SEAM048900

Operation & Maintenance Manual

KOMATSU®

D375A-5

RADIO CONTROL SPECIAL SMALL ELECTRIC POWER SPECIFICATION

This manual describes only Radio control. Please refer to this manual and D375A-5 Operation and Maintenance Manual for bulldozer.

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5. CONTENTS

FOREWORD

1. FOREWORD 1-2
2. SAFETY INFORMATION 1-3
3. INTRODUCTION 1-5
4. PRODUCT INFORMATION 1-6
4.1 LOCATION OF NAMEPLATE FOR TRANSMITTER (TX. UNIT) 1-6
4.2 LOCATION OF NAMEPLATE FOR RECEIVER (RX. UNIT) 1-6
4.3 LOCATION OF NAMEPLATE FOR CONTROLLER 1-6
4.4 YOUR MACHINE SERIAL NUMBERS AND DISTRIBUTOR 1-7

SAFETY

6. GENERAL PRECAUTIONS 2-2
7. PRECAUTIONS FOR OPERATION 2-12

OPERATION

8. GENERAL VIEW 3-2
8.1 GENERAL VIEW OF MACHINE 3-2
9. EXPLANATION OF COMPONENTS 3-4
9.1 TRANSMITTER (TX. UNIT) 3-5
9.2 RECEIVER UNIT (RX. UNIT) 3-12
9.3 CONTROLLERS 3-13
9.4 CHARGER 3-14
9.5 ROTATING LAMPS 3-15
10. HANDLING RADIO CONTROL 3-16
10.1 FLOW CHART FOR STARTING, OPERATING USING RADIO CONTROl 3-17
10.2 FLOW CHART FOR STOPPING OPERATION USING RADIO CONTROL 3-18
10.3 DETAILS OF PROCEDURE FOR RADIO CONTROL OPERATION 3-19
11. PRECAUTIONS WHEN OPERATING RADIO CONTROL 3-25
12. Operation using radio control 3-26
12.1 Moving off 3-26
12.2 Steering (changing direction of travel) 3-27
12.3 Work equipment (blade RAISE/LOWER/FLOAT, tilt left/right, ripper UP/DOWN, ripper tilt in/back) 3-27
12.4 Acceleration/deceleration 3-27
12.5 Stopping (braking) 3-28

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13. PRECAUTIONS WHEN HANDLING RADIO CONTROL 3-29
13.1 TRANSMITTER 3-29
13.2 RECEIVER UNIT, CONTROLLER 3-29
13.3 CHARGER FOR AC, DC 3-29
13.4 PRECAUTIONS WHEN OPERATING FROM OPERATOR'S SEAT 3-30

14. CHECKS AROUND MACHINE 3-31
14.1 HYDRAULIC UNIT 3-31
14.2 RECEIVER UNIT, CONTROLLER 3-31
14.3 ANTENNA 3-31
14.4 ROTATING LAMPS 3-31

15. IF ANY FAILURE IS SUSPECTED 3-32
15.1 Radio control operation 3-32
15.2 On-board operation (only problems related to radio control) 3-32
15.3 REPORTING FAILURE 3-32

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Safety labels
Safety labels are affixed to the machine to inform the operator or maintenance worker on the spot when carrying out operation or maintenance of the machine that may involve hazard.

This machine uses "Safety labels using words" and "Safety labels using pictograms" to indicate safety procedures.

Example of safety label using words



Safety labels using pictogram
Safety pictograms use a picture to express a level of hazardous condition equivalent to the signal word. These safety pictograms use pictures in order to let the operator or maintenance worker understand the level and type of hazardous condition at all times. Safety pictograms show the type of hazardous condition at the top or left side, and the method of avoiding the hazardous condition at the bottom or right side. In addition, the type of hazardous condition is displayed inside a triangle and the method of avoiding the hazardous condition is shown inside a circle.



Komatsu cannot predict every circumstance that might involve a potential hazard in operation and maintenance. Therefore, the safety messages in this manual and on the machine may not include all possible safety precautions. If any procedures or actions not specifically recommended or allowed in this manual are used, it is your responsibility to take the necessary steps to ensure safety.

In no event should you engage in prohibited uses or actions described in this manual.

The explanations, values, and illustrations in this manual were prepared based on the latest information available at that time. Continuing improvements in the design of this machine can lead to changes in detail which may not be reflected in this manual. Consult Komatsu or your Komatsu distributor for the latest available information of your machine or for questions regarding information in this manual.

The numbers in circles in the illustrations correspond to the numbers in ( ) in the text. (For example: ① → (1))

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9.1.1 CONTROL LEVERS

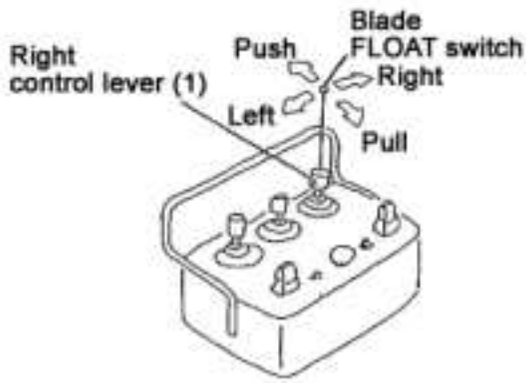
Proportional control is used for operation of the control levers, so it is possible to control the speed according to the amount the levers are operated. In addition, any combination of levers can be used at the same time.

Right control lever (1)

Direction of operation	Front / rear direction		Left / right direction		Push button
Right control lever (1)	Blade or ripper operation		Blade or ripper operation		Blade or ripper operation
	Push	Pull	Left	Right	※ ※2
	Blade LOWER / ripper DOWN	Blade RAISE / ripper UP	Left tilt / ripper tilt in	Right tilt / ripper tilt back	Blade FLOAT/pin-puller pull out

※ :Keep the push button pressed and operate fully to the blade LOWER position.

※2 :For details of the method of operating the pin-puller, "OPERATION METHOD FOR PIN-PULLER USING RADIO CONTROL(3-8 page)".



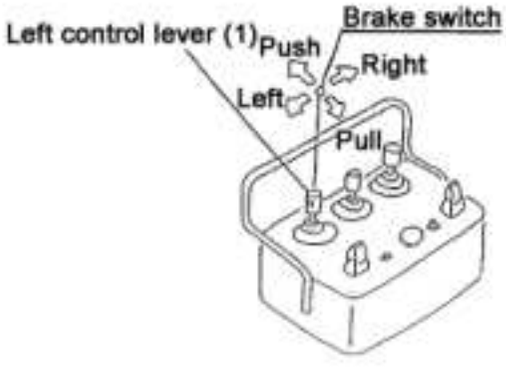
REMARK

- **Use the toggle switch on "SWITCHES(3-10 page)" to switch between the blade and ripper.**
- **When in the FLOAT condition, press the push button switch to cancel the FLOAT.**
- **If the blade lever is operated to the RAISE position from FLOAT, the FLOAT is canceled.**

Left control lever (1)

Direction of operation	Front / rear direction		Left / right direction		Push button
Left control lever (1)	Travel operation		Steering operation		Brake operation
	Push	Pull	Left	Right	ON (push)
	Forward	Reverse	Left turn	Right turn	Brake

- **When the push button is pressed, the brakes are applied, regardless of the position of the control levers.**
- **When the travel direction is set to neutral, the brakes are applied.**



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13. PRECAUTIONS WHEN HANDLING RADIO CONTROL

13.1 TRANSMITTER

- The structure is not fully waterproof, so do not put it in water or wash it in water. In addition, store it in a place where there is low humidity and little change in temperature.
- The case is made of ABS resin, so it may become deformed if it is left in direct sunlight for a long time or wiped with thinner or other solvent.
- Put on the shoulder belt and chest protector provided with the equipment, and be careful not to drop it or subject it to any excessive impact.
- Always keep the terminals and connectors of the battery clean and be careful not to let any rust form.

13.2 RECEIVER UNIT, CONTROLLER

The structure is not waterproof or bacteria proof, so close the storage box lid to prevent it from being immersed in rainwater.

13.3 CHARGER FOR AC, DC

- The charger structure is not waterproof or bacteria proof, so use it in a place where no water can get on it.
- Do not subject it to vibration or impact.
- Always keep the terminals and connectors of the battery clean and be careful not to let any rust form. Excessive dirt may cause defective contact.
- The charger is equipped with a circuit that detects any drop in the external voltage and stops the charging.
- The charging cut voltage is 22.5 V and the restoration voltage is 23.5 V. If the charging is cut, the timer is reset. If the power switch is turned OFF during charging, the timer is also reset. In such cases, be careful not to overcharge when starting
- the charging again.
- The applicable temperature when charging the battery is 0°C to 45°C. Always keep the temperature within this range when charging.
- (At temperatures below 0°C, the consumption rate for the gas generated during charging is reduced, so the internal pressure rises, and this causes deterioration of the battery performance. At temperatures above 45°C, the charging efficiency is reduced.)
- Store the battery within a temperature range from -20°C to 50°C. High temperatures will cause self-discharge of the battery.
- Charging is more difficult after the battery has been stored for a long time and the capacity is reduced, but after it is repeatedly charged 2 - 3 times, the condition will return to normal.
- When the battery is stored, be careful not to short circuit the terminals with coins or other metal objects.

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