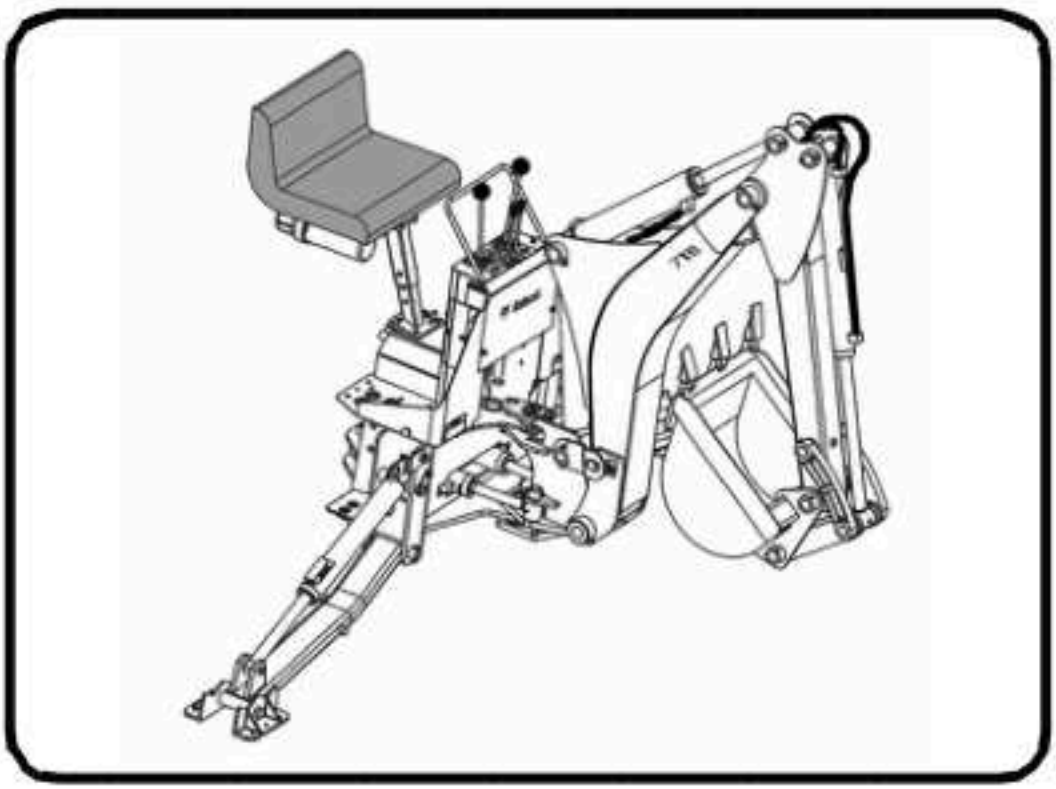
Bobcat®

Service Manual
Tractor Backhoe

(6TB) S/N A91400101 & Above
(7TB) S/N AE3H00101 & Above
(8TB) S/N AE3L00101 & Above



6986711 (10-10)

Printed in U.S.A.

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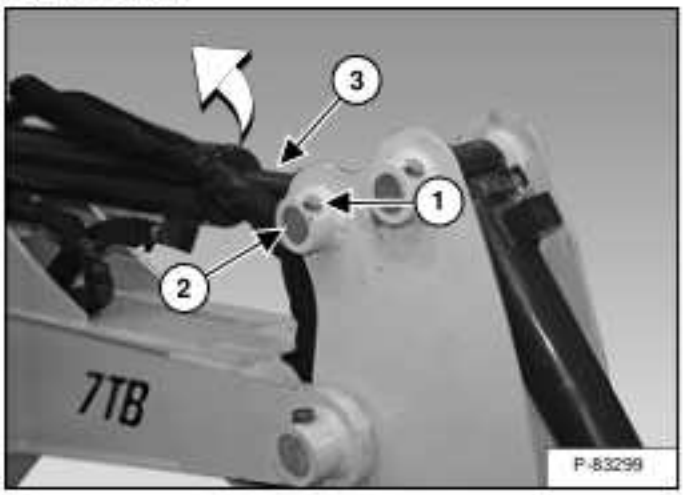
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Removal And Installation (Cont'd)

Figure 30-11-4

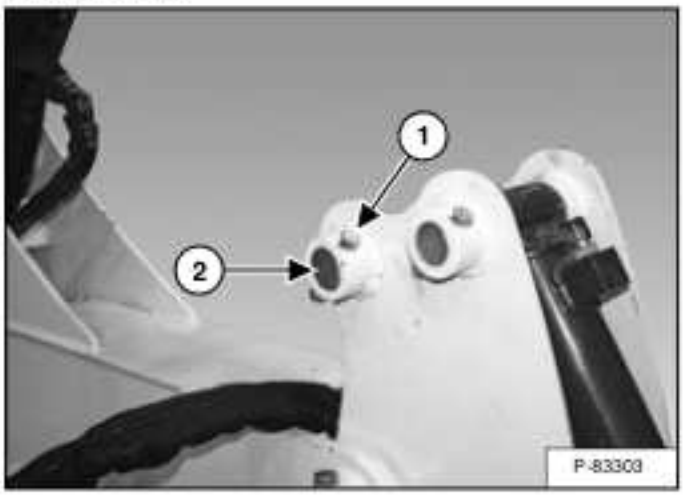


Remove retaining bolt (Item 1) and nut. Remove pivot pin (Item 2) **[Figure 30-11-4]**.

Installation: Tighten retaining bolt to 21 - 23 N•m (180 - 200 in-lb) torque.

Rotate arm cylinder (Item 3) **[Figure 30-11-4]** up and away from the arm.

Figure 30-11-5



Re-install pivot pin (Item 1) and retaining bolt (Item 2) **[Figure 30-11-5]** and nut.

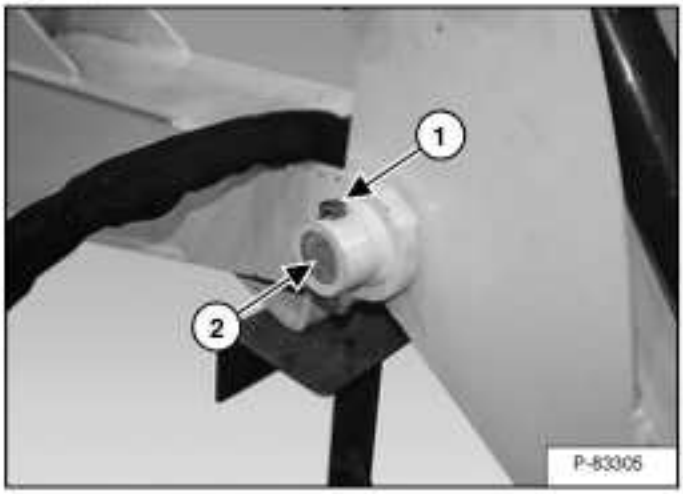
Figure 30-11-6



Install a chain **[Figure 30-11-6]** around the pivot pin and then to a lifting device. Raise the lifting device taking the slack out of the chain.

NOTE: Use chains or straps that are in good condition and of adequate size to lift the attachment.

Figure 30-11-7



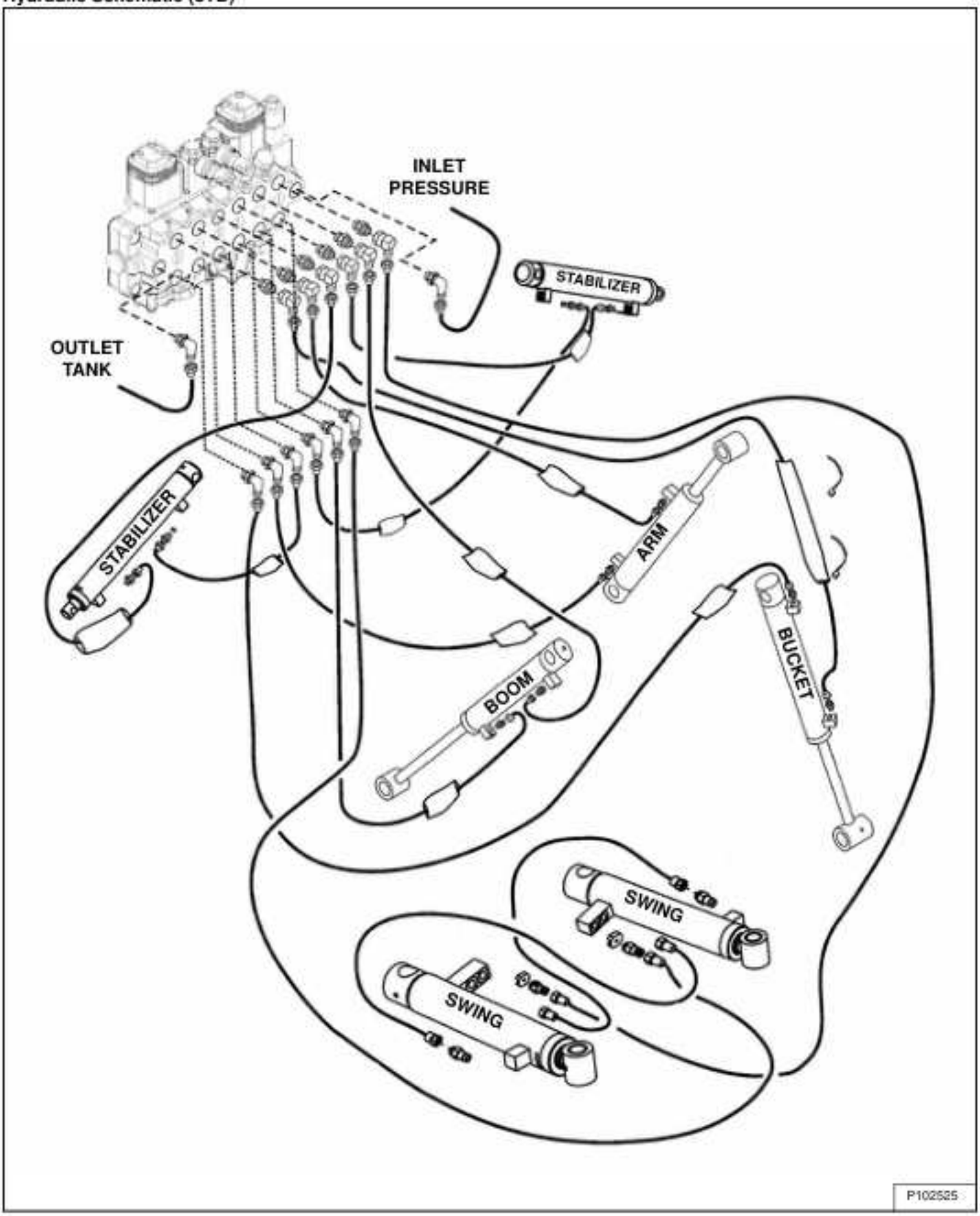
Remove the retaining bolt (Item 1), nut and pivot pin (Item 2) **[Figure 30-11-7]**.

Installation: Tighten retaining bolt to 21 - 23 N•m (180 - 200 in-lb) torque.

Raise the lifting device and move the arm away from the boom.

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Hydraulic Schematic (8TB)



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(8TB) TRACTOR BACKHOE SPECIFICATIONS (CONT'D)

Dimensions (Cont'd)

DESCRIPTION	8TB BACKHOE
Digging Depth (2 ft Flat Bottom) (**A**)	2476,75 mm (97.51 in)
Reach From Pivot Point (**B**)	3432,30 mm (135.13 in)
Loading Height (Bucket at 60 degrees) (**C**)	2032 mm (80 in)
Loading Reach (**D**)	1310,64 mm (51.6 in)
Maximum Leveling Angle (**E**)	18°
Swing Arc (**F**)	180°
Bucket Rotation (**G**)	180°
Stabilizer Spread (Transport) (**H**)	1365,25 mm (53.75 in)
Stabilizer Spread (Operating) (**I**)	2286 mm (90 in)
Overall Width	1365,25 mm (53.75 in)

Performance

DESCRIPTION	8TB BACKHOE
Boom Swing Mechanism	Twin Cylinder
Digging Force Using Bucket Cylinder	1885,13 kg (4156 lb)
Digging Force Using Arm Cylinder	990,19 kg (2183 lb)
Lift Capacity Boom Cylinder	248,12 kg (547 lb)
Digging Depth (Maximum)	2625,34 mm (103.36 in)
Net Weight (With 305 mm (12 in) Bucket)	625,23 kg (1378 lb)

Controls

DESCRIPTION	8TB BACKHOE
Boom & Swing	Left Hand Lever (with detent (float) feature)
Arm & Bucket	Right Hand Lever

Hydraulic System

CYLINDER DESCRIPTION	PISTON DIA.	STROKE	RETRACTED LENGTH	EXTENDED LENGTH	ROD DIA.
Boom	69,85 mm (2.75 in)	425,45 mm (16.75 in)	647,7 mm (25.50 in)	1073,15 mm (42.25 in)	38.10 mm (1.50 in)
Arm	57,15 mm (2.25 in)	447,04 mm (17.6 in)	665,23 mm (26.19 in)	1114,55 mm (43.88 in)	38.10 mm (1.50 in)
Bucket	57,15 mm (2.25 in)	488,95 mm (19.25 in)	685,8 mm (27.00 in)	1174,75 mm (46.25 in)	38.10 mm (1.50 in)
Swing	57,15 mm (2.25 in)	217,4 mm (8.56 in)	406,4 mm (16.00 in)	623,82 mm (24.56 in)	28,70 mm (1.13 in)
Stabilizer	57,15 mm (2.25 in)	355,6 mm (14.00 in)	533,4 mm (21.00 in)	889 mm (35.00 in)	35,05 mm (1.38 in)

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