

TADANO

Publication no. ATF-1300XL- (U) -1D

Operation and Maintenance Manual

Crane Carrier**Model****ATF-1300XL**

Applicable Serial No. 90~

[!] CAUTION: Read this manual before operating. Keep this manual in the crane carrier cab for future reference.

Tadano Ltd.

Drainage valves in the compressed air tanks

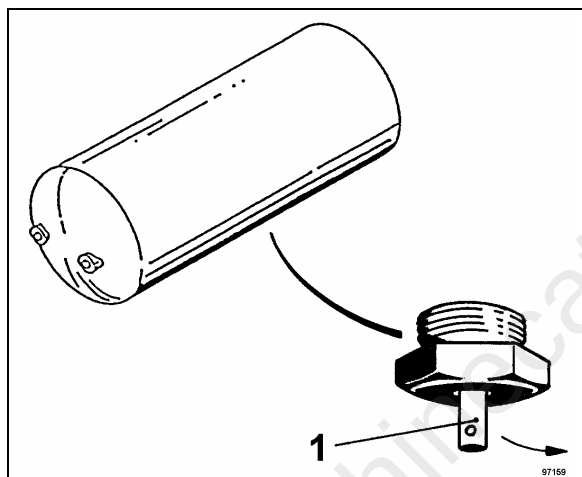
[NOTICE]

◆ A leaky compressed air system affects the operating time of the air compressor and the efficiency of the air drier.

- Pull or push the actuator bolt (toggle valve 1) to check carefully whether condensed water is blown off.

Make sure that no condensed water is blown off.

- If condensed water is found to be blown off, check the air drier (filter element) for proper working order, and the compressed air system for leakage.



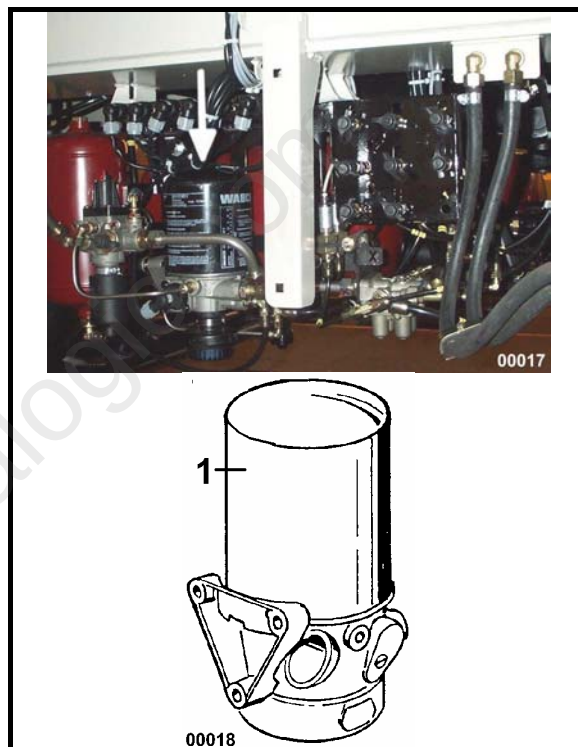
Air drier

Functional check of the air drier

- Actuate the drainage valves as described above.
- If no condensed water is blown off, the desiccant cartridge of the air drier may only be replaced when condensed water escapes several times successively during the regular inspections of the drainage valves as specified in the maintenance schedule.

Replacement of the desiccant cartridge of the air drier

- The desiccant cartridge may only be replaced during the pressure governor's switch-off phase.
- Unscrew the desiccant cartridge (1).
- Fasten the new cartridge.
- Check the packing ring and tighten the cartridge with 20 ft.-lb (approx. 15 Nm).



Electric circuit diagram - Chassis (cont'd.)

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* Sonderausrüstung = * Optional equipment

Masseleitungen braun = Ground cables: brown

Nicht angegebene Leitungsquerschnitte 1,5 [l] =

Cable cross sections, unless otherwise specified: 1.5 [l]

D018 CAN distribution module, analog

B018 Pressure transmitter, supply, circuit I

B019 Pressure transmitter, supply, circuit II

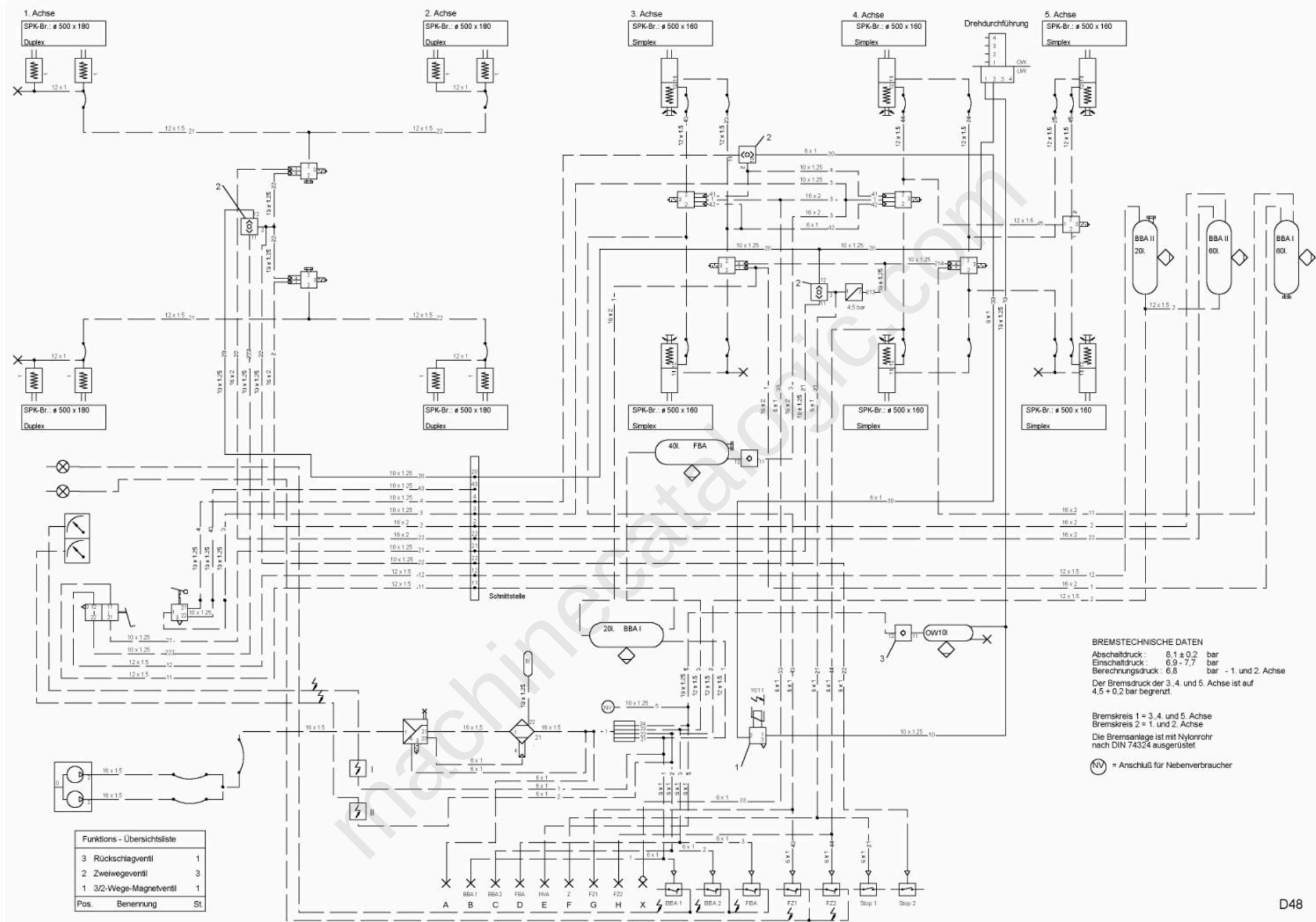
B603 Pressure transmitter, outriggers, rear, left-hand

B604 Pressure transmitter, outriggers, rear, right-hand

S414 Switch, rear axle, left-hand; axle lock

S411 Proximity switch on locking pin, crane over-rear

S415 Switch, rear axle, right-hand, axle lock



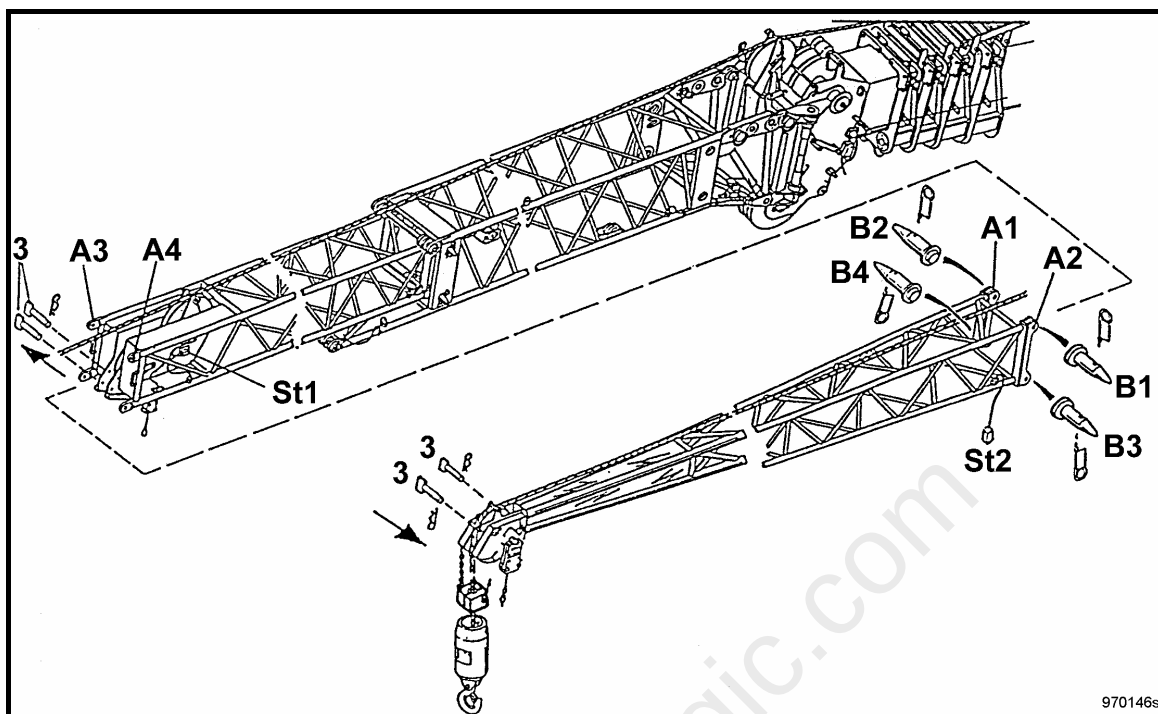
D48

Pneumatikplan

Bremsanlage
Für Oberwagen

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[NOTICE]

◆ Make sure that the pins B1, B2, B3 and B4 are inserted from the inside to the outside, and lock them.

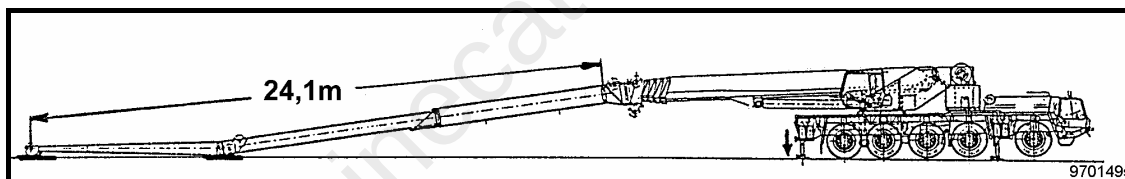


Illustration of the sequence of operations when mounting the 24.6 ft (7.5 m) top jib (max. fly jib length of 80 ft (24.1 m)).

3. Check the spring-loaded cable drum for ease of running, drum pre-tension and correct cable winding.
4. Check the mechanical and the electrical installation of the load cells on the fly jib (if fitted).

WARNING

The checks described below must be carried out carefully in order to prevent damage to the crane and injury to persons. The correct function of the ASLI system depends on successful completion of these checks before work is started. If the crane operator cannot see the hook block while approaching the pulley head, he must instruct an assistant (slinger) to help him. The crane operator must be ready to stop the crane immediately if the ASLI system does not work correctly, that is, if the red warning lamps do not light up, the acoustic alarm does not sound and crane movements, such as hoisting, telescopic extension and lowering cannot be disabled.

Check the hoist *limit switch warning lamp* (6) and the acoustic alarm as follows:

1. Manually lift the weight attached to the hoist limit switch. As soon as the weight is lifted, the acoustic alarm should sound and the *Hoist limit switch warning lamp* (6) should light up.
2. Use the main hoisting gear to pull the hook block slowly against the hoist limit switch weight. As soon as the hook block starts lifting the weight, the acoustic alarm should be actuated, the *hoist limit switch warning lamp* (6) should light up and the main hoisting gear should be switched off. Lower the hook block slightly in order to terminate this state.
3. Lower the main boom slowly using the boom elevation in order to bring about a possible hoist limit state. As soon as the hook block starts lifting the weight, the acoustic alarm should sound, the *hoist limit switch warning lamp* (6) should light up and the boom elevation should be switched off. Lower the hook block slightly in order to terminate this state.
4. Slowly extend the telescopic boom in order to bring about a possible hoist limit state. As soon as the hook block starts lifting the weight, the acoustic alarm should sound, the *hoist limit switch warning lamp* (6) should light up and the telescoping function should be switched off. Lower the hook block slightly in order to terminate this state.

WARNING

If the warning lamp and the acoustic alarm do not function as described, and if the crane movements are not disabled, the system is not working properly. The fault must be eliminated before work is started.

Full Version Available

Tadano ATF 1300XL All Terrain Crane Operator Manual

Tadano ATF 1300XL all terrain crane operator manual covering controls, safe operation, setup, daily checks and care. Instant PDF download.

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