

Product: MINI HYD EXCAVATOR

Model: 308C MINI HYD EXCAVATOR KCX

Configuration: 308C CR Excavator KCX00001-UP (MACHINE) POWERED BY 4M40 Engine

## Disassembly and Assembly 308C Excavator Machine Systems

Media Number -REN5848-02

Publication Date -01/11/2007

Date Updated -12/11/2007

i01701366

### Bucket - Install

SMCS - 6101-012

### Installation Procedure

**Note:** Make sure that the stick pin bore, the bucket pin bores, the bucket pins, the flange and the O-ring seals are thoroughly clean prior to installation of the bucket.

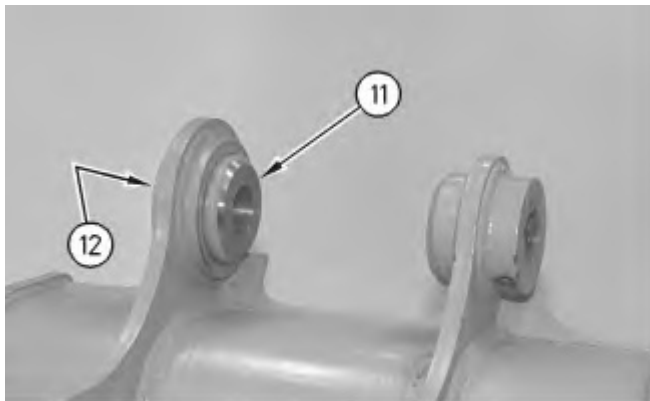


Illustration 1

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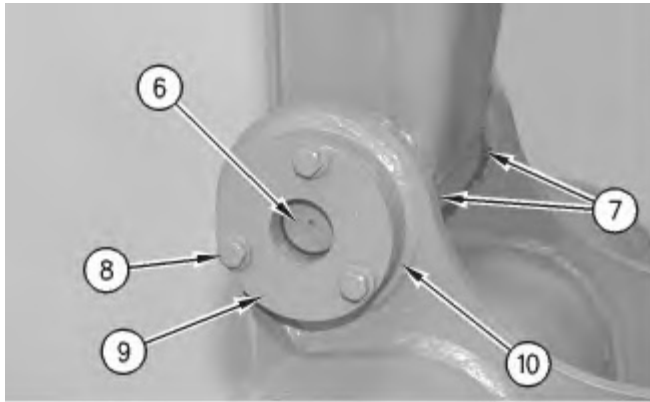


Illustration 2

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1. Check the condition of O-ring seals (7). If the O-ring seals are worn or damaged, use new parts for replacement.
2. Put a thin coat of **5P-0960** Molybdenum Grease on the outside machined surface of flange (11). Put a thin coat of **5P-0960** Molybdenum Grease in the bore of flange (11). Install flange (11) in the bucket. Install dowel (12) in the flange.
3. Lower the stick into the bucket and align the pin bores. Move the bucket until one side of the bucket makes contact with the stick. Measure the clearance between the bucket and the stick at flange (11). Add a minimum of three shims between plate (9) and flange (11). Add shims until the clearance between the stick and the bucket is 0.5 mm (0.02 inch) to 1.0 mm (0.04 inch).
4. Put a thin coat of **5P-0960** Molybdenum Grease on bucket pin (6). Install bucket pin (6) and O-ring seals (7). Align the retaining bolt hole in the bucket pin with the retaining bolt hole in the bucket. Install the retaining bolt and nuts (2).

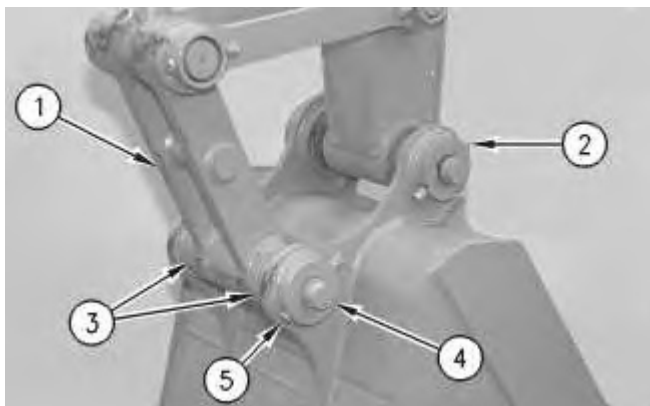
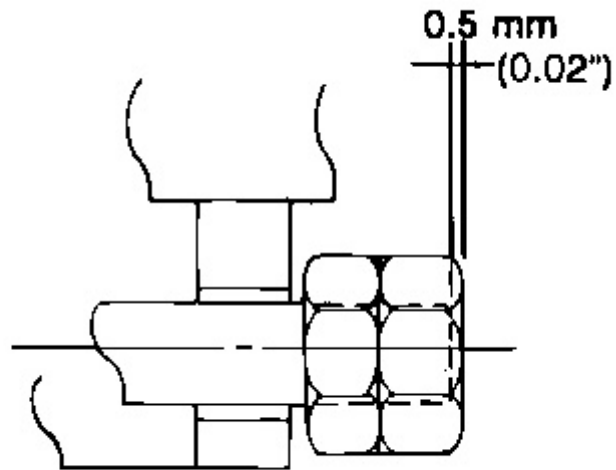


Illustration 3

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5. Align the pin bore in link assembly (1) with the pin bores in the bucket.
6. Put a thin coat of **5P-0960** Molybdenum Grease on bucket pin (4). Install bucket pin (4) and O-ring seals (3).
7. Align the retaining bolt hole in the bucket pin with the retaining bolt hole in the bucket. Install retaining bolt (5) and the nuts.



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Illustration 4

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8. Tighten retaining nuts (2) and (5). Position the outside nut even with the end of the retaining bolt or 0.5 mm (0.02 inch) beyond the end of the retaining bolt. Tighten the inside nut against the outside nut to a torque of  $70 \pm 15 \text{ N}\cdot\text{m}$  ( $50 \pm 10 \text{ lb ft}$ ).
  9. Lubricate the bucket control linkage. Refer to Operation and Maintenance Manual, SEBU7421, "Bucket Linkage - Lubricate" for the correct procedure.
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i01944367

# Bucket Linkage - Remove

SMCS - 6513-011

## Removal Procedure



**When the pin assembly is removed, the linkage assembly may swing out of the bucket. To prevent possible personal injury, do not stand in front of the linkage assembly when the pin assembly is being removed.**

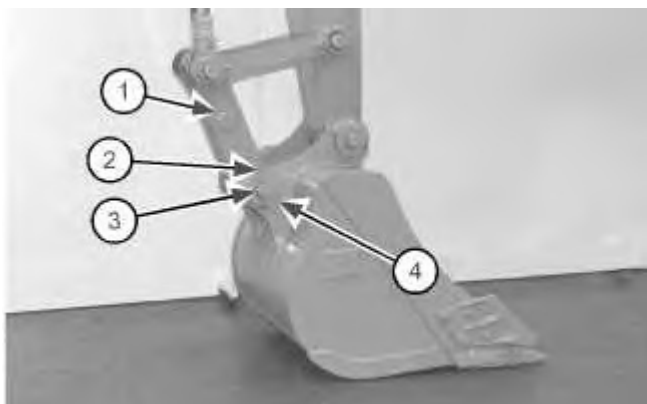


Illustration 1

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1. Position the bucket and the stick on the ground.
2. Remove retaining bolt (4) and nuts (2) from bucket pin (3).

3. Remove bucket pin (3). Link assembly (1) will swing forward when the bucket pin is removed.

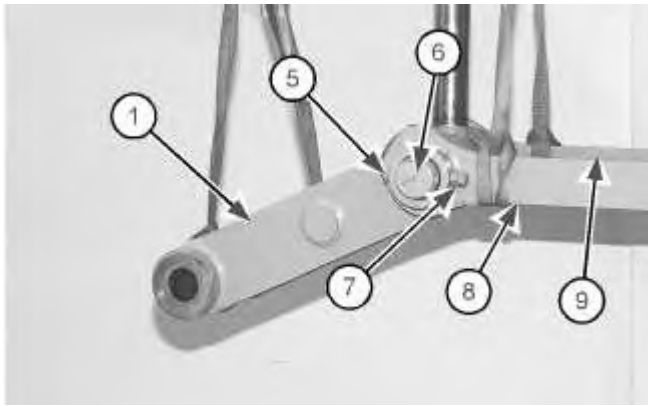


Illustration 2

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4. Attach a suitable lifting device to link assembly (1). Attach a suitable lifting device to the left and right link assemblies (8) and (9). Raise link assembly (1) until the link assembly is in a horizontal position.
5. Remove nuts (7) and retaining bolt (5) from pin (6). Remove pin (6) from the link assemblies and the rod end of the bucket cylinder. Remove link assembly (1). The weight of link assembly (1) is approximately 85 kg (190 lb).

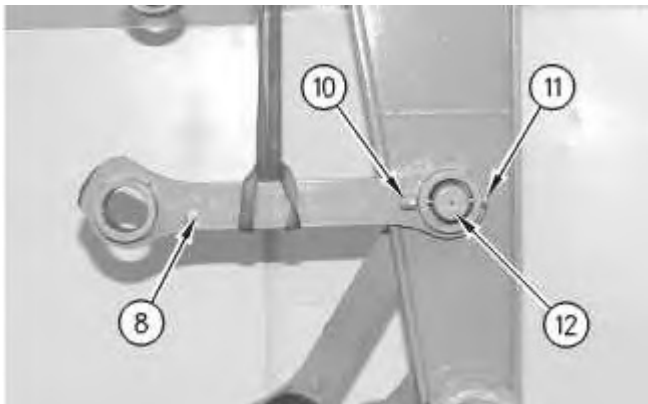


Illustration 3

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6. Remove nuts (10) and retaining bolt (11) from pin (12). Use a hammer and a punch to drive pin (12) into the stick until the left hand link assembly is free. Remove the left link assembly. Remove pin (12) from the stick and right link assembly. Remove the right link assembly.

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