



# Service Repair Manual

## **Models**

**951B 951C TRACK LOADER**

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Product: TRACK LOADER

Model: 951B TRACK LOADER 69H

Configuration: 951C TRAXCAVATOR 69H03678-03678 (MACHINE) POWERED BY 3304 ENGINE

## **Disassembly and Assembly GENERAL INSTRUCTIONS**

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REG006840001

## **General Instructions**

# **General Instructions**

The following instructions will prove helpful to disassemble and assemble machine components. The information should be read and then referred to as necessary.

## **Safety**

The safety symbols in the manual indicate an item or procedure where the use of caution and safety is necessary. ALWAYS heed these symbols.

Your safety and that of others is always the number one consideration when working around machines. Safety is a matter of thoroughly understanding the job to be done and the application of good common sense; not just a matter of "do's" and don'ts."

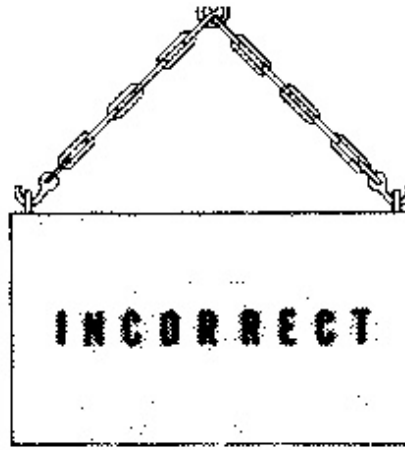
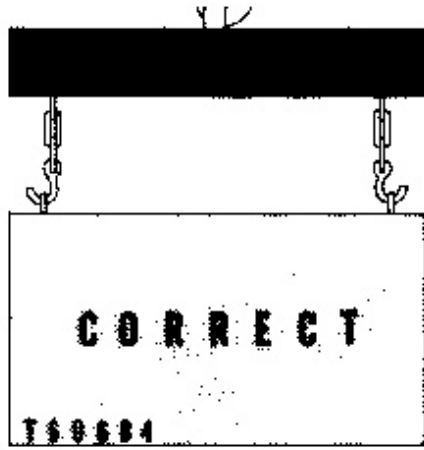
## **Cleanliness**

Clean the connection and the adjacent area before disconnecting hydraulic, fuel or air lines. As soon as the disconnection is made, cap, plug or tape the line or opening to prevent entry of foreign material. The same recommendations for cleaning and covering apply when access covers or inspection plates are removed.

Clean and inspect all parts. Be sure all passages and holes are open. Cover all parts to keep them clean. Be sure parts are clean when installed. Leave new parts in their containers until ready for assembly.

## **Removal And Installation**

Unless otherwise specified, all removals should be accomplished using an adjustable lifting beam. All supporting members (chains and cables) should be parallel to each other and as near perpendicular as possible to the top of the object being lifted.



When it is necessary to remove a component on an angle, remember that the capacity of an eyebolt diminishes as the angle between the supporting members and the object becomes less than 90°. Eyebolts and brackets should never be bent and should only have stress in tension. A length of pipe and a washer can be used, as shown, to help relieve these stresses on eyebolts.

Forged eyebolts are available. Each size eyebolt has a maximum load recommendation.

| EYEBOLT LOAD RECOMMENDATION |          |              |      |
|-----------------------------|----------|--------------|------|
| SIZE                        | PART NO. | MAXIMUM LOAD |      |
|                             |          | lbs.         | kg   |
| 1/4" - 20                   | 1P7403   | 600          | 250  |
| 5/16" - 18                  | 1P7404   | 1125         | 500  |
| 3/8" - 16                   | 1P7405   | 1625         | 700  |
| 7/16" - 14                  | 1P7406   | 2250         | 1000 |
| 1/2" - 13                   | 1P7407   | 3000         | 1350 |
| 5/8" - 11                   | 2D1201   | 5000         | 2250 |
| 3/4" - 10                   | 1P7409   | 6250         | 2800 |



Some removals require the use of lifting fixtures to obtain proper balance and to provide safe handling.

If a part resists removal, check to be certain all nuts and bolts have been removed and that an adjacent part is not interfering.

## **Cleaning And Handling Of Parts**

Use caution during removal and installation of parts to prevent damage when handling. Many parts may be used again if not damaged by removal methods. Never discard an expensive part without first cleaning it to see if it can be used again.

Parts that are to be reused should be protected with a coating of oil or corrosion preventive material until they are installed. Do not store parts outside unless they have corrosion protection and they are covered.

Before installation of new or reusable parts, clean the corrosion preventive material from the machined surfaces. Use a cleaning solvent that will not destroy the material being cleaned (an example is aluminum).

Inspect the parts for damage caused by handling. Many nicks and burrs can be removed with crocus cloth or a fine grain polishing stone.

See the correct Service Manual or Guideline for Reusable Parts for more information.

## **Disassembly And Assembly**

When assembling a machine, complete each step in turn. Do not partially assemble one part and start assembling some other part. Make all adjustments as recommended. Always check the job after it is completed to see nothing has been overlooked.

## **First Operation Of A Rebuilt Engine**

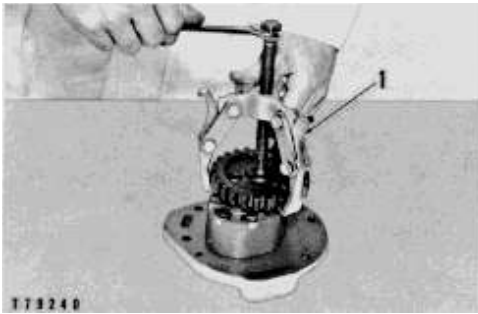
Use the following procedure:

1. If the diesel engine has a starting engine, use the starting engine to make the engine turn for 10 minutes.
2. Start the diesel engine, then run the engine at low RPM for 10 minutes. Make correct low idle governor adjustment. Check the pressure of the cooling system and the lubrication system. Look for leaks of water and of oil.
3. Run the engine at  $\frac{3}{4}$  of full RPM with  $\frac{1}{2}$ load for 15 minutes.
4. Run the engine at full RPM and make correct high idle governor adjustment, then run engine at full RPM and with full load for 30 minutes.

## **Service Tools**

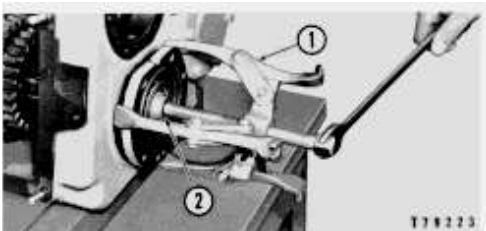
### **Puller Assembly (2 or 3 Arm)**

Two or three arm puller assemblies can be used to remove gears, bearing cages, hubs, bearings, shafts, etc.



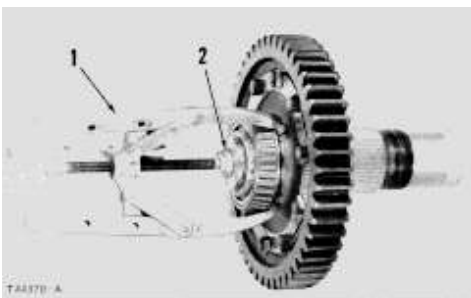
EXAMPLE OF TOOL INSTALLATION

1. Puller.



EXAMPLE OF TOOL INSTALLATION

1. Puller. 2. Step plate.

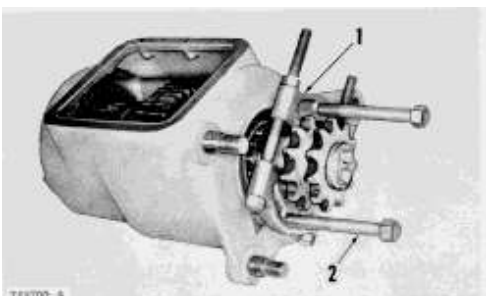


EXAMPLE OF TOOL INSTALLATION

1. Puller. 2. Step plate.

## **Bearing Pulling Attachment**

Bearing Pulling Attachments can be used with forcing bolts, to remove shafts, bearings, gears, etc. They can be used with Push-Pullers to provide a variety of pulling combinations.



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