



Operation & Maintenance Manual

NSD16K

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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.

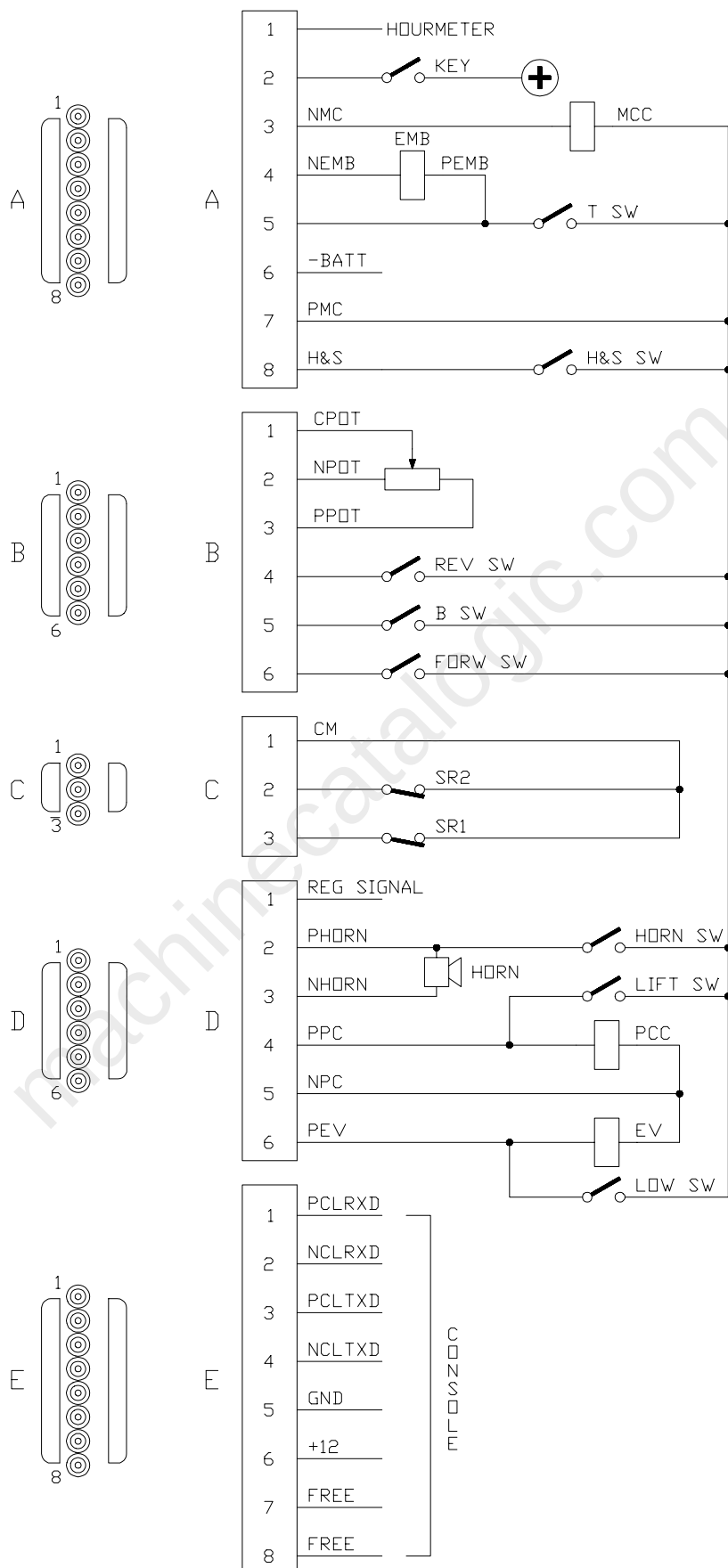
Date

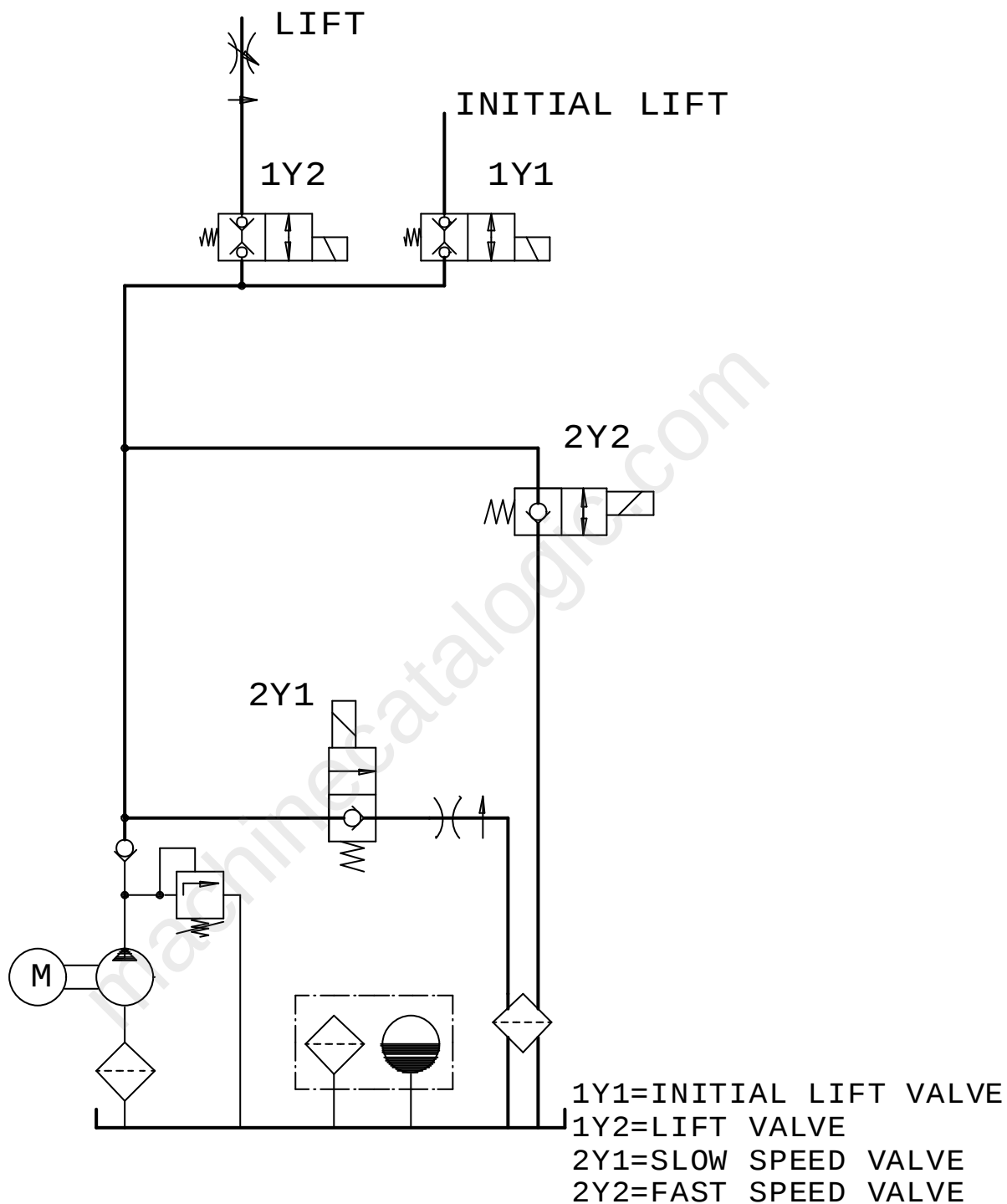
16

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





CAT Lift Trucks

2004-10-24

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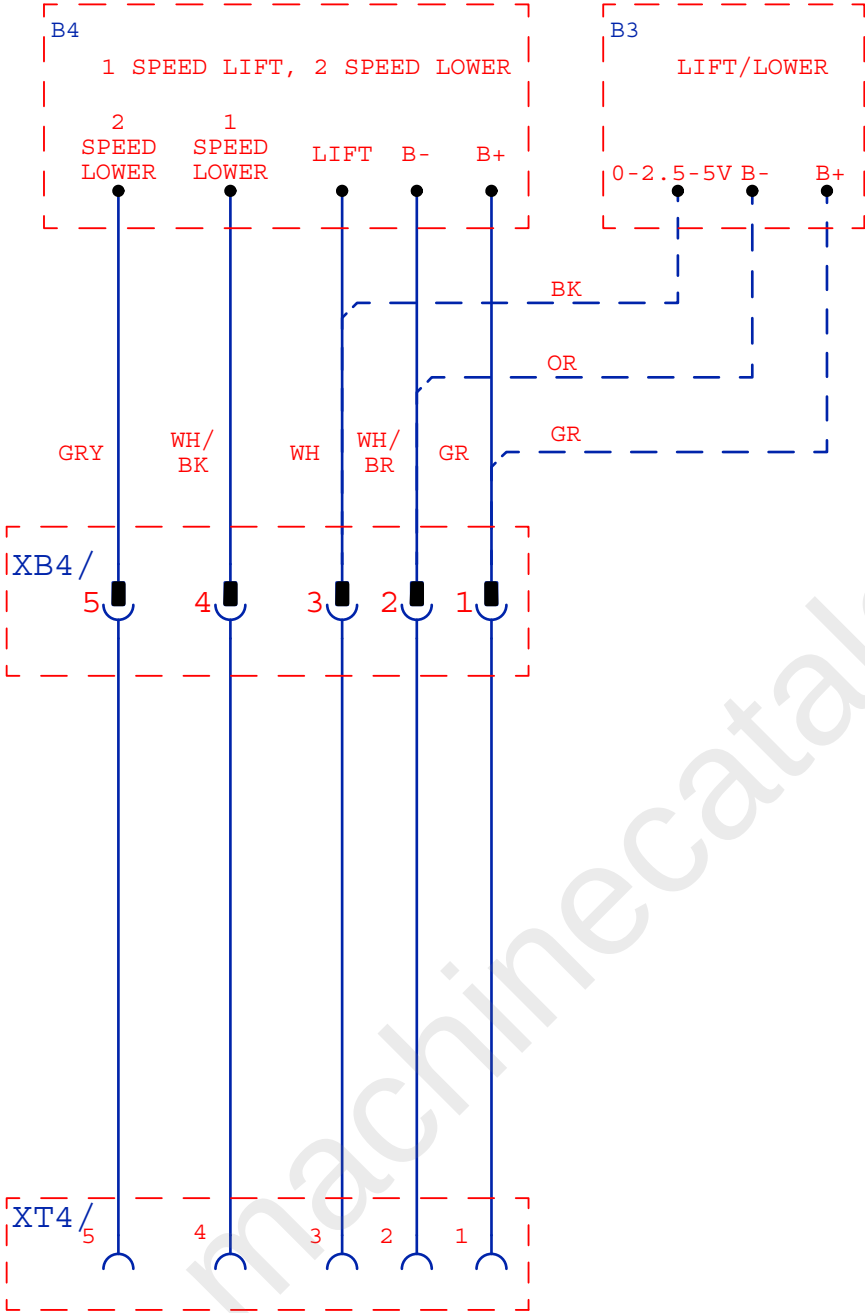


HYDRAULIC DIAGRAM
TH52 1004

TH52 1004



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



NOTE

Higher sound pressure levels may occur during the truck's operation, caused by different method of operation, environmental effects and other sources of noise.

Vibration

The level of vibration to which the driver is subjected ($a_{w,z}$) has been measured as per standard EN 13059:2002. The measured values are listed in *Chapter 11 Technical Information*, section 8.4 in this manual.

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Full Version Available

Caterpillar NSD16K Stacker Operator Manual (WHOMM0013)

Caterpillar NSD16K Stacker operator manual, covers controls, safety, battery care, inspections, and maintenance. Downloadable PDF format.

[VIEW THE FULL MANUAL](#)