# CATERPILLAR®

## Service Repair Manual

## Models

## 993K Wheel Loader

## Disassembly and Assembly
**993K Wheel Loader Power Train**

| Media Number -KENR5569-01 | Publication Date -01/10/2012 | Date Updated -05/07/2017 |
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i02517748

# Parking Brake - Disassemble

**SMCS -** 4267-015

# Disassembly Procedure

Table 1

| Required Tools | | | |
| --- | --- | --- | --- |
| **Tool** | **Part Number** | **Part Description** | **Qty** |
| A | 1P-0074 | Slide Hammer Puller | 1 |
| B | 8B-7557 | Adapter | 1 |

**Start By:**

   A. Remove the parking brake. Refer to Disassembly and Assembly, "Parking Brake - Remove".



Illustration 1                  g00350733

1. Remove bolts (1) that are used to disengage the parking brake.
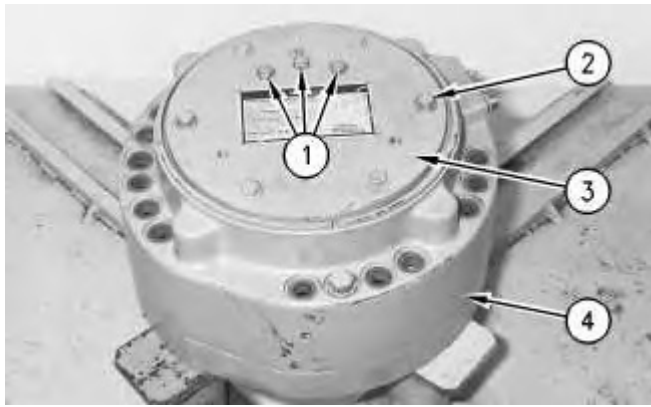


Illustration 2                                    g00351073

2. Install bolts (1) in the holes, as shown. Remove bolts (2) and the washers evenly.

3. Remove retaining plate (3) from brake housing (4) .



Illustration 3                                    g00375378

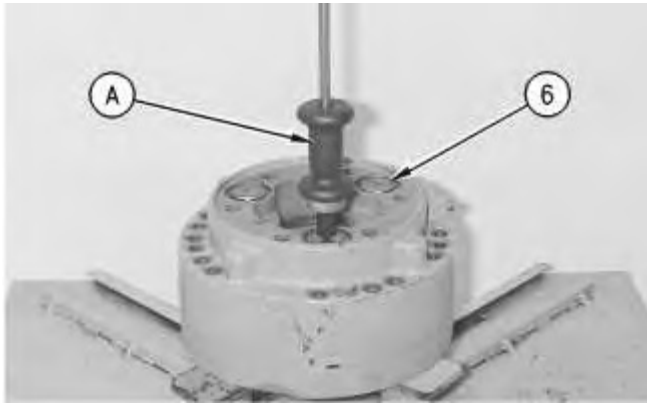4. Remove spacers (5) from the brake housing.

Illustration 4                    g00375379

5. Use Tooling (A) and Tooling (B) in order to remove pistons (6) from the brake housing.



Illustration 5                    g00375380

## ⚠ WARNING

**Personal injury can result from being struck by parts propelled by a released spring force.**

**Make sure to wear all necessary protective equipment.**

**Follow the recommended procedure and use all recommended tooling to release the spring force.**

6. Loosen bolts (7) evenly until the spring tension against brake housing (4) is released. Then remove bolts (7) and the washers.
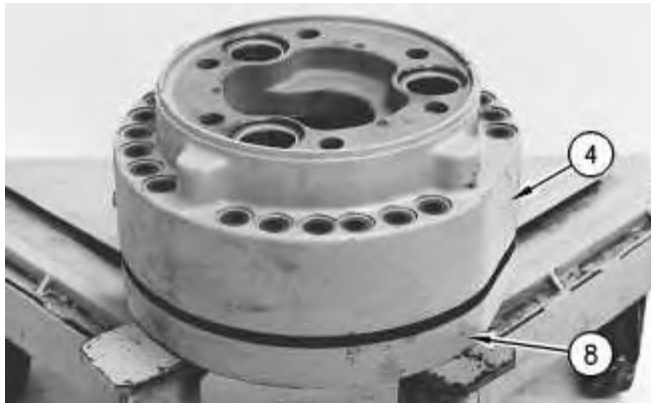
Illustration 6                                    g00375381

7. Use two persons to lift brake housing (4) off bearing cage assembly (8) . The weight of brake housing (4) is approximately 41 kg (90 lb).
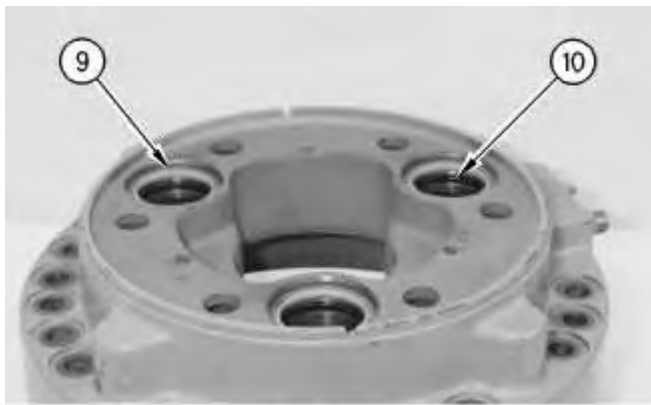


Illustration 7                                    g00375384
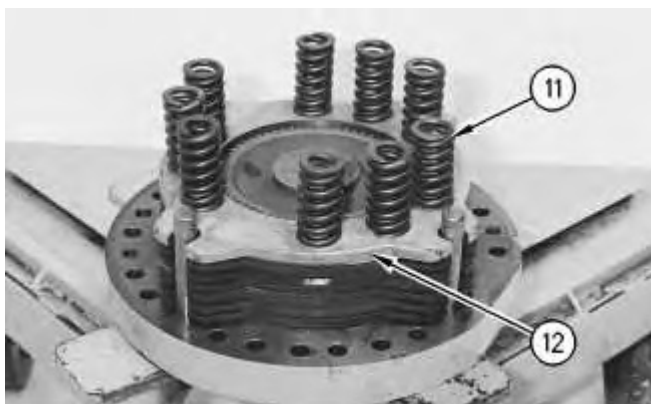
8. Remove lip seals (9) and O-ring seals (10) .



Illustration 8                                    g00375385

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