Shop Manual

DG694



210M

DUMP TRUCK

SERIAL SUFFIX **BFA40BX THRU CZ**

24361 THRU 24511

KOMATSU®

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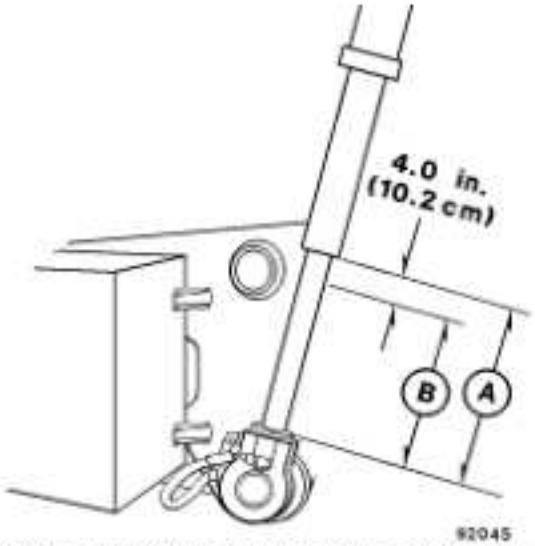


FIGURE 3-8. HOIST CYLINDER MEASUREMENT

A. Length of Cylinder Rod @ Complete Extension
B. Complete Extension less 4 in. (10.16 cm).

3. Measure length of lower hoist cylinder rod shown as "A", Figure 3-8. Record measurement.
4. Lower body to frame. Subtract 4 in. (10.16 cm.) from dimension found in Step 3 and record as dimension "B".
5. Raise body until exposed length of lower hoist cylinder rod equals dimension "B".
6. Install indicator arm plate (2, Figure 3-9). Loosen capscrews and nuts (4, Figure 3-10) and adjust gap between body-up limit switch (2) and indicator arm plate (1) to 0.25 in. (6.35 mm.) Tighten nuts (4) to standard torque.
7. Loosen capscrews (1, Figure 3-9) on indicator arm plate (2). Adjust arm to **overlap** end of switch (5) by 0.75 ± 0.25 in. (19.05 ± 6.35 mm). Tighten capscrews to standard torque.
8. Place hoist control switch in "Power Down" position and lower body to frame.

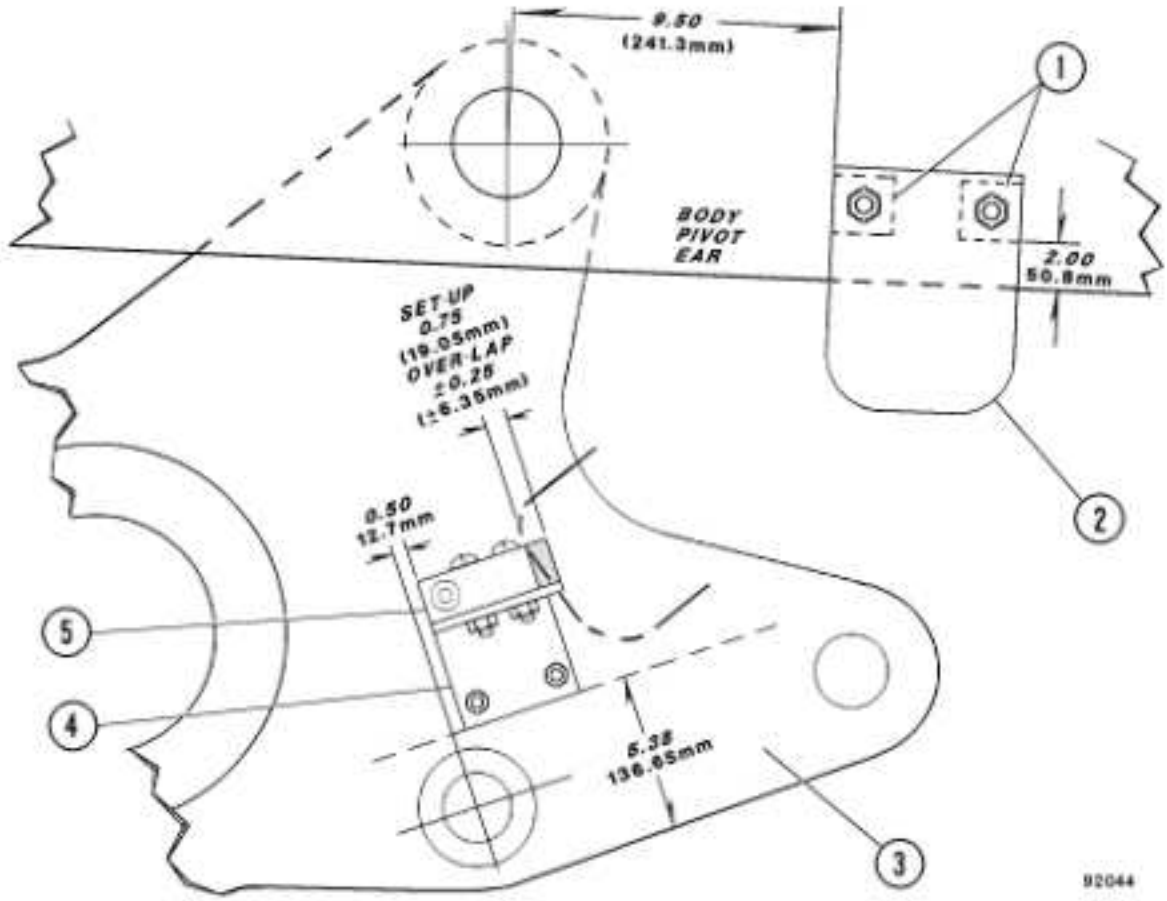


FIGURE 3-9. BODY-UP LIMIT SWITCH ADJUSTMENT

1. Tapped Pads and Capscrews
2. Indicator Arm Plate
3. R.H. Frame (Inboard Rear)
4. Mounting Bracket with Mounting Hardware
5. Body-Up Limit Switch with Mounting Hardware

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TROUBLESHOOTING CHART (Continued)

POSSIBLE CAUSES	*SUGGESTED CORRECTIVE ACTION*
TROUBLE: Pump Making Noise	
Low oil level.	Fill to proper level.
Wrong viscosity oil.	Fill with proper oil.
Suction line restricted.	Check all strainers and filters for dirt and sludge. Clean if necessary.
Suction line air leak.	Inspect inlet hose and fittings.
Pump drive speed too slow or too fast.	Check and adjust engine RPM.
Broken vanes or vane ring.	Remove and rebuild/replace pump.
TROUBLE: Hot Oil	
Low oil level.	Fill to proper level.
High pressure leak in steering circuit.	Refer to "Steering Circuit Test Procedure".
Partial restriction in hoist valve.	Check pilot pressure. Defective relief valve or O-rings in relief valve.
Restricted heat exchanger.	Remove and clean.
Improper gear range during retarding.	Select proper gear range.
Worn pump.	Remove pump and repair.
Hoist-up/return check valve orifice restricted.	Remove check valve and clean. Inspect for 0.375 in. (9.53 mm) orifice. Replace if necessary.
Pilot line check valves installed incorrectly for free flow or orifice restricted preventing free flow of hydraulic oil back to tank	Remove check valves and clean. Inspect for 0.040 in. (1.016 mm) orifice. Replace if necessary. Install check valves with correct direction of free oil flow.

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