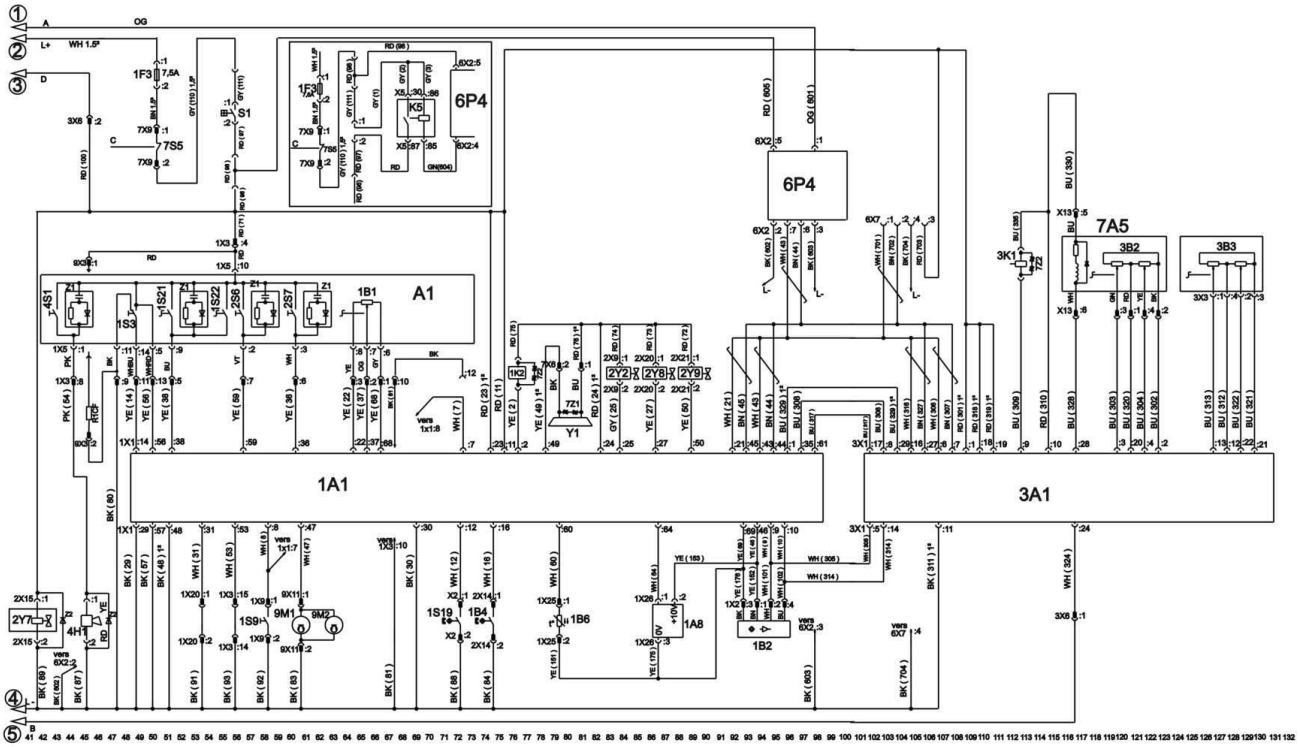
Linde Service Guide

T20 SP - T24 SP controller (LAC 03.60 / Bauser / 2-valve stabilisers)



Control:

A1	Control interface (travel, lift, horn) **43-73**
1A1	Traction, initial lift controller (LAC) **48-99**
	:1 - Status of LES safety relay
	:2 - Traction Lift contact switch 1K2
	:5 - Slow speed 1 fork direction
	:6 - Slow speed 2 fork direction
	:7 - Tiller foot
	:8 - Operator presence
	:9 - Track A speed sensor
	:10 - Track B speed sensor
	:11 - Emergency stop button control
	:12 - Battery locking detection
	:14 - Tiller anti-crush safety device in OFF position
	:14 - Tiller anti-crush safety device in ON position
	:16 - Initial lift top cut-out
	:18 - Initial Lift in lower position
	:19 - Setting 1, main lift control
	:20 - Setting 2, main lift control
	:21 - CAN high (lift)
	:22 - Potentiometer 1B1 power supply
	:23 - LAC power supply
	:24 - Brake Y1, solenoid valves 1K2 power supply
	:25 - Lowering solenoid valve 2Y2
	:27 - Right-hand stabiliser locking solenoid valve 2Y8
	:29 - Traction speed limitation No. 1
	:30 - Operator seat presence
	:31 - Platform position

:33 - Stabiliser oil level
:35 - LES status
:36 - Initial Lift control
:37 - Accelerator potentiometer setting
:38 - Accelerator microswitches
:43 - CAN high (traction)
:44 - CAN low (traction)
:45 - CAN low (lift)
:46 - Speed sensor 1B2 power supply
:47 - Fan 9M1 control
:48 - LAC controller power supply
:49 - Brake Y1
:50 - Solenoid valve 2Y9
:53 - Guard-rail position
:56 - Tiller anti-crush safety device
:57 - Traction speed limitation No. 2
:59 - Initial Lift lowering control
:60 - Traction motor temperature
:61 - Wheel position setting
:64 - Inclinometer
:68 - Potentiometer 1B1 power supply
:69 - Speed sensor 1B2 power supply

1A8	Stability module **86-89**
3A1	Steering controller (LES) **102-132**

:1 - Control board power supply
:2 - setpoint potentiometer 3B2 power supply
:3 - Setting track 1, potentiometer 3B2
:4 - Setting track 2, potentiometer 3B2
:5 - Track A speed sensor
:6 - CAN 2 high (steering)
:7 - CAN 2 low (steering)
:8 - Traction authorisation
:9 - 3K1 contact switch control
:10 - 3K1 contact switch power supply
:11 - Control board power supply
:12 - Wheel position potentiometer 3B3 power supply
:13 - Setting track 1, potentiometer 3B3
:14 - Track B speed sensor
:16 - CAN 1 high (steering)
:17 - Wheel position setting
:18 - Internal safety relay A power supply
:19 - Internal safety relay B power supply
:20 - setpoint potentiometer 3B2 power supply
:21 - setpoint potentiometer 3B3 power supply
:22 - Setting track 1, potentiometer 3B3
:24 - Motor 3M1 brush wear
:27 - CAN 1 low (steering)
:29 - Status of LES safety relay

7A5	Braking module (LORD) **116-125**
1B1	Accelerator potentiometer **65-67**
1B2	Traction motor speed sensor **92-96**
1B3	Fork in lower position detector **77**
1B4	Fork in upper position detector **75**
1B6	Traction motor temperature sensor **80**
3B2	Steering potentiometer (setting) **118-123**
3B3	Steering potentiometer (wheel position) **125-130**
1F3	Control circuit fuse 7.5 A **51**
4H1	Horn **45**
K5	Electronic key relays (option) **68-70**
1K2	Traction contact switch **9-76**
3K1	Steering contact switch **26-113**
9M1	PCB fan **60**
9M2	PCB fan **63**
6P4	Multifunction indicator **95-100**

S1	Switch key **52**
1S3	Rear safety contact (belly switch) on tiller (only on T20 AP) **47-50**
1S4	Tiller foot contact **69**
1S4A	Tiller foot contact **70**
1S9	Driver presence contact **58**
1S19	Battery locking contact **72**
1S21	Forward travel butterfly valve **51**
1S22	Reverse travel butterfly valve **55**
2S6	Fork lowering control **57**
2S7	Fork lifting control **60**
2S18	Stabiliser oil level **66**
4S1	Horn **44**
7S5	Control circuit opening contact (mechanically controlled by 7S1) **52**
X2	Battery locking connector **72**
X13	Braking module connector (LORD) **117-113**
1X1	Traction / lift controller connector (LAC) **49-99**
1X2	Speed sensor connector **93-96**
1X3	Board / control unit interface connector (A1) **45-73**
1X4	Programming unit connector (LAC) **82-85**
1X5	Control module connector **45-73**
1X9	Driver presence connector **58**
1X20	Platform position connector **53**
1X25	Traction motor temperature connector **80**
1X26	Stability module connector (inclinometer) **86-88**
2X9	Lowering solenoid valve connector LI **84**
2X14	LI upper (1B4) and lower (1B3) limit stop connector . **77**
2X15	Solenoid valve connector (2Y7), stabiliser locking **41**
2X16	Stabiliser oil level connector **65**
2X20	Right-hand stabiliser solenoid connector **53**
2X21	Left-hand stabiliser solenoid connector **89**
3X1	Electric steering connector **102-132**
3X3	Wheel position potentiometer connector **128-131**
3X6	Brush wear connector **45, 117**
6X2	Multifunction indicator connector **94-99**
6X7	Diagnostic socket connector **103-106**
7X6	Electromagnetic brake connector (Y1) **80-81**
7X9	Control circuit opening connector **52**
Y1	Electromagnetic brake **78-82**
2Y2	Lowering solenoid valve, Initial Lift **84**
2Y7	Stabiliser locking solenoid (only on trucks with side battery access) **42**
2Y8	Locking solenoid for right-hand stabiliser wheel **86**
2Y9	Locking solenoid for left-hand stabiliser wheel **89**
Z1	Interference suppression circuit **45, 53, 58, 62**
Z2	Interference suppression diode **47**
7Z1	Interference suppression, brake **79-81**
7Z2	Contact switch interference suppression **77, 114**

Code	Colour
BK	Black
WH	White
BU	Blue
OG	Orange
BN	Brown
GN	Green
VT	Violet
RD	Red
YE	Yellow
GY	Grey