

Position Control Feedback Rod Adjustment

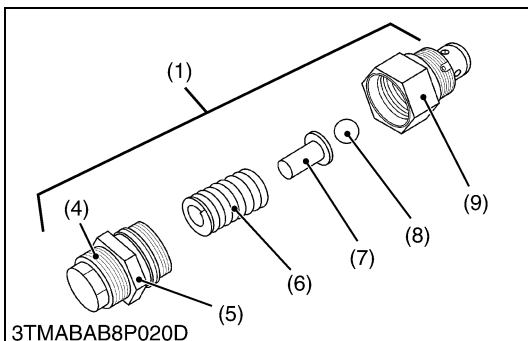
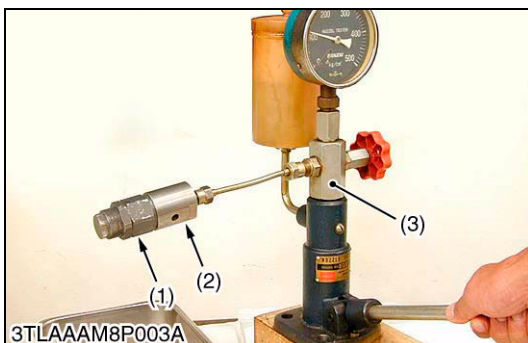
1. Set the position control lever (1) (the draft control lever (2), if equipped) to the lowest position.
2. Start the engine and set the engine at idling speed (allow the engine to warm up for approx. 5 minutes).
3. Move the position control lever (1) to the uppermost position. [Contact to the position control lever stopper (3).]
4. Turn the adjusting nut (4) and lock nut (5) together clockwise until the relief valve begins to be operated.
5. Turn the adjusting nut (4) and lock nut (5) together counter clockwise 2 turns.
6. Tighten the lock nut (5).
7. Set the engine speed at the maximum.
8. Move the position control lever (1) to the lowest position and uppermost position (3 to 5 times) to check the relief valve does not operate.
9. Set the position control lever (1) to the uppermost position, then move the lift arm to the upper end by hand and measure the free play.
10. Stop the engine.
11. If the measurement is not within the factory specifications, adjusting position control feedback rod again.

Lift arm free play at maximum raising position	Factory spec.	10 to 15 mm 0.39 to 0.58 in.
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- (1) Position Control Lever (4) Adjusting Nut
(2) Draft Control Lever (If Equipped) (5) Lock Nut
(3) Position Control Feedback Rod

A : Lift Arm Free Play

W1020369



Cylinder Safety Valve Operating Pressure

1. Install the cylinder safety valve to the cylinder safety valve setting pressure adaptor.
2. Set the cylinder safety valve setting pressure adaptor to the nozzle tester.
3. Measure the cylinder safety valve operating pressure.
4. If the operating pressure is not within the factory specifications, adjust the operating pressure by turning the adjusting screw (4).
5. After adjustment, tighten the lock nut (5) firmly.

NOTE

- Use specified transmission fluid to measure the cylinder safety valve operating pressure.

Hydraulic cylinder safety valve operating pressure	Factory spec.	19.6 to 22.6 MPa 200 to 230 kgf/cm ² 2845 to 3277 psi
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Tightening torque	Cylinder safety valve lock nut	58.8 to 78.5 N·m 6.0 to 8.0 kgf·m 43.4 to 57.9 lbf·ft
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- (1) Cylinder Safety Valve (5) Lock Nut
(2) Cylinder Safety Valve Setting Pressure Adaptor (6) Spring
(3) Nozzle Tester (7) Seat
(4) Adjusting Screw (8) Ball
(9) Housing

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