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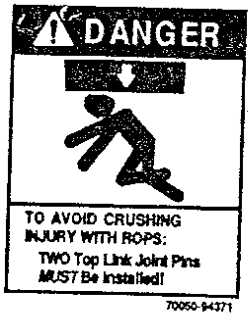
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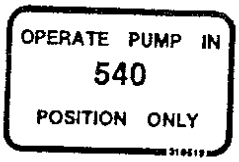
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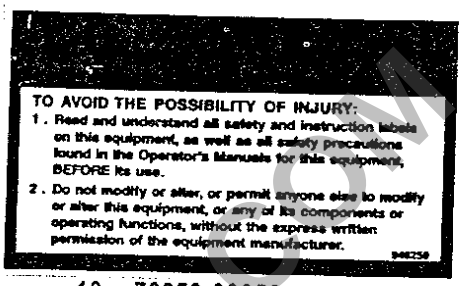
SAFETY SIGN ILLUSTRATIONS & PART NUMBERS



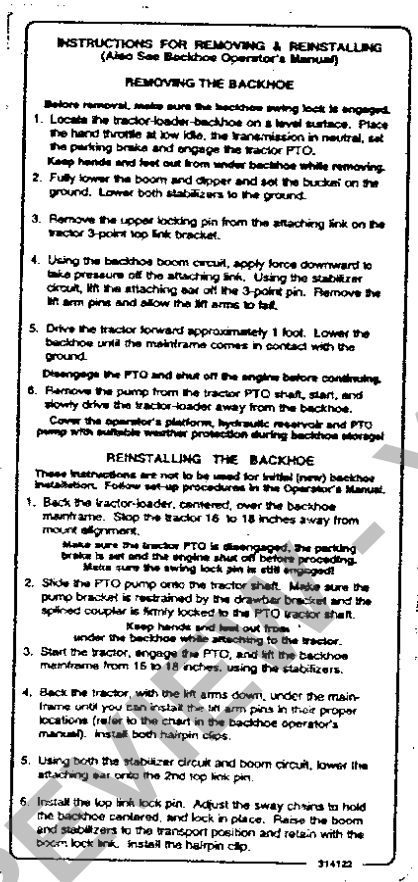
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4. 70050-02373



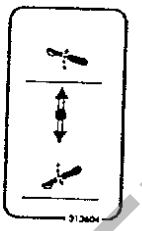
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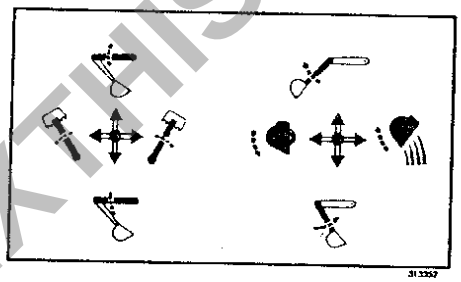
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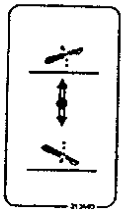
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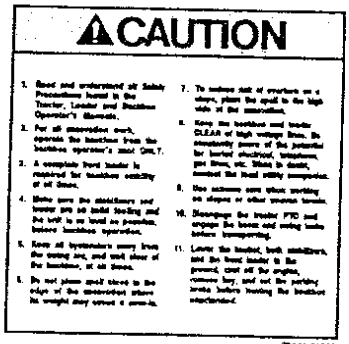
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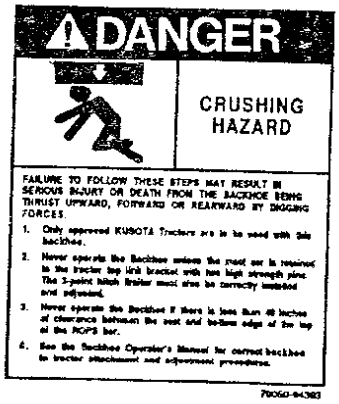
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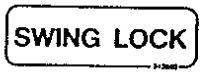
7. 70050-93390



8. 70050-94392



9. 70050-94393



11. 70050-93389



12. 70050-93388



13. 70050-02082



13. 70050-02083

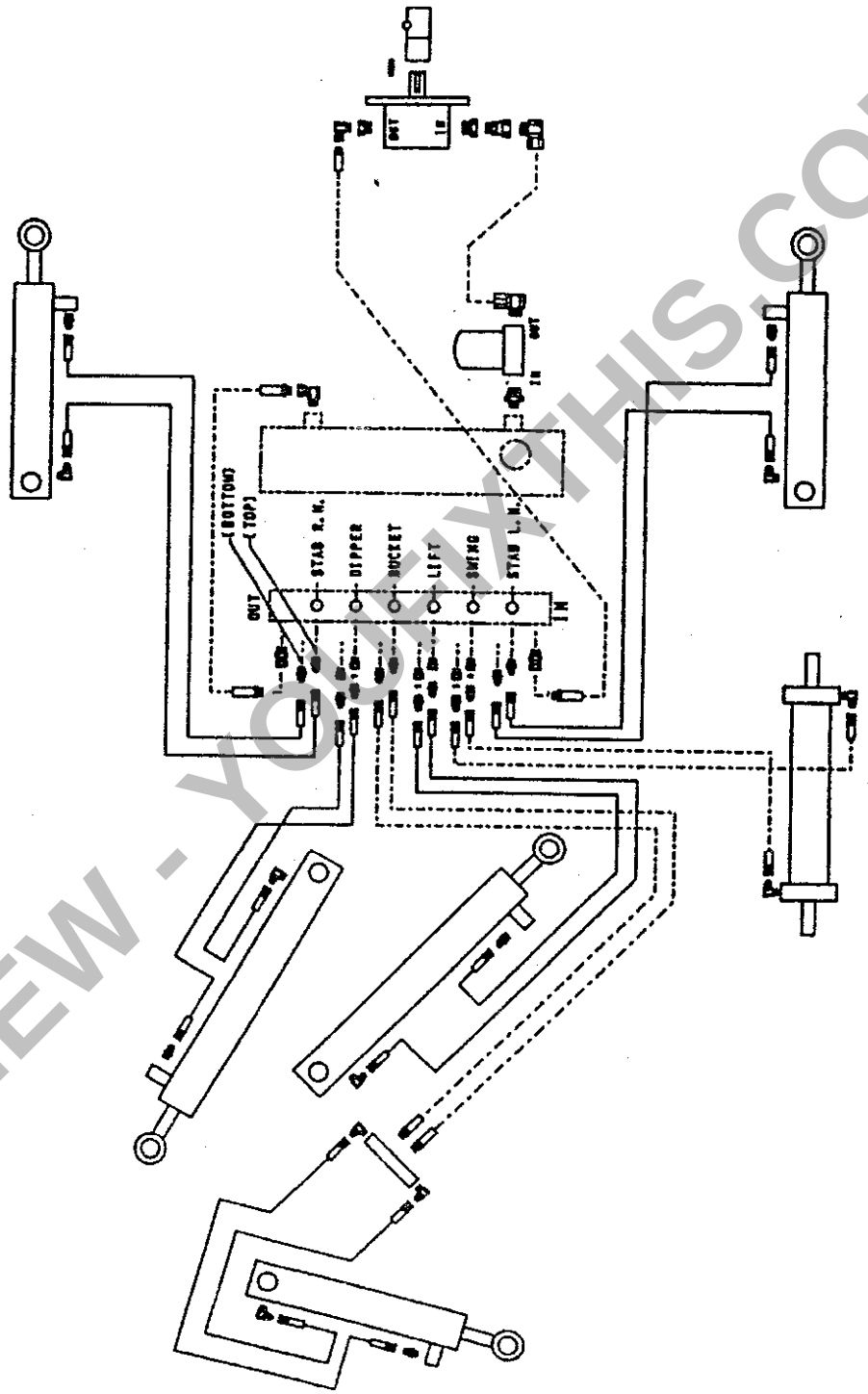


14. 70050-01569

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HYDRAULIC CIRCUIT SCHEMATIC



IMPORTANT:
Restrictor plate size and location is critical to safe backhoe operation. If the valve is serviced and the restrictors are removed, refer to the drawing on page 61 for correct restrictor size and port location during reassembly.

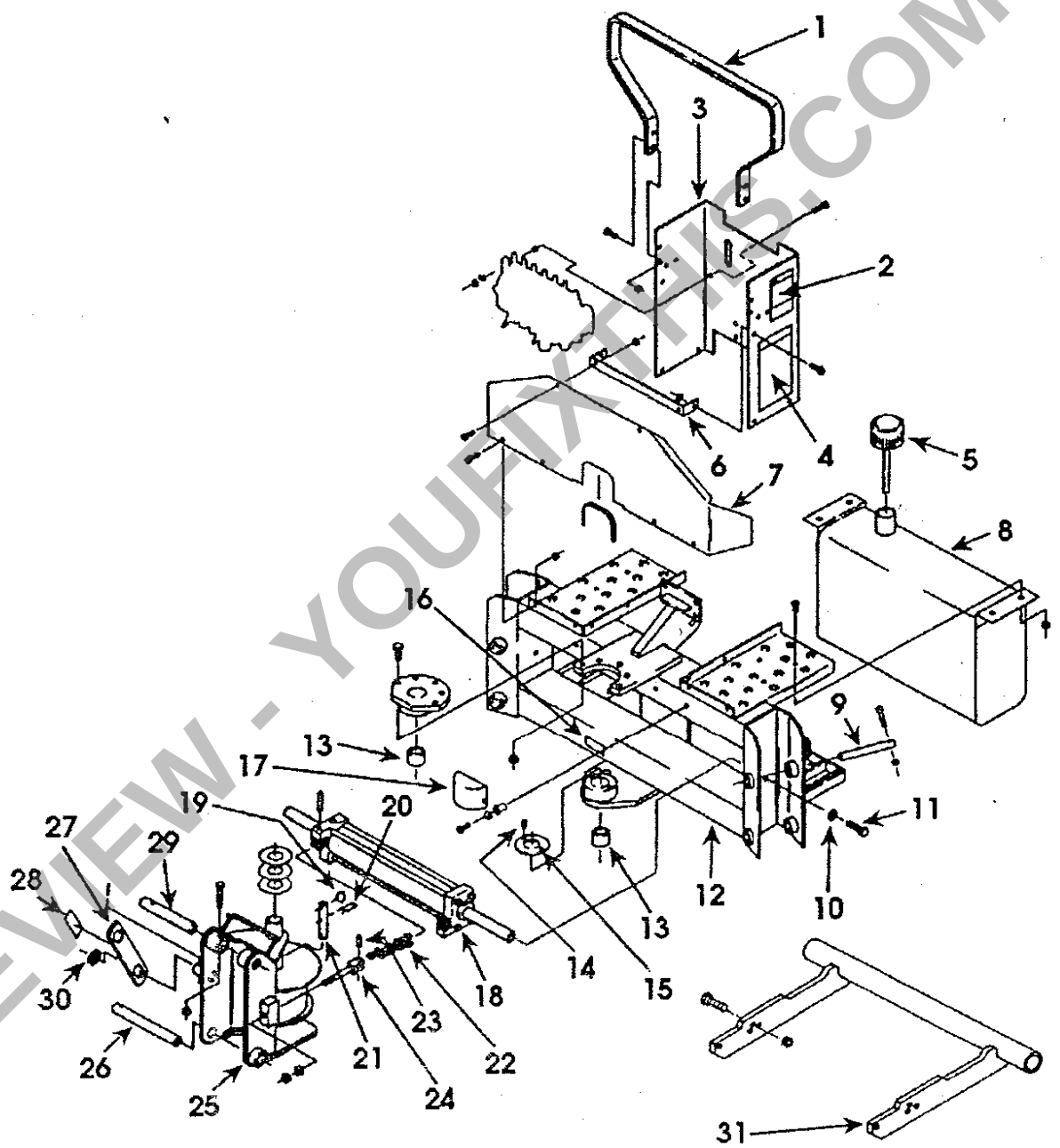
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REF	PART NUMBER	DESCRIPTION	QTY
1	70050-93720	GUARD	1
2	70050-93721	Safety Sign, WARNING, Removal	2
3	70050-93722	CONSOLE, w/Signs	1
4	70050-93723	Safety Sign, INSTRUCTION, Attaching	2
5	70050-02751	PRESSURE CAP, Filler-Dipstick	1
6	70050-93724	STRAP, Mounting	1
7	70050-93725	SHIELD, Valve	1
8	70050-93726	RESERVOIR, Hydraulic Oil	1
9	70050-93727	PIN, 1 x 6-1/4, Drilled	4
10	70050-93840	FLAT WASHER, 5/8 - Hardened	2
11	75599-02730	BOLT, 5/8-18 x 1-1/2 UNF	2
12	70050-93728	MAINFRAME	1
13	70050-02309	BEARING, 1-3/4 OD x 1-1/2	2
14	70050-94389	ROLL PIN, 3/16 x 1/2	1
15	70050-02417	THRUST WASHER	1
16	70050-93389	Sign, INSTRUCTION, Swing Lock	1
17	70050-02464	BUMPER PAD, Swing	2
18	70050-93729	CYLINDER, Swing	1
19	70050-02840	RING, Circle Cotter	1
20	70050-01621	HITCH PIN, 3/16	3
21	70050-93730	PIN, Swing Lock	1
22	70050-93731	CHAIN LEAF, 14 Links	2
23	70050-94387	ROLL PIN, 5/16 x 1-1/4	2
24	70050-93733	CONNECTOR	2
25	70050-93734	SWING FRAME	1
26	70050-93735	PIN, 1 x 7-1/2 Drilled	1
27	70050-93736	LINK, Boom Lock	1
28	70050-93388	Sign, INSTRUCTION, Boom Lock	1
29	70050-93737	PIN, 1 x 5-13/16 Drilled	1
30	70050-93738	BUSHING, 1 x 1-1/2 OD	1
31	70050-94380	LIMITER, 3-Point Hitch	1

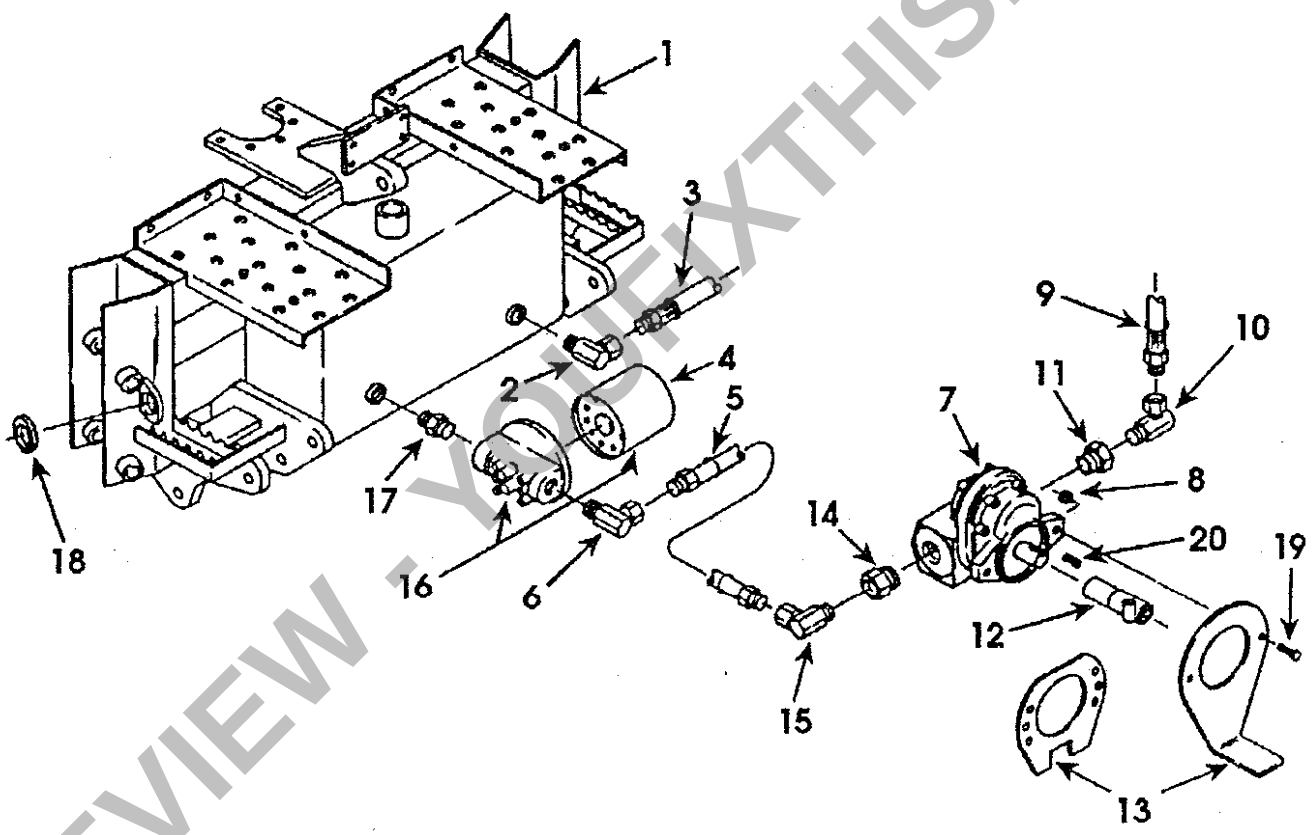
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OPERATING SPEEDS

The 4600 Series Backhoe can be operated at any engine speed from 1800 to factory rated RPM, in the 540 PTO-RPM position. The backhoe is most efficient at full engine speed. However, in easy digging conditions, or in residential neighborhoods where noise may be a consideration, the engine speed can be lowered to 1800 to 2400 RPM based on performance requirements.

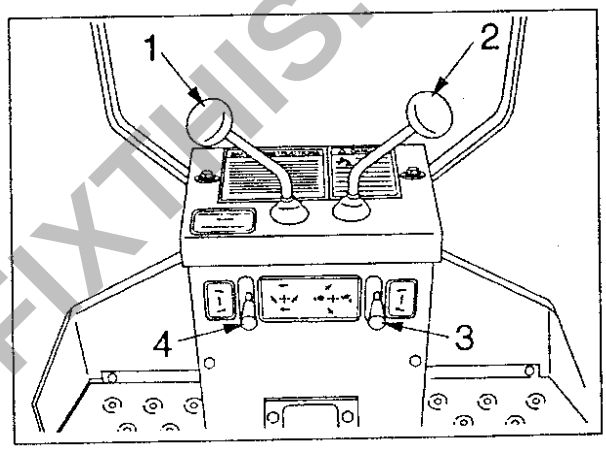
IMPORTANT:
The 3-point hitch lever must remain in the down position at all times when the backhoe is mounted.

CAUTION:
Use care when operating on slopes to avoid an overturn. Travel at speeds compatible with safe operation, especially when operating on uneven terrain, crossing ditches or when turning.

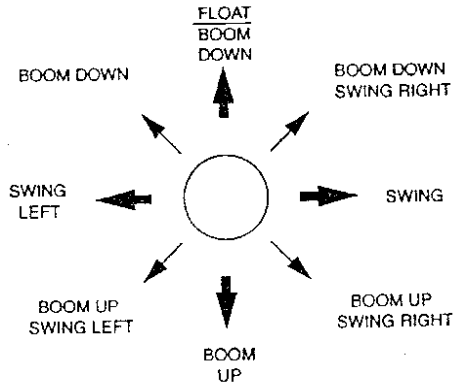
Due to the configuration of the tractor, with separate operator's stations divided by the ROPS, the backhoe should not be used to move the unit. The boom and dipper and both stabilizers should be raised to clear ground level, and the unit should be moved along the trench line or excavation with the tractor.

CAUTION:
DO NOT permit anyone but the operator to ride on the unit while in operation or transport. There is NO SAFE PLACE for passengers on this equipment.

CAUTION:
DO NOT change any backhoe control valve relief settings. They have been factory set for best backhoe performance and operator safety.



1. Boom & Swing Lever 2. Crowd & Curl Lever
3. RH Stabilizer Lever 4. LH Stabilizer Lever



BACKHOE CONTROLS

The backhoe is controlled by the use of a two lever "joystick" system. The left lever controls the boom and swing circuits and the right lever controls the crowd (dipper) and curl (bucket) circuits. The further the levers are moved from neutral, the faster the components will move. Learn to "feather" the controls for smooth precise component movement.

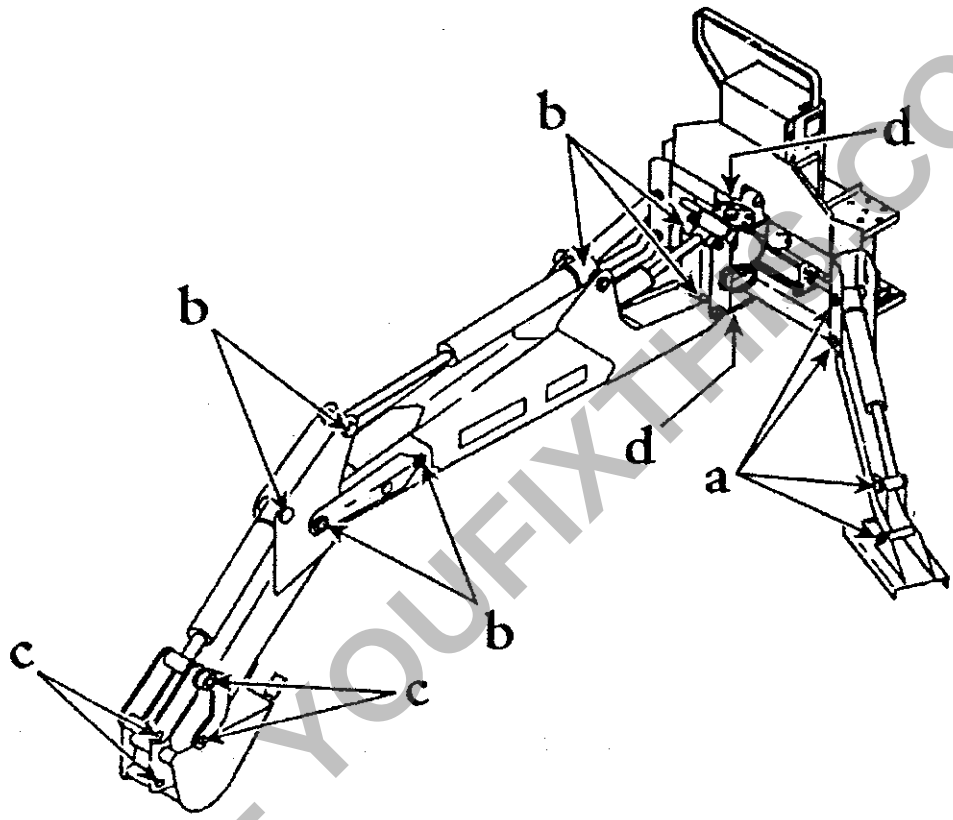
1. BOOM & SWING LEVER. (LH)

Pushing this lever forward will lower the boom, dipper and bucket. Latching it in the forward most position will allow the boom and dipper to "float" down. Pulling this lever back will raise the boom and dipper. Movement to the left will swing the backhoe to the left, and right lever movement will swing the backhoe to the right.

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BACKHOE LUBRICATION FITTINGS



GREASE FITTINGS are provided at the points shown in the illustration above, in the areas listed below. There are a total of 21 grease fittings on the 4600 Series Kubota Backhoe. Using a high quality multi-purpose grease, lubricate all fittings on the backhoe every 10 hours of continuous operation, or daily.

IMPORTANT:
The bucket and link pins (C) should be greased every 2 to 4 hours if the backhoe is being used in muddy or water laden ground conditions.

a. Stabilizer Arms and Cylinder Ends ..... 8 fittings, 4 per side

b. Boom, Cylinders, and Upper Dipper ..... 7 fittings

c. Lower Dipper and Bucket Links ..... 4 fittings

d. Swing Post Pivot Pin ..... 2 fittings

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