Form No.
907245

5625

Skid Loader

SN 8868 and Later



SHOP MANUAL

GEHL®

PREVIEW ONLY
YOUFIXTHIS.COM
Download full manual at youfixthis.com

Table of Contents

Specifications 1

General Information....1-1
Standard Features....1-1
Tire Options....1-1
Buckets & Capacities....1-1
Dimensions....1-2

Safety 2

General Information....2-1
Signal Words....2-1
Additional Safety Reminders....2-1
Mandatory Safety Shutdown Procedure....2-2
Lift Cylinder Mechanical Lock....2-3
Cylinder Lock Engagement....2-3
Cylinder Lock Disengagement....2-4
Overhead Guard - Raising....2-5
Overhead Guard - Lowering....2-6
Relieving Hydraulic Pressure....2-6
Loader Raising Procedure....2-7
Loader Lowering Procedure....2-7
Safety Decal Locations....2-8

Decals 3

New Decal Application....3-1
Paint Finish....3-1
Decal List....3-2

Lubrication 4

General Information....4-1

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Loader Stability - The stability of a Skid Loader is determined by its short wheel base. The following elements can affect stability:

- ❑ - the terrain
- ❑ - Engine speed
- ❑ - load being carried or dumped
- ❑ - sudden Control movements
- ❑ - tire pressure

If the Loader is misused, any of the above factors can cause the Loader to tip, throwing the operator forward or out of the unit, which may cause death or serious injury.

Therefore, ALWAYS have the Operator Restraint Bar "lowered" and wear the Seat Belt provided. Operate the Controls smoothly and gradually at an appropriate Engine speed which matches the operating conditions.

For additional stability when operating on inclines or ramps, ALWAYS travel with the heavier end of the loader in the same direction as the top of the incline.

Keyswitch - NEVER attempt to by-pass the Keyswitch to start the Loader Engine.

Radiator Cap - DO NOT attempt to remove the Radiator Cap after the Engine has reached operating temperature or if it is overheated. At operating temperatures, the Engine Coolant will be extremely HOT and under pressure. ALWAYS wait for the Engine to cool down BEFORE attempting to remove the Radiator Cap. Failure to heed this warning could result in severe burns.



Hydraulic Fluid Leaks - NEVER use your hands to search for hydraulic fluid leaks. Use a piece of paper or cardboard. Escaping fluid under pressure can be invisible and can penetrate the skin causing serious injury. If any fluid is injected into your skin, see a doctor at once. Injected fluid MUST be surgically removed or gangrene may result.



Wear Safety Glasses - ALWAYS wear safety glasses with side shields when striking metal against metal. In addition, it is also recommended that a softer (non-chippable) material be used to soften the blow. Failure to heed this warning could lead to serious injury to the eye(s) or other parts of the body.
ALWAYS wear safety glasses when searching for hydraulic leaks or when working near Batteries.

Loaded Bucket/Fork - DO NOT raise or lower a loaded Bucket or Fork suddenly. Abrupt movements under load can cause serious Loader instability.

DO NOT push the Lift/Tilt Control T-Bar or Lift Control Pedal all the way forward (into the "float" position) with the Attachment loaded and the Lift Arm raised as this will cause the Lift Arm to drop very rapidly.

DO NOT drive too close to an excavation ditch. BE SURE that the surrounding ground has adequate strength to support the weight of the Loader and the load it is carrying.



DO NOT smoke while filling the Fuel Tank, while working on the fuel or hydraulic systems, or while working around the Battery.

Exhaust Gases - DO NOT run the Loader Engine in an enclosed area without providing the proper ventilation for the exhaust. Exhaust gases contain carbon monoxide, an odorless and deadly poison.



Wear appropriate ear protection for prolonged exposure to excessive noise.

Mandatory Safety Shutdown Procedure

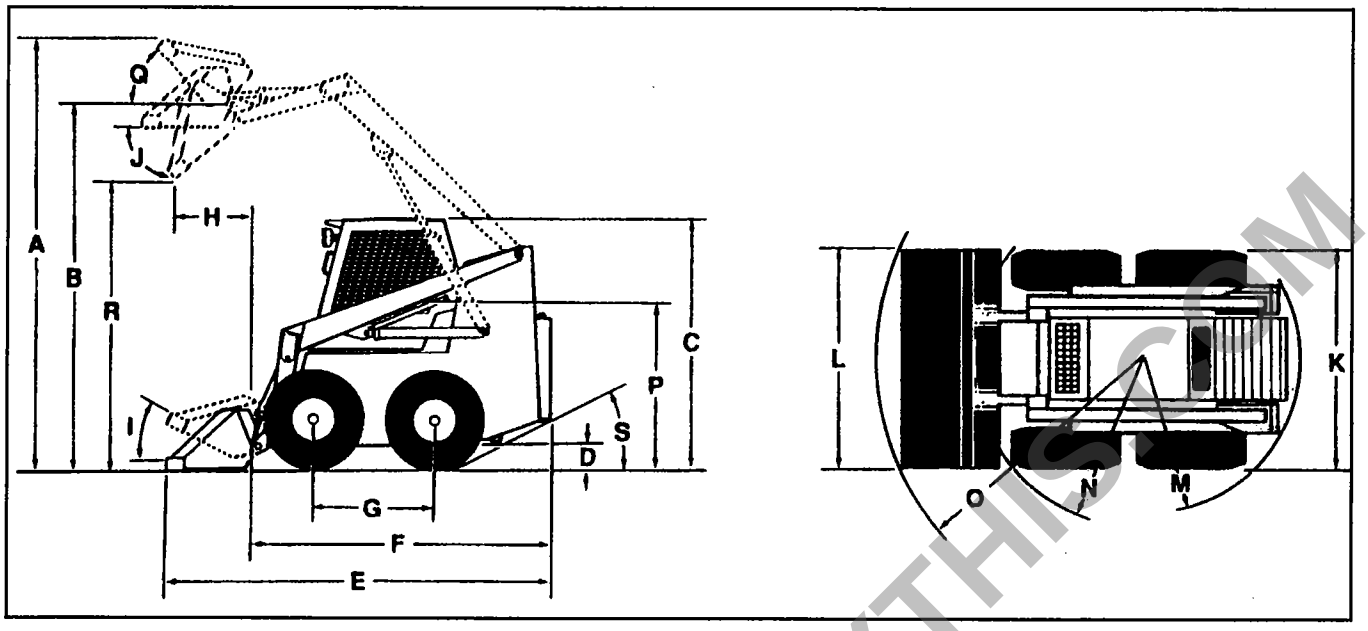
BEFORE unclogging, cleaning, adjusting, lubricating or servicing the Skid Loader:

1. Move the Propulsion Control T-Bar(s) to the "neutral" position.
2. Lower the Lift Arm completely and roll the Attachment forward so that the front edge is in contact with the ground. Also, see Step 5 below.
3. Engage the Hand Parking Brake.
4. Move the Throttle to the slow idle position, shut the Engine OFF and remove the Key.
5. If the Lift Arm MUST be left in the "raised" position, BE SURE to properly engage the Lift Cylinder Mechanical Lock instead of performing Step 2.

ONLY when you have taken these precautions can you be sure it is safe to proceed. Failure to follow the above procedure could lead to death or serious personal injury.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com



A	Overall operational height - fully raised	148.8 in. (3780 cm)
B	Height to hinge pin - fully raised	119.0 in. (3023 cm)
C	Overall Height - top of operator guard	81.0 in. (2057 cm)
D	Ground Clearance	9.4 in. (239 cm)
E	Overall Length (Dirt Construction Bucket)	126.3 in. (3208 cm)
F	Overall Length (less Bucket)	98.6 in. (2504 cm)
G	Wheel Base	39.5 in. (1003 cm)
H	Dump Reach	28.0 in. (711 cm)
I	Rollback at ground	25°
J	Dump Angle	41°
K	Overall Width - (w/8.25 x 15 tires)	58-1/2 in. (1549 cm)
K	Overall Width - (w/12.00 x 16.5 tires)	62-5/8 in. (1687 cm)
L	Bucket Width (Dirt Construction Bucket)	69.0 in. (1753 cm)
M	Clearance Circle - Rear	58.0 in. (1494 cm)
N	Clearance Circle - Front (less Bucket)	48.0 in. (1219)
O	Clearance Circle - Front (w/Utility Bucket)	71-3/4in. (1948 cm)
P	Seat to Ground Height	41.5 in. (1054 cm)
Q	Rollback at Full Height	91°
R	Dump Height	94 in. (2388 cm)
S	Departure Angle	28°
	Reach Maximum	40.1 in. (1019 cm)
	Dump Height at Maximim Reach	70.0 in. (1778 cm)
	Height to Top of Riser	73.0 in. (1854 cm)
	Maximum Back Grading Angle	82°

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

7. Install the Cap Screw and Lock Nut, with Spacer between the Brackets, but do not tighten fully until the T-Bar is installed on the Loader (see NOTE below).
See Fig. 7-25 and 7-26

NOTE: Install Cap Screw and Lock Nut so that Lock Nut is closest to the Chassis when the T-Bar is installed. **Refer to Fig. 7-15**



Fig. 7-25 Install Spacer between the Trunnion Brackets.

8. Install the T-Bar onto the Chassis as per the "T-Bar Installation" procedure in this chapter.

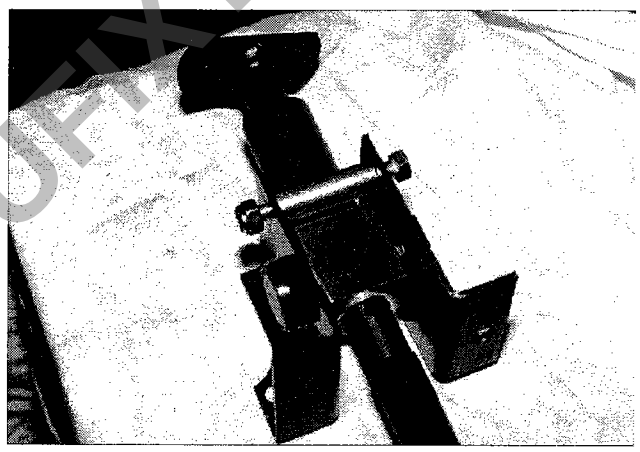


Fig. 7-26 T-Bar components as assembled, ready for installation on Loader

9. With the T-Bar assembly attached to the Chassis, tighten the Cap Screw and Lock Nut that hold the Trunnion Brackets together, then test operation of the T-Bar. **See Fig. 7-27**

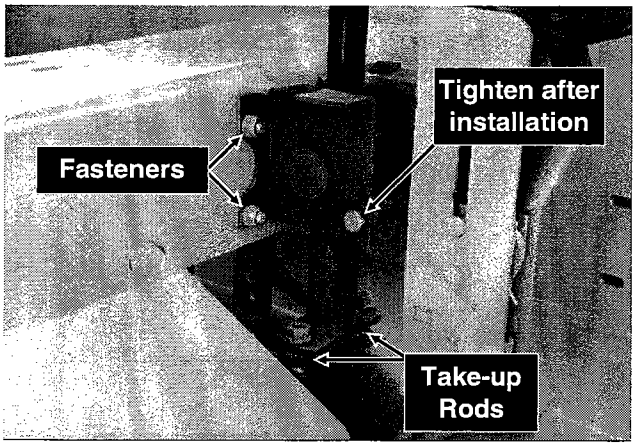


Fig. 7-27 T-Bar installation

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Oil Filter Element Removal

The remote Engine Oil Filter is attached to the Air Filter Support above the Engine to provide easy access for service. Two (2) Hoses connect the Oil Filter Head to the Engine. The Oil Filter Head is labeled "Center" and "Outer" to denote proper Hose connections from the Engine. **See Fig. 11-2**

NOTE: On Loaders ***before S/N 9117*** the Oil Filter is mounted on the Engine Block.

⚠ WARNING

BEFORE beginning this service procedure, perform the following SAFETY procedure:

❒ Shut down the Engine.

For detailed instructions on the above, refer to the Safety Chapter of this manual.

1. Open the Engine Access Cover.
2. Use a filter wrench to loosen Oil Filter Element, turning it counter-clockwise.
3. Finish removing the Filter Element by hand turning it counter-clockwise until it is free from the Oil Filter Head.

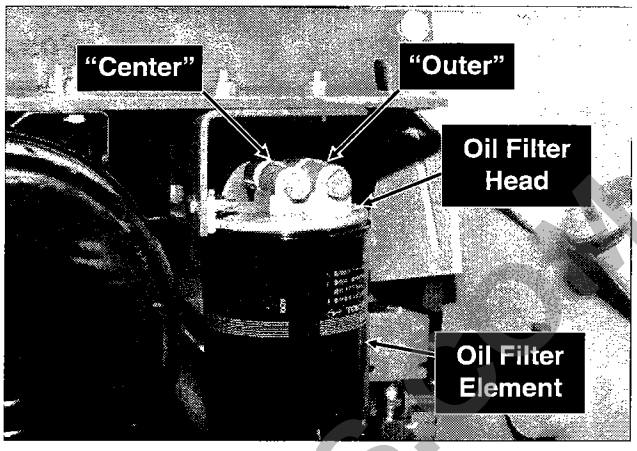


Fig. 11-2 Oil Filter located on Air Filter Support

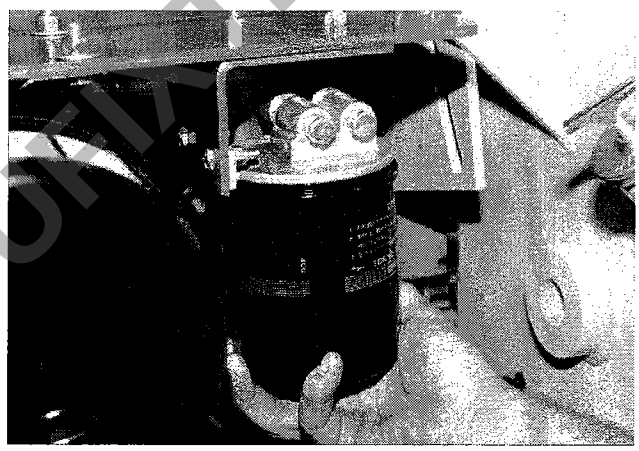


Fig. 11-3 Hand tighten Oil Filter Element.

Oil Filter Element Installation

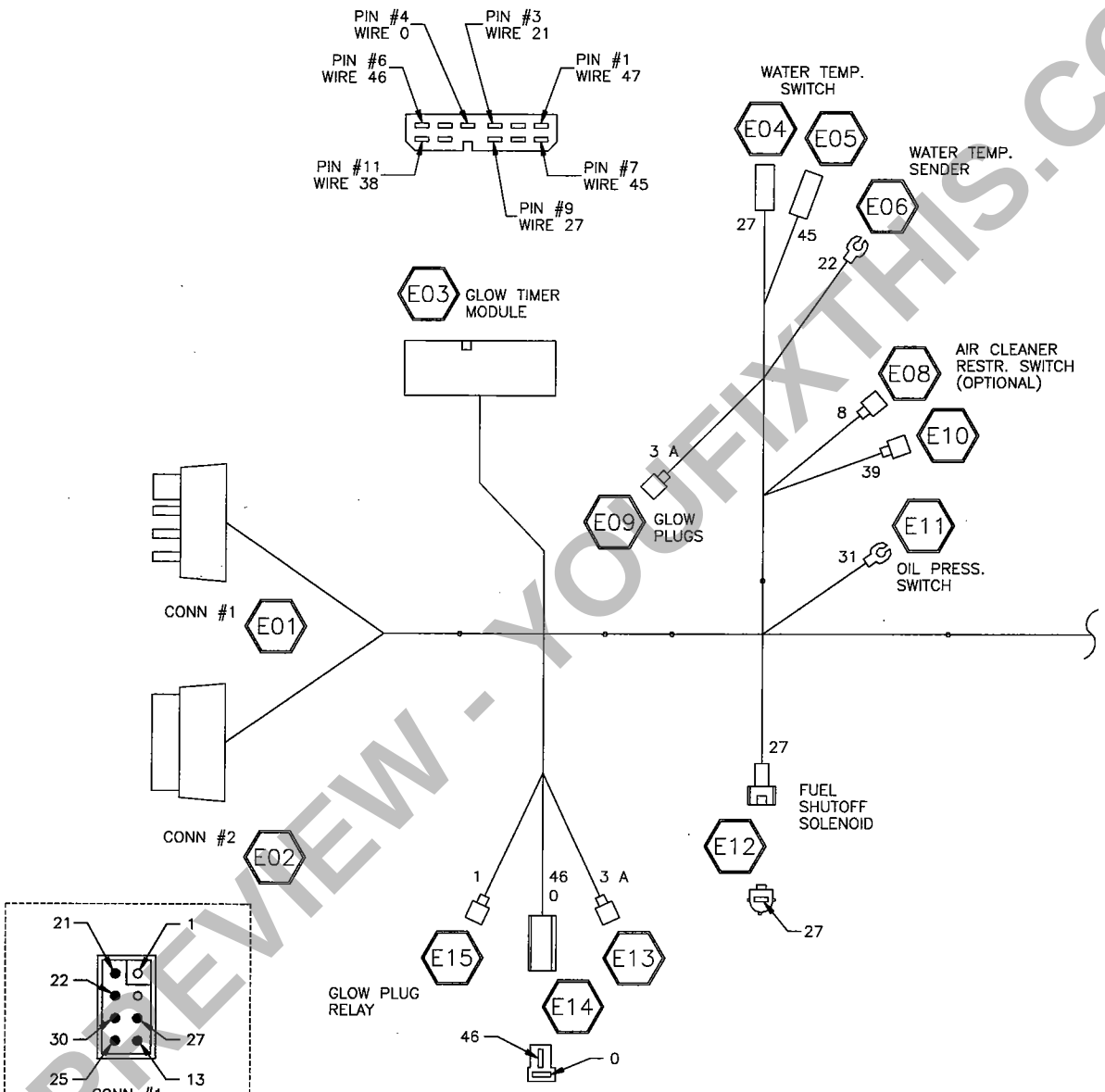
1. Clean the Oil Filter Head of any debris before installing new Element.
2. Apply a thin film of Oil to the top of the Seal on the Filter Element before installing.
3. HAND TIGHTEN the Filter Element, turning it clockwise, until the gasket contacts the Filter Head. Then turn the Element another 1/2 to 3/4 turn clockwise to seat the gasket. **See Fig. 11-3**
4. Fill the crankcase with 6.3 quarts (6 liters) of oil (see "Crankcase Oil" in the Lubrication Chapter of this manual).
5. Start Engine and check for leaks near the Oil Filter. Shut down Engine, re-check oil level, and fill as needed.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Wiring Harness
Engine Compartment

In the Wiring Harness illustrations shown on these two pages, reference numbers starting with "E" refer to termination points in the Engine Compartment area as shown in photo figures on pages 10-13, 10-14 and 10-15. Also refer to Key on opposite page.



End View of Connectors

Wiring Harness continued on following page

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Hydraulic Oil Filter

Element Replacement

Hydraulic Oil Filter location in relation to other Hydraulic System components is illustrated in **Fig. 9-15** and **9-17**.

⚠ WARNING

BEFORE beginning this service procedure, perform the following SAFETY procedure:

❒ Shut down the Engine.

For detailed instructions on the above, refer to the Safety Chapter of this manual.

1. Lift Engine Cover up and swing open Rear Grill.

2. Remove the Hydraulic Reservoir Drain Plug and drain hydraulic oil (into a suitable container) down to a level which is AT LEAST below the point where the Filter attaches to the Reservoir. **See Fig. 9-18**

3. Using a filter wrench, turn Filter Element counter-clockwise to remove it from the Filter Head. **See Fig. 9-19**

4. Install a NEW Filter Element of the correct type and capacity - refer to the GEHL Service Parts Manual. BEFORE INSTALLATION, apply a light coating of oil to the new Filter Element gasket, then install the Element on the Filter Head.

5. Hand tighten the Element, turning it clockwise, until the gasket contacts the Filter Head. Then turn the Element another 3/4 turn clockwise to seat the gasket.

6. BE SURE to replace and tighten the Drain Plug, then refill the Hydraulic Reservoir. Refer to the Lubrication Chapter in this manual for Hydraulic Fluid requirements and specifications.

⚠ WARNING

NEVER use your hands to search for hydraulic fluid leaks. Use a piece of paper or cardboard. Escaping fluid under pressure can be invisible and penetrate the skin causing serious injury. If any fluid is injected into your skin, see a doctor at once. Injected fluid MUST be surgically removed by a doctor familiar with this type of injury or gangrene may result.

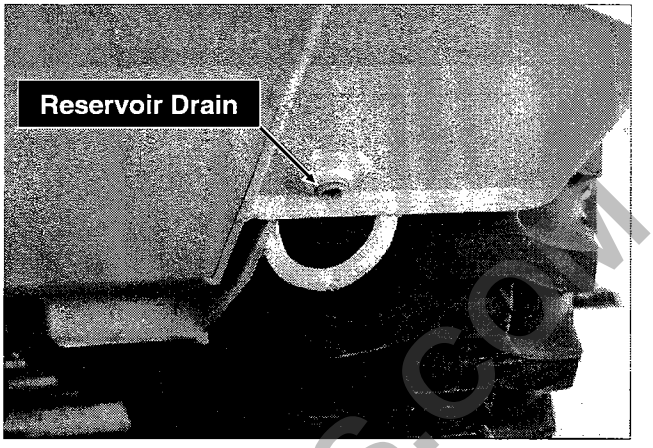


Fig. 9-18 Hydraulic Drain Plug location

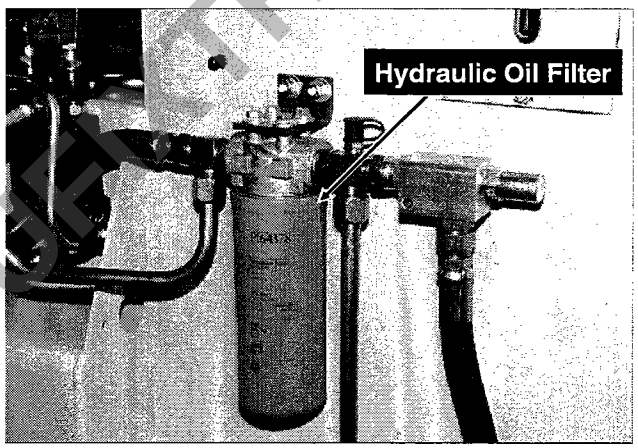


Fig. 9-19 Hydraulic Oil Filter

⚠ WARNING

ALWAYS wear safety glasses when checking for hydraulic fluid leaks. Escaping fluid under pressure can be invisible and can cause permanent eyesight damage or loss if safety glasses are not worn.

7. ALWAYS check for hydraulic fluid leaks after assembling components of the Hydraulic System.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

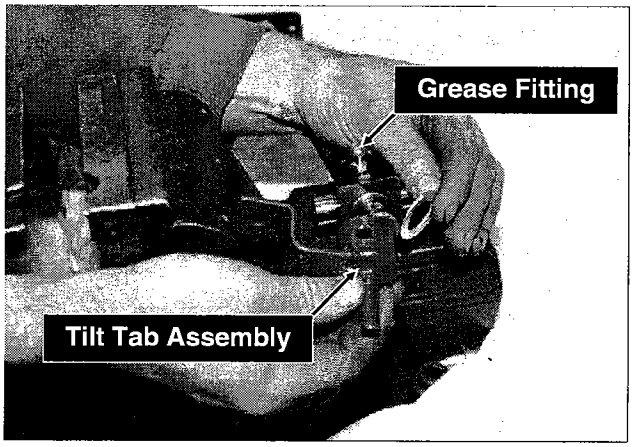


Fig. 7-38 Install Washer and Tilt Tab Assembly onto the Trunnion. (T-Bar Controls)

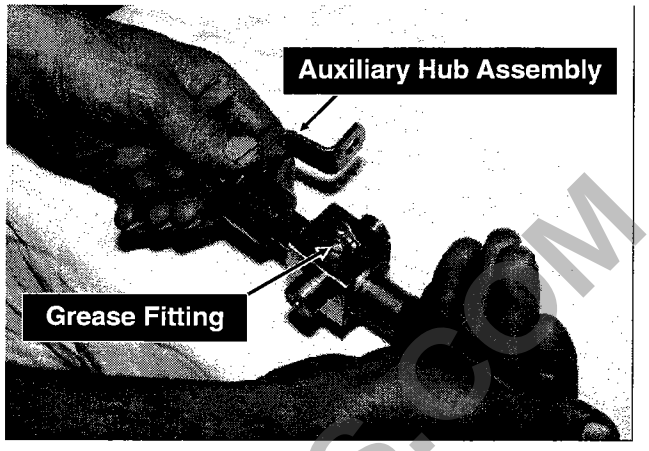


Fig. 7-39 Install the Auxiliary Hub Assembly onto the Trunnion. (Hand/Foot Controls)

4. Perform **ONE** of the following; depending on Loader equipment:

   ❒ If the Loader has T-Bar Controls, install the Washer and Tilt Tab assembly onto the Trunnion and Handle shaft. See NOTE below. **Refer to Fig. 7-38** Secure it by driving the Roll Pin through both the Tilt Tab Assembly and the Handle shaft.

   ❒ If the Loader has Hand/Foot Controls, install the Washer and Auxiliary Hub Assembly onto the Trunnion and Handle shaft. See NOTE below. **See Fig. 7-39** Secure it by driving the Roll Pin through both the Auxiliary Hub Assembly and the Handle shaft.

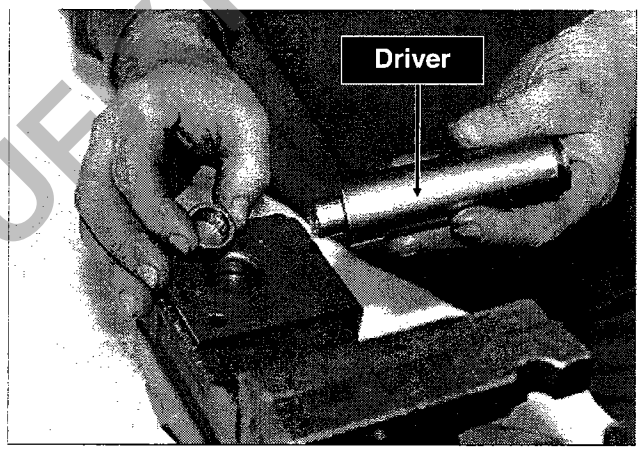


Fig. 7-40 Needle Bearing installation

NOTE: The correct orientation of Tilt Tab and Auxiliary Hub Assemblies are shown in **Fig. 7-14** and **7-16.** For reference, the Grease Fitting is installed on the rear of the Trunnion

5. Install a Needle Bearing in each Trunnion Bracket using a driver. **See Fig. 7-40** The Needle Bearing should be installed as shown in **Fig. 7-41**

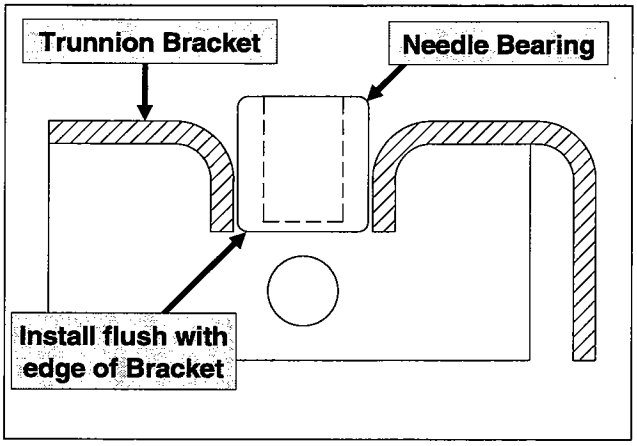


Fig. 7-41 Cut-away view of Trunnion Bracket showing Bearing installation.

Procedure continued on following page...

PREVIEW: YOUFIXTHIS.COM

Download full manual at youfixthis.com

Safety Decal Locations

⚠WARNING FOR MAXIMUM STABILITY CARRY LOAD AS LOW AS POSSIBLE. FAILURE TO HEED COULD RESULT IN DEATH OR SERIOUS INJURY.

⚠ WARNING



OPERATING CONDITIONS COULD PRODUCE JERKY MOVEMENT.

BEFORE STARTING ENGINE FASTEN SEAT BELT.

FAILURE TO HEED COULD RESULT IN DEATH OR SERIOUS INJURY.



⚠ WARNING

DO NOT USE BRAKE TO TEST HYDROSTATIC DRIVE TORQUE.

OVERHEATING AND ACCELERATED WEAR OF THE DISC AND PADS CAN OCCUR.

FAILURE TO HEED COULD RESULT IN DEATH OR SERIOUS INJURY.

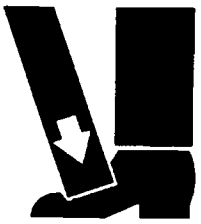
⚠ WARNING



BEFORE OPERATING WITH ATTACHMENT, CHECK LOCKING PIN ENGAGEMENT OF THE QUICK-TACH TO THE ATTACHMENT.

FAILURE TO HEED COULD RESULT IN DEATH OR SERIOUS INJURY.

⚠ WARNING



PINCH POINT BETWEEN LIFT ARM AND LEDGE.

KEEP FEET INSIDE COMPARTMENT AND OFF LEDGE.

FAILURE TO HEED COULD RESULT IN DEATH OR SERIOUS INJURY.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

GEHL®

Gehl Company 143 Water Street, P.O. Box 179, West Bend, WI 53095-0179

907245/AP0595

© Gehl Company 1995

Printed in U.S.A.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Hydraulic Oil Reservoir 4-1
Crankcase Oil 4-1
Chaincases 4-2
Planetary Gearcase Oil 4-2
Grease Fitting Locations 4-3

Chassis 5

Introduction 5-1
Engine Access Cover Removal 5-2
Engine Access Cover Installation 5-2
Overhead Guard Removal 5-3
Overhead Guard Installation 5-5
Seat Removal 5-6
Seat Installation 5-7
Restraint Bar Removal 5-8
Restraint Bar Installation 5-8
Quick-Tach Removal 5-10
Quick-Tach Installation 5-11
Lift Arm Removal / Disassembly 5-12
Lift Arm Installation / Assembly 5-16
Lift Arm Bushing Replacement 5-18
Lift Arm Stop Installation / Adjustment 5-20
T-Bar Cover Removal 5-22
T-Bar Cover Installation 5-22
Floor Cover Removal 5-23
Floor Cover Installation 5-24
Bottom Cover Removal 5-25
Bottom Cover Installation 5-25
Fuel Tank Removal 5-26
Fuel Tank Installation 5-27
Fuel Level Sender Removal 5-28
Fuel Level Sender Installation 5-28
Rear Grill Removal 5-29
Rear Grill Installation 5-29

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

PREVIEW ONLY

You're viewing 12 of 296 pages

The full manual includes:

- All 296 pages, complete
- Searchable PDF (find any keyword)
- No watermarks
- Instant download
- Print-ready quality

GET FULL MANUAL NOW

Gehl 5625, 5625SX, 5625DX Shop Manual

Scan or click anywhere
youfixthis.com

Click anywhere on this page to get the full manual