

2006 Doosan DX255LC Crawled Excavator Service Repair Workshop Manual



DX255LC

Shop Manual

K1016585E

Serial Number 5001 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.

9. Remove manifold (7) and inspect for cracks surface scoring, brinelling or spalling. Replace manifold if any of these conditions exist. SEE FIGURE 13. A polished pattern on the ground surface from commutator or rotor rotation is normal. Remove and discard the seal rings (4) that are on both sides of the manifold.

NOTE: *The manifold is constructed of plates bonded together to form an integral component not subject to further disassembly for service. Compare configuration of both sides of the manifold to ensure that same surface is reassembled against the rotor set.*

10. Remove rotor set (8) and wear plate (9), together to retain the rotor set in its assembled form, maintaining the same rotor vane (8C) to stator (8B) contact surfaces. See Figure 16. The drive link (10) may come away from the coupling shaft (12) with the rotor set, and wear plate. You may have to shift the rotor set on the wear plate to work the drive link out of the rotor (8A) and wear plate. See Figure 17. Inspect the rotor set in its assembled form for nicks, scoring, or spalling on any surface and for broken or worn splines. If the rotor set component requires replacement, the complete rotor set must be replaced as it is a matched set. Inspect the wear plate for cracks, brinelling, or scoring. Discard seal ring (4) that is between the rotor set and wear plate.

NOTE: *The rotor set (8) components may become disassembled during service procedures. Marking the surface of the rotor and stator that is facing UP, with etching ink or grease pencil before removal from Torqmotor™ will ensure correct reassembly of rotor into stator and rotor set into Torqmotor™. Marking all rotor components and mating spline components for exact repositioning at assembly will ensure maximum wear life and performance of rotor set and Torqmotor™.*



Figure 14



Figure 15



Figure 16

The Small Frame Series MG and MF Torqmotor™ dirt and water seal (20) must be pressed in until its' flange is flush against the housing. See Figure 42.



Figure 42

The Large Frame Series MB and ME Torqmotor™ dirt and water seal (20) must be pressed in with the lip facing out and until the seal is flush to 0.020 inches (0.51 mm) below the end of housing. See Figure 43.

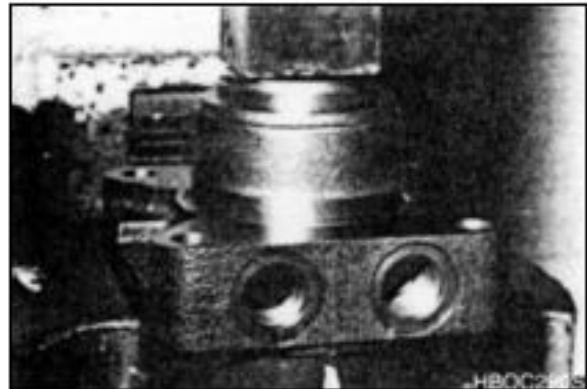


Figure 43

4. Place housing (18) assembly into a soft jawed vise with the coupling shaft bore down, clamping against the mounting flange. See Figure 44.

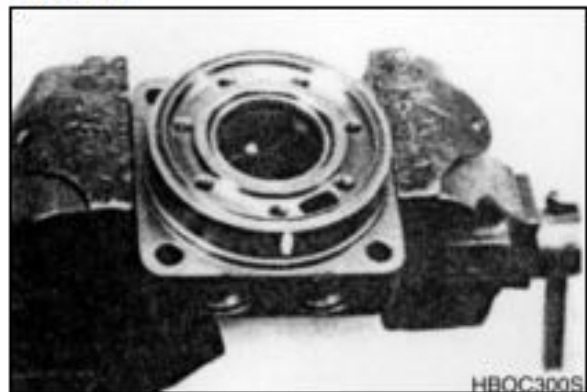


Figure 44

5. On Small Frame, Series MG and MF Torqmotors™ assemble a new backup washer (17) and new seal (16) with the seal lip facing toward the inside of Torqmotor™ (See Figure 72), into their respective counterbores in housing (18) if they were not assembled in procedure 2.



Figure 45



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for your reading.
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to get more information.