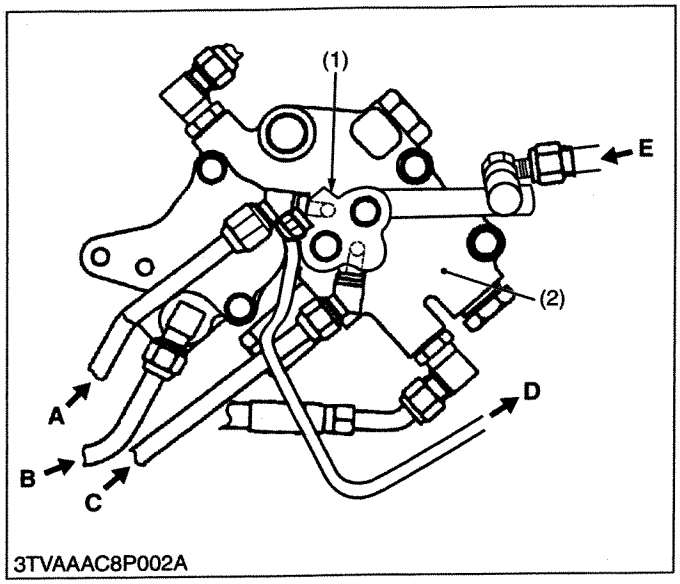
6. HYDRAULIC BLOCK TYPE OUTLET



3TVAAAC8P002A

The hydraulic block type outlet is located on the control valve assembly.

This hydraulic block type outlet is provided to take power out from the tractor to operate the hydraulic cylinders on the implement, such as front end loader, backhoe and so on.

(1) Block Outlet Cover
(2) Hydraulic Control Valve Assembly

A : To Front Loader (Outlet) Max. flow 14 L/min. (3.7 U.S.gals./min, 3.1 Imp.gals./min.)
B : Return Port
C : From Front Loader (Inlet)
D : To Backhoe (Outlet)
E : From Backhoe (Inlet)

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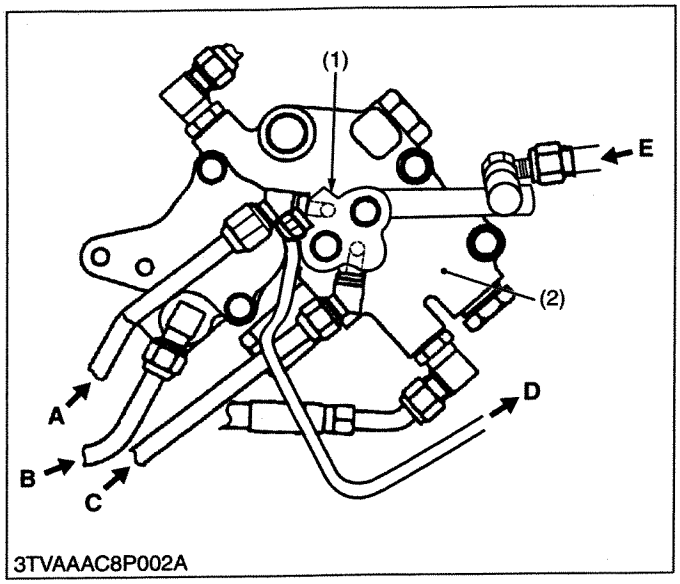
6. HYDRAULIC BLOCK TYPE OUTLET



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D : To Backhoe (Outlet)
E : From Backhoe (Inlet)

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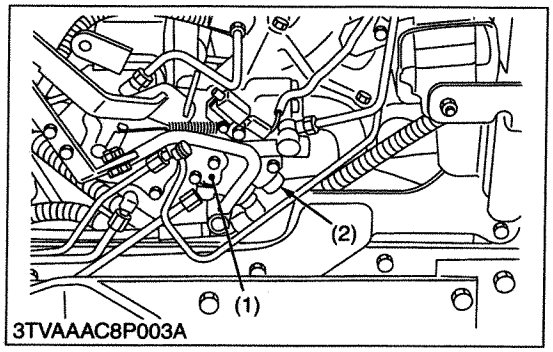
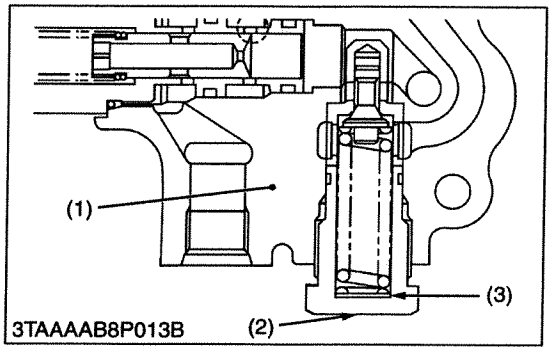
4. CHECKING, DISASSEMBLING AND SERVICING

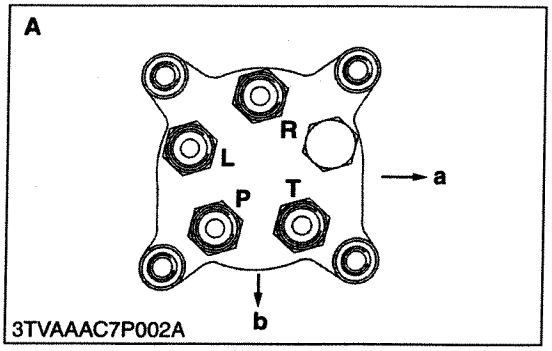
[1] HYDRAULIC PUMP

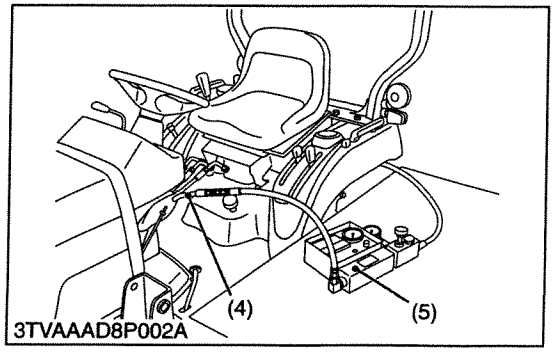
(1) Checking

■ **NOTE**
- **Two kinds of flowing quantity from the pump divides.**
- **Measure flowing quantity in two places and put out the total flow.**









Flowmeter Connecting and Test Preparation 1

■ **IMPORTANT**
- **Use the instruction with the flowmeter when you use the flowmeter.**
- **While testing, do not close the flowmeter loading valve completely.**
- **Added shim is a thing removed after it measures it.**

1. Remove the rear wheel LH.
2. Add shim to the relief valve 0.4 mm (0.0157 in.).
3. Remove the under panel.
4. Disconnect the power steering hoses.
5. Connect the power steering hose (4) (**From pump**) and flowmeter inlet port.
6. Connect the another hydraulic test hose to flowmeter outlet port and transmission oil filling port.
7. Open the flowmeter loading valve completely. (Turn counterclockwise.)
8. Start the engine and set the **Maximum engine speed**.
9. Slowly close the loading valve to generate the pressure **approx. 12.7 MPa (130 kgf/cm^2, 1849 psi)**.
10. Hold in this condition until oil temperature reaches approx. 50 °C (122 °F).

(1) Control Valve
(2) Relief Valve
(3) Shim
(4) Power Steering Hose (From Pump)
(5) Flowmeter

A : Bottom View
a : Right
b : Front

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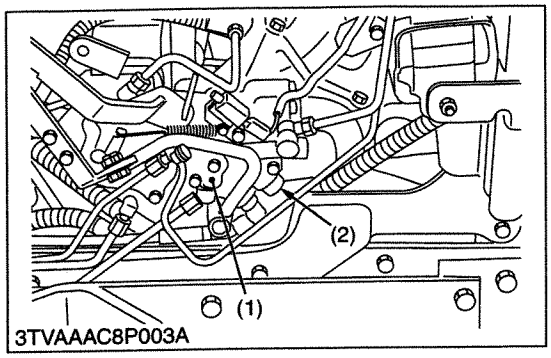

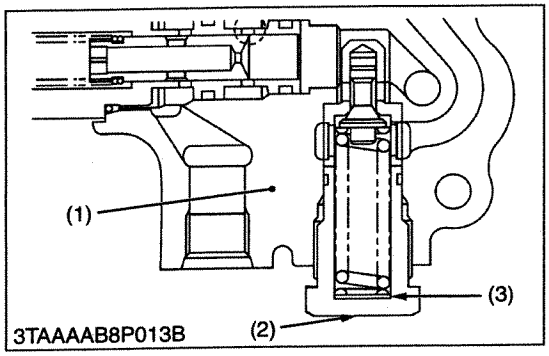

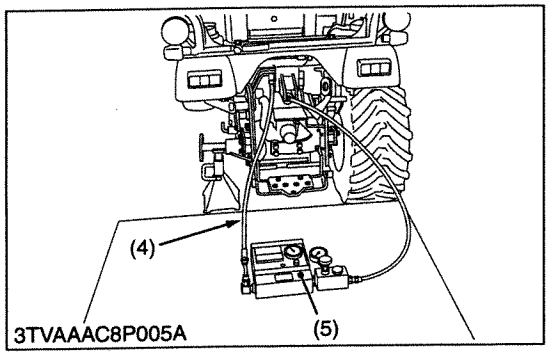

Flowmeter Connecting and Test Preparation 2

■ **IMPORTANT**

- **Use the instruction with the flowmeter when you use the flowmeter.**
- **While testing, do not close the flowmeter loading valve completely.**
- **Added shim is a thing removed after it measures it.**

1. Remove the rear wheel LH.
2. Add shim to the relief valve 0.4 mm (0.0157 in.).
3. Disconnect the power steering hose of backhoe inlet hose.
4. Connect the power steering hose (4) and flowmeter inlet port.
5. Connect the another hydraulic test hose to flowmeter outlet port and transmission oil filling port.
6. Open the flowmeter loading valve completely. (Turn counterclockwise.)
7. Start the engine and set the **Maximum engine speed**.
8. Slowly close the loading valve to generate the pressure **approx. 12.7 MPa (130 kgf/cm^2, 1849 psi)**.
9. Hold in this condition until oil temperature reaches approx. 50 °C (122 °F).

(1) Control Valve
(2) Relief Valve
(3) Shim
(4) Power Steering Hose (From Pump)
(5) Flowmeter

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