



Service Repair Manual

Models

304E Mini Hydraulic Excavator

Product: MINI HYD EXCAVATOR
Model: 304E MINI HYD EXCAVATOR SSC
Configuration: 304E Mini Hydraulic Excavator SSC00001-UP (MACHINE)

Disassembly and Assembly 303E CR, 303.5E, 304E, 305.5E and 305E Mini Hydraulic Excavators Machine Systems

Media Number -UENR0148-04

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i06906733

Final Drive and Travel Motor - Assemble

SMCS - 4050-016; 4351-016

Assembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
B	1P-1857	Retaining Ring Pliers	1
C	289-6053	Spanner Wrench	1



Illustration 1

g01243022

1. Install Duo-Cone Seal Gp (53).

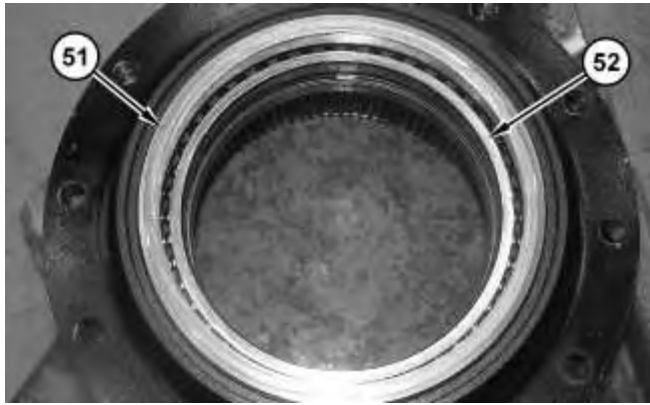


Illustration 2

g01243021

2. Install bearing (52) and Duo-Cone Seal Gp (51).

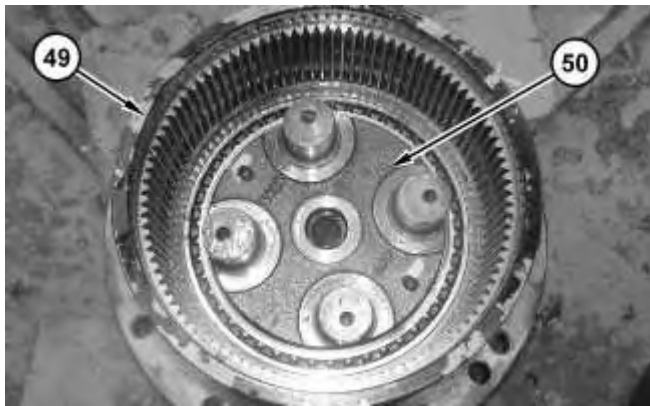


Illustration 3

g01243019

3. Install ring gear assembly (49) onto motor housing (50).

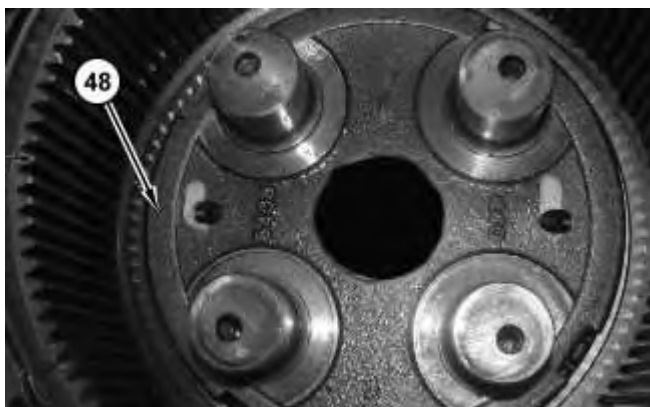


Illustration 4

g01243018

4. Use Tooling (C) to install nut (48).
5. Tighten nut (48) to a torque of 240 N·m (177 lb ft).

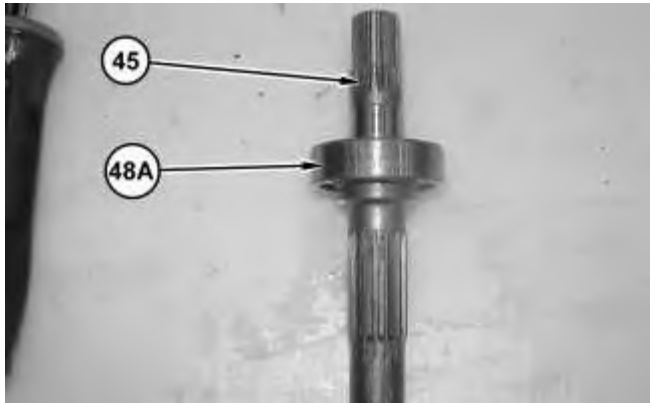


Illustration 5

g01371953

6. Raise the temperature of bearing (48A).
7. Install bearing (48A) onto shaft (45).



Improper assembly of parts that are spring loaded can cause bodily injury.

To prevent possible injury, follow the established assembly procedure and wear protective equipment.

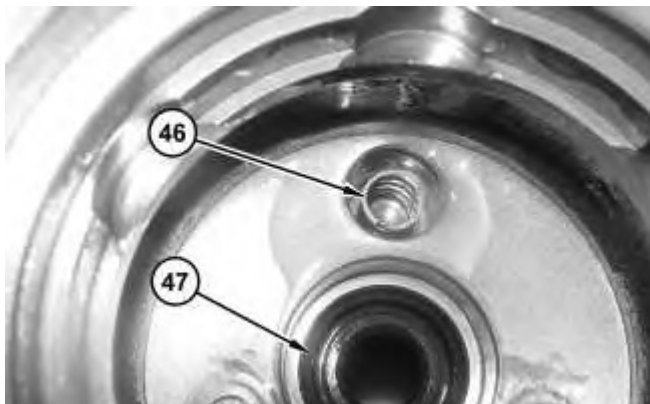


Illustration 6

g01243016

8. Install spring (45) and seal (47).

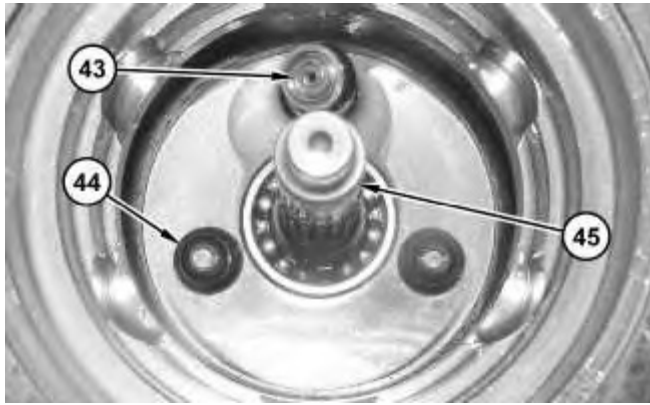


Illustration 7

g01243015

9. Install piston (43), shaft assembly (45), and rockers (44).



Illustration 8

g01243013

10. Install swashplate (42).

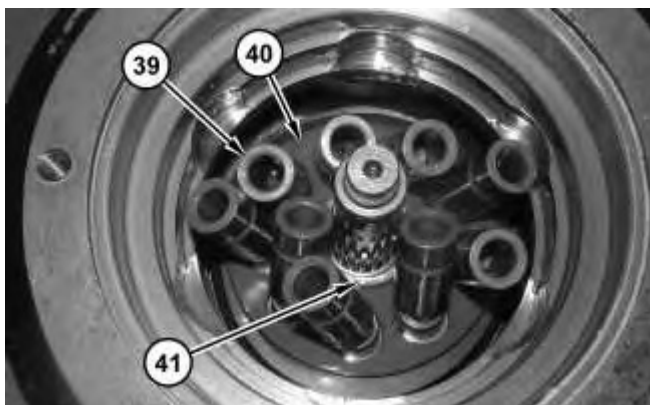


Illustration 9

g01243012

11. Install pistons (39), bearing (41), and retainer (40).

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