

Hydraulic Breaker

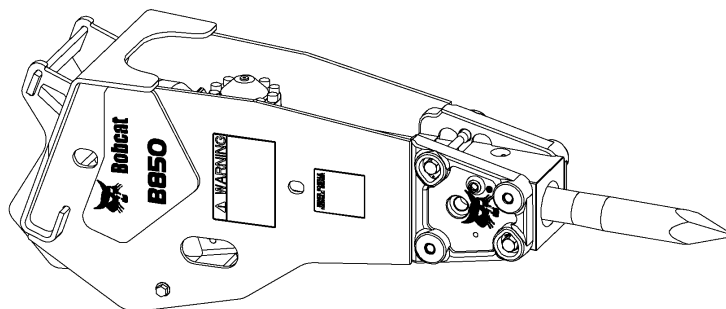
B850
B950



Bobcat®

Operation & Maintenance Manual

S/N 794000101 & Above
S/N 797000101 & Above



Doosan purchased Bobcat Company from Ingersoll-Rand Company in 2007. Any reference to Ingersoll-Rand Company or use of trademarks, service marks, logos, or other proprietary identifying marks belonging to Ingersoll-Rand Company in this manual is historical or nominative in nature, and is not meant to suggest a current affiliation between Ingersoll-Rand Company and Bobcat Company or the products of either.

An  Ingersoll-Rand business

Printed in U.S.A.

©Bobcat Company 2005

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: www.heydownloads.com by clicking the link below

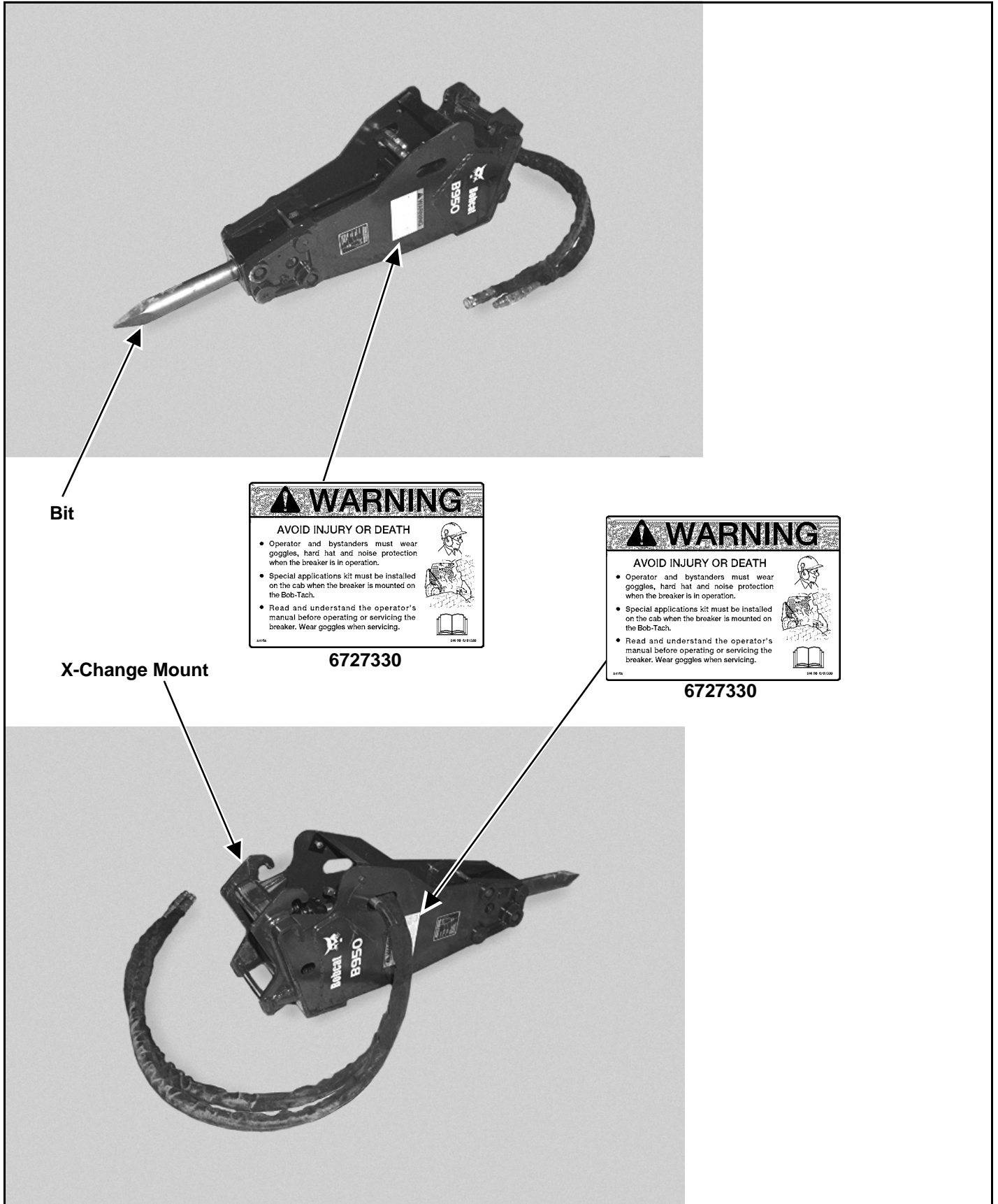


- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

PARTS IDENTIFICATION AND MACHINE SIGNS (DECALS) (CONT'D)

Excavator Mount



OPTIONS

Figure OI-1



The Loader must be equipped with front auxiliary hydraulics [Figure OI-1].

Warranty on this attachment is void if used on a non-approved carrier. See your Bobcat dealer for an updated list of approved carriers.

The following Loaders are approved for use with the B850 Hydraulic Breaker; 553 (S/N 52031 1001 And Above Only), 751, 753, 763, 773, 863 (F Series), 864, 873 (F Series), A205, S130, S150, S160, S175, S185, S205, T140, T180 and T190.

The following Loaders are approved for use with the B950 Hydraulic Breaker; 763, 773, 863, 864, 873, A205, A220, A300, S150, S160, S175, S185, S205, S220, S250, S300, T180, T190, T200, T250 and T300.

The following Excavators are approved for use with the B850 Hydraulic Breaker; 325, 328, 331, 331E, 334 and 430.

The following Excavators are approved for use with the B950 Hydraulic Breaker; 331, 331E, 334, 337, 341, 430 and 435.

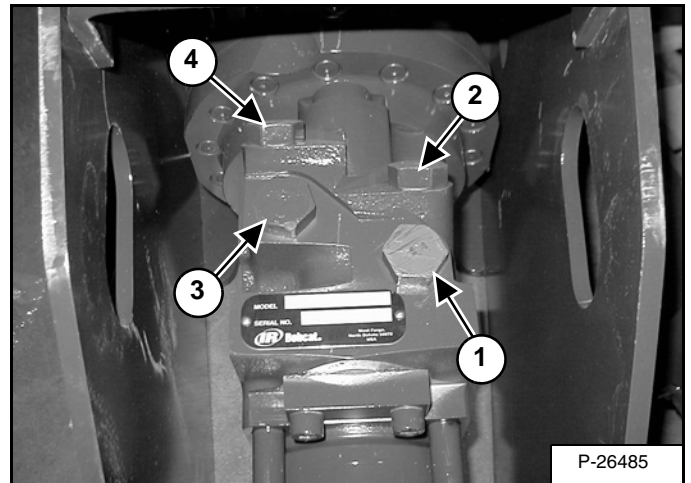
NOTE: A special application kit is available for Loaders and Excavators and is recommended for use with the hydraulic breaker. See your Bobcat dealer for availability.

The B850/B950 Hydraulic Breaker does not need a direct to tank return for proper hydraulic operation. If the Excavator is equipped with a direct to tank valve, the direct to tank option may be used.

HOSE INSTALLATION

The breaker is supplied without the hoses and couplers installed on the breaker.

Figure OI-2



There are two high pressure ports (Item 1 & 2) and two return ports (Item 3 & 4) [Figure OI-2] on the breaker housing.

Do Not use the ports (Item 2 & 4) [Figure OI-2].

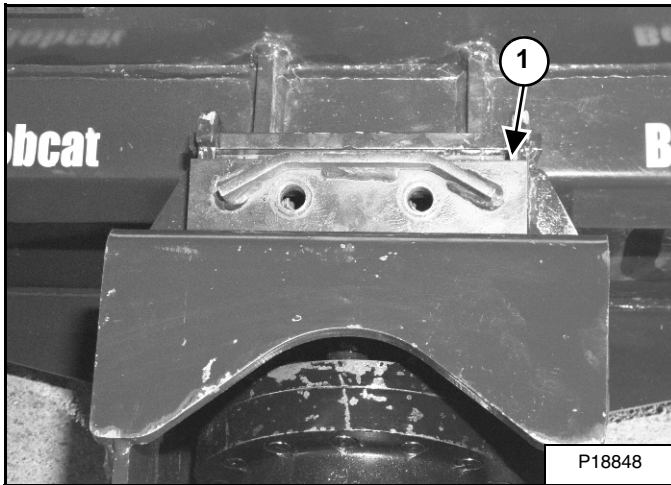
The port marked *HP* (Item 1) [Figure OI-2] will be connected to the breaker hose with the male coupler.

The port marked *LP* (Item 3) [Figure OI-2] will be connected to the breaker hose with the female coupler.

HYDRAULIC BREAKER INSTALLATION AND REMOVAL ON LOADERS (CONT'D)

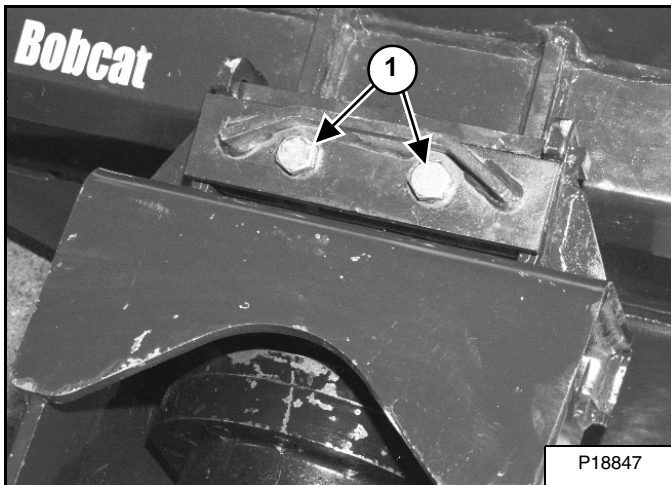
Installing The Hydraulic Breaker On The Loader Mount (Cont'd)

Figure OI-29



Install the plate (Item 1) [Figure OI-29].

Figure OI-30

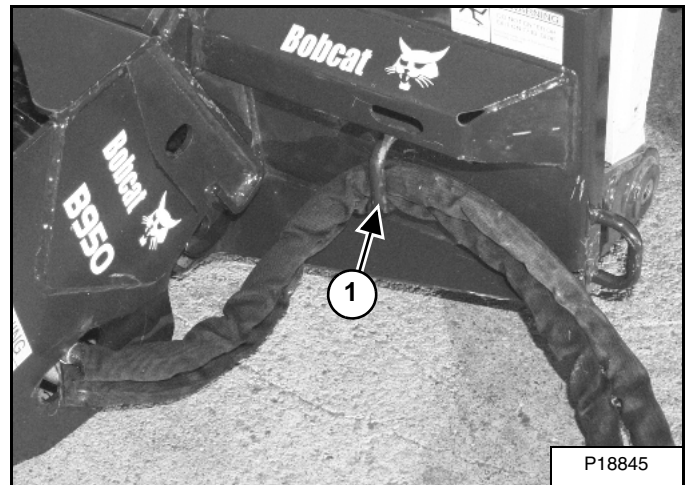


Install the bolts (Item 1) [Figure OI-30].

Tighten the bolts to 125-140 ft.-lbs (170-190 Nm) torque. Re-torque the bolts after every eight hours of operation.

NOTE: Do Not over torque the bolts (Item 1) [Figure OI-30]. Over torquing may cause bolt or thread damage or could result in the bolts breaking during operation.

Figure OI-31

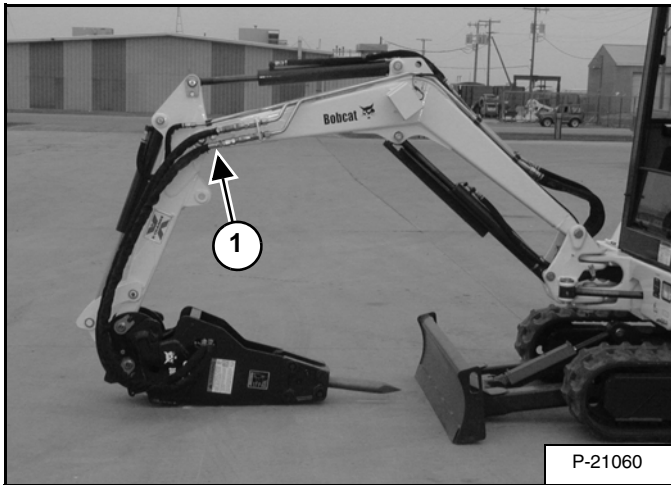


Route the hoses through the front hose guide (Item 1) [Figure OI-31] on the mount.

HYDRAULIC BREAKER INSTALLATION AND REMOVAL ON EXCAVATORS (CONT'D)

Installing the Hydraulic Breaker Using The X-Change System (Cont'd)

Figure OI-56



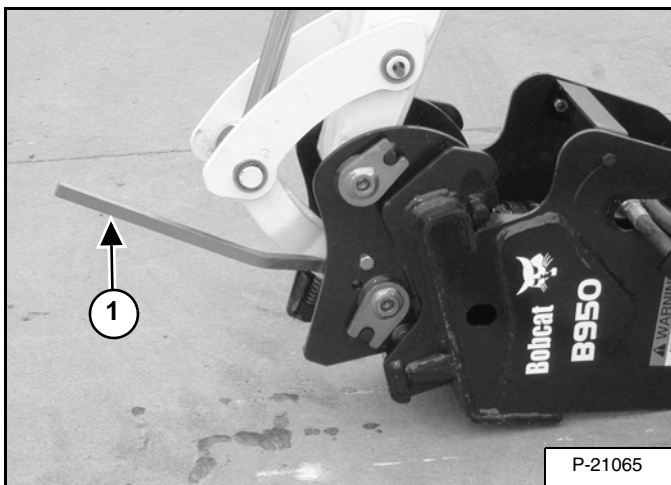
Route the hoses up the arm and connect them to the auxiliary couplers (Item 1) [Figure OI-56]. (See Page 18.)

Removing The Hydraulic Breaker From The Excavator With The X-Change System

Select a flat level surface. Put the breaker on the ground. Stop the Excavator.

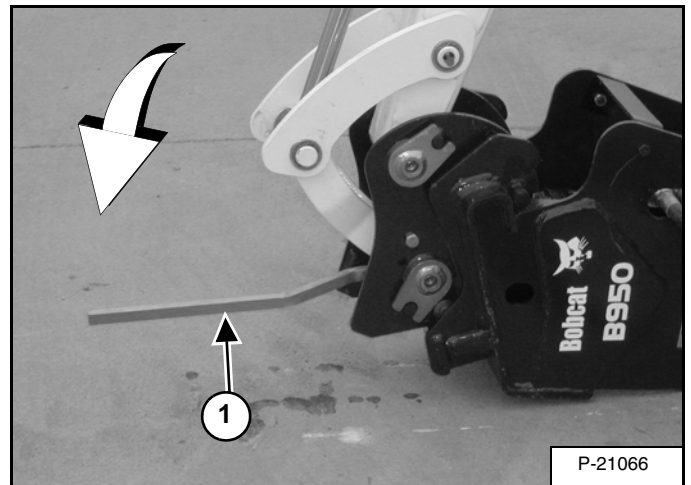
Relieve hydraulic pressure (see page OI-27) and disconnect the hoses from the auxiliary quick couplers. (See page OI-18.)

Figure OI-57



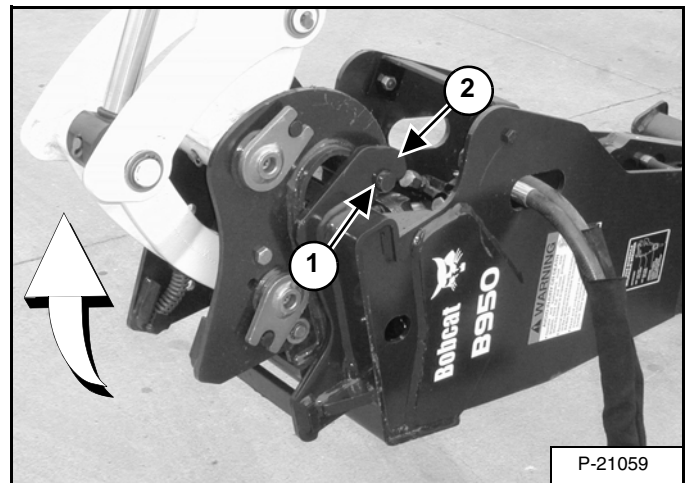
Install the X-Change tool (Item 1) [Figure OI-57] in the latch.

Figure OI-58



Pull the lever (Item 1) [Figure OI-58] away from the machine, to unlock the latch. Remove the tool.

Figure OI-59



Start the Excavator, lift the boom approximately one foot, and extend the bucket cylinder until the X-Change pins (Item 1) engage the hooks (Item 2) [Figure OI-59] on the breaker.

TRANSPORTING THE HYDRAULIC BREAKER (CONT'D)

Excavators

Figure OI-83



Figure OI-84



Fasten the chains to the Breaker **[Figure OI-83]**, **[Figure OI-84]**.

Use chain binders to prevent the Breaker from moving during transport.

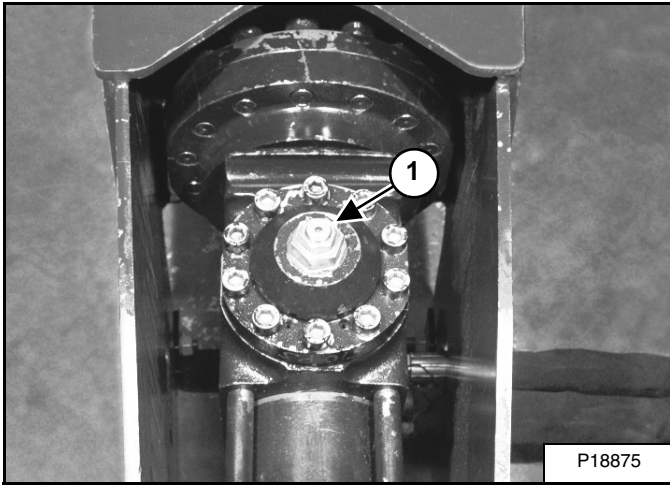
Secure the hydraulic hoses to the Breaker.

See the correct loader operation and maintenance manual for TRANSPORTING THE BOBCAT EXCAVATOR to properly chain the loader to the transport vehicle.

NITROGEN CHAMBER (CONT'D)

Charging The HP Nitrogen Chamber (Cont'd)

Figure PM-14



Install and tighten the plug (Item 1) [Figure PM-14].

Checking The MP Nitrogen Chamber Charge Pressure

WARNING

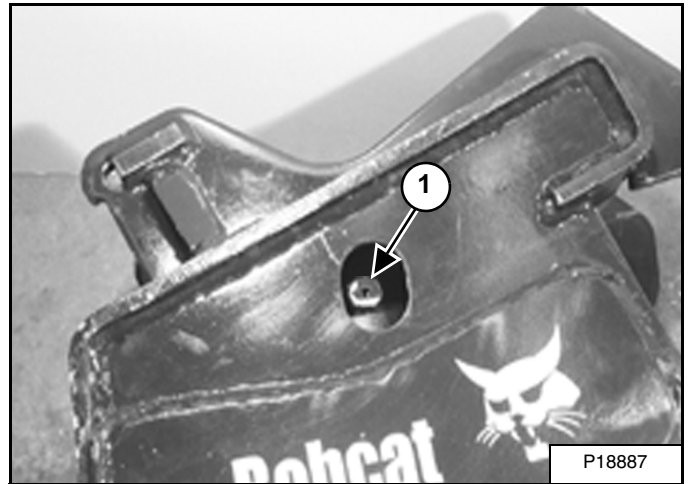
Wear safety glasses to prevent eye injury when any of the following conditions exist:

- When fluids are under pressure.
- Flying debris or loose material is present.
- Engine is running.
- Tools are being used.

W-2019-1285

Use the nitrogen accumulator charge pressure gauge MEL1523B to check pressure.

Figure PM-15

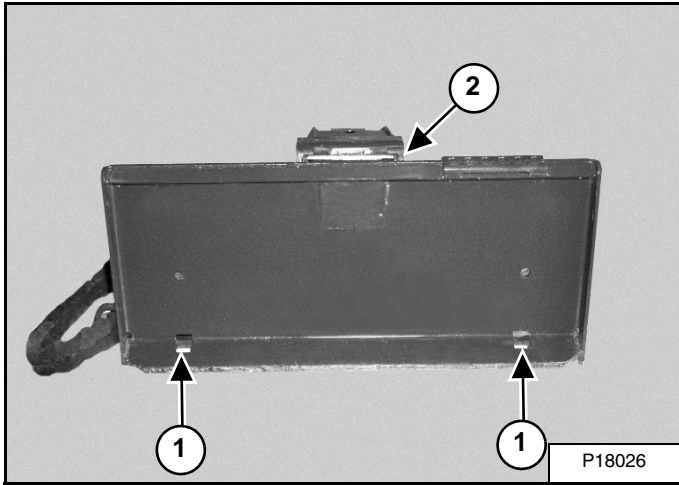


Remove the plug (Item 1) [Figure PM-15].

INSPECTION (CONT'D)

Loader Mount Inspection

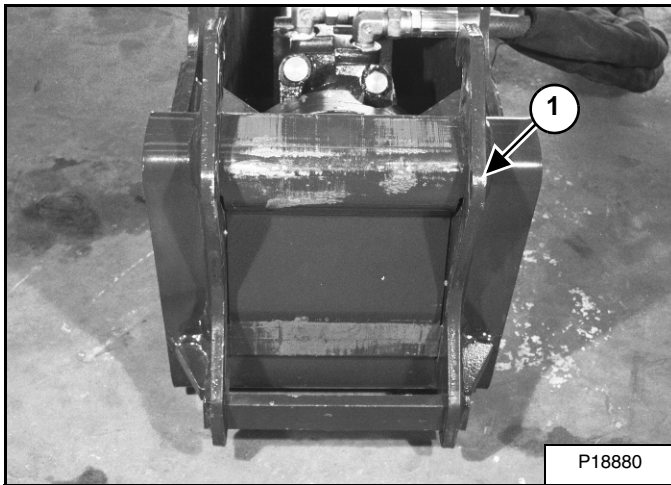
Figure PM-47



Inspect the Bob-Tach wedge mounts (Item 1), mounting flange (Item 2) [Figure PM-47], and all welds on the breaker mount for wear and damage each time the breaker is removed from the Loader.

Excavator Mount Inspection

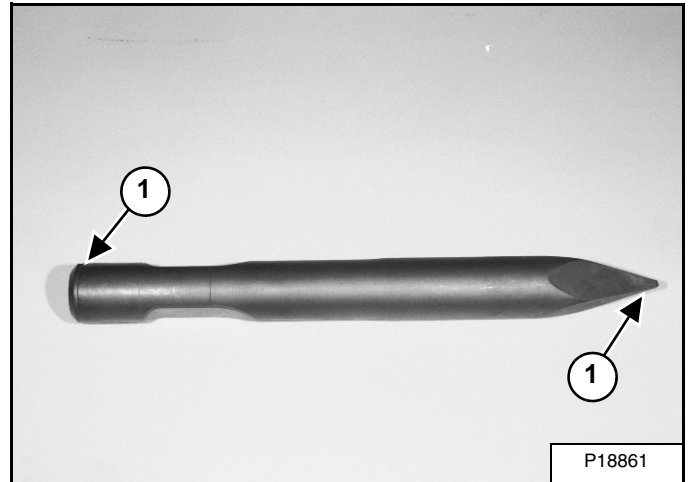
Figure PM-48



Inspect the X-Change mount (Item 1) [Figure PM-48] and all welds on the breaker mount for wear and damage each time the breaker is removed from the Excavator.

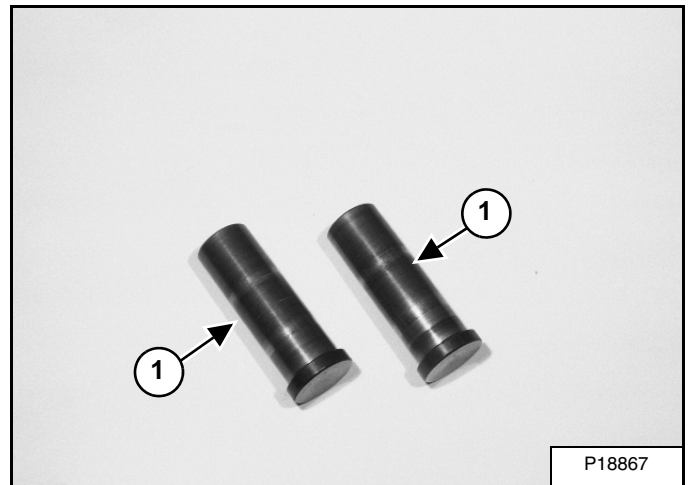
Weekly Inspection

Figure PM-49



Inspect both ends of the bit (Item 1) [Figure PM-49] for damage and/or cracks. Replace the bit if damaged or worn.

Figure PM-50



Inspect the bit retainer pins (Item 1) [Figure PM-50] and retainer areas for damage and/or wear. Replace the pins if damaged or worn.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: www.heydownloads.com by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL