SEAM01142001

Operation & Maintenance Manual

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

WARNING

Unsafe use of this machine may cause serious injury or death. Operators and maintenance personnel must read this manual before operating or maintaining this machine. This manual should be kept near the machine for reference and periodically reviewed by all personnel who will come into contact with it.

NOTICE

Komatsu has Operation & Maintenance Manuals written in some other languages. If a foreign language manual is necessary, contact your local distributor for availability.

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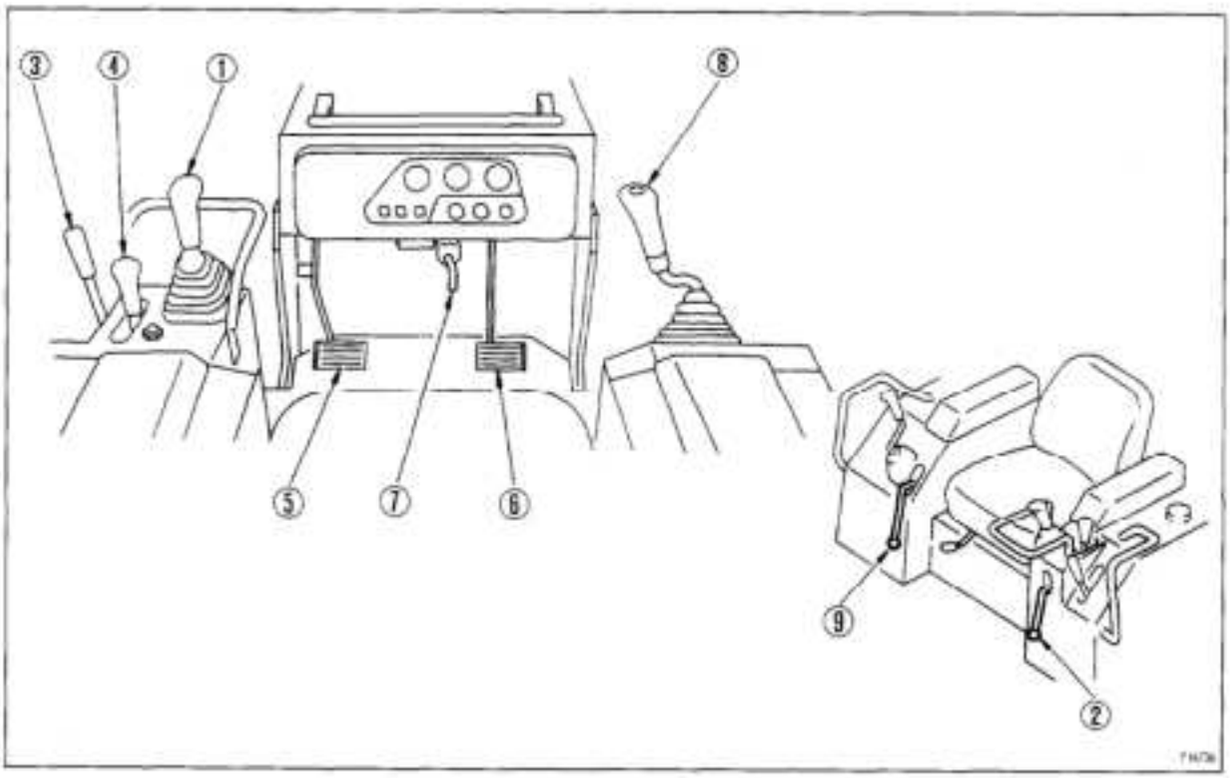
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11.3 CONTROL LEVERS AND PEDALS



1. STEERING AND DIRECTIONAL LEVER



This lever is used to switch between forward and reverse and to steer the machine.

Forward-reverse shifting

①: FORWARD
②: REVERSE
Ⓝ: NEUTRAL

Push the lever forward, the machine will move off forward.

Pull the lever backward, the machine will move off in reverse.

Steering

Ⓛ: LEFT TURN
Ⓡ: RIGHT TURN

If the lever is moved partially in the direction to turn the machine, the steering clutch is disengaged and the machine will turn gradually. If the lever is moved more, the steering brake is applied and the machine will turn on the spot.

If the lever is released when steering the machine, the lever will return to the ① position or the ② position and the machine will be returned to straight movement.

REMARK

When starting the engine, check that the levers are at the N position and that the safety lever is at the LOCK position.
If they are not at these positions the engine will not start.

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23. MAINTENANCE SCHEDULE CHART

23.1 MAINTENANCE SCHEDULE CHART

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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)		6090	6700	7050	7550	6800
BLADE						
• Equipment weight (incl. cylinder) (kg)		850	820	780	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 (kg)		9030	8960	8930	8890	8960
• Ground pressure (kg/cm^2)		0.49	0.26	0.15	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				

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