# 18. Brake Hose and Pipe AIRBAG

**SUPPLEMENTAL RESTRAINT SYSTEM "AIRBAG"**

Airbag system wiring harness is routed near the center brake pipe.

**CAUTION:**

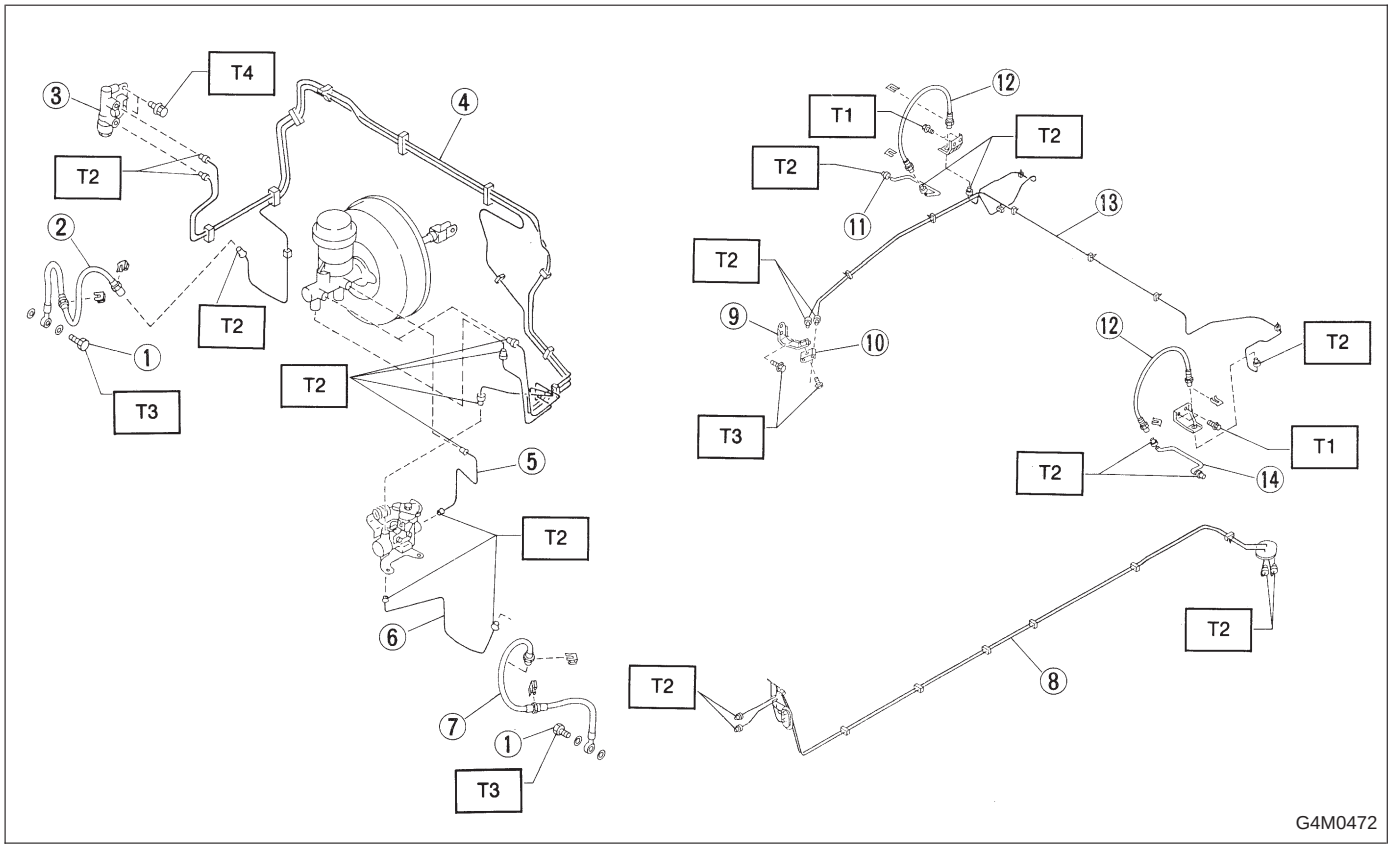
- **All Airbag system wiring harness and connectors are colored yellow. Do not use electrical test equipment on these circuit.**
- **Be careful not to damage Airbag system wiring harness when servicing the center brake pipe.**

## A: REMOVAL AND INSTALLATION

**CAUTION:**

- **When removing and installing the brake pipe, make sure that it is not bent.**
- **After installing the brake pipe and hose, bleed the air.**
- **After installing the brake hose, make sure that it does not touch the tire or suspension assembly, etc.**

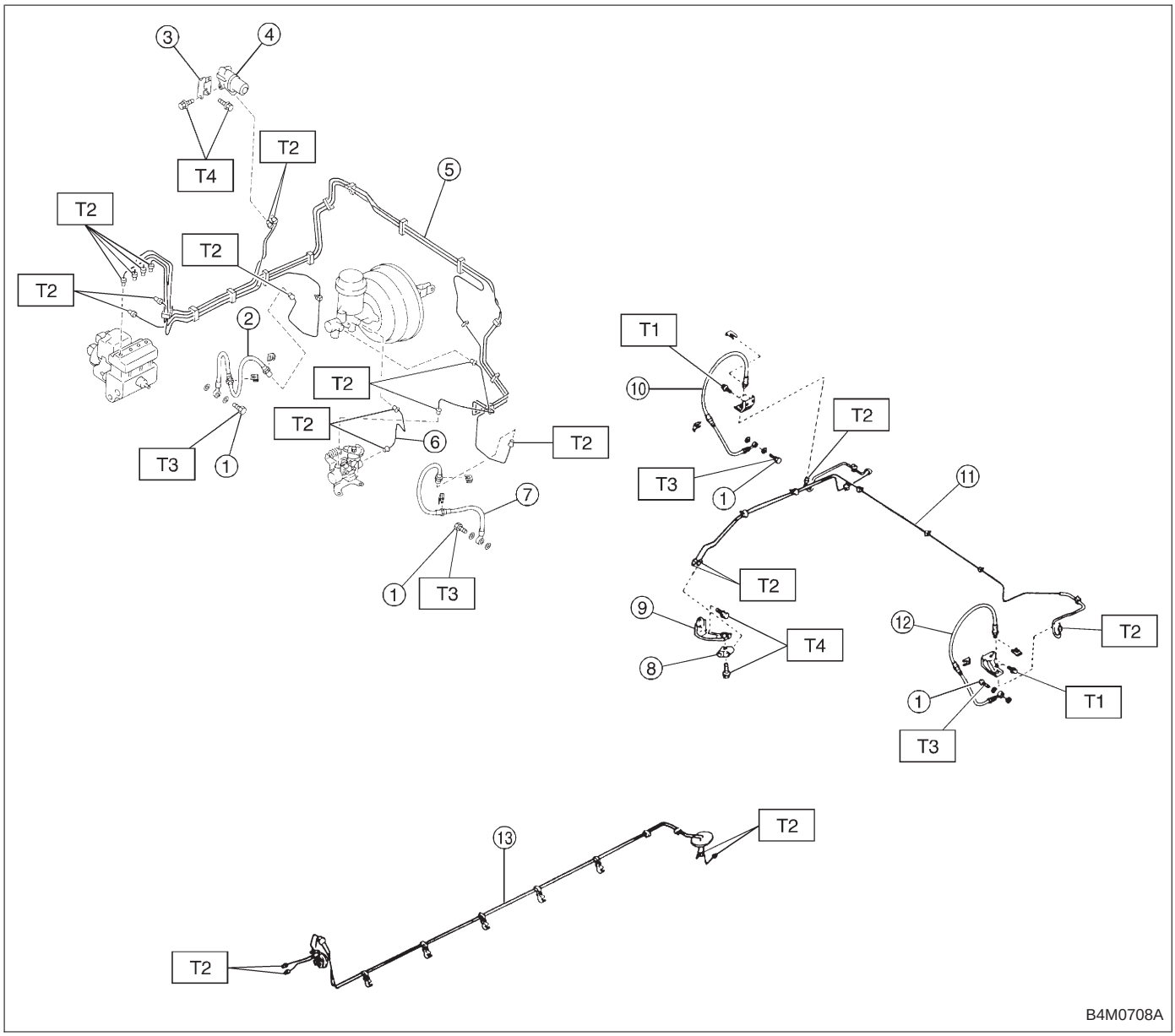
### 1. MODELS WITHOUT ABS




① Union bolt
② Front brake hose RH
③ Proportioning valve
④ Front brake pipe
⑤ Front adapter pipe (UPPER)
⑥ Front adapter pipe (LOWER)
⑦ Front brake hose LH
⑧ Center brake pipe ASSY
⑨ Connector bracket
⑩ Two-way connector
⑪ Rear brake pipe RH
⑫ Rear brake hose drum
⑬ Rear brake pipe ASSY
⑭ Rear brake pipe LH

***Tightening torque: N·m (kg-m, ft-lb)***
***T1: 13±3 (1.3±0.3, 9.4±2.2)***
***T2: $15^{+3}_{-2}$ ($1.5^{+0.3}_{-0.2}$, $10.8^{+2.2}_{-1.4}$)***
***T3: 18±3 (1.8±0.3, 13.0±2.2)***
***T4: 18±5 (1.8±0.5, 13.0±3.6)***

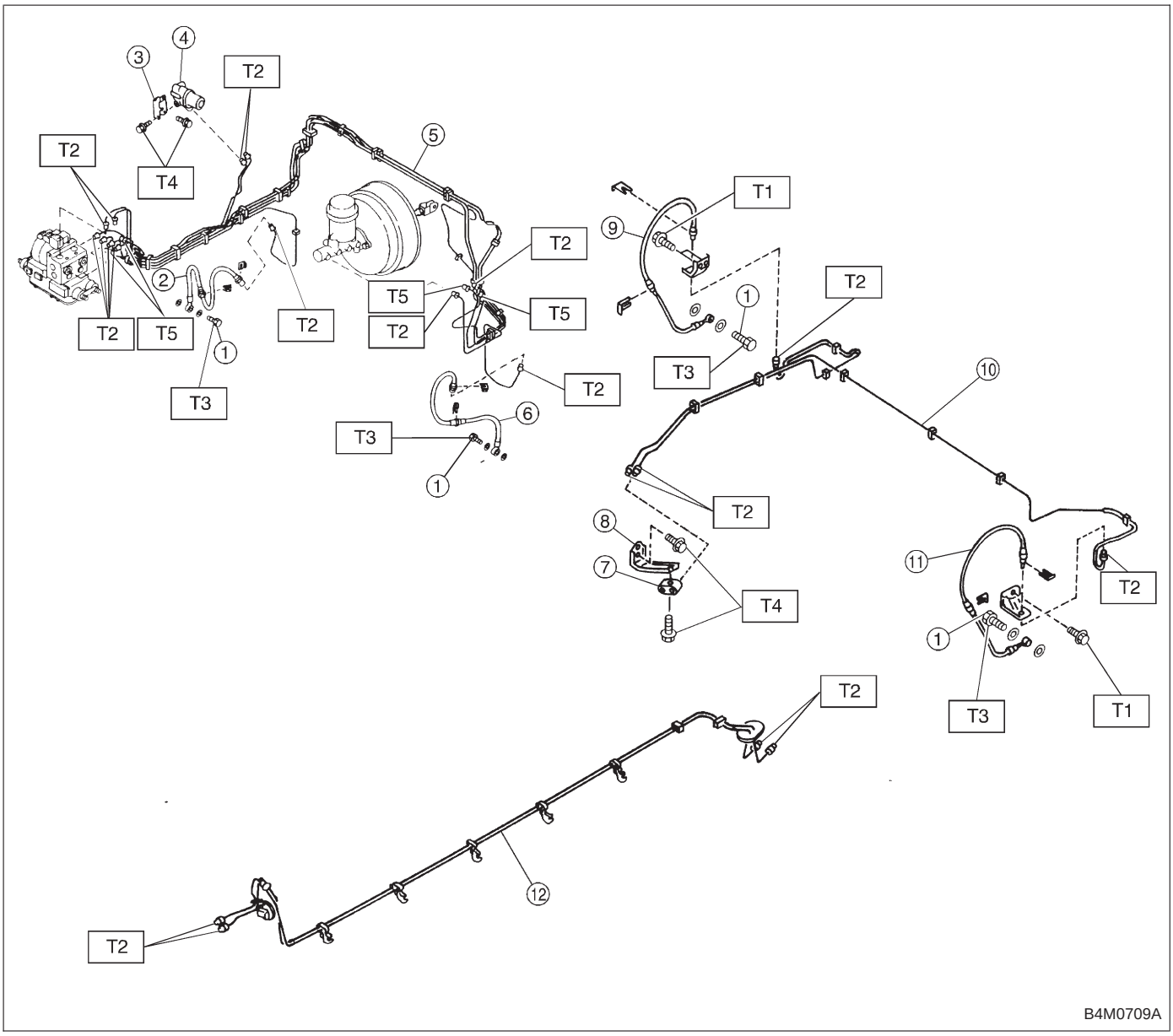
## 2. MODELS WITH ABS (EXCEPT ABS 5.3 TYPE)




① Union bolt
② Front brake hose RH
③ Valve bracket
④ Proportioning valve
⑤ Front brake pipe ASSY
⑥ Front adapter pipe
⑦ Front brake hose LH
⑧ Two-way connector
⑨ Connector bracket
⑩ Rear brake hose RH
⑪ Rear brake pipe ASSY
⑫ Rear brake hose LH
⑬ Center brake pipe ASSY

***Tightening torque: N·m (kg-m, ft-lb)***
***T1: 13±3 (1.3±0.3, 9.4±2.2)***
***T2: $15^{+3}_{-2}$ ($1.5^{+0.3}_{-0.2}$, $10.8^{+2.2}_{-1.4}$)***
***T3: 18±3 (1.8±0.3, 13.0±2.2)***
***T4: 18±5 (1.8±0.5, 13.0±3.6)***

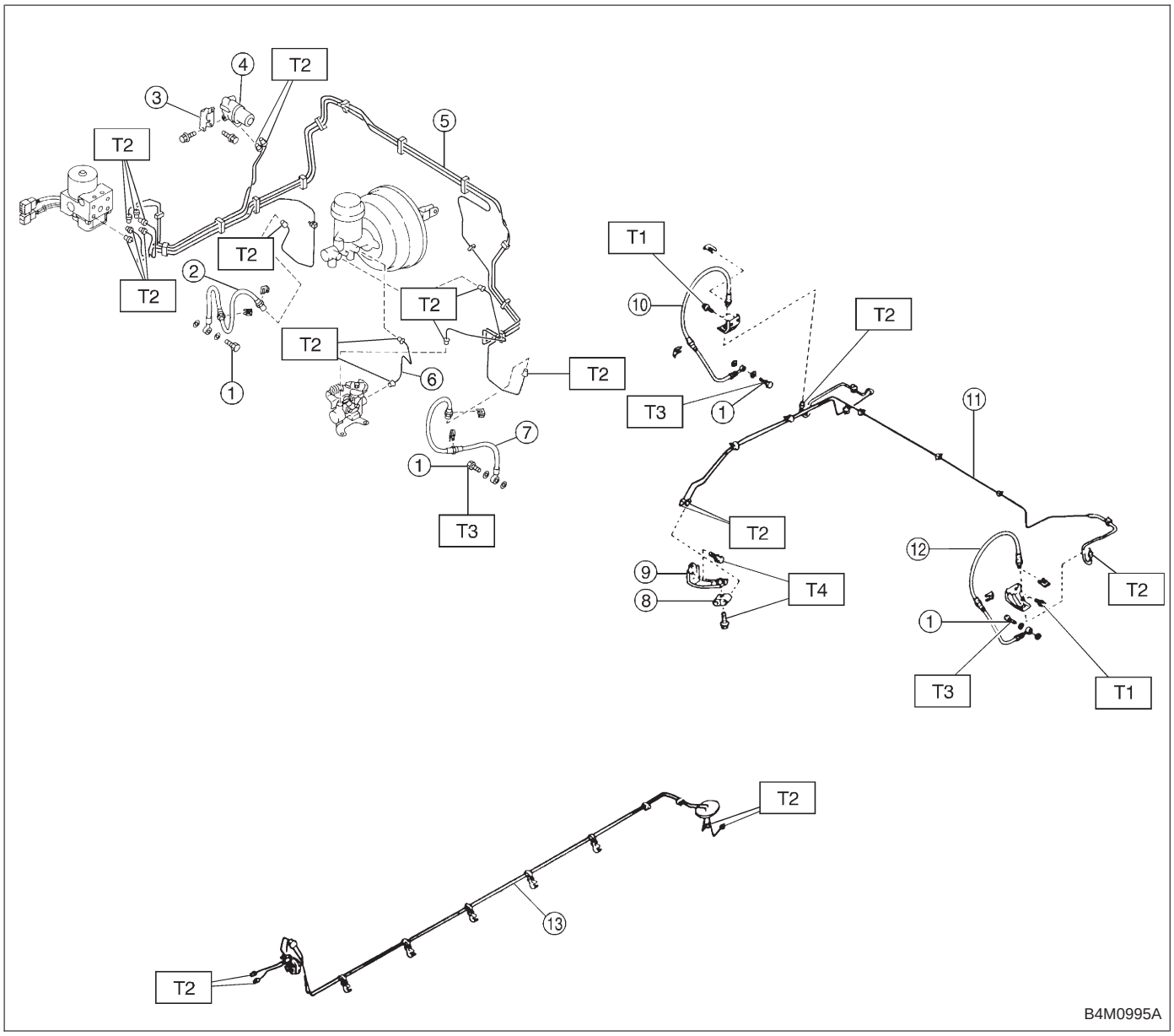
## 3. MODELS WITH TCS




① Union bolt
② Front brake hose RH
③ Valve bracket
④ Proportioning valve
⑤ Front brake pipe ASSY
⑥ Front brake hose LH
⑦ Two-way connector
⑧ Connector bracket
⑨ Rear brake hose RH
⑩ Rear brake pipe ASSY
⑪ Rear brake hose LH
⑫ Center brake pipe ASSY

***Tightening torque: N·m (kg-m, ft-lb)***
***T1: 13±3 (1.3±0.3, 9.4±2.2)***
***T2: $15^{+3}_{-2}$ ($1.5^{+0.3}_{-0.2}$, $10.8^{+2.2}_{-1.4}$)***
***T3: 18±3 (1.8±0.3, 13.0±2.2)***
***T4: 18±5 (1.8±0.5, 13.0±3.6)***
***T5: 19±4 (1.9±0.4, 13.7±2.9)***

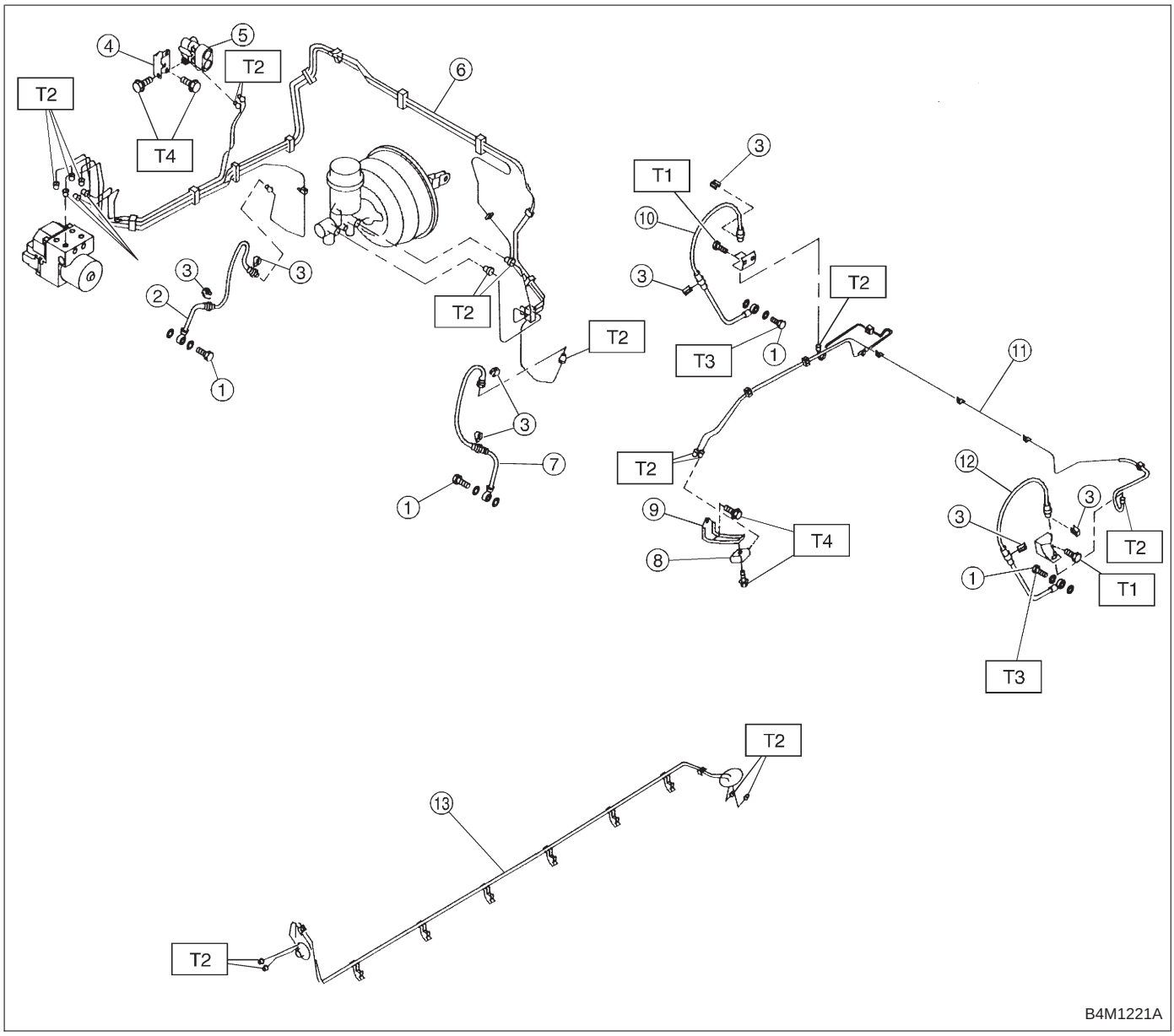
## 4. MODELS WITH ABS (ABS 5.3 TYPE)




① Union bolt
② Front brake hose RH
③ Valve bracket
④ Proportioning valve
⑤ Front brake pipe ASSY
⑥ Front adapter pipe
⑦ Front brake hose LH
⑧ Two-way connector
⑨ Connector bolt
⑩ Rear brake hose RH
⑪ Rear brake pipe ASSY
⑫ Rear brake hose LH
⑬ Center brake pipe ASSY

***Tightening torque: N·m (kg-m, ft-lb)***
***T1: 13±3 (1.3±0.3, 9.4±2.2)***
***T2: $15^{+3}_{-2}$ ($1.5^{+0.3}_{-0.2}$, $10.8^{+2.2}_{-1.4}$)***
***T3: 18±3 (1.8±0.3, 13.0±2.2)***
***T4: 18±5 (1.8±0.5, 13.0±3.6)***

## 5. MODELS WITH ABS (ABS 5.3i TYPE)




① Union bolt
② Front brake hose RH
③ Clip
④ Valve bracket
⑤ Proportioning valve
⑥ Front brake pipe ASSY
⑦ Front brake hose LH
⑧ Two-way connector
⑨ Connector bracket
⑩ Rear brake hose RH
⑪ Rear brake pipe ASSY
⑫ Rear brake hose LH
⑬ Center brake pipe ASSY

***Tightening torque: N·m (kg-m, ft-lb)***
***T1: 13±3 (1.3±0.3, 9.4±2.2)***
***T2: $15^{+3}_{-2}$ ($1.5^{+0.3}_{-0.2}$, $10.8^{+2.2}_{-1.4}$)***
***T3: 18±3 (1.8±0.3, 13.0±2.2)***
***T4: 18±5 (1.8±0.5, 13.0±3.6)***