SHOP MANUAL

WEBM003200

WB70A-1

BACKHOE-LOADER

SERIAL NUMBER

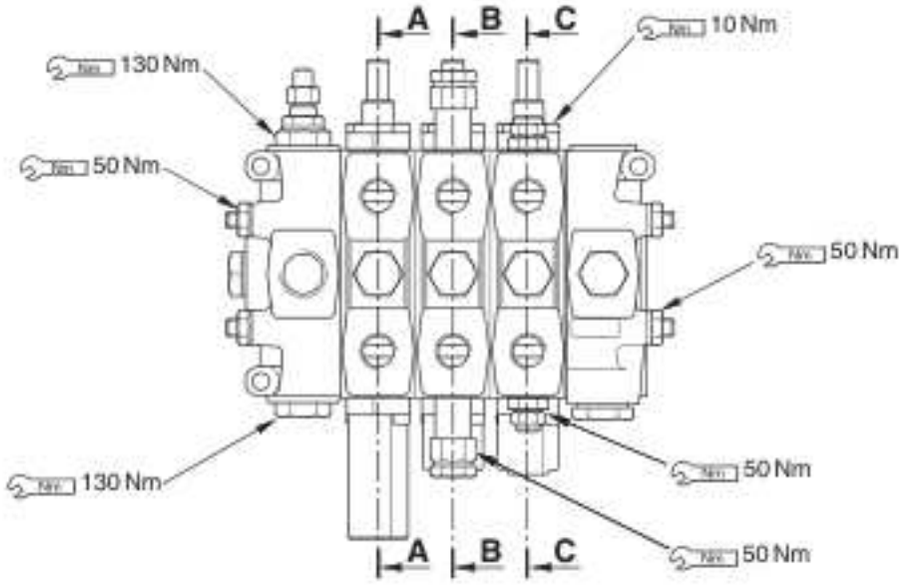
WB70A-1 F10392 and up

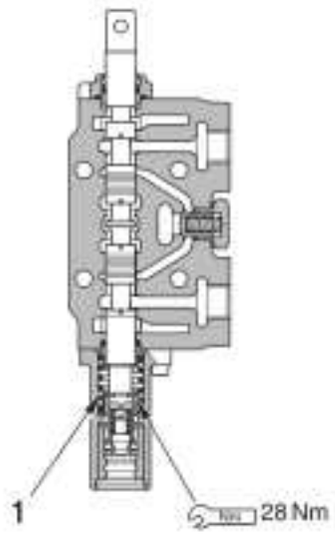
KOMATSU®

Utility

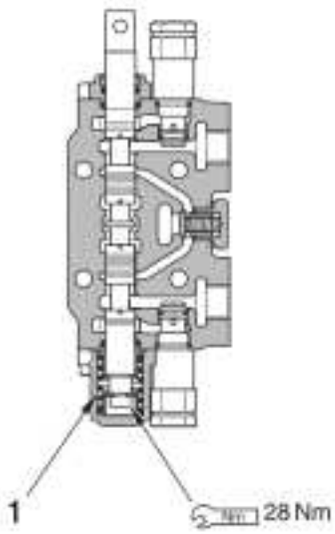
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3-SPOOL CONTROL VALVE

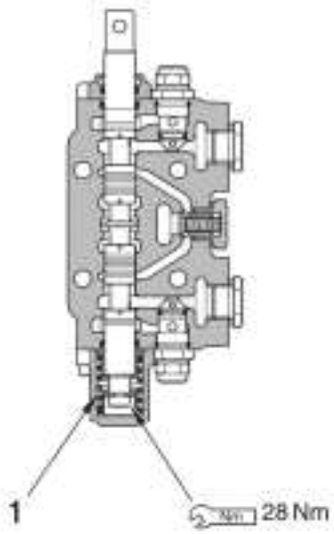




Section A - A



Section B - B



Section C - C

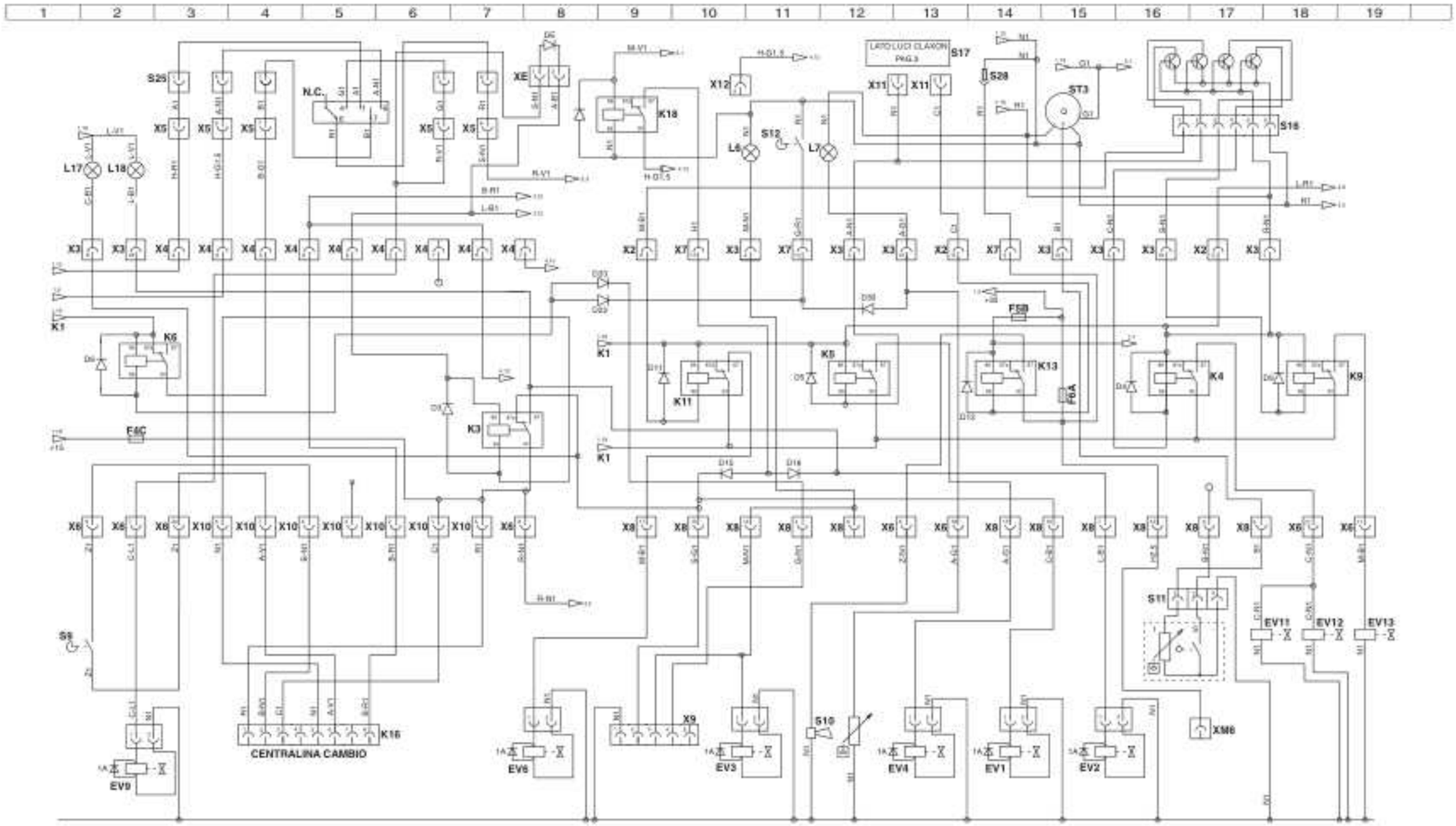
RK200030

Unit: mm

No.	Check item	Criteria					Remedy
		Standard size			Repair limit		
		Free length	Installed length	Installed load	Free length	Installed load	
1	Spool return spring	46.6	35	130	–	–	Replace if damaged or deformed

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ELECTRICAL DIAGRAM (2/5)



COMPONENTS

EV9 - Displacement change solenoid valve
EV6 - Hammer (optional) solenoid valve
EV3 - Differential locking solenoid valve
EV4 - Bounce locking solenoid valve
EV1 - Low speed solenoid valve
EV2 - High speed solenoid valve
EV11 - ENPI (optional) solenoid valve
EV12 - ENPI (optional) solenoid valve
EV13 - 6-ways solenoid valve (optional)
K1 - Neutral mechanical relay
K3 - Mechanical speed gear
K4 - ENPI (optional) solenoid valve relay
K5 - Bounce locking solenoid valve relay
K6 - Feed switch relay
K9 - 6-ways solenoid valve (optional) relay
K11 -Hammer solenoid valve relay
K13 -Hor relay
K16 -Ride inhibition unit
K18 -Neutral mechanical relay
L6 - Differential locking light
L7 - Brake oil level light
L17 -Low light
L18 -High light
S9 -Axle sensor
S10 -Brake oil level sensor
S11 -Fuel level sensor
S12 -Micro hand brake
S16 -Push-button panel
S17 -Horn light side
S25 -Switch transmission side
S28 -Electric socket
ST3 - Fuel level indicator

FUSES

F4C - Transmission inhibition unit 1st and 2nd travel speed
F5B - Roof light (opt. radio) emergency light, K3 coil relay
F6A - Horn, supply fuel pump, electric socket

CONNECTORS

X2 - 13-ways connector dash-board line
X3 - 21-ways connector dash-board black line
X4 - 9-ways connector dash-board line
X5 - 7-ways connector indicator light line
X6 - 21-ways connector front line
X7 - 17-ways connector cabin line
X8 - 17-ways connector rear line, solenoid valve line
X9 - 5-ways connector rear line
X10 -7-ways connector transmission main box
X11 -9-ways connector indicator light
X12 -13-ways connector upper line
XE - Connector 4th fast speed cut out
XM6 - Connector fuel pump preset

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