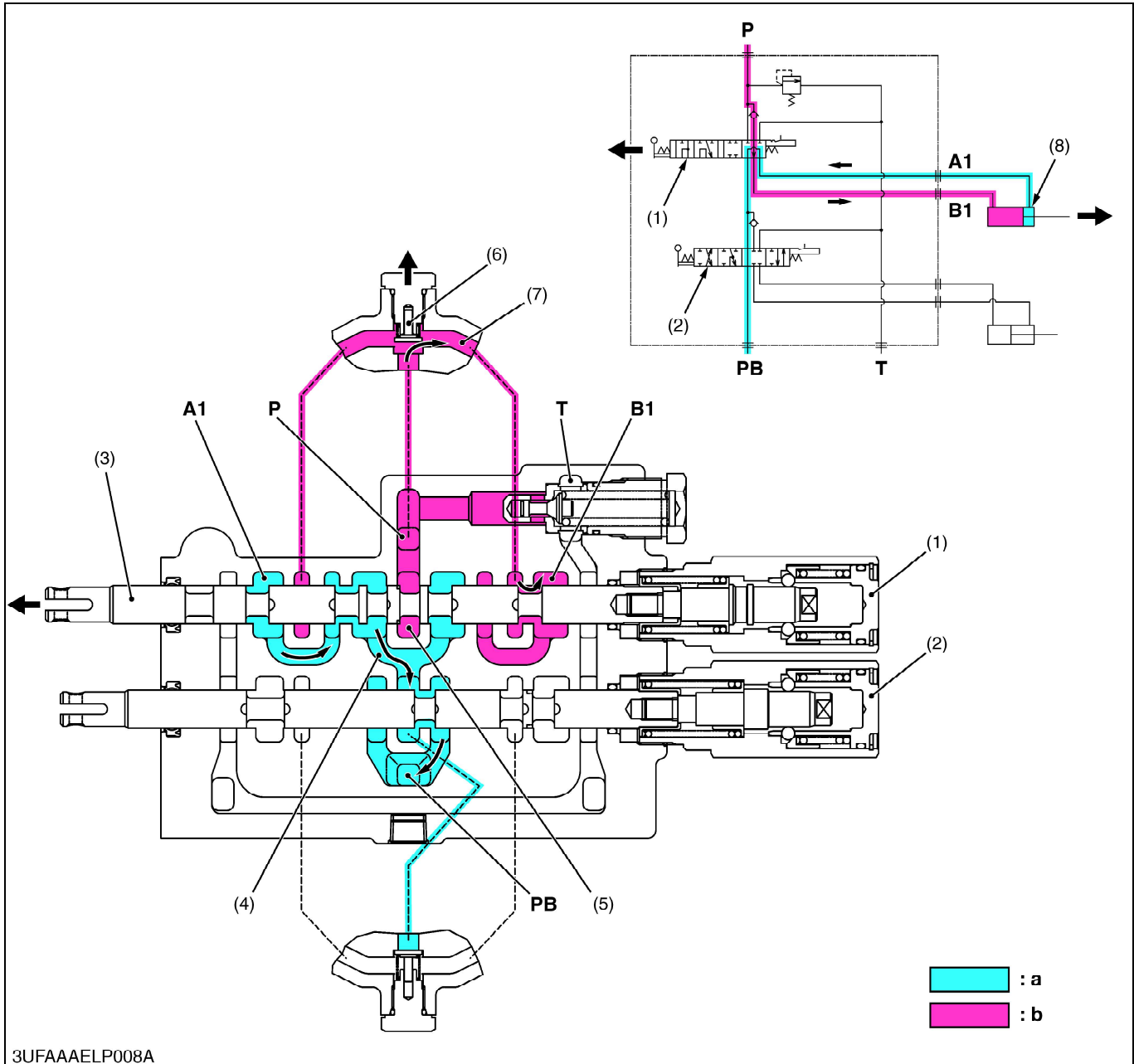


**Up**



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- |                            |                       |                  |                                       |
|----------------------------|-----------------------|------------------|---------------------------------------|
| (1) Boom Control Section   | (5) Neutral Passage 1 | <b>P:</b> P Port | <b>A1:</b> A1 Port                    |
| (2) Bucket Control Section | (6) Load Check Valve  | <b>T:</b> T Port | (From Boom Cylinder)                  |
| (3) Spool                  | (7) Passage 1         |                  | <b>B1:</b> B1 Port (To Boom Cylinder) |
| (4) PB Passage 1           | (8) Boom Cylinder     |                  | <b>PB:</b> PB Port                    |
|                            |                       |                  | <b>a:</b> Low Pressure                |
|                            |                       |                  | <b>b:</b> High Pressure               |

- When the hydraulic control lever is set to the "UP" position, the spool (3) of the boom control section (1) moves to the left, which forms oil passages between passage 1 (7) and B1 port, and between A1 port and PB passage 1 (4).
- As the oil passage from the neutral passage 1 (5) to the PB passage 1 (4) is closed by the spool (3), the pressure-fed oil from the P port opens the load check valve (6) and flows through the notched section of the spool (3) and B1 port to extend the boom cylinder (8).
- Return oil from the boom cylinder (8) flows from the A1 port through the passage in the spool (3) and PB passage 1 (4) to the bucket control section (2).

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