SEBM028901

SHOP MANUAL

KOMATSU®

D375A-5

Radio-Control Specification

MACHINE MODEL	SERIAL NUMBER
D375A-5 (Radio-Control Specification)	**18001 and up**

- This manual contains only information related to the Radio-Control Specification.
  For other information, see the D375A-5 Shop Manual SEBM023503.

- This shop manual may contain attachments and optional equipment that are not available in your area.
  Please consult your local Komatsu distributor for those items you may require.
  Materials and specifications are subject to change without notice.

- D375A-5 mounts the SA6D170E-3 engine.
  For details of the engine, see the 170-3 Series Engine Shop Manual.

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TABLE OF ADJUSTMENT MODES AND ADJUSTMENT PROCEDURE (RADIO-CONTROL SPECIFICATION)

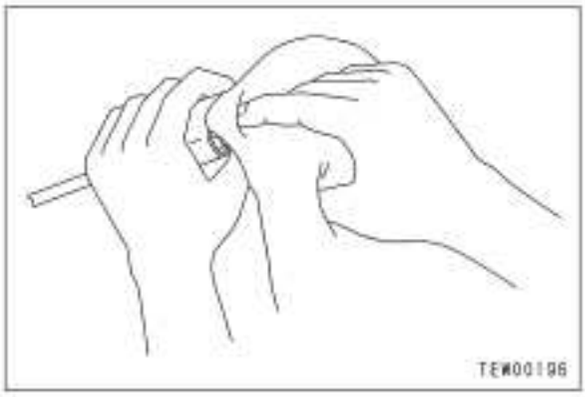
Order	Code	Contents of adjustment	Related information
[6] - 1	UA	Model code check RC controller	Specification code [ ]
[32] (※1)	3d	Radio control 3rd gear speed cut mode	Specification code [ ]
[33]	UO	Initialization of radio control adjustment value	–
[34]	UL	Work equipment current adjustment mode	Current [mA]

★ [6]-1 "Model code check RC controller is displayed after 5C: Specification code check (See the Shop Manual for Standard Machine).
★ For other adjustment modes, see the Shop Manual for Standard Machine.
※1. Serial No. 18001, 18003 and up

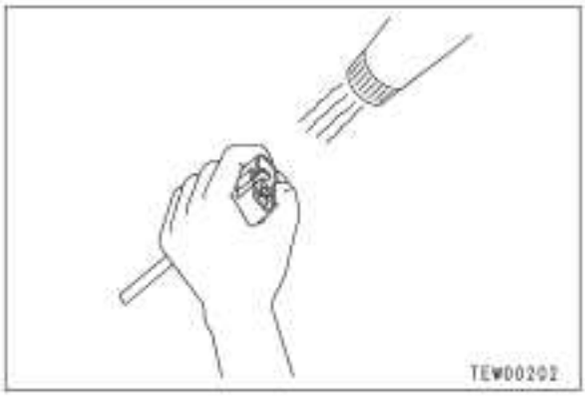
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- **Drying wiring harness**
  If there is any oil or dirt on the wiring harness, wipe it off with a dry cloth. Avoid washing it in water or using steam. If the connector must be washed in water, do not use high-pressure water or steam directly on the wiring harness.

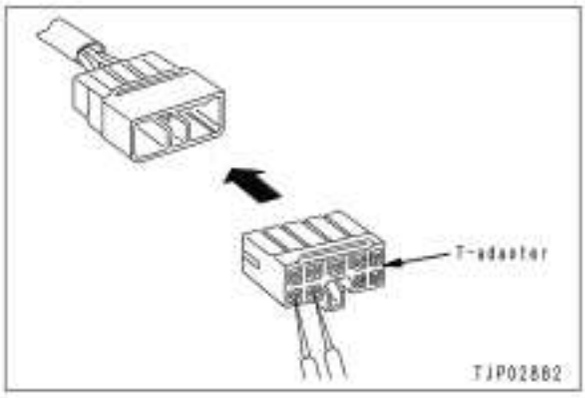
  If water gets directly on the connector, do as follows:
  ① Disconnect the connector and wipe off the water with a dry cloth.
  ★ If the connector is blown dry with compressed air, there is the risk that oil in the air may cause defective contact, so remove all oil and water from the compressed air before blowing with air.



② Dry the inside of the connector with a dryer.
If water gets inside the connector, use a dryer to dry the connector.
★ Hot air from the dryer can be used, but regulate the time that the hot air is used in order not to make the connector or related parts too hot, as this will cause deformation or damage to the connector.



③ Carry out a continuity test on the connector.
After drying, leave the wiring harness disconnected and carry out a continuity test to check for any short circuits between pins caused by water.
★ After completely drying the connector, blow it with contact restorer and reassemble.



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INFORMATION IN TROUBLESHOOTING TABLE

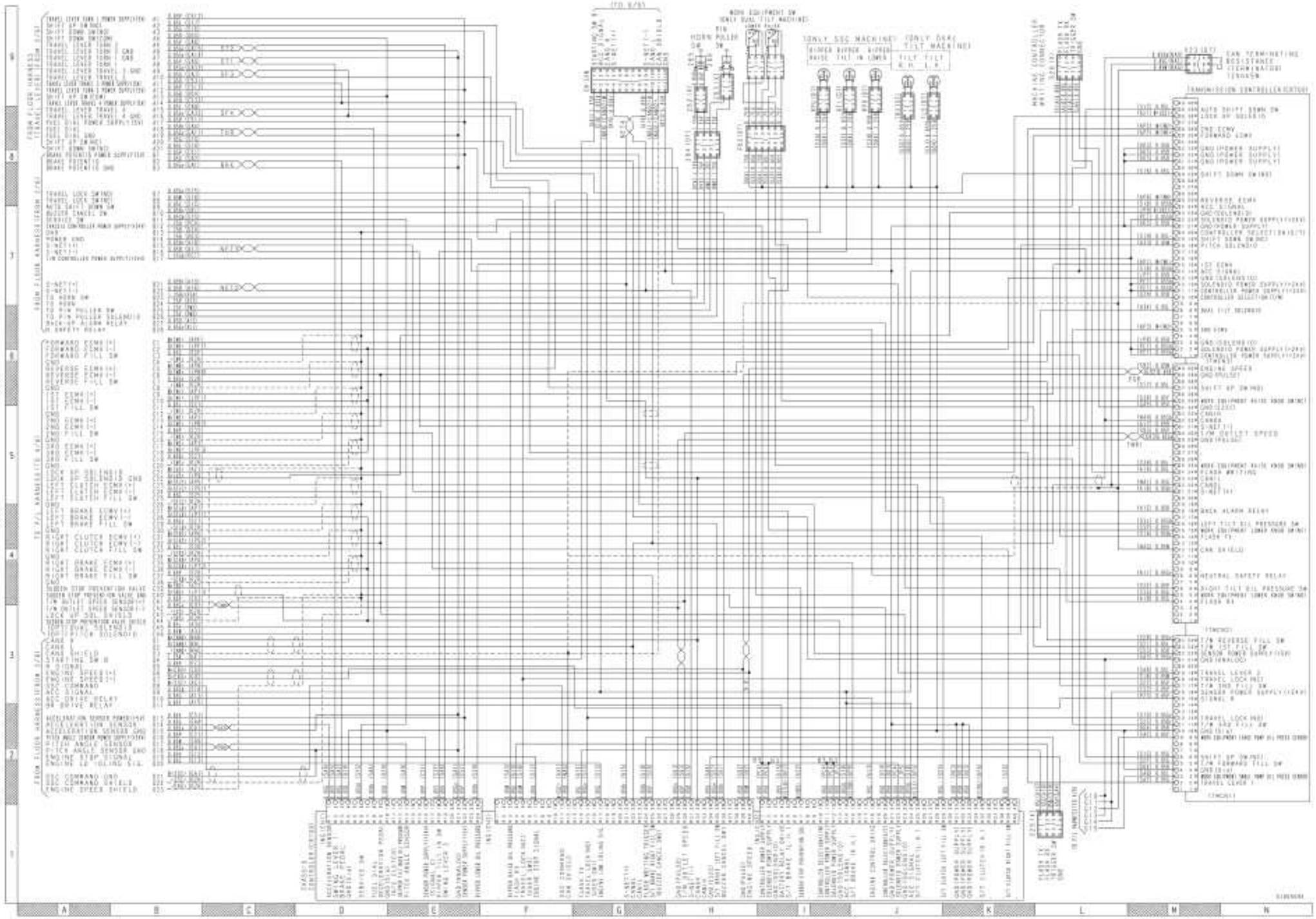
★ The following information is summarized in the troubleshooting table and the related electrical circuit diagram. Before carrying out troubleshooting, understand that information fully.

User code	Service code	Trouble	Trouble in machine
Display on panel	Display on panel		
Contents of trouble	Contents of trouble detected by monitor panel or controller		
Action of controller	Action taken by controller to protect system or devices when monitor panel or controller detects trouble		
Problem that appears on machine	Problem that appears on machine as result of action taken by monitor panel or controller (shown above)		
Related information	Information related to detected trouble or troubleshooting		

	Cause		Standard value in normal state/Remarks on troubleshooting
Possible causes and standard value in normal state	1 2 3 4	Possible causes of trouble (Given numbers are reference numbers, which do not indicate priority)	<Contents of description> • Standard value in normal state to judge possible causes • Remarks on judgment <Troubles in harness> • Disconnection Connector is connected imperfectly or harness is broken. • Short circuit with chassis ground Harness which is not connected to chassis ground circuit is in contact with chassis ground circuit. • Short circuit with power source Harness which is not connected to power source (24 V) circuit is in contact with power source (24 V) circuit. • Short circuit Independent harnesses are in contact with each other abnormally. <Precautions for troubleshooting> (1) Method of indicating connector No. and handling of T-adapter Insert or connect T-adapter as explained below for troubleshooting, unless otherwise specified. • If connector No. has no marks of "male" and "female", disconnect connector and insert T-adapters in both male side and female side. • If connector No. has marks of "male" and "female", disconnect connector and connect T-adapter to only male side or female side. (2) Entry order of pin Nos. and handling of tester leads Connect positive (+) lead and negative (–) lead of tester as explained below for troubleshooting, unless otherwise specified. • Connect positive (+) lead to pin No. or harness entered on front side. • Connect negative (–) lead to pin No. or harness entered on rear side.

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ELECTRICAL CIRCUIT DIAGRAM (3/6)



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