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.

5kΩ–0 Throttle ("Type 1")

The 5kΩ–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

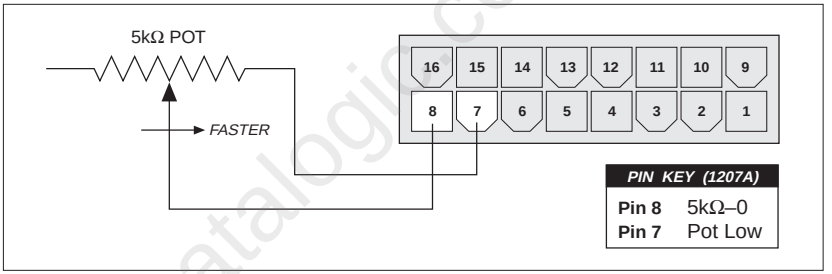


Fig. 5A *Wiring for 5kΩ–0 throttle ("Type 1").*

5kΩ–0/0–5kΩ 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 5kΩ and full speed corresponds to 0Ω.

In addition to accommodating the basic 5kΩ–0 throttle, the Type 1 throttle is the easiest with which to implement a wigwag-style throttle. Using a 20kΩ potentiometer wired as shown in Figure 6A, the pot wiper can be set such that the controller has 5kΩ 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

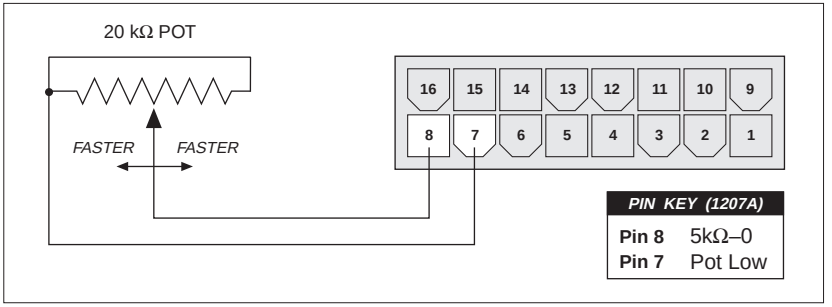
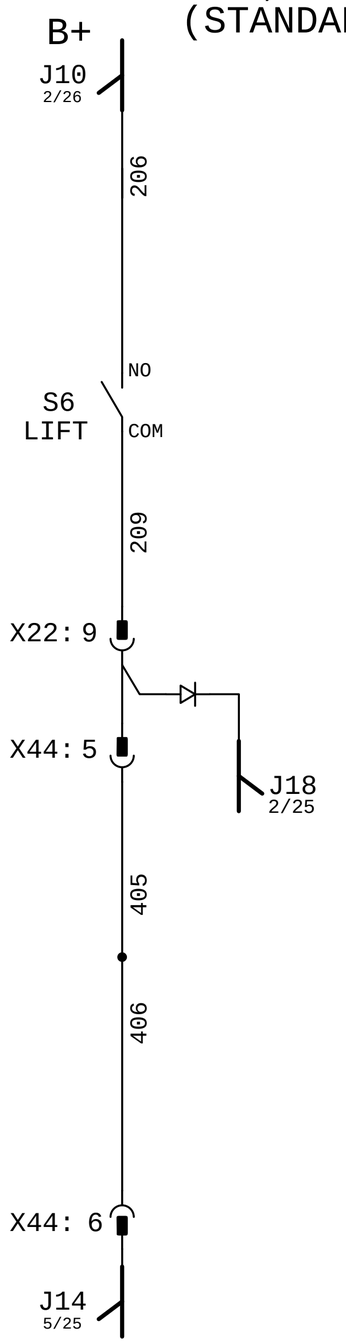


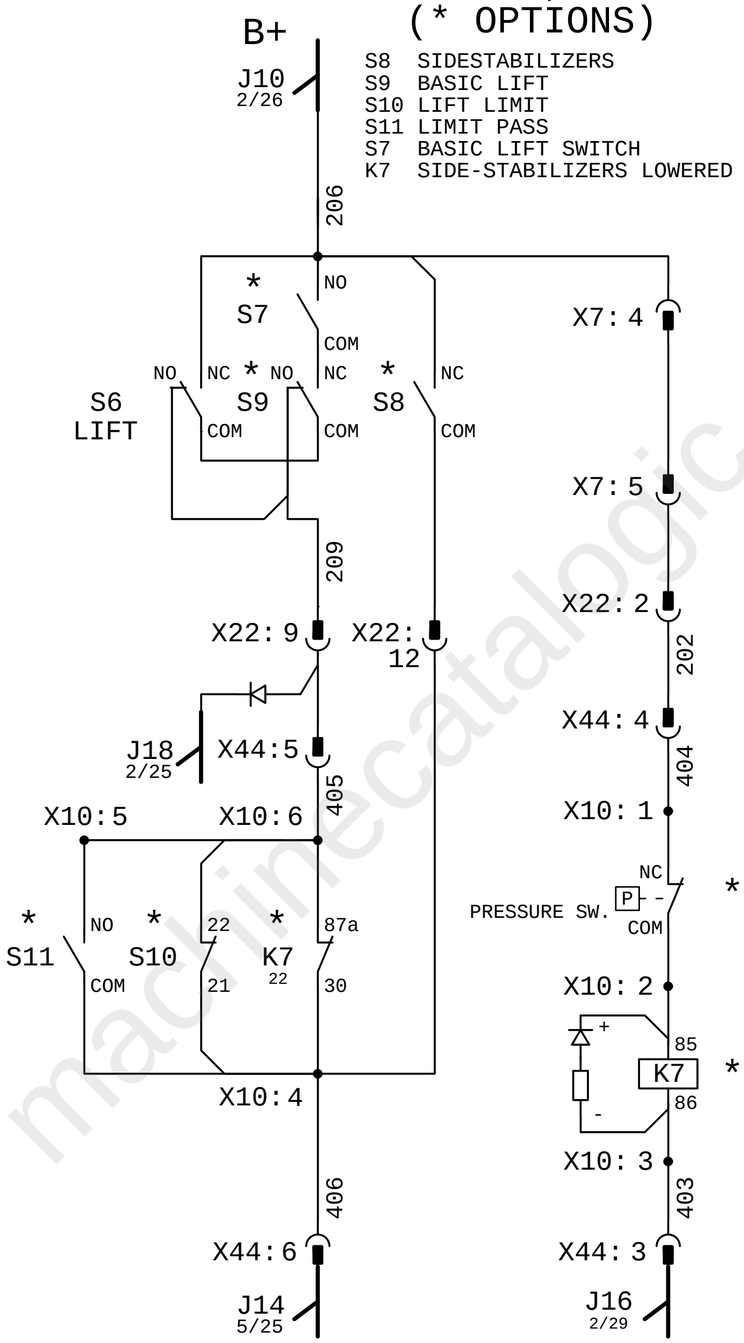
Fig. 6A *Wiring for 20kΩ potentiometer used as a wigwag-style throttle ("Type 1").*

NS1500,NS2000 (STANDARD)

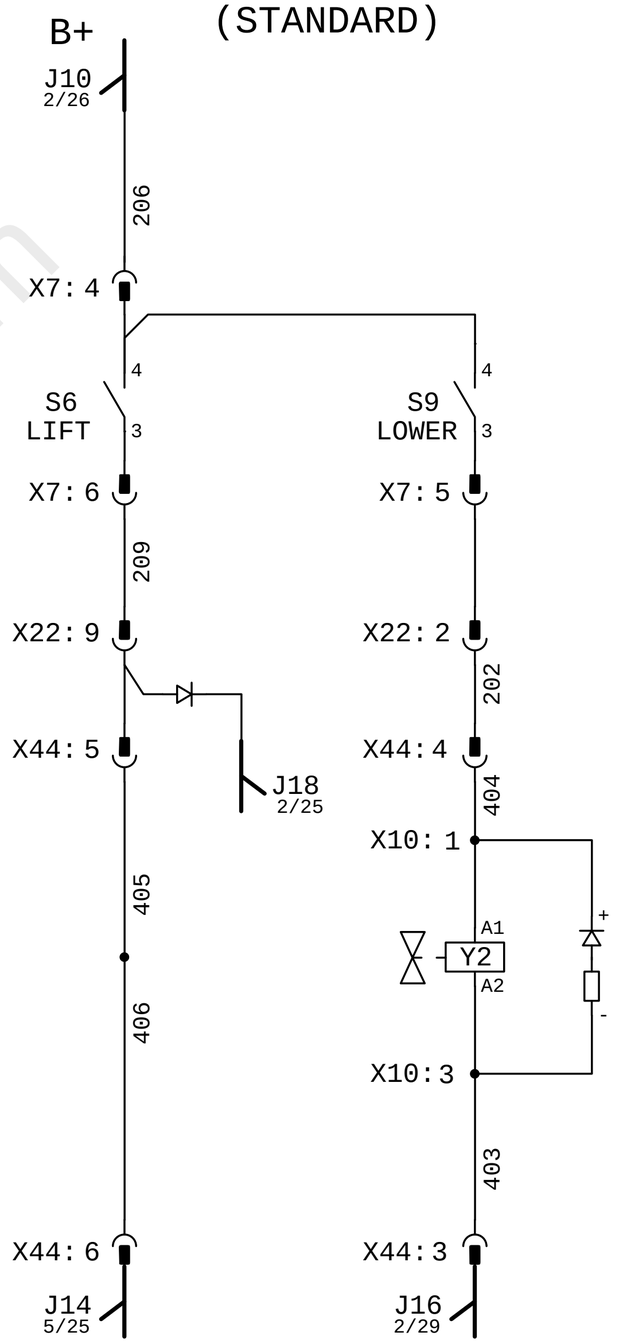


NS1500,NS2000 (* OPTIONS)

S8 SIDESTABILIZERS
S9 BASIC LIFT
S10 LIFT LIMIT
S11 LIMIT PASS
S7 BASIC LIFT SWITCH
K7 SIDE-STABILIZERS LOWERED



NP2000 (STANDARD)

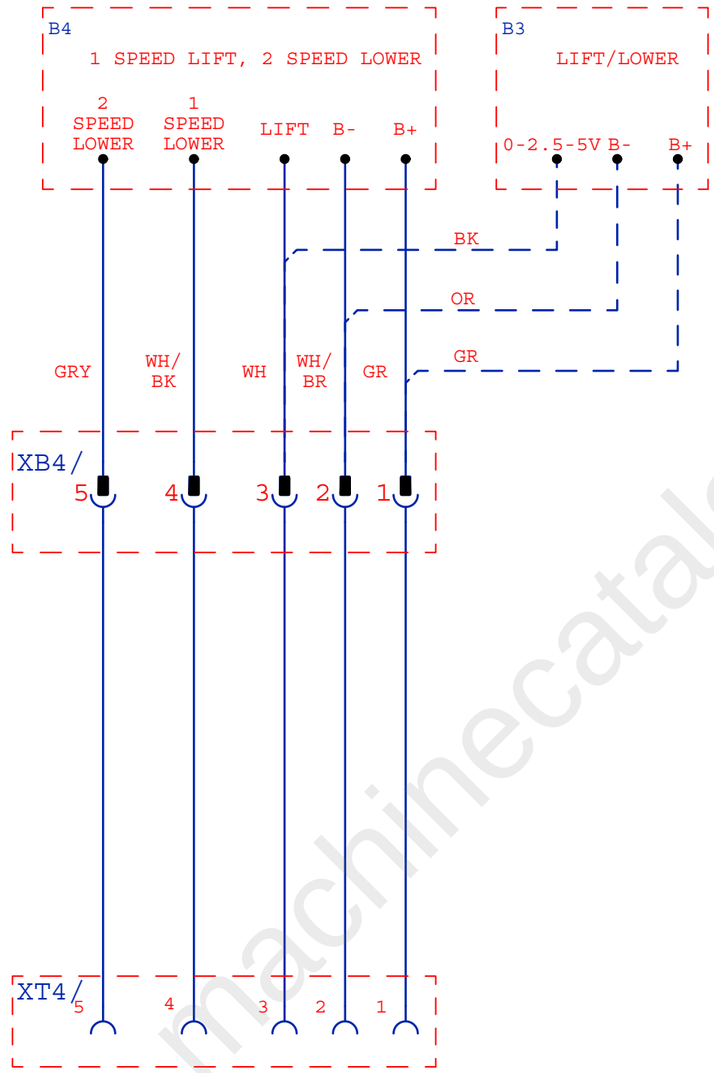


CAT Lift Trucks

CIRCUIT DIAGRAM TS390698

NS1500,NS2000,NP2000
LIFT CIRCUIT

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



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