



Service Repair Manual

Models

M313C WHEELED Excavator

Product: WHEELED EXCAVATOR

Model: M313C WHEELED EXCAVATOR BDR

Configuration: M313C Excavator BDR00001-02000 (MACHINE) POWERED BY 3054 Engine

Disassembly and Assembly M313C Excavator Machine Systems

Media Number -REN9201-02

Publication Date -01/02/2009

Date Updated -12/02/2009

i01916343

Main Control Valve - Disassemble

SMCS - 5051-015-MV; 5051-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	7X-2533	Bolt	1

Start By:

- a. Remove the main control valve. Refer to Disassembly and Assembly, "Main Control Valve - Remove".

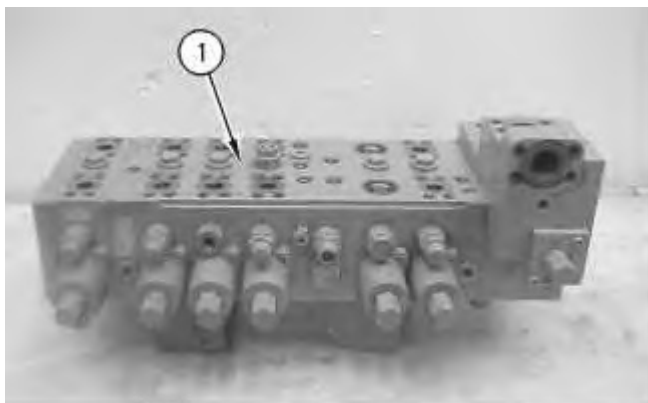


Illustration 1

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1. Position main control valve (1) on wood blocks.

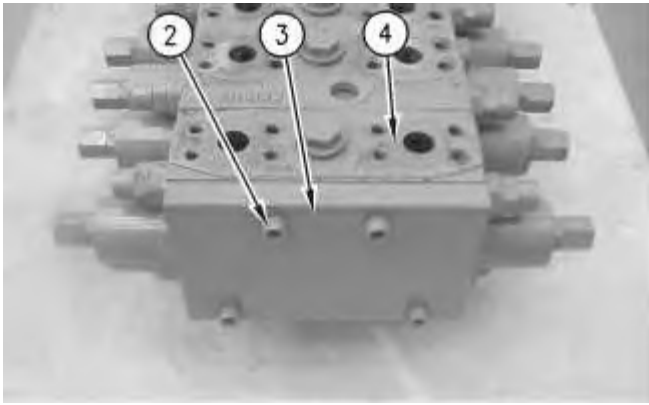


Illustration 2

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2. Remove bolts (2), plate (3), and valve (4).

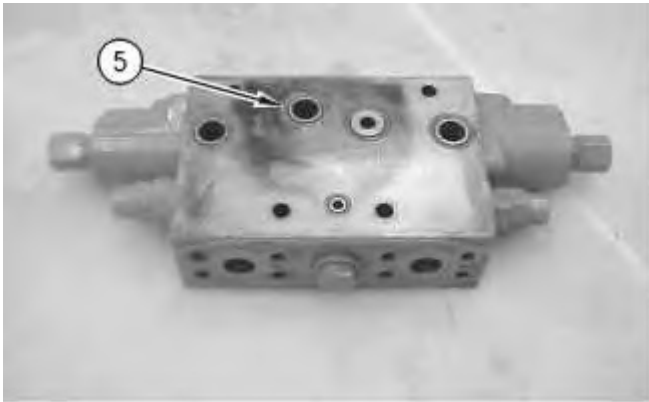


Illustration 3

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3. Remove O-ring seals (5).

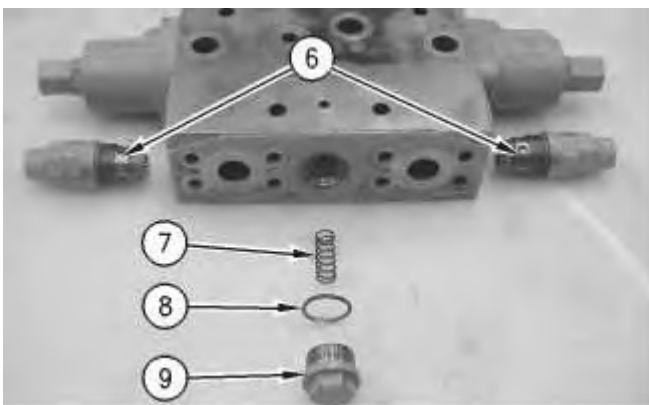


Illustration 4

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 **WARNING**

Personal injury can result from being struck by parts propelled by a released spring force.

Make sure to wear all necessary protective equipment.

Follow the recommended procedure and use all recommended tooling to release the spring force.

4. Remove relief valves (6), plug (9), O-ring seal (8), and spring (7).

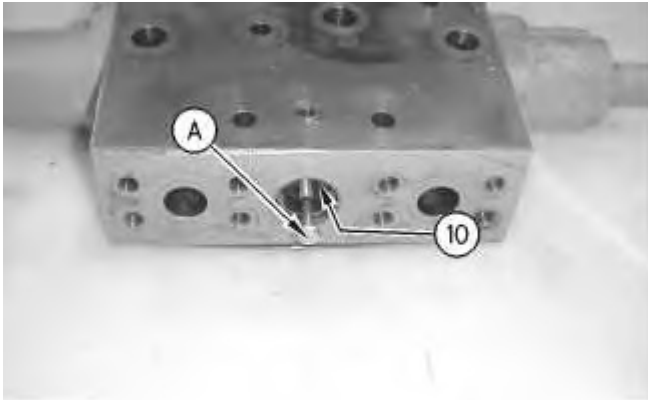


Illustration 5

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5. Install Tooling (A) in order to remove compensator spool (10).

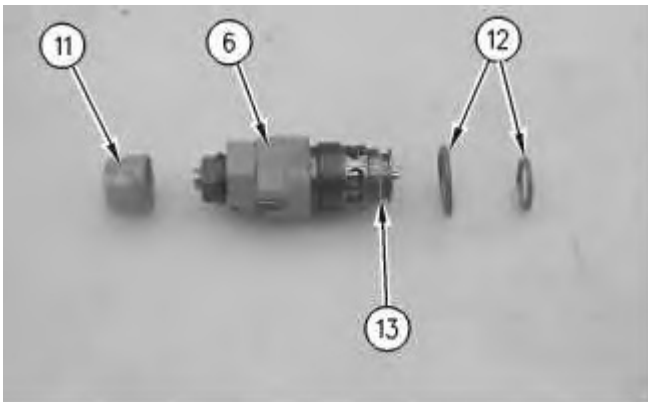


Illustration 6

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6. Remove cap (11) and O-ring seals (12) from relief valve (6).
 7. Remove backup ring (13), if necessary.
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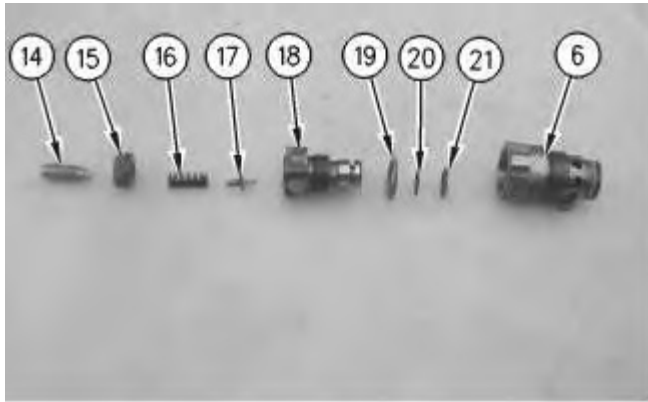


Illustration 7

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WARNING

Personal injury can result from being struck by parts propelled by a released spring force.

Make sure to wear all necessary protective equipment.

Follow the recommended procedure and use all recommended tooling to release the spring force.

8. Remove screw (14), nut (15), spring (16), poppet (17), housing (18), O-ring seal (19), ring (21), and O-ring seal (20) from valve housing (6).

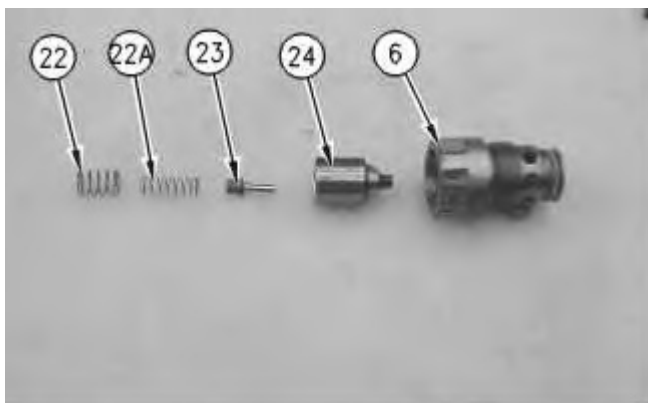


Illustration 8

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WARNING

Personal injury can result from being struck by parts propelled by a released spring force.

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