CATERPILLAR®

Service Repair Manual

Models

966F SERIES II WHEEL LOADER

Disassembly and Assembly
966F WHEEL LOADER POWER TRAIN

Media Number -SENR4771-04   **Publication Date -01/12/2005**   **Date Updated -18/02/2005**
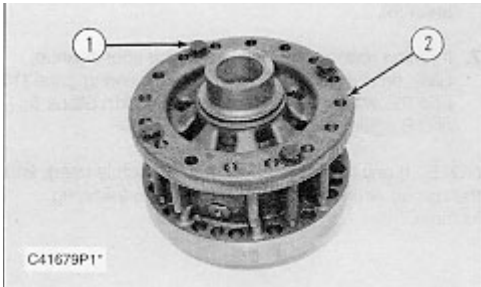
SENR47710016

Differential (Standard)
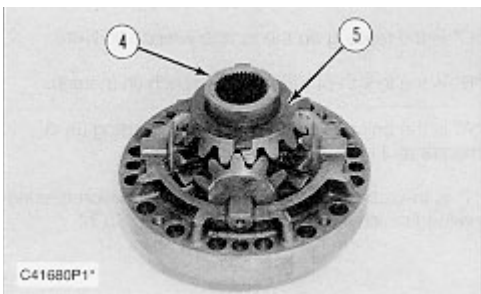
SMCS - 3258-015; 3258-016

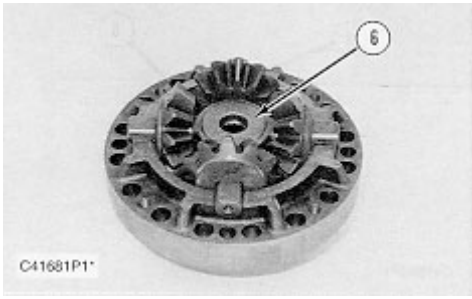# Disassemble Differential (Standard)

Start By:

a. remove differentials and pinion assemblies
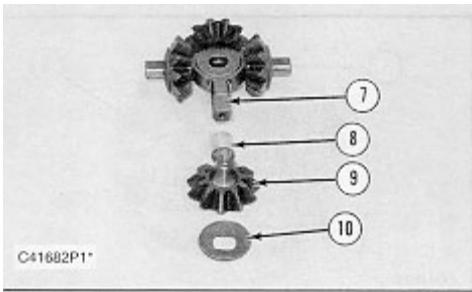

1. Remove four bolts (1) and the washers that hold case assembly (2). Remove the case assembly.
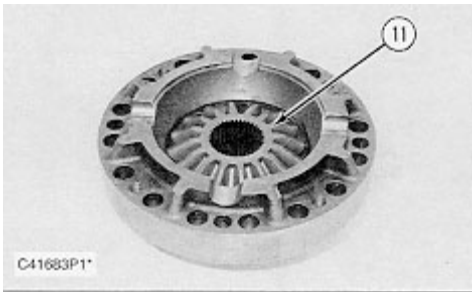

2. Remove thrust washer (5) and bevel gear (4).

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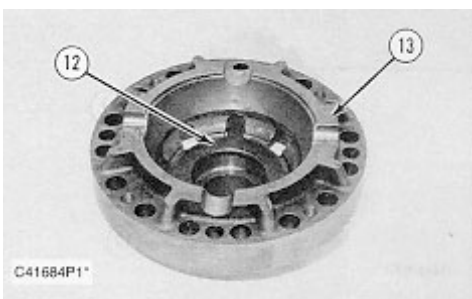**3.** Remove spider and gear assembly (6).

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4. Disassemble the spider and gear assembly. Remove thrust washer (10), bevel pinion (9) and sleeve bearing (8) from spider (7).

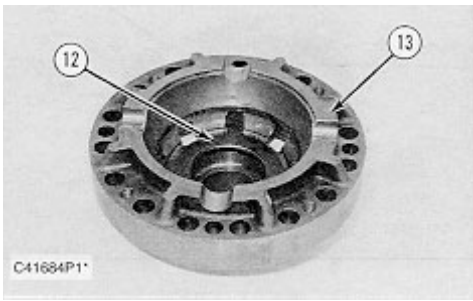**5.** Disassemble the remainder of the spider and gear assembly as in Step 5.

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6. Remove bevel gear (11) from the case assembly.
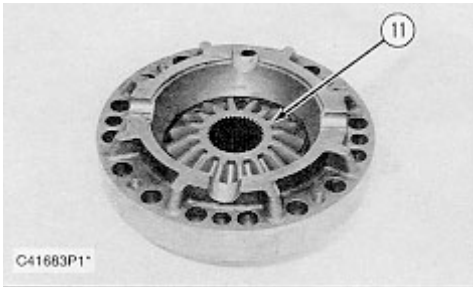
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7. Remove thrust washer (12) from case assembly (13).

Assemble Differential (Standard)

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1. Install thrust washer (12) in case assembly (13).
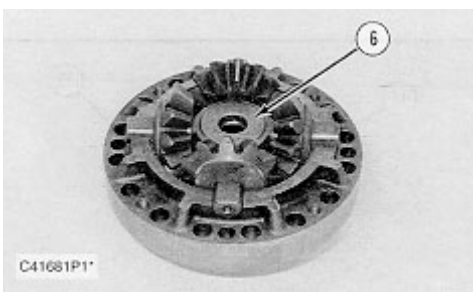

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2. Install bevel gear (11) in the case assembly.
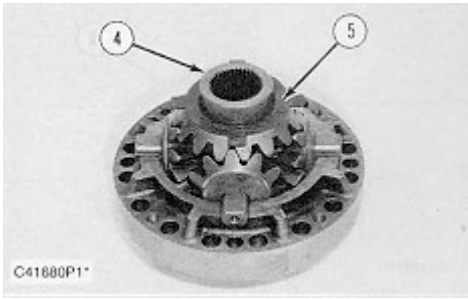

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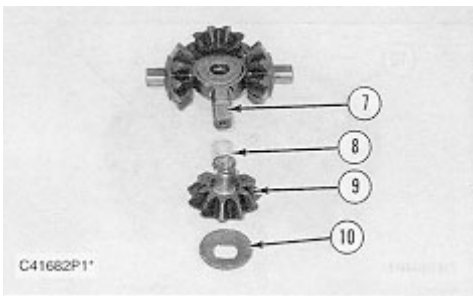
3. Assemble the spider and gear assembly. Install sleeve bearing (8), bevel pinion (9) and thrust washer (10) on spider (7).
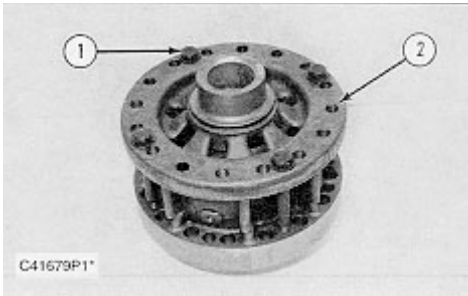
4. Assemble the remainder of the spider and gear assembly as in Step 3.

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5. Install spider and gear assembly (6) in the case assembly.

C41680P1°

6. Install bevel gear (4) and thrust washer (5) in the case assembly.

C41679P1°

7. Put case assembly (2) in position, and install four bolts (1) and the washers that hold it.

End By:

a. install differentials and pinion assemblies

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