



Service Repair Manual

Models

966F WHEEL LOADER

Product: WHEEL LOADER

Model: 966F WHEEL LOADER 4YG

Configuration: 966F WHEEL LOADER 4YG00001-UP (MACHINE) POWERED BY 3306 ENGINE

Disassembly and Assembly 966F WHEEL LOADER POWER TRAIN

Media Number -SEN4771-04

Publication Date -01/12/2005

Date Updated -18/02/2005

SEN47710017

Differential (Limited Slip)

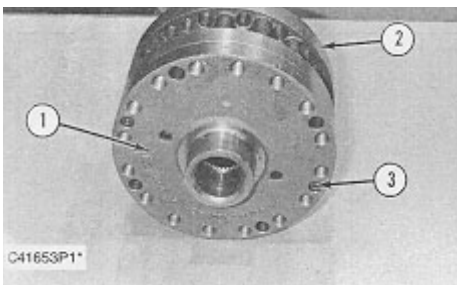
SMCS - 3263-016; 3263-015

Disassemble Differential (Limited Slip)

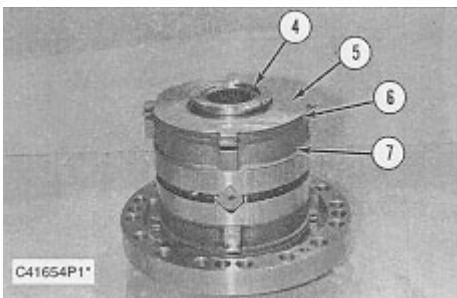
Start By:

a. remove differentials and pinion assemblies

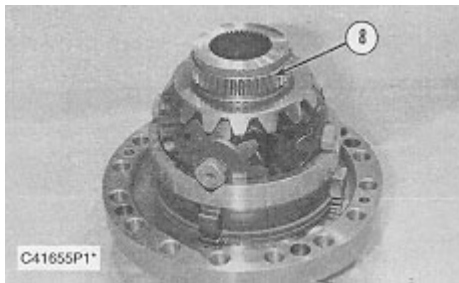
NOTE: DO NOT use this procedure with limited slip differential Part Nos. **102-7507** and **142-0444**. Refer to "Disassemble & Assemble Differential (Limited Slip) (Part Nos. **102-7507 & 142-0444**)" in this module.



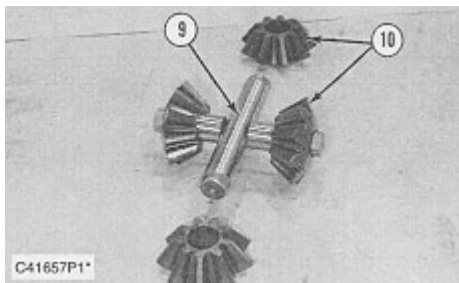
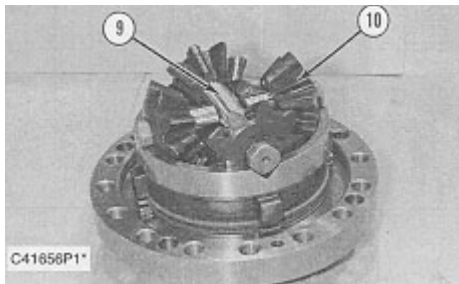
1. Remove two socket head bolts (3). Turn the differential up on differential housing cover (1), and remove differential housing (2).



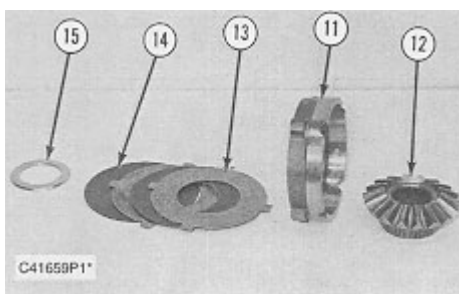
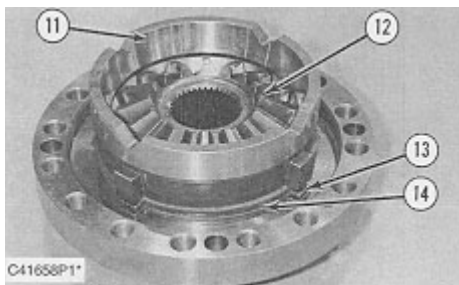
2. Remove thrust washer (4), two outer discs (5), two inner discs (6) and pressure ring (7).



3. Remove bevel gear (8).



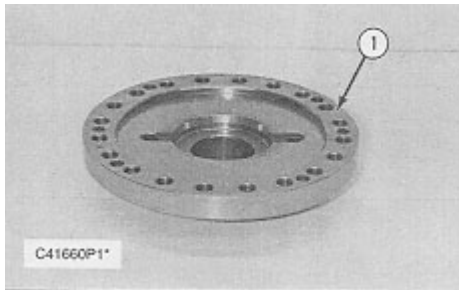
4. Remove four bevel pinions (10) and two pinion shafts (9).



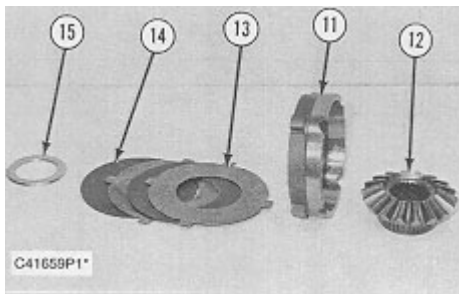
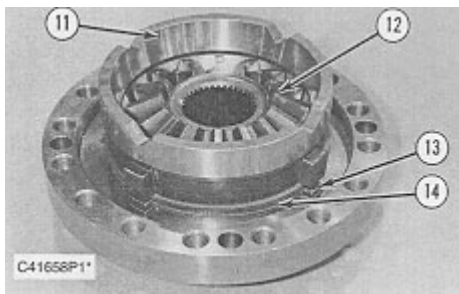
5. Remove bevel gear (12), pressure ring (11), two outer discs (13), two inner discs (14) and thrust washer (15).

Assemble Differential (Limited Slip)

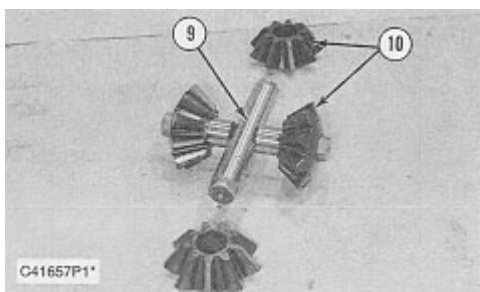
NOTE: DO NOT use this procedure with limited slip differential Part Nos. **102-7507** and **142-0444**. Refer to "Disassemble & Assemble Differential (Limited Slip) (Part Nos. **102-7507** & **142-0444**)" in this module.

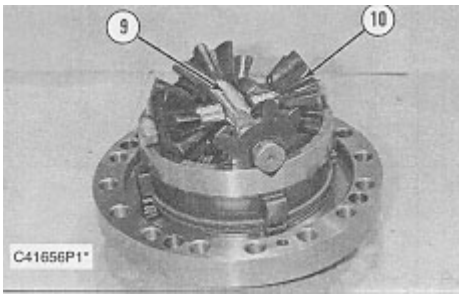


1. Put differential housing cover (1) in the position shown.

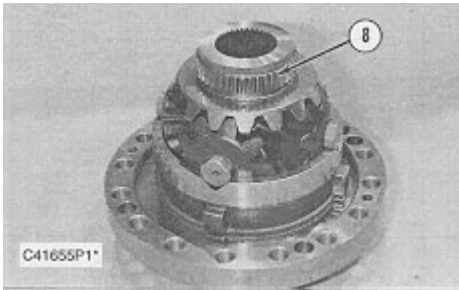


2. Install thrust washer (15), two inner discs (14), two outer discs (13), ring (11) and bevel gear (12) on differential housing cover (1).

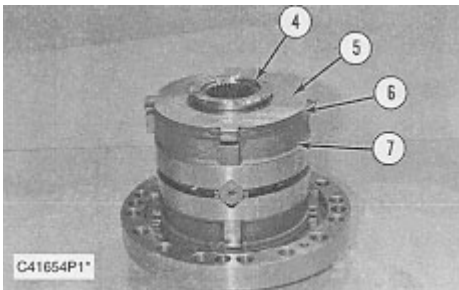




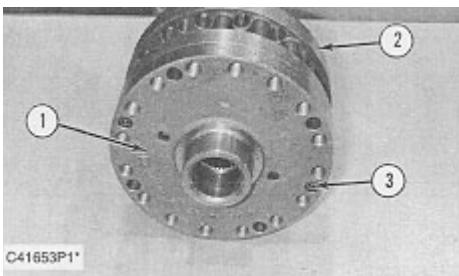
3. Install bevel gears (10) on pinion shafts (9). Install the bevel gears and pinion shafts on the pressure ring.



4. Install bevel gear (8).



5. Install pressure ring (7), two inner discs (6), two outer discs (5) and thrust washer (4).



6. Install differential housing (2). Install two socket bolts (3). Tighten socket head bolts (3) to a torque of 54 ± 10 N·m (40 ± 7 lb ft).

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