



Operation & Maintenance Manual

NPR20K

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2.12 OPERATION ENVIRONMENT

Temperature:

Operation		-35°C - +55°C
Storage		-40°C - +70°C

Humidity		100% condensing according to IEC 68-2-30, Db
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2.13 COOLING

External cooling..... Contact cooling to metal plate or frame

Isolation 500VAC according to prEN 1175-1

2.14 EMC

Immunity: According to prEN50081-2

Emmission: According to prEN50082-2

CAT

Controller:

Zapi SEM-1

Rev.

5

Program version:

RO 1.78

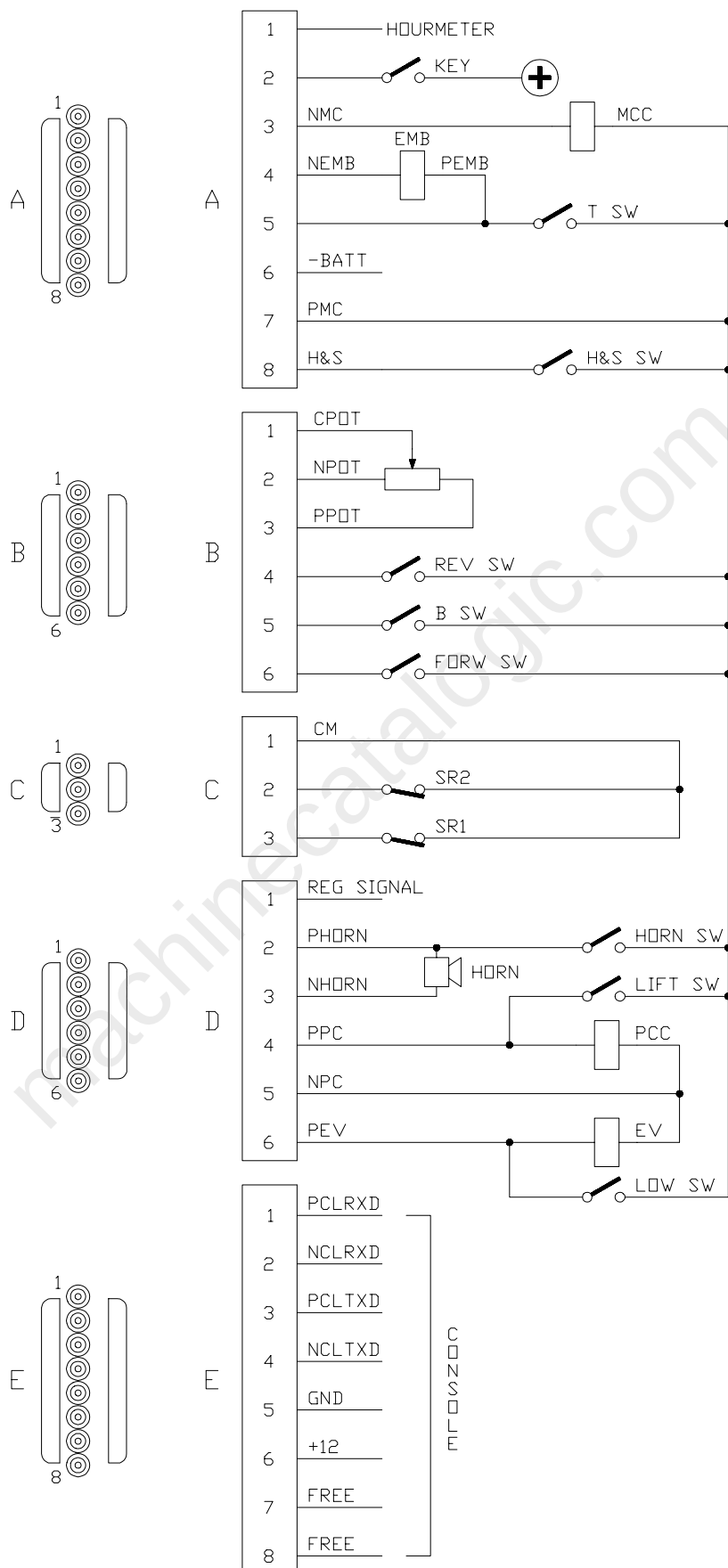
Date

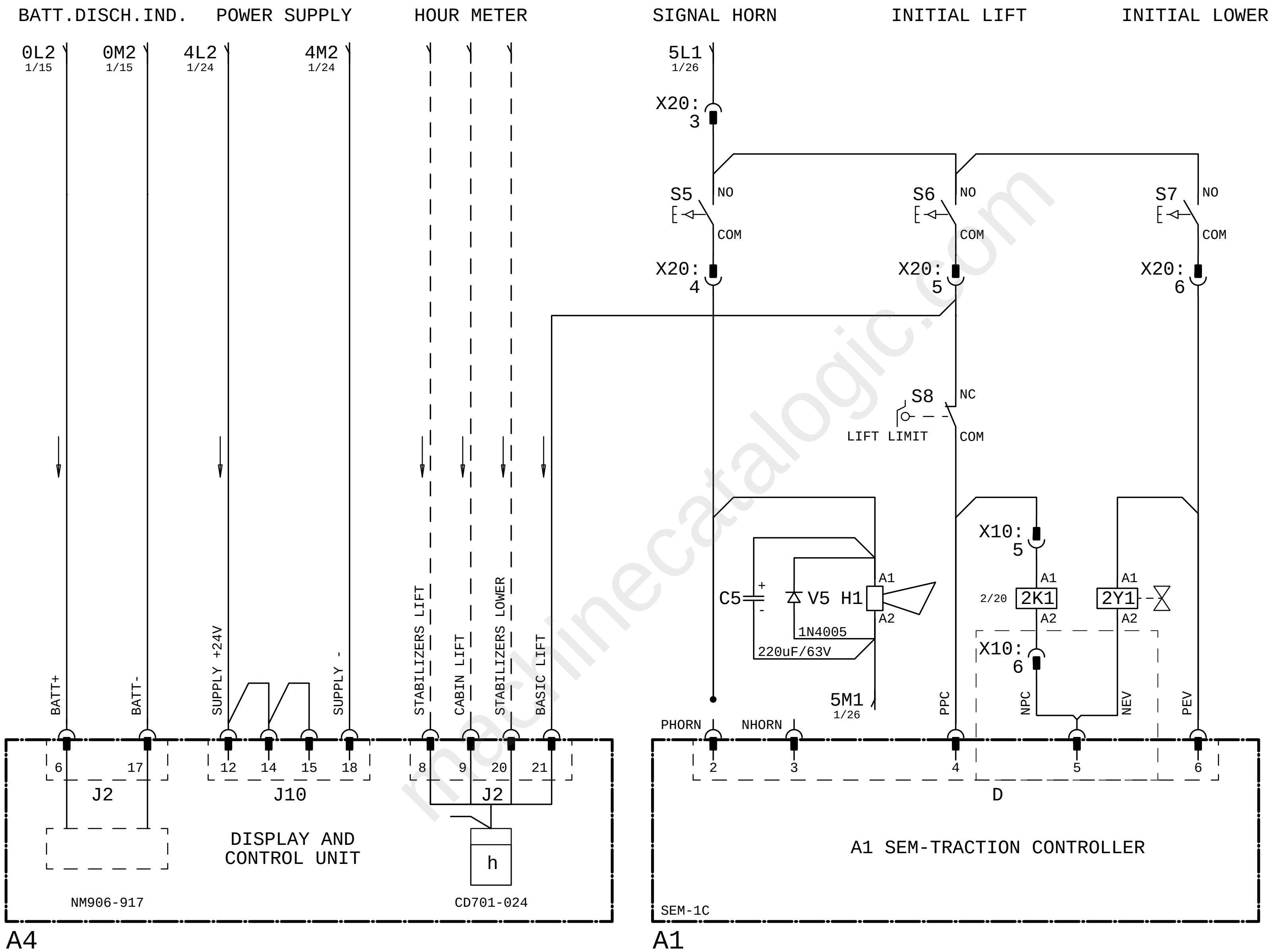
20.12.2002

Zapi's serial number from:

	TRUCK TYPES:											NOTE
	NO20S	NO20SP	NO10SPF	NPR20K								
MAIN MENU/ SEM1 SEM1 SEM1 SEM1												
PARAMETER CHANGE:												
ACCELERATION DELAY	3	3	3	3								
DECELERATION DELAY	5	5	5	5								
RELEASE BRAKING	5	5	5	5								
INVERSE BRAKING	5	5	5	5								
SOFT BRAKING	0	0	0	0								
QUICK INV. BRAKE	5	5	5	5								
SOFT ACCELERATION	0	0	0	0								
CUTBACK SPEED 1	5	5	5	5								
CUTBACK SPEED 2	1	1	1	1								
H&S CUTBACK	0	0	0	0								
MAX. SPEED FORWARD	9	9	9	7								
MAX. SPEED FW FINE	9	9	9	5								
MAX. SPEED BACKWARD	9	9	9	7								
MAX. SPEED BW FINE	9	9	9	5								
COMPENSATION	0	0	0	0								
MAXIMUM CURRENT	5	5	5	5								
ARMA. NOM. CURRENT	0	0	0	0								
WEAK DROPOUT	5	5	5	5								
FIELD NOM. CURRENT	7	7	7	7								
CREEP SPEED	0	0	0	0								
BACKING TIME	9	9	9	9								
BACKING SPEED	6	6	6	6								
AUXILIARY TIME	0	0	0	0								
CONFIG MENU/												
SET OPTIONS:												
HOUR COUNTER	RUN	RUN	RUN	RUN								
QUICK INVERSION	BEL	BEL	BEL	BEL								
AUX OUTPUT #1	BRA	BRA	BRA	BRA								
BATTERY CHECK	ON	ON	ON	ON								
SEAT SWITCH	HAN	HAN	HAN	HAN								
BACKING INPUT	ON	ON	ON	OFF								
INVERSION MODE	NOR	NOR	NOR	NOR								
ADJUSTMENTS:												
ADJUST BATTERY	Ubat	Ubat	Ubat	Ubat								do not change
SET BATTERY TYPE	24V	24V	24V	24V								
SET CONT. TYPE	24V	24V	24V	24V								
THROTTLE 0 ZONE	1	1	1	1								
THROTTLE X POINT	3	3	3	3								
THROTTLE Y POINT	1	1	1	1								
MAIN MENU/ ALARMS/ SPECIAL MENU:												
HARDWARE SETTINGS:												
LOAD HM FROM MDI	OFF	OFF	OFF	OFF								
CHECK UP DONE	OFF	OFF	OFF	OFF								
CHECK UP TYPE	0	0	0	0								
ADJUSTMENT #02	4	4	4	4								
ADJUSTMENT #01	4	4	4	4								
SET CURRENT	300A	300A	300A	300A								
SET FIELD CURRENT	22A	22A	22A	22A								

5.2 CONNECTIONS





DISC

6

17

J2

SUPPLY +24V

12

14

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18

J10

STABILIZERS LIFT

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21

J2

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CD701-024

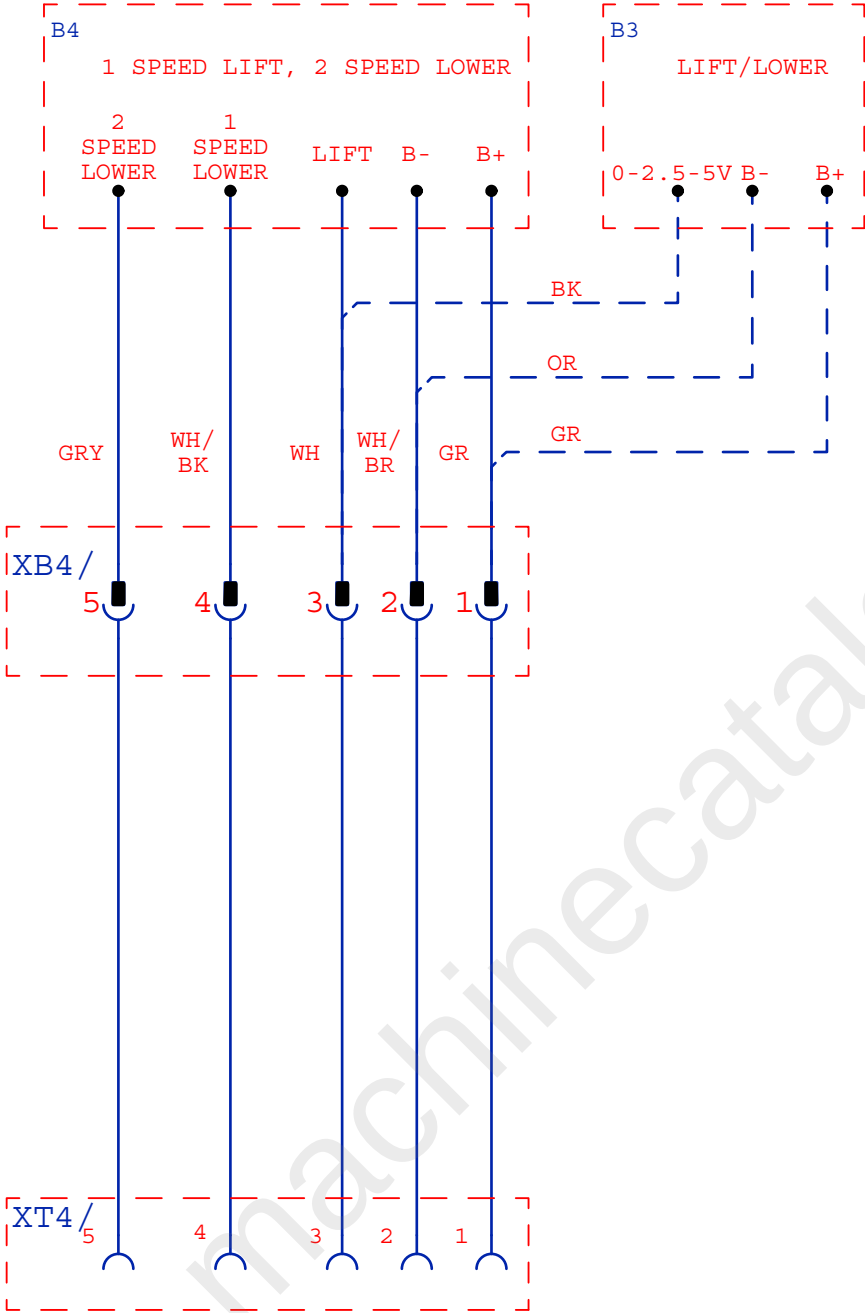
NM906-917

A4

SEM-1C

A1

1 SPEED LIFT / 2 SPEED LOWER
OR
PROPORTIONAL LIFT / LOWER,
NOT BOTH IN SAME TRUCK



2. Safety instructions

Instructions for site supervisor

- Familiarise yourself with the operating instructions and its contents.
- Train the operator on the use, safety, and maintenance aspects of the truck.
- Control that the operating and maintenance instructions, and safety regulations are observed.

Occupational safety

- Keep the truck clean and in good working order. Carry out the daily and weekly maintenance checks in accordance with the maintenance schedule and instructions to avoid faults and operational errors.
- If you notice any faults or deficiencies that may effect the safe operation of the truck, take the truck out of operation until the faults or deficiencies have been remedied.
- Do not repair anything on the truck without permission from the site supervisor.
- In the event of a malfunction, switch off the power and notify the site supervisor.
- When using the truck, you are responsible for both your own safety and the safety of your environment.
- Immediately notify the site supervision of any accidents or injuries. In such a case, leave the truck at the place of the accident.
- The truck can only be used for purposes corresponding with its equipment.

Truck operator

Requirements:

- At least 18 years old
- Sufficient physical (e.g. good hearing and sight) and mental abilities for operating the truck without risks
- Appropriately trained; familiar with operating, safety and maintenance instructions
- Has permission from the site supervision to operate the truck
- Knows and masters the drive and operational features of the truck

Emergency procedures

If the truck falls over, hold onto the steering wheel and warn others. If the machine malfunctions, brake and switch off the power. The truck must not be used again until a person appointed by the work supervisor has repaired the truck.

Noise

The maximum noise level that the driver may be subjected to is 76 dB (A).

Work at dangerous premises

Trucks used for working at premises susceptible to fire or explosion or other hazards must be specially equipped. A standard truck is not suitable for the above-mentioned work. Contact your truck dealer for specially designed and equipped trucks for hazardous conditions.

Repairs and structural modifications

Do not modify the truck without the manufacturer's express permission. Do not add, remove, weld, or bend any parts, as the modifications could affect the operation of the truck and weaken its construction.

Overhead guard and load support

Trucks driven sitting or standing and that are capable of lifting a load higher than 1.8 m must be equipped with an overhead guard. Modifications to the overhead guard that could possibly weaken its structure are not allowed. If it is possible for objects to fall through the openings in the overhead guard, the size of the openings must be reduced.

Trucks used for transporting small objects or unstable loads must be equipped with a load support.

Full Version Available

Caterpillar NPR20K Pallet Truck Operator Manual (WHOMM0007)

Caterpillar NPR20K operator manual, covers controls, safe operation, battery care, and routine maintenance. Searchable PDF download.

VIEW THE FULL MANUAL