SEAM035003T

Operation & Maintenance Manual

D61EX-12
D61PX-12

BULLDOZER

SERIAL NUMBERS D61EX-12 - 1106 and up
D61PX-12 - 1112

KOMATSU

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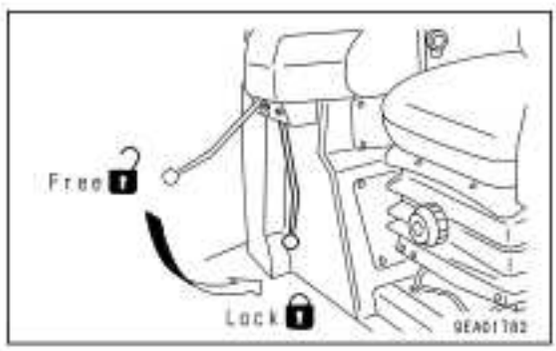
SAFETY LEVER (FOR BLADE CONTROL LEVER)

⚠ WARNING

- **When standing up from the operator's seat, always set the safety lever securely to the LOCK position. If the blade control and ripper control levers are not locked and are touched by accident, it may lead to serious injury or damage.**
- **If the safety lever is not set securely to the LOCK position, the lock may not be applied. Check that it is in the position shown in the diagram.**
- **When parking the machine or when carrying out maintenance, always lower the blade to the ground, then set the safety lever to the LOCK position.**

This safety lever(6) is a device to lock the blade control and ripper control levers. When it is set to the LOCK position, operations are locked.

If the blade control lever is at the FLOAT position and the safety lever is set to the LOCK position, the blade control lever is automatically returned to the HOLD position17.



BLADE CONTROL LEVER

POWER ANGLE, POWER TILTDOZER

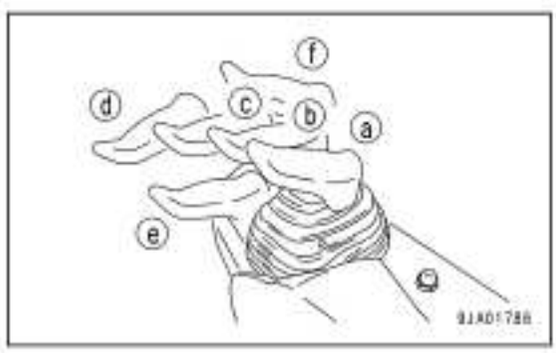
This lever(7) is used to lift, tilt, or angle the blade.

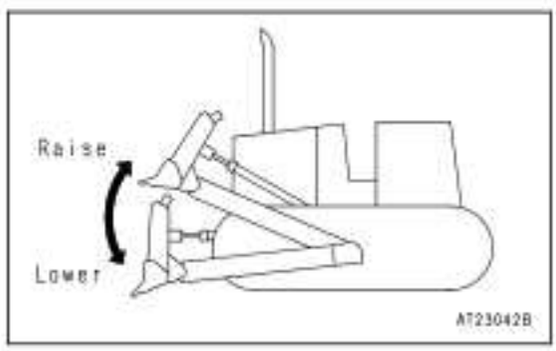
- Lifting control

(a)RAISE:
(b)HOLD: Blade is stopped and held in this position.
(c)LOWER:
(d)FLOAT: Blade will move freely according to external force.

REMARK

- When released from FLOAT position, this lever will not return to HOLD position, so it must be moved back by hand.
- Before starting the engine, check that the blade control lever is at the HOLD position.
- In cold weather, it will take time for the lever to be held at the HOLD position, so hold the lever by hand at the HOLD position for at least 1 second.





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GUIDE TO MAINTENANCE

Do not carry out any inspection and maintenance operation that is not found in this manual.

CHECK SERVICE METER

Check the service meter reading every day to see if the time has come for any necessary maintenance to be carried out.

KOMATSU GENUINE REPLACEMENTPARTS:

Use Komatsu genuine parts specified in the Parts Book as replacement parts.

KOMATSU GENUINE OILS:

Use Komatsu genuine oils and grease. Choose oils and grease with proper viscosities specified for ambient temperature.

ALWAYS USE CLEAN WASHER FLUID:

Use automobile windshield washer fluid, and be sure not to let any dirt get into it.

CLEAN OIL AND GREASE:

Use clean oil and grease. Also, keep the containers of the oil and grease clean. Keep foreign materials away from oil and grease.

CHECKING FOREIGN MATERIALS DRAINED OIL:

After oil is changed or filters are replaced, check the old oil and filters for metal particles and foreign materials. If large quantities of metal particles or foreign materials are found, always report to the person in charge, and carry out suitable action.

FUEL STRAINER:

If your machine is equipped with a fuel strainer, do not remove it while fueling.

WELDING INSTRUCTIONS:

- Turn off the engine starting switch.
- Do not apply more than 200V continuously.
- Connect grounding cable within 1m (3.3 ft) from the area to be welded. If grounding cable is connected near instruments, connectors, etc., the instruments may have troubles.
- Avoid seals or bearings from being between the area to be welded and the position of grounding point.
- Do not use the area around the work equipment pins or the hydraulic cylinders as the grounding point.

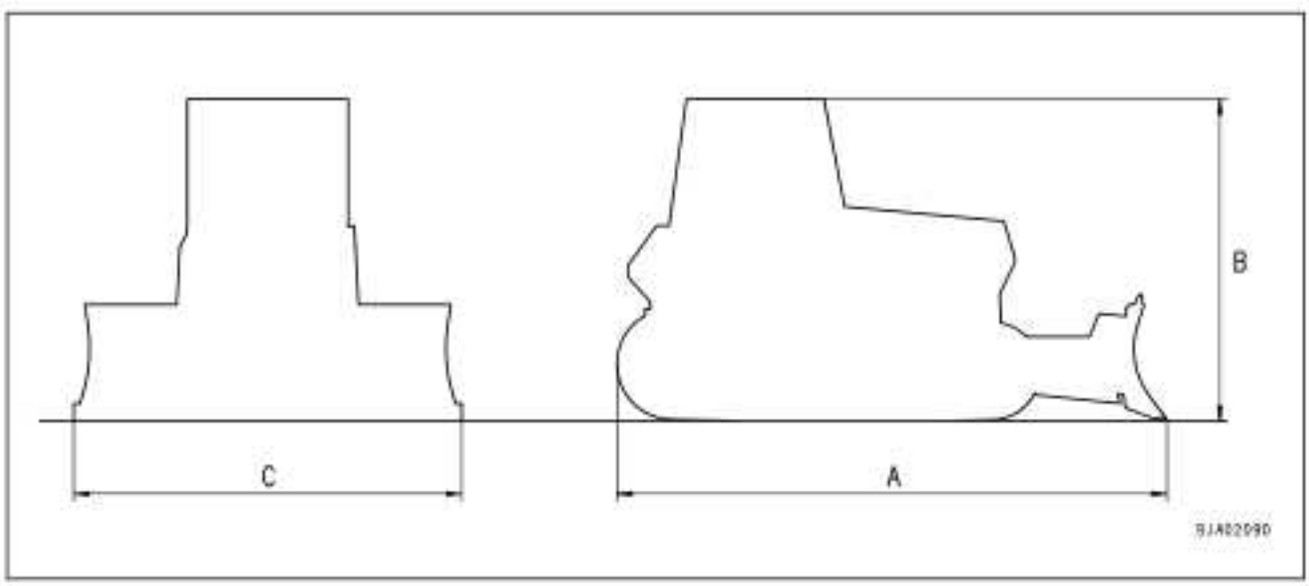
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SPECIFICATIONS

D61EX-12 Power angle, power tiltdozer with ROPS canopy

D61PX-12 Power angle, power tiltdozer with ROPS canopy (equipped with single shoe)

	Item		Unit	D61EX-12	D61PX-12
	Operating weight (without operator)		kg(lb)	15,800(34,839)	17,500(38,588)
	Name of engine		—	Komatsu S6D114E-1A deisel engine	
	Engine horsepower		Kw{HP}/rpm	110.33{148}/1,850	
A	Overall length		mm(ft in)	5,030(16'6")	5,465(17'11")
B	Overall height		mm(ft in)	3,115(10'3")	3,140(10'4")
C	Overall width		mm(ft in)	3,275(10'9")	3,860(12'8")
	Travel speed (1st/2nd/3rd)	Forward	km/h(MPH)	3.5/6.0/10.3(2.2/3.7/6.4)	
		Reverse	km/h(MPH)	4.6/7.9/12.8(2.9/4.9/8.0)	



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