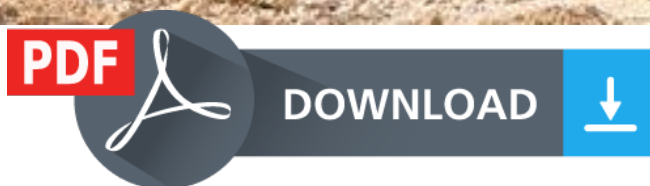


# 2008 Doosan DX420LC Crawled Excavator Service Repair Workshop Manual



# **DX420LC**

Shop Manual

K1009096AE

Serial Number 5327 and Up

*Doosan reserves the right to improve our products in a continuing process to provide the best possible product to the market place. These improvements can be implemented at any time with no obligation to change materials on previously sold products. It is recommended that consumers periodically contact their distributors for recent documentation on purchased equipment.*

*This documentation may include attachments and optional equipment that is not available in your machine's package. Please call your distributor for additional items that you may require.*

*Illustrations used throughout this manual are used only as a representation of the actual piece of equipment, and may vary from the actual item.*

### Disassembling Carrier 2 Assembly

**NOTE:** When carrier pins 2 (12) are to be re-used, mark each pin with its mated hole of carrier 2 (11) to assure the same combination as before.

1. Drive spring pins (15) into pins 2 (12).
2. Remove carrier pins 2 (12) from carrier 2 (11).

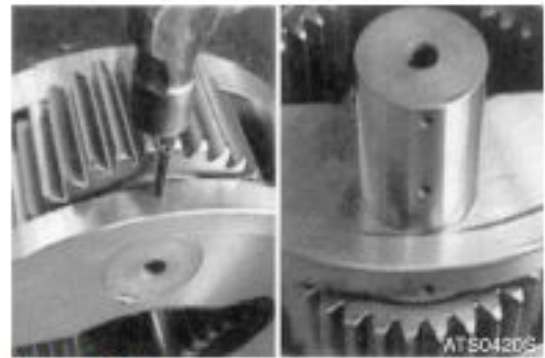


Figure 38

3. Remove thrust washers 2 (16), planetary gears 2 (14), and needle bearings (13).
4. Drive out spring pins (15) from carrier pins 2 (17) for reassembling.

**NOTE:** When carrier pin 2 (12) or planetary gear 2 (14) is replaced, all four pins or four gears should be replaced.

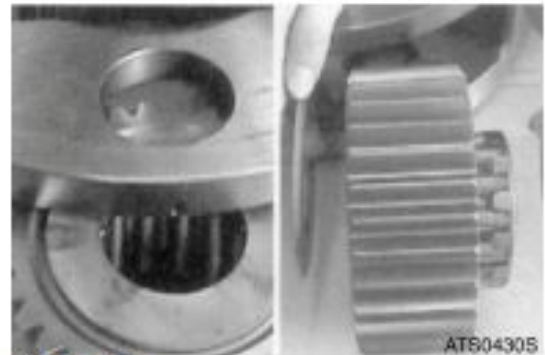


Figure 39

## Assembling

### General Notes

1. Clean every part with kerosene and dry them with compressed air. Surfaces to be coated with Loctite must be degreased with solvent.
2. Check every part for any abnormalities.
3. Each cap screw should be coated with Loctite #242 applied on its threads.
4. Apply gear oil lightly on each part before assembling.
5. Be careful not to pinch your hand between parts while assembling nor let parts fall on your foot while lifting them.

### Assembling Carrier 2 Assembly

1. Install planetary gears 2 (14), needle bearings (13) and thrust washers 2 (16) into carrier 2 (11).
2. Install carrier pins 2 (12) into carrier 2 (11). Align holes for spring pins (15) with those in carrier 2 (11).

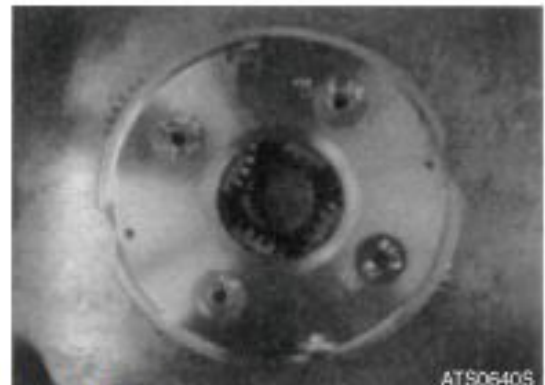


Figure 40

# **DX420LC**

Shop Manual

K1009096E

Serial Number 5001 and Up

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