



# Service Repair Manual

## **Models**

# 322B L EXCAVATOR

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Product: EXCAVATOR

Model: 322B L EXCAVATOR 5CR

Configuration: 322B EXCAVATOR WITH FIELD INSTALLED COMBINE/ROTATE FUNCTIONS 5CR00001-UP (MACHINE)

## Disassembly and Assembly 322B & 322B L EXCAVATORS MACHINE SYSTEMS

Media Number -SEN1647-00

Publication Date -07/01/1997

Date Updated -30/03/2004

SEN16470004

### Bucket Linkage Group

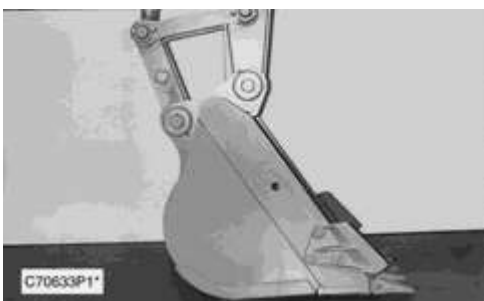
SMCS - 6513-010

### Remove & Install Bucket Linkage Group

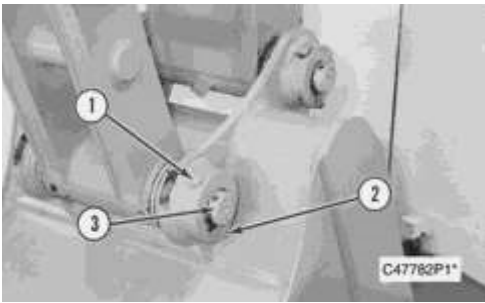
Tools Needed		A	B	C
1P-0520	Driver Group	1		
6V-0113	Cylinder Group		1	1
5P-8712	Bushing		1	1
4C-9634	Puller Stud		1	1
9U-6832	Fast Runner Nut Assembly		1	1
3S-6224	Electric Hydraulic Pump		1	1
5P-8625	Sleeve		1	1
9U-5337	Bearing Puller Adapter *		1	1
9U-5338	Bearing Puller Adapter **		1	

\* Use with 80 mm diameter pin.

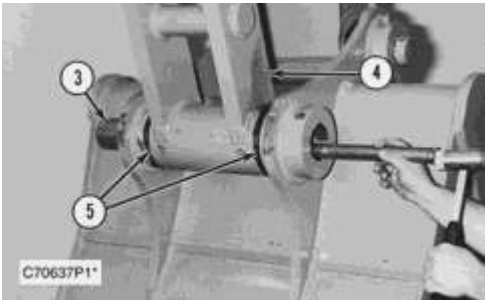
\*\* Use with 90 mm diameter pin.



1. Start the machine, and position the bucket, stick and rod links as shown.



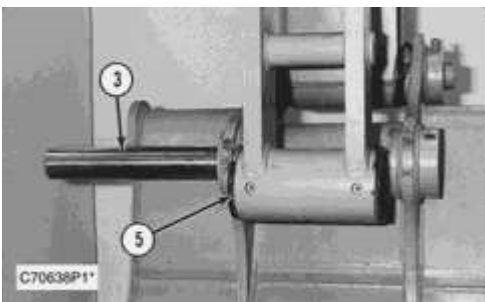
2. Remove retaining bolt (1) and two nuts (2) from bucket pin (3).



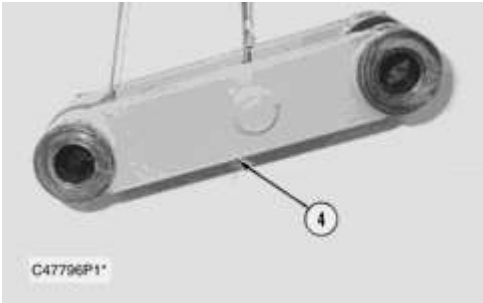
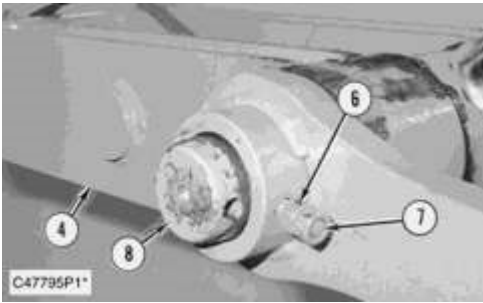
## WARNING

**When bucket pin (3) is removed, link assembly (4) will swing forward and out of the bucket. To prevent possible personal injury, do not stand in front of link assembly (4) when bucket pin (3) is being removed.**

3. Using a hammer and punch, remove bucket pin (3) far enough to free link assembly (4) from the bucket. **Do not** remove bucket pin (3) completely from the bucket. Link assembly (4) will swing forward when the bucket pin is removed.

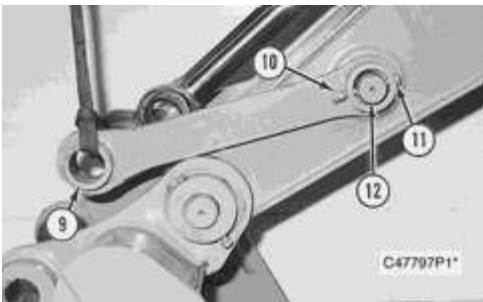


4. Using two persons, remove bucket pin (3) by hand. The weight of the bucket pin is **23 kg (50 lb)**. Remove O-ring seals (5) from the flanges on the bucket.

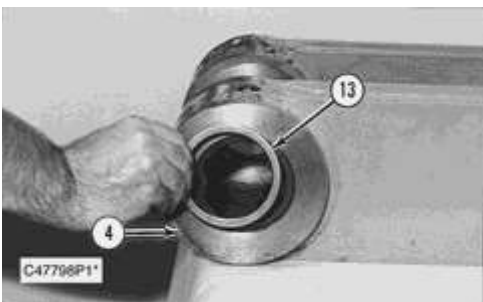


5. Fasten a hoist to link assembly (4) as shown, and raise it until it is in a horizontal position.

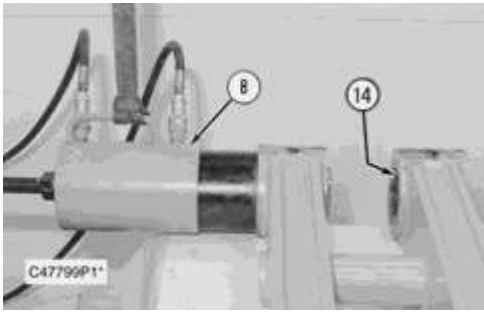
6. Remove two nuts (6) and retaining bolt (7) from pin (8). Remove pin (8) from the link assemblies and the rod end of the bucket cylinder. Remove link assembly (4). The weight of pin (8) is **23 kg (50 lb)**. The weight of link assembly (4) is **102 kg (225 lb)**.



7. Fasten a hoist to left hand link assembly (9) as shown. Remove two nuts (10) and retaining bolt (11) from pin (12). Using a hammer and punch, drive pin (12) into the stick until the left hand link assembly is free. Remove the left hand link assembly. The weight of the left hand link assembly is **25 kg (55 lb)**. Refasten the hoist to the right hand link assembly. Remove pin (12) from the stick and right hand link assembly. Remove the right hand link assembly. The weight of the right hand link assembly is **20 kg (45 lb)**. The weight of pin (12) is **14 kg (30 lb)**.

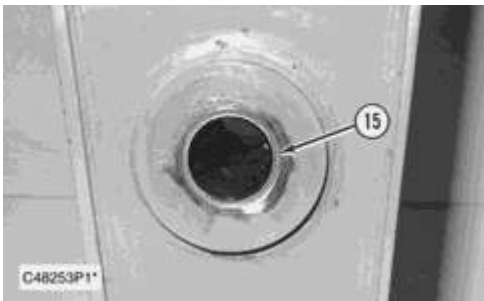


8. Remove six lip seals (13) from link assembly (4).

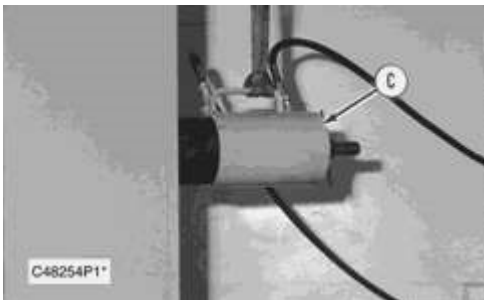


**9.** Remove two bearings (14) from the open end of the link assembly with Tooling (B). Fasten Tooling (B) to the link assembly as shown. Fasten a hoist to Tooling (B) to support it; then remove the bearing. Remove the bearing on the other side of the link assembly the same way.

**10.** Remove the two bearings from the closed end of the link assembly with a chisel or by cutting.



**11.** Remove two lip seals (15) from the stick at the stick-to-bucket linkage pin joint.



**12.** Remove the two bearings from the stick at the stick-to-bucket linkage pin joint with Tooling (C). Fasten Tooling (C) to the bearing as shown. Fasten a hoist to Tooling (C) to support it; then remove the bearing. Remove the bearing on the other side of the stick the same way.



**13.** Remove round shim (16) from the inside of the right hand link assembly.

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