SEAM015400

Operation & Maintenance Manual

KOMATSU®

D31E-20
D31P-20
D31PL-20
D31PLL-20
D31P-20A
D37E-5
D37P-5A

BULLDOZER

SERIAL NUMBERS		
	D31E-20	42723 and up
	D31P, PL-20	47617 and up
	D31PLL-20	47653 and up
	D31P-20A	47617 and up
	D37E-5	3731 and up
	D37P-5A	3661 and up

March 2003

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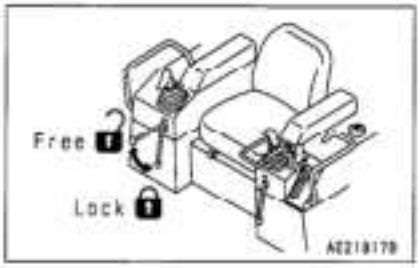
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8. SAFETY LEVER (For blade control lever)



⚠ WARNING

- **When leaving the operator's compartment, set the safety lever securely to the LOCK position. If the control lever is not locked, and it is touched by mistake, this may lead to a serious accident.**
- **If the safety lever is not placed securely in the LOCK position, the control lever may not be properly locked. Check that the situation is as shown in the diagram.**
- **When parking or servicing the machine, be sure to lower the blade and set the safety lock in the LOCK position.**

This is the locking device of blade control lever. Lower the lever to apply the lock.

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23. MAINTENANCE SCHEDULE CHART

23.1 MAINTENANCE SCHEDULE CHART

SERVICE ITEM	PAGE
INITIAL 250 HOURS SERVICE (only after the first 250 hours)	
Replace fuel filter cartridge and additional fuel filter cartridge (option)	3-47
Change oil in transmission case, clean strainer	3-51
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25. SPECIFICATIONS

D31E, P, PL, PLL-20
D31P-20A

				D31E-20	D31P-20	D31PL-20	D31PLL-20	D31P-20A
WEIGHT								
• Operating weight (without operator)			kg	6200 (13670 lb)	6840 (15080 lb)	7190 (15850 lb)	7700 (16980 lb)	6930 (15280 lb)
BLADE								
• Equipment weight (incl. cylinder)			kg	850 (1870 lb)	820 (1810 lb)	780 (1720 lb)	800 (1760 lb)	900 (1980 lb)
PERFORMANCE								
• Travel speed	Forward	1st	km/h	2.2 (1.4 MPH)				
		2nd	km/h	3.9 (2.4 MPH)				
		3rd	km/h	6.5 (4.0 MPH)				
	Reverse	1st	km/h	2.4 (1.5 MPH)				
		2nd	km/h	4.3 (2.7 MPH)				
		3rd	km/h	7.1 (4.4 MPH)				
• Maximum drawbar pull			kg	9030 (19910 lb)	8960 (19760 lb)	8930 (19690 lb)	8890 (19600 lb)	8960 (19760 lb)
• Ground pressure			kg/cm^2	0.50	0.26	0.16	0.14	0.26
ENGINE								
• Model				Komatsu S4D102E-1 diesel engine				
• Flywheel horsepower				52.2 kW (70 HP)/2350 rpm				
• Maximum torque				265 N-m (27 kgf-m)/1400 rpm				
• Starting motor				24 V 5.5 kW				
• Alternator				24 V 25 A				
• Battery				12 V 70 Ah x 2 pieces				

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