SHOP MANUAL

KOMATSU®

D155A-5

Machine model	Serial number
D155A-5	**65001 and up**

- 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.

- D155A-5 mounts the SA6D140E-2 engine.
  For details of the engine, see the 6D140-2 Series Engine Shop Manual.

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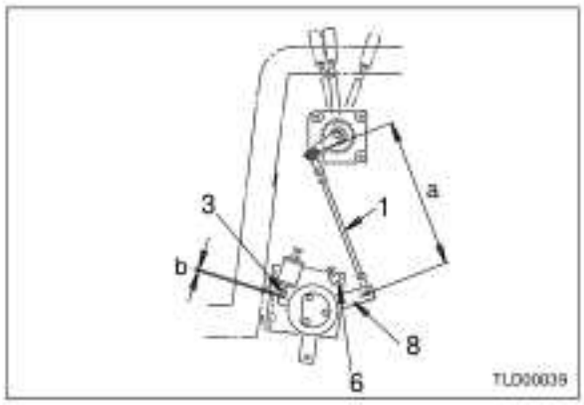
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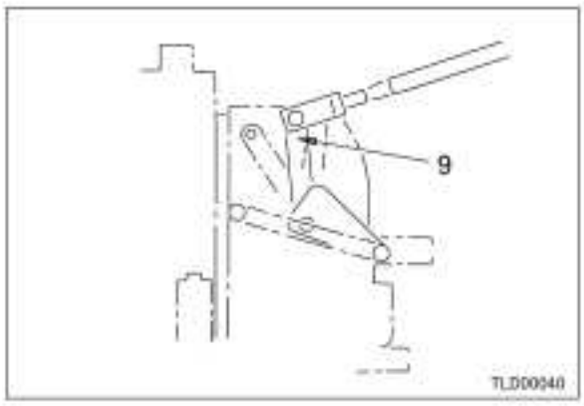
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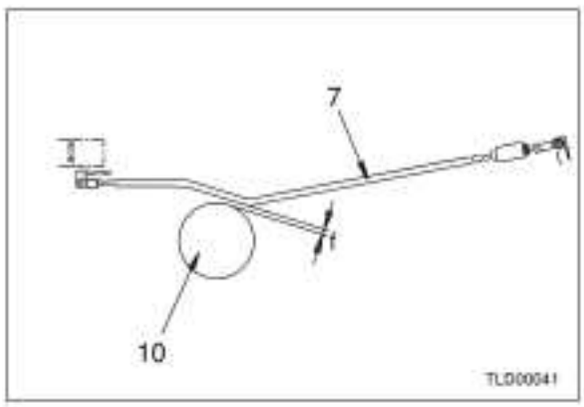
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1. Adjust distance "**a**" between the pins of rod (1) to the dimension given below, then connect fuel control lever (2).
   ★ Dimension "**a**": 316 mm
2. Set fuel control lever to the idling position.
   ★ Move the fuel control lever in the idling direction. The position where clearance "**b**" from IDLING stopper (3) is 0 is the idling position.
3. Connect so that distances "**c**" and "**d**" between the pins of rods (4) and (5) are the dimensions given below.
   ★ Dimension "**c**": 288 mm
   Dimension "**d**": 539 mm
4. Operate fuel control lever (2) 100 mm in the full throttle direction to bring it lightly into contact with bolt (6) of FULL stopper.
   ★ There is no need to lock it at this point.
5. Connect so that distance "**e**" between the pins of rod (7) is the dimension given below.
   ★ Dimension "**e**": 1113 mm
6. Adjust rod (7) again so that pump governor lever (9) contacts the FULL stopper when lever (8) is in contact with stopper bolt (6).
7. Adjust the angle of rod (7) so that clearance "**f**" between rod (7) and power train oil filter (10) is the dimension given below, then secure the rod in position.
   ★ Clearance "**f**": Min. 10 mm
8. Start the engine, operate the fuel control lever to the FULL position, then measure the high idling speed.
   ★ Check that loose spring (11) does not deflect more than 1 mm.
   ★ Check that injection pump governor lever (9) is in contact with the FULL stopper.
   ★ Engine high idling speed : 2,050 ± 50 rpm
9. Set the fuel control lever to the low idling position, and adjust rod (1) to give the low idling speed.
10. Move the fuel control lever gradually to the FULL position, and when the speed is the high idling speed measured in Step 8, lock stopper bolt (6) at the guide to secure it in position.



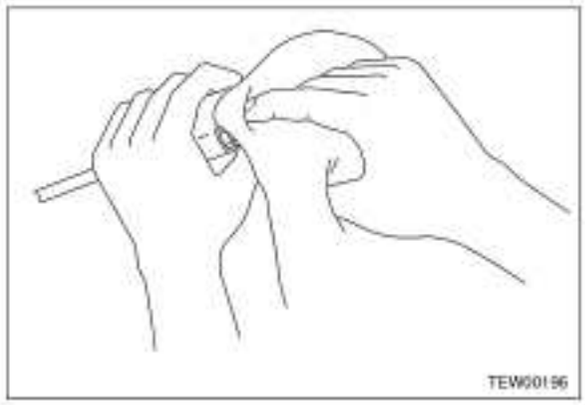




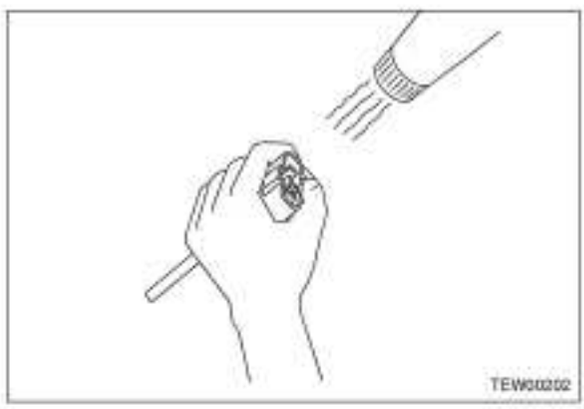
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- **Drying wiring harness**
  If there is any oil or dirt on the wiring harness, wipe it off with a dry cloth. Avoid washing it in water or using steam. If the connector must be washed in water, do not use high-pressure water or steam directly on the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

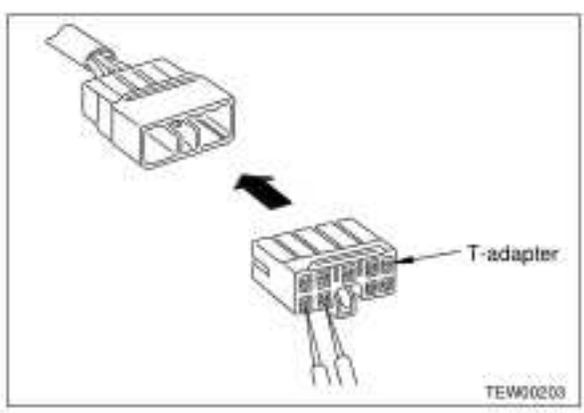
  If water gets directly on the connector, do as follows.
  (1) Disconnect the connector and wipe off the water with a dry cloth.
    ★ If the connector is blown dry with compressed air, there is the risk that oil in the air may cause defective contact, so remove all oil and water from the compressed air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



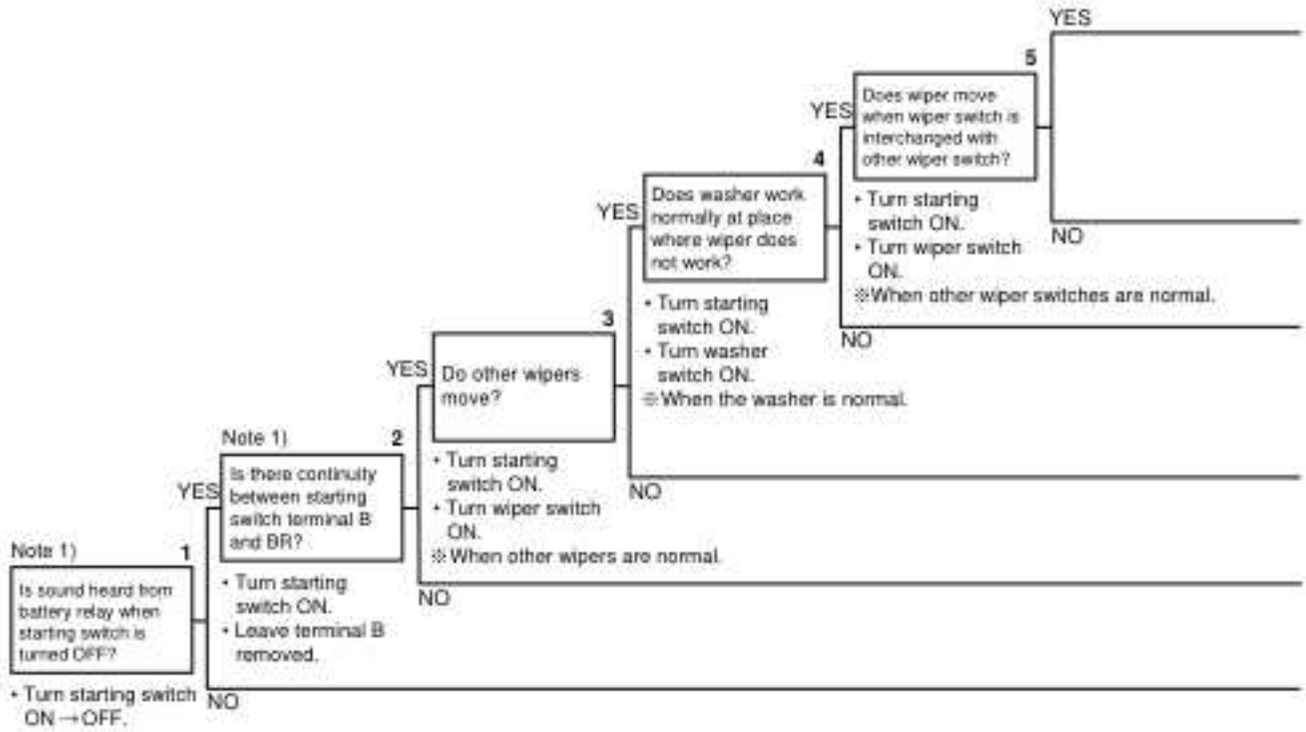
  (3) Carry out a continuity test on the connector.
  After drying, leave the wiring harness disconnected and carry out a continuity test to check for any short circuits between pins caused by water.
    ★ After completely drying the connector, blow it with contact restorer and reassemble.



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M-12. Wiper does not work

- ★ When the battery is normal.
- ★ Check that each wiper fuse is normal before carrying out troubleshooting.
- ★ Before carrying out troubleshooting, check that all the related connectors are properly inserted.
- ★ Always connect any disconnected connectors before going on to the next step.

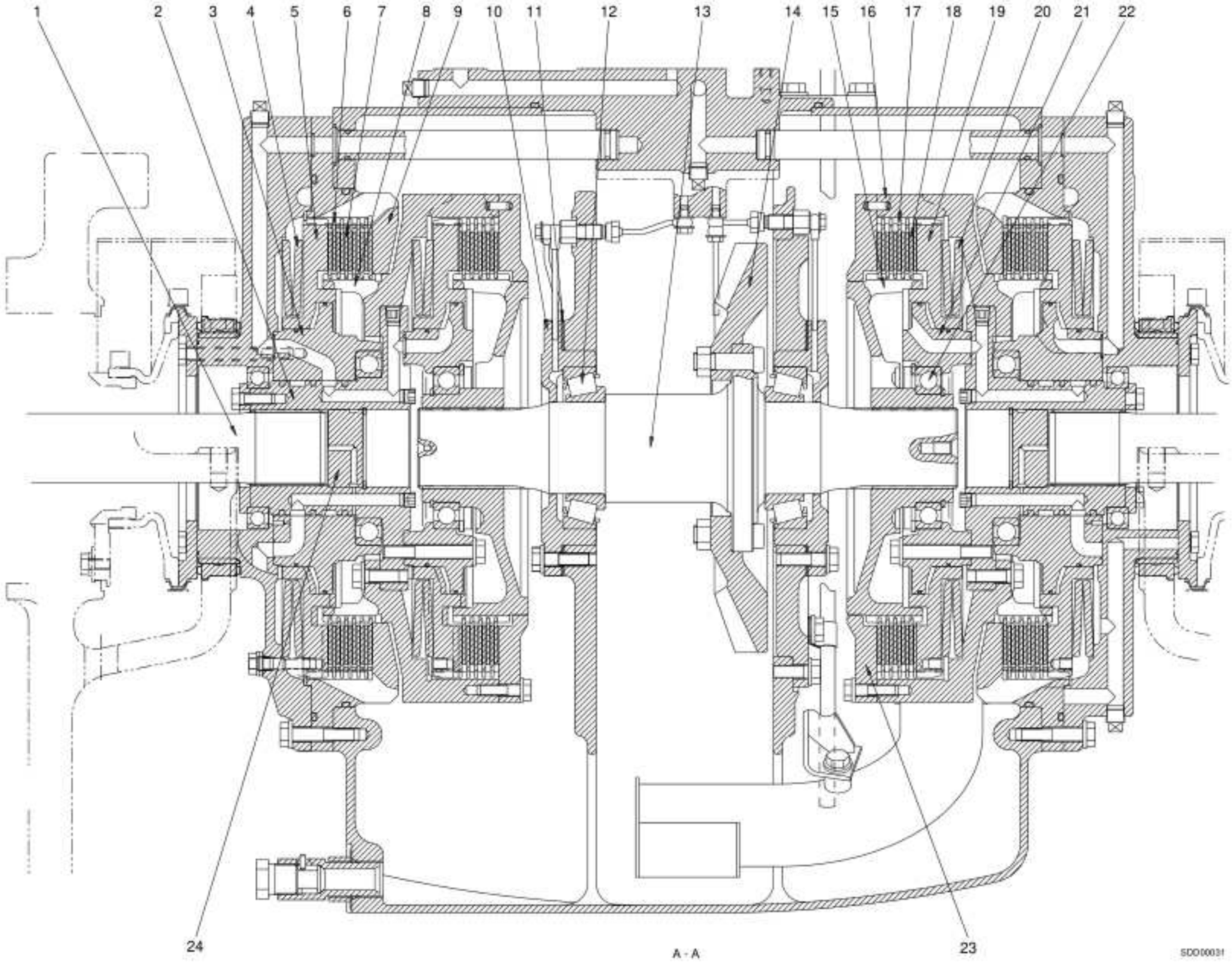


Note 1) If the lamp (front lamp, rear lamp) or horn circuits are normal, it is also possible to carry out troubleshooting by checking if the lamps light up normally or if the horn sounds normally.

Note 2) This troubleshooting flow chart uses the left wiper as an example. When checking the other wipers, the connector No. corresponding to CN11 at the cab end is as given in the table below.

Wiper position	Left	Front	Right	Rear
Connector No.	CN11	CN12	CN13	CN14

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1. Output shaft
2. Brake hub
3. Brake cage
4. Spring
5. Brake piston
6. Brake plate (5 on each side)
7. Brake disc (6 on each side)
8. Brake inner drum
9. Brake outer drum
10. Bearing cage
11. Shim (for adjusting bearing preload)
12. Bearing
13. Bevel gear shaft
14. Bevel gear (43 teeth)
15. Clutch inner drum
16. Clutch outer drum
17. Clutch plate (5 on each side)
18. Clutch disc (5 on each side)
19. Clutch piston
20. Spring
21. Clutch cage
22. Bearing
23. Clutch stopper
24. Stopper
25. Shim (for adjusting bevel pinion gear)
26. Bearing cage
27. Bearing
28. Nut (for adjusting bearing preload)
29. Bevel pinion gear (17 teeth)

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