Operator's Manual

Track excavator

1404



Machine model	**1404**
Edition	**2.0**
Order no.	**1000164553**
Language	**EN**

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3.10 Changeover valve for SAE/ISO controls (option)

Danger!

Changing the directional valve over modifies the controls (control levers) –

Danger of accidents!

☞ *Make sure you know which control mode has been selected before starting work*

☞ *Always secure wing nut J on the changeover lever of the directional valve*

Left-hand side control lever

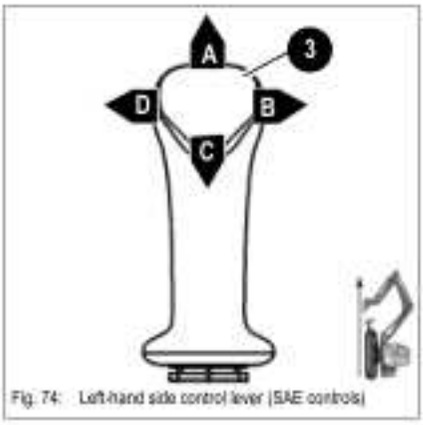


Fig. 74: Left-hand side control lever (SAE controls)

Position	Lever	Function
• A	☞ *Forwards*	➥ Boom is lowered
• B	☞ *To the right*	➥ Upper carriage rotates to the right
• C	☞ *Backwards*	➥ Boom is raised
• D	☞ *To the left*	➥ Upper carriage rotates to the left

Right-hand side control lever

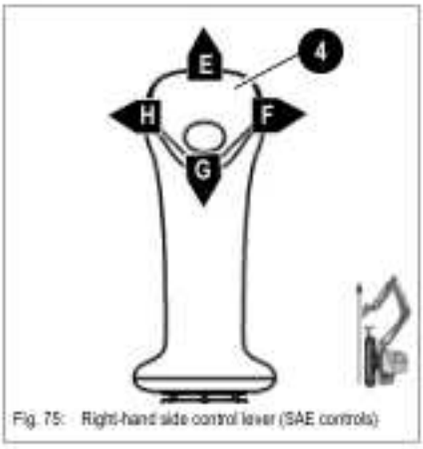


Fig. 75: Right-hand side control lever (SAE controls)

Position	Lever	Function
• E	☞ *Forwards*	➥ Stick is extended
• F	☞ *To the right*	➥ Dumps out the bucket
• G	☞ *Backwards*	➥ Stick is retracted
• H	☞ *To the left*	➥ Dumps in the bucket

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5.14 Maintenance plan (overview)

Work description

For service and maintenance work on the attachment, please refer to the operation and maintenance manual of the attachment manufacturer as well.

	Maintenance plan/service hours (s/h)						
	Maintenance work (once a day)	Every 50 s/h	Every 500 s/h	Every 1000 s/h once a year	Customer	Authorised workshop
Lubrication service ( ):						
Lubricate the following assemblies/components – *see Maintenance label on page 5-40*:						
• Stabiliser blade	●				●	
• Swivelling console	●				●	
• Boom	●				●	
• Stick	●				●	
• Attachments	●				●	
• Hydraulic quickhitch (option)– *see Hydraulic quickhitch (option) on page 3-47*	●				●	
• Grease strip on chassis – *see Maintenance label on page 5-40*	●				●	
Functional check ( ):						
Check the function of the following assemblies/components. Rectify if necessary:						
• Lights, signalling system, acoustic warning system[10]		●	●			●
• Heating function[10]		●	●			●
• Hydraulic quickhitch system (lock)	●					●
Leakage check ( ):						
Check for tightness, leaks and chafing: pipes, flexible lines and screw connections of the following assemblies and components. Rectify if necessary:						
• Visual check	●				●	
☞ Engine, hydraulic system and hydraulic components	●				●	
☞ Cooling circuit	●				●	
☞ Travelling drive	●				●	
☞ Hydraulic quickhitch system (hoses, valve)	●				●	

1. Drain engine oil the first time after 50 s/h, then every 250 s/h
2. Replace the engine oil filter the first time after 50 s/h, then every 250 s/h
3. Replace the fuel filter the first time after 50 s/h, then every 500 s/h
4. Replace the hydraulic oil filter insert the first time after 50 s/h, then every 500 s/h
5. Drain the hydraulic oil the first time after 500 s/h, then every 1000 s/h
6. Drain the gearbox oil the first time after 50 s/h, then every 1000 s/h
7. Clean the water ducts every other 1000 s/h servicing
8. Clean and adjust the fuel injection pump every other 1000 s/h servicing
9. Check and adjust injection time every other 1500 s/h servicing

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6.12 Lift capacity table 1404 RD

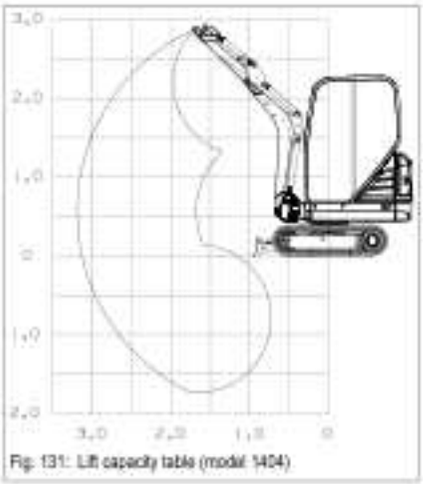


Fig. 131: Lift capacity table (model 1404)

	max.			3,0m			2,0m		
A / B	Über Schild		Über die Seite 360°	Über Schild		Über die Seite 360°	Über Schild		Über die Seite 360°
	abgesenkt	angehoben		abgesenkt	angehoben		abgesenkt	angehoben	
1,5m	395*	180	170	400*	180	175	430*	330	315
1,0m	380*	165	155	405*	180	170	615*	315	300
0,5m	365*	160	155	410*	175	165	725*	295	280
0,0m	350*	165	155	385*	170	165	715*	285	270

A	Reach from live ring centre
B	Load hook height

All table indications in kg and horizontal position on firm ground without bucket.

If equipped with a bucket or other attachments, lift capacity or tilt load is reduced by bucket or attachment dead weight.

Calculation basis: according to ISO 10567

The compact excavator's lift capacity is restricted by the settings of the pressure limiting valves and the hydraulic system's stabilising features.

Neither 75 % of the static tilt load nor 87 % of the hydraulic lift capacity is exceeded.

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3.2 Cab overview (legend)

Pos.	Description	For more information see page
1	Hammer pedal (auxiliary hydraulics)	3-40
2	Hammer pedal (boom swivel)	3-39
3	Control lever (left)	3-39
4	Control lever (right)	3-40
5	Control lever base (left)	
6	Control lever base (right)	
7	Armrest (left)	
8	Armrest (right)	
9	Tank for washer system	3-24
10	Radio (option)	
11	Seat (backrest adjustment)	3-25
12	Seat belt (lock)	3-26
13	Heating controller (option)	3-23
14	Throttle	3-9
15	Fuse box	6-3
16	Round display element	3-4
17	Switch panel (right-hand side console)	
18	Stabiliser blade/lever for telescopic undercarriage (option)	3-19
19	Drive lever (left)	3-16
20	Drive pedal (left)	3-16
21	Drive pedal (right)	3-16
22	Drive lever (right)	3-16
23	Preheating start switch	3-9
24	Switch panel (left-hand side console)	
25	Cigarette lighter	

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