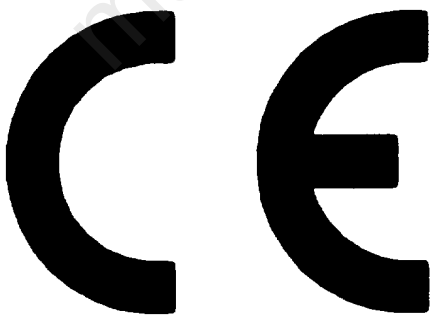


STACKER

Type: _____

Manufacturing year and number: _____



NB:

Please read this manual before operating or performing maintenance on the forklift truck. Following the instructions will improve safety and enable unnecessary danger situations and accidents to be avoided.

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
----------------	--

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

WIRING: Throttle

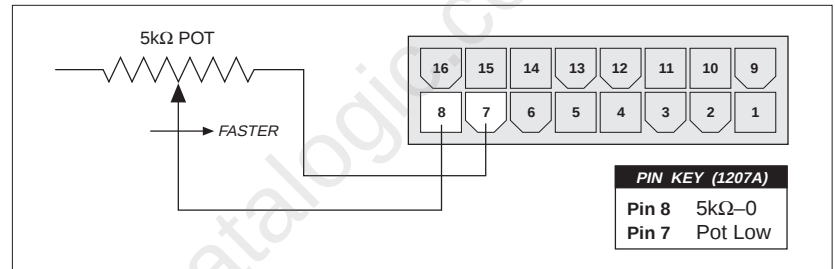
Wiring for various throttles is described below. They are characterized as Type 1, Type 2, and Type 3 throttles in the programming menu of the handheld programmer. NOTE: In the text, throttles are identified by their nominal range and not by their actual active range.

If the throttle you are planning to use is not covered, please contact the Curtis office nearest you.

5k Ω –0 Throttle (“Type 1”)

The 5k Ω –0 throttle (called a “Type 1” throttle in the programming menu of the handheld programmer) is a 2-wire resistive throttle that connects between the

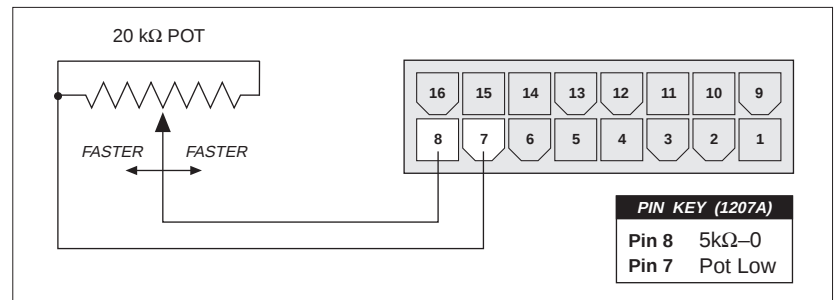
Fig. 5A Wiring for 5k Ω –0 throttle (“Type 1”).



5k Ω –0/0–5k Ω pin (Pin 8) and the Pot Low pin (Pin 7), as shown in Figure 5A. It doesn’t matter which wire goes on which pin. Zero speed corresponds to 5k Ω and full speed corresponds to 0 Ω .

In addition to accommodating the basic 5k Ω –0 throttle, the Type 1 throttle is the easiest with which to implement a wigwag-style throttle. Using a 20k Ω potentiometer wired as shown in Figure 6A, the pot wiper can be set such that the controller has 5k Ω between Pins 7 and 8 when the throttle is in the neutral position (i.e., at the center of the pot). The throttle mechanism can then be designed such that rotating it either forward or back decreases the resistance

Fig. 6A Wiring for 20k Ω potentiometer used as a wigwag-style throttle (“Type 1”).



CAT NS1200R/1500R/2000R

NO: 52-

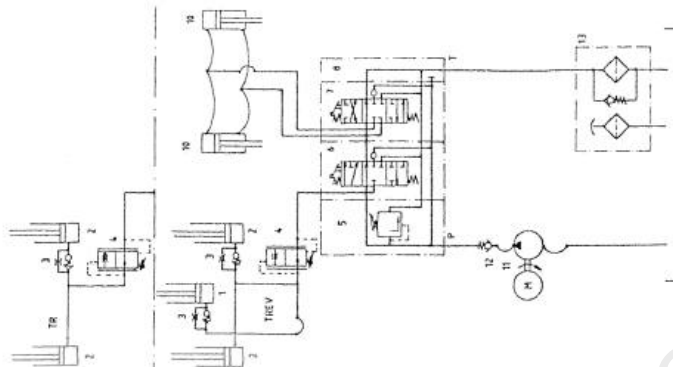
PMC 1207-1104 (PRGM: 00-04)

Date

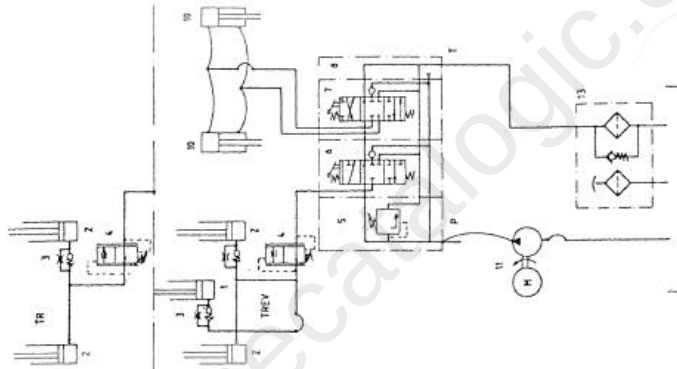
8.2.2002

PARAMETER:	RANGE:	SET:
MAIN C/L	20-250 A	230 A
L/S MAIN C/L	20-250 A	230 A
PLUG C/L	20-250 A	20 A
L/S PLUG C/L	20-250 A	72 A
EMR REV C/L	20-250 A	140 A
LS EMR REV C/L	20-250 A	140 A
RAMP C/L	20-250 A	200 A
L/S RAMP C/L	20-250 A	200 A
ACCEL RATE	0,1-3,0 s	2,0 s
QUICK START	0-6	0
THROTTLE TYPE	1,2,3,4	2
RAMP SHAPE	20-70 %	50 %
CREEP SPEED	0-25 %	10 %
LOW SPEED	40-100 %	100 %
HIGH SPEED	40-100 %	100 %
EMR REV SPEED)	25-100 %	80 %
(EQUENCING DLY	0-3 s	0 s
VARIABLE PLUG	on/off	on
HIGH PEDAL DIS	0,1,2	0
SRO	0,1,2,3	0
ANTI-TIEDOWN	on/off	off

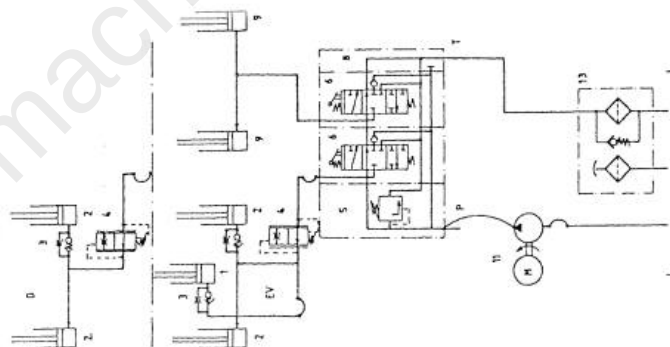
NS2000RTREV, NS2000RTR



NS1500RTREV, NS1500RTR, NS1200RTREV, NS1200RTR
NS1500TREV, NS1500TR, NS1200TREV, NS1200TR



NS1500RPNEV, NS1500RPND, NS1200RPNEV, NS1200RPND
NS1500PNEV, NS1500PND, NS1200PNEV, NS1200PND

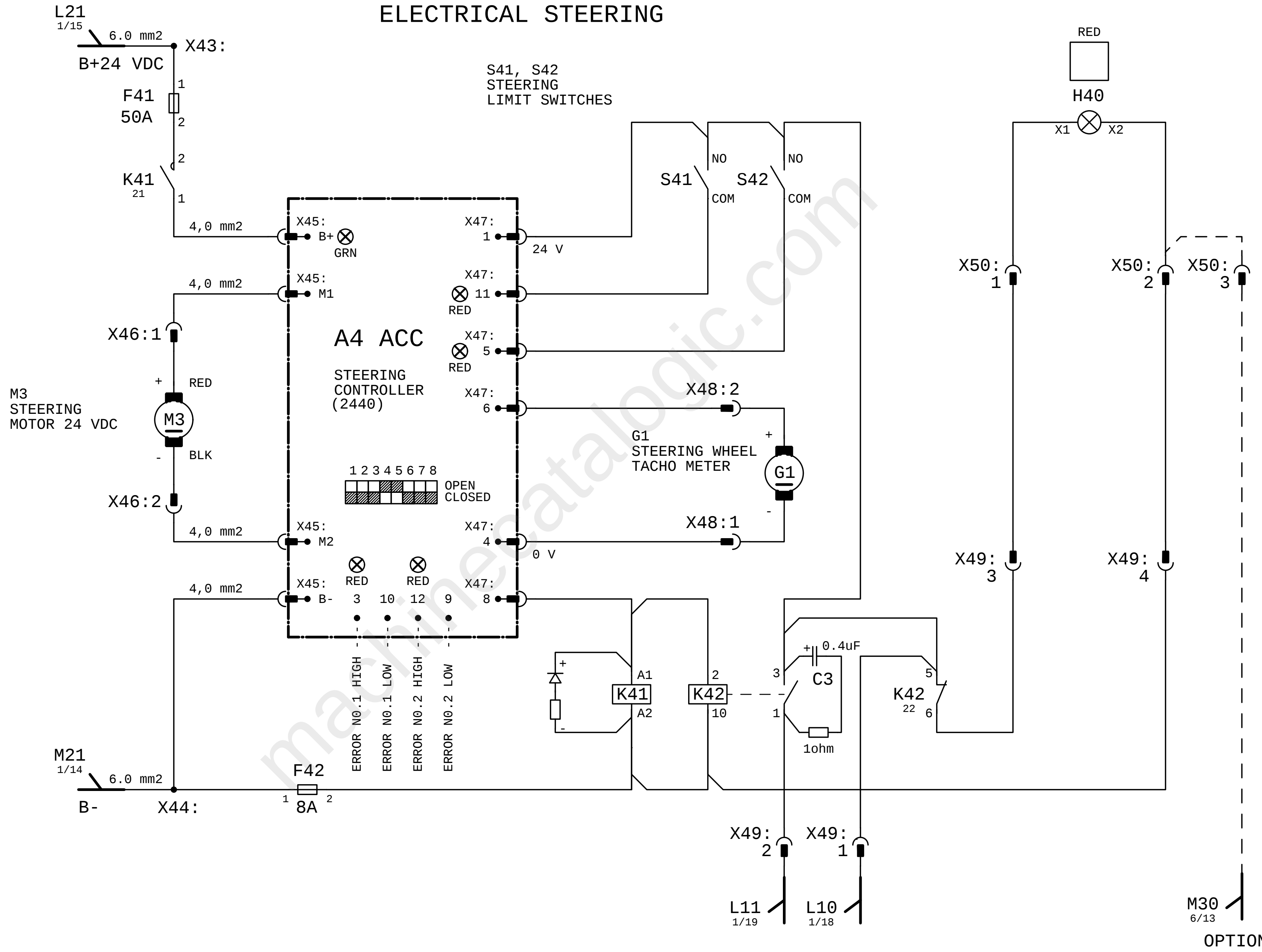


- 1. Central cylinder
- 2. Side cylinder
- 3. Valve
- 4. Valve
- 5. Valve
- 6. Valve segment N

- 7. Valve segment G
- 8. Segment
- 9. Basic lift cylinder
- 10. Stabilizer cylinder
- 11. Pump motor
- 12. Valve
- 13. Filter

NS1200/1500/2000/R
HYDRAULIC DIAGRAM
TH8 090

ELECTRICAL STEERING



CIRCUIT DIAGRAM TS580101

NP2000R/NS1200R/NS1500R/NS2000R
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