufacturer and vehicle type.
Therefore, also consult the vehicle manufacturer's operating manual.



DANGER !

The driver must not leave the vehicle when the engine is running and a gear is selected.

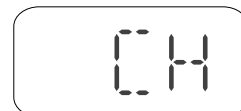
2.1 Starting the engine

- ⇒ Engage parking brake.
- ⇒ Rotary switch is pointing to «N» (transmission in neutral setting).



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- ⇒ Switch on "ignition".

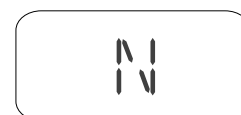


008 010

- ⇒ Self-check of shift system («CH»display).

- ⇒ Start the engine.

- ⇒ Self-check is complete. «N» appears on the display, transmission is in neutral setting.



008 011

NOTE

Gear shifts are not possible when the engine is at a standstill.

Full Version Available

Tadano ATF 500XL-1 All Terrain Crane Operator Manual

Tadano ATF 500XL-1 all terrain crane operator manual covering controls, safe operation, setup and care. Searchable 2-file PDF set. Instant PDF download.

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