



Operation & Maintenance Manual

NO20S

NO20SP

NO10SF

NO10SPF

machinecatalogic.com

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

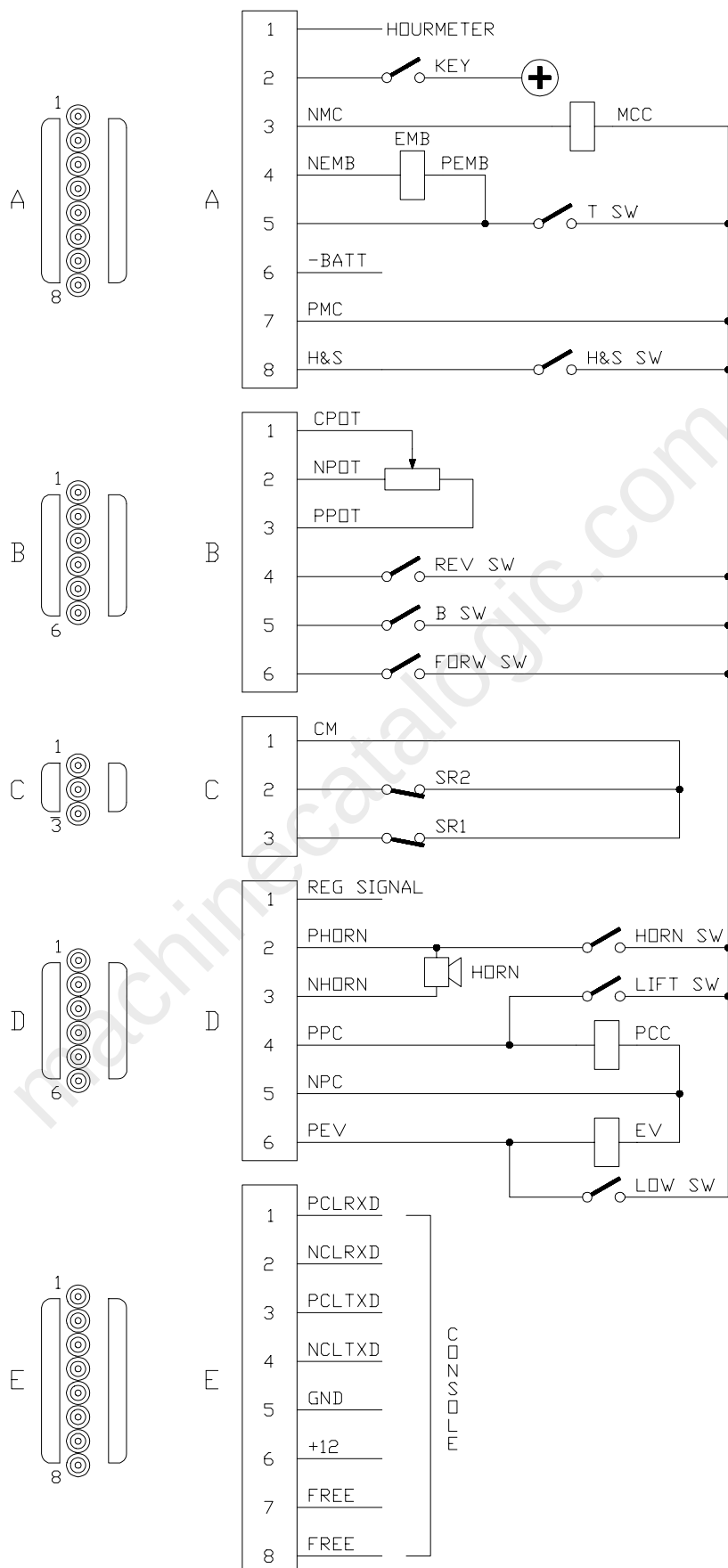
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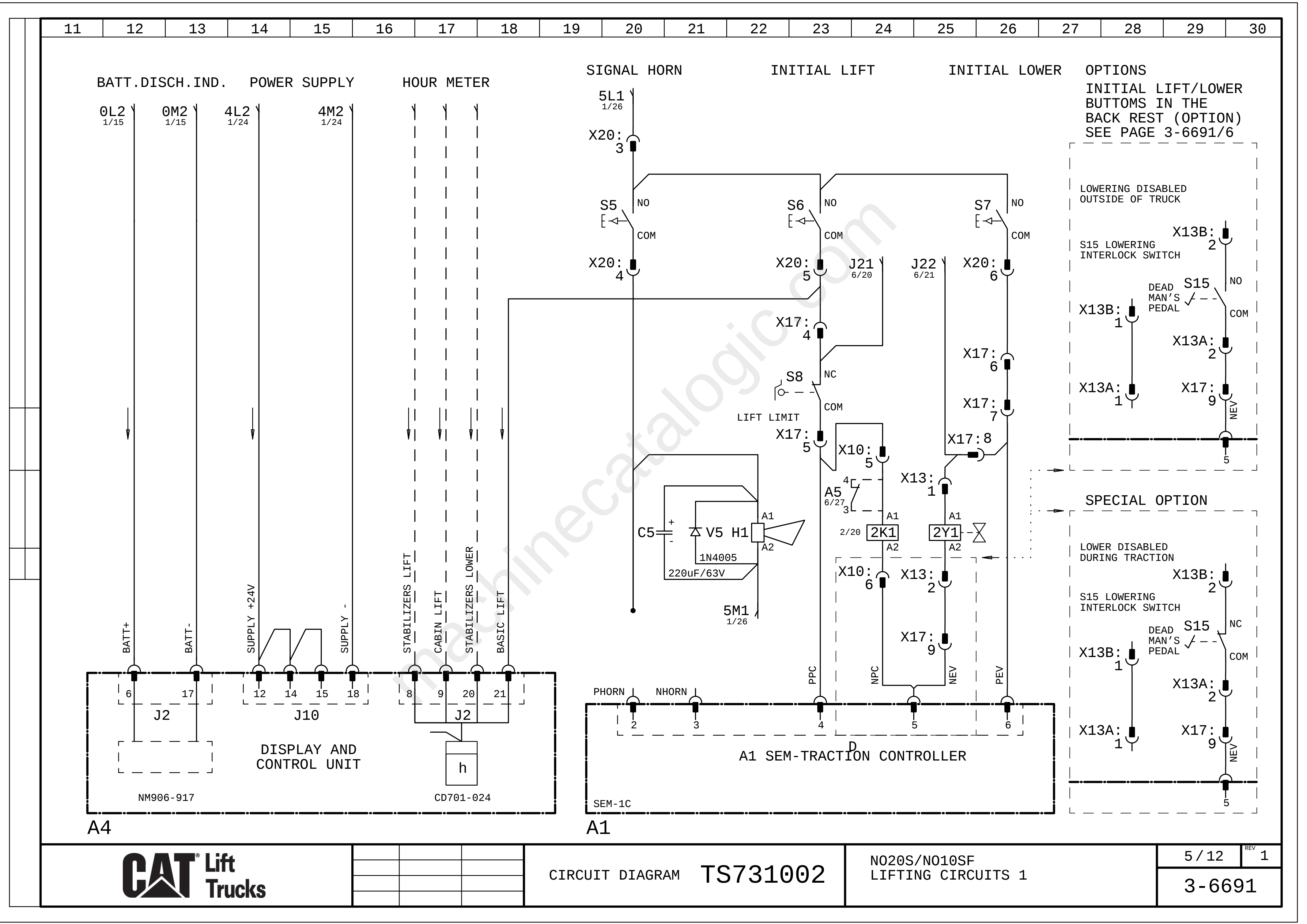
20.12.2002

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





CIRCUIT DIAGRAM

TS731002

N020S/N010SF
LIFTING CIRCUITS 1

Full Version Available

Caterpillar NO20SP Order Picker Operator Manual (WHOMM0021)

Caterpillar NO20SP Order Picker operator manual, covers safety, controls, battery care, and maintenance. Searchable PDF download.

VIEW THE FULL MANUAL