SEAM01142004

Operation & Maintenance Manual

KOMATSU®

D31E,P,PL,PLL-20
D31P-20A
D37E-5/D37P-5A

BULLDOZER

	D31E-20	- 42199	
	D31P,PL,PLL-20	- 45001	
	D31P-20A	- 45785	
SERIAL NUMBERS	D37E-5	- 3235	and up
	D37P-5A	- 3153	

August 1996

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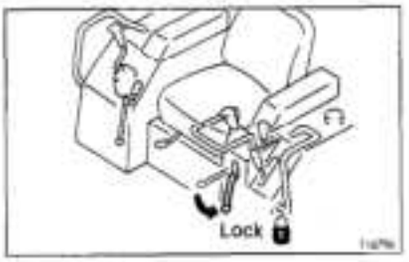
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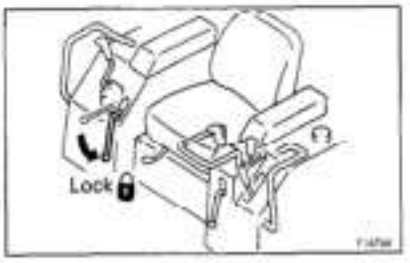
5. Lock steering and directional lever ② with safety lever ⑤.



6. Put blade control lever ⑥ in the LOWER position to lower the blade to the ground while keeping it horizontal.

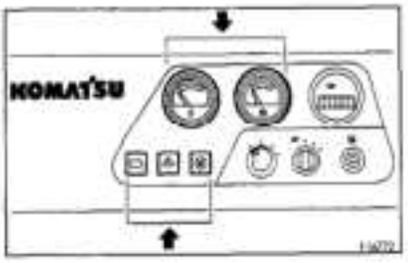


7. Lock blade control lever ⑧ with safety lever ⑦.



12.12 CHECK AFTER FINISHING WORK

1. Check the gauges and lamps for engine water temperature, engine oil pressure, fuel level and air cleaner clogged.



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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	3-48
Change oil in engine oil pan, replace engine oil filter cartridge	3-50
Change oil in transmission case	3-53
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Change oil in steering clutch case	3-55
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25. SPECIFICATIONS

D31E, PLL-20
D31P-20A

		D31E-20	D31PLL-20	D31P-20A
WEIGHT				
• Operating weight (with ROPS cab) (without operator) (kg)		6710	8110	7360
BLADE				
• Equipment weight (incl. cylinder) (kg)		850	800	900
PERFORMANCE				
• Travel speed	Forward 1st (km/h)	2.2		
	2nd (km/h)	3.9		
	3rd (km/h)	6.5		
	Reverse 1st (km/h)	2.4		
	2nd (km/h)	4.3		
	3rd (km/h)	7.1		
• Maximum drawbar pull (N)		59600	59600	59600
• Ground pressure (kg/cm^2)		0.40	0.14	0.26
ENGINE				
• Model		Komatsu 6D95L-1 diesel engine		
• Flywheel horsepower		70 HP/2350 rpm		
• Maximum torque		27 kgm/1400 rpm		
• Starting motor		24 V 5.5 kW		
• Alternator		24 V 15A		
• Battery		12 V 70 Ah x 2 pieces		
SOUND LEVEL				
• Surrounding (sound power level L W(A)) dB(A)		106		
• Operator's (sound pressure level L PA) dB(A) measurement procedure described in ISO 6394 or 86/622/ECC		85		
VIBRATION LEVEL				
• Hands/Arms	The weighted root mean square acceleration Measurement standard. ISO 7096	Less than 2.5 m/S^2		
• Whole body		Less than 1.25 m/S^2		

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