



Operation & Maintenance Manual

NSV12K

NSV12KI

NSV16K

NSV16KI

machinecatalogic.com

CAT

Controller:

Program version:

Zapi's serial number from:

NPP / NSP / NSV

Zapi SEM-0

RO 1.76

NPV / NSD

Zapi SEM-1

RO 1.78

Rev.

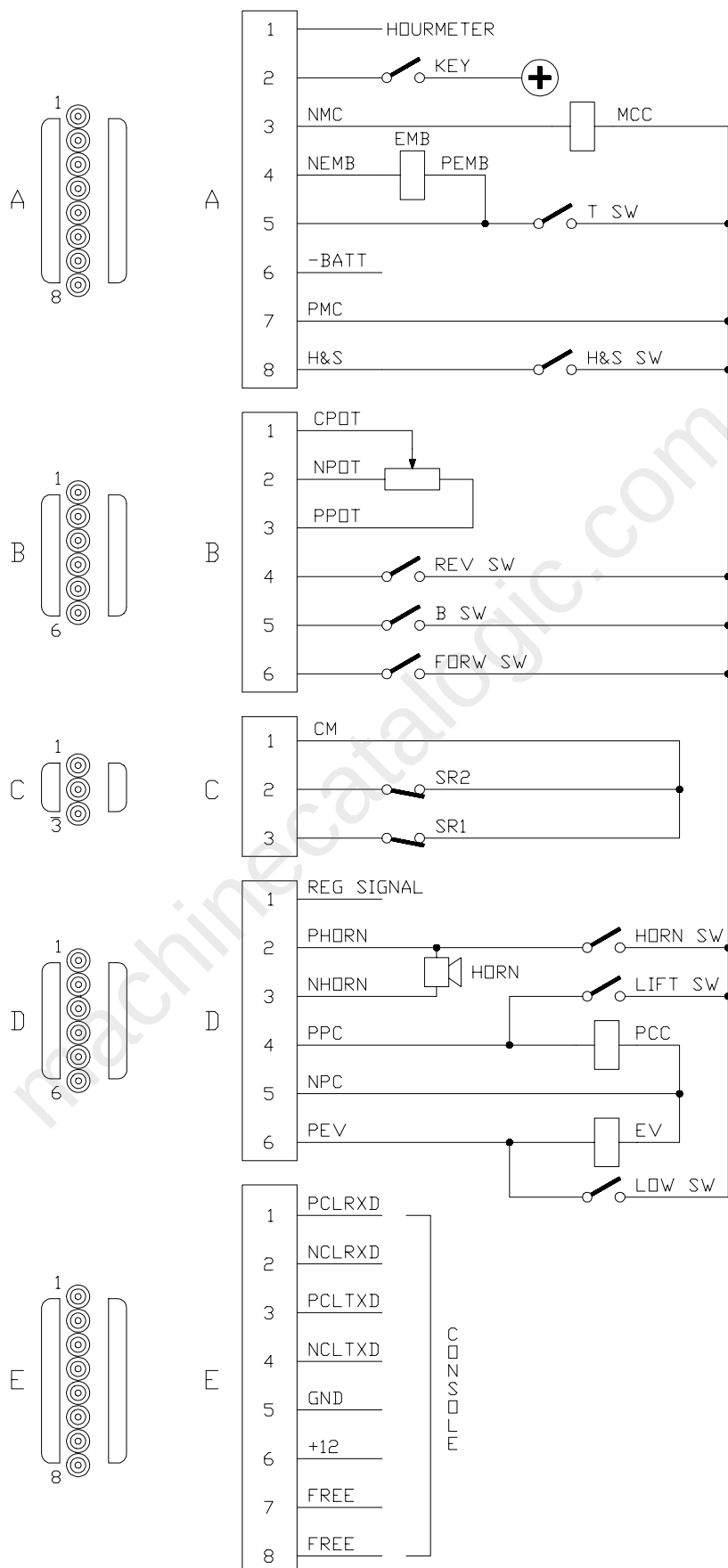
Date

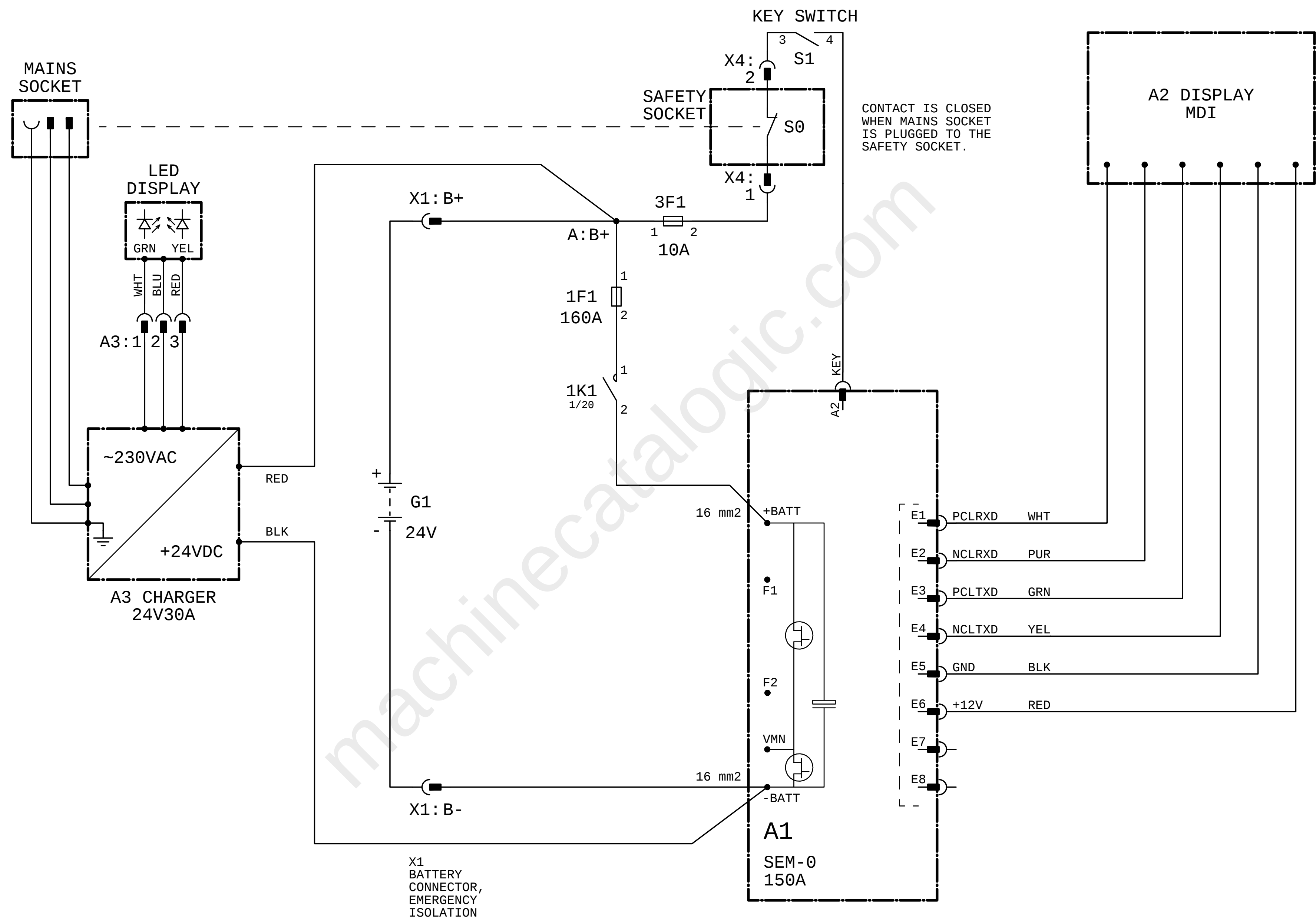
16

27.10.2004

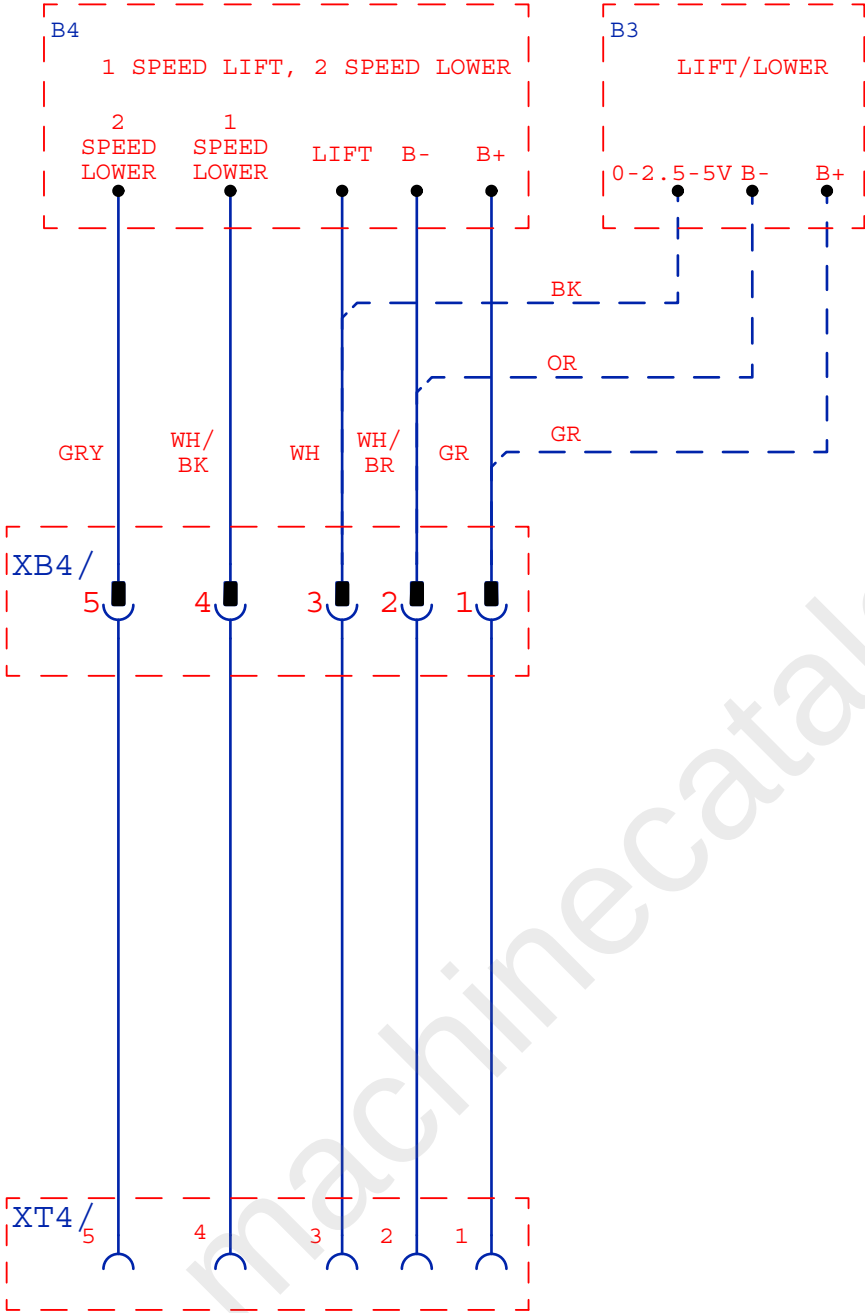
	TRUCK TYPES:											NOTE
	NPP16K/20K	NPP25K	NPV20K	NPV22K	NPV25K	NPV30K	NO20T NO25T	NSP12K/12Ki	NSV12K/12Ki	NSV12K (C)	NSD16K	
MAIN MENU/	SEM0	SEM0	SEM1	SEM1	SEM1	SEM1	SEM1	SEM0	SEM0	SEM1	SEM1	
PARAMETER CHANGE:												
ACCELERATION DELAY	2	2	2	3	2	3	2	2	2	2	2	
DECELERATION DELAY	5	5	5	3	5	6	5	5	5	5	5	
RELEASE BRAKING	1	1	1	1	1	4	1	1	1	1	1	
INVERSE BRAKING	8	8	6	5	6	6	6	8	8	6	6	
SOFT BRAKING	0	0	0	8	0	0	0	0	0	0	0	optional
QUICK INV. BRAKE	5	5	5	5	5	5	5	5	5	5	5	
SOFT ACCELERATION	0	0	0	0	0	0	0	0	0	0	0	optional
CUTBACK SPEED 1	0	0	5	2	4	5	0	0	9	5	5	NPV20K pedestrian mode
CUTBACK SPEED 2	0	0	9	9	8	9	1	0	0	5	9	NPV20K without side guards
H&S CUTBACK	0	0	0	4	0	0	0	0	0	0	0	optional
MAX. SPEED FORWARD	8	6	8	5	3	4	9	8	9	8	8	
MAX. SPEED FW FINE	5	5	6	5	0	2	9	5	9	0	6	
MAX. SPEED BACKWARD	8	6	8	5	3	4	9	8	9	8	8	
MAX. SPEED BW FINE	5	5	6	5	0	2	9	5	9	0	6	
COMPENSATION	0	0	0	0	0	0	0	0	0	0	0	do not change
MAXIMUM CURRENT	5	9	5	5	5	5	5	5	5	5	5	do not change
ARMA. NOM. CURRENT	0	0	0	0	0	0	0	0	0	0	0	do not change
WEAK DROPOUT	1	1	1	1	1	1	1	1	1	1	1	do not change
FIELD NOM. CURRENT	2	2	4	9	2	4	1	2	1	9	3	do not change
CREEP SPEED	0	0	0	0	0	0	0	0	0	0	0	
BACKING TIME	0	0	0	0	0	0	0	0	0	0	0	not used
BACKING SPEED	0	0	0	0	0	0	0	0	0	0	0	not used
AUXILIARY TIME	0	0	0	0	0	0	0	0	0	0	0	not used
CONFIG MENU/												
SET OPTIONS:												
HOURLY COUNTER	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN	do not change
QUICK INVERSION	BEL	BEL	BEL	BEL	BEL	BEL	BEL	BEL	BEL	BEL	BEL	do not change
AUX OUTPUT #1	BRA	BRA	BRA	BRA	BRA	BRA	BRA	BRA	BRA	BRA	BRA	do not change
BATTERY CHECK	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	do not change
SEAT SWITCH	HAN	HAN	HAN	HAN	HAN	HAN	HAN	HAN	HAN	HAN	HAN	do not change
BACKING INPUT	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	not used
INVERSION MODE	NOR	NOR	OP2	NOR	OP2	OP2	OP1	NOR	NOR	OP2	OP1	optional
ADJUSTMENTS:												
ADJUST BATTERY	Ubat	Ubat	Ubat	Ubat	Ubat	Ubat	Ubat	Ubat	Ubat	Ubat	Ubat	do not change
SET BATTERY TYPE	24V	24V	24V	24V	24V	24V	24V	24V	24V	24V	24V	volts
SET CONT. TYPE	24V	24V	24V	24V	24V	24V	24V	24V	24V	24V	24V	volts
THROTTLE 0 ZONE	1	1	1	1	1	1	1	1	1	1	1	
THROTTLE X POINT	3	3	3	3	3	3	3	3	3	3	3	
THROTTLE Y POINT	1	1	1	1	1	1	1	1	1	1	1	
MAIN MENU/ ALARMS/ SPECIAL MENU:												
HARDWARE SETTINGS:												
LOAD HM FROM MDI	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	not used
CHECK UP DONE	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	not used
CHECK UP TYPE	0	0	0	0	0	0	0	0	0	0	0	not used
ADJUSTMENT #02	4	4	4	4	4	4	4	4	4	4	4	do not change
ADJUSTMENT #01	4	4	4	4	4	4	4	4	4	4	4	do not change
SET CURRENT	150A	150A	300A	300A	300A	300A	300A	150A	150A	300A	300A	do not change
SET FIELD CURRENT	14A	14A	22A	22A	22A	22A	22A	14A	14A	22A	22A	do not change

5.2 CONNECTIONS





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 or a load falls over or down on a ramp, release your grip from the tiller and warn people near you. If the truck malfunctions, release the tiller arm to the up position or push it down completely. For instructions on switching off the main power, see Chapter 4. Operating devices.

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 NSV12K Stacker Operator Manual (WHOMM0011)

Caterpillar NSV12K operator manual, covers safe use, stacking, battery care, and controls for Cat stackers. Downloadable PDF format.

[VIEW THE FULL MANUAL](#)