

Relief Valve (Main) - Test and Adjust

SMCS - 5069-025; 5069-081

Specification

Table 1

"Relief Valve (Main) - Test and Adjust"				
	Item	Machine Settings	Specification	Actual
Main Relief ⁽¹⁾	Implement	Speed Dial "10" AEC switch OFF	32000 ± 500 kPa (4641 ± 73 psi)	
	Travel / Boom Raise	Speed Dial "10" AEC switch OFF	35000 ± 500 kPa (5076 ± 73 psi)	

(1) To adjust the main relief valve, always adjust the travel / boom raise main relief valve before adjustments are made to the implement main relief valve. An adjustment to the travel / boom raise operation of the main relief valve will change the pressure setting of the implement operation of the main relief valve.

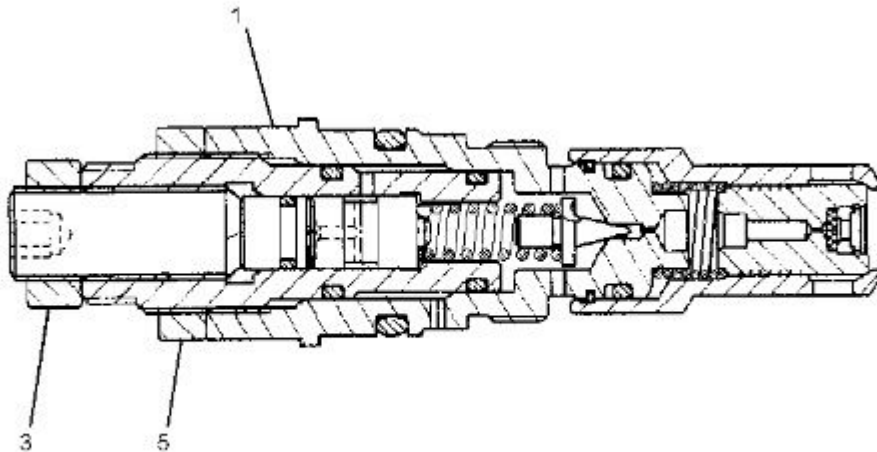


Table 2

Torque Specification		
Item	Part	Torque
(1)	Relief Valve	73.5 ± 4.5 N·m (54.2 ± 3.3 lb ft)
(3)	Locknut (implement)	29.4 ± 2 N·m (21.7 ± 1.5 lb ft)
(5)	Locknut (travel / boom raise)	29.4 ± 2 N·m (21.7 ± 1.5 lb ft)

Introduction

The main relief valve is located in the top of the main control valve. The main relief valve limits the maximum operating pressure of the travel hydraulic circuit and the implement hydraulic circuits when the machine is at a load condition.

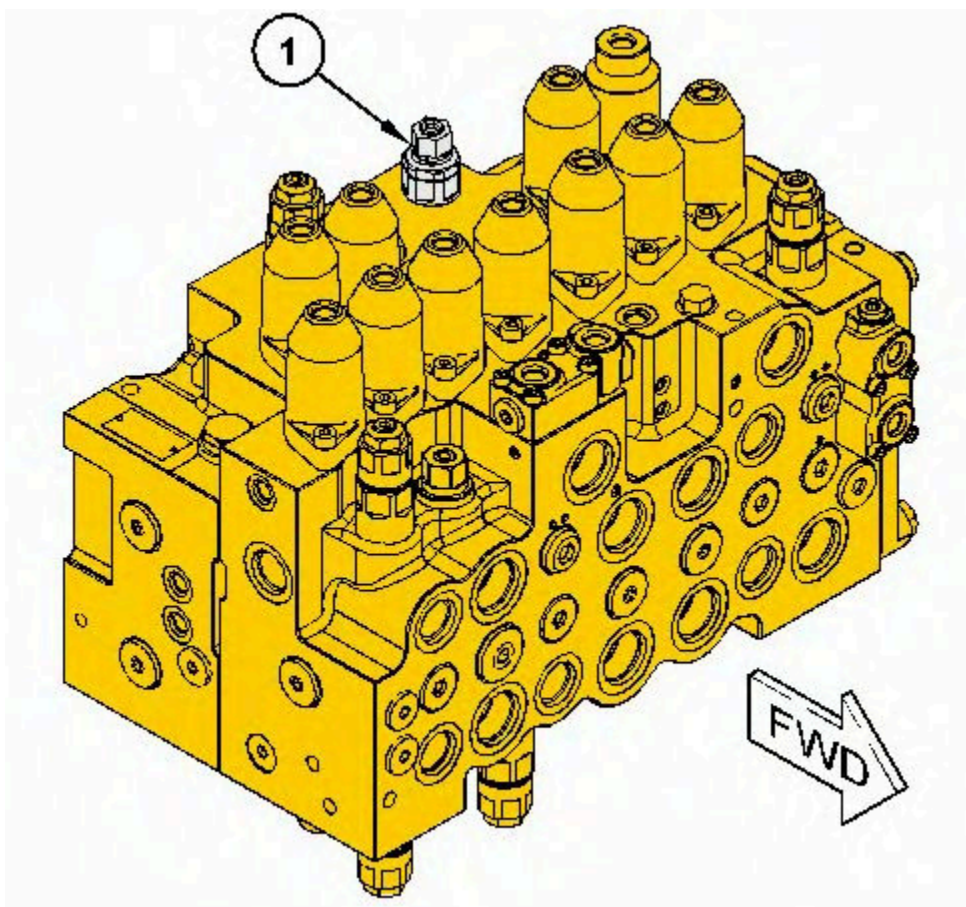


Illustration 2
Main control valve
(1) Main relief valve

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Required Tools