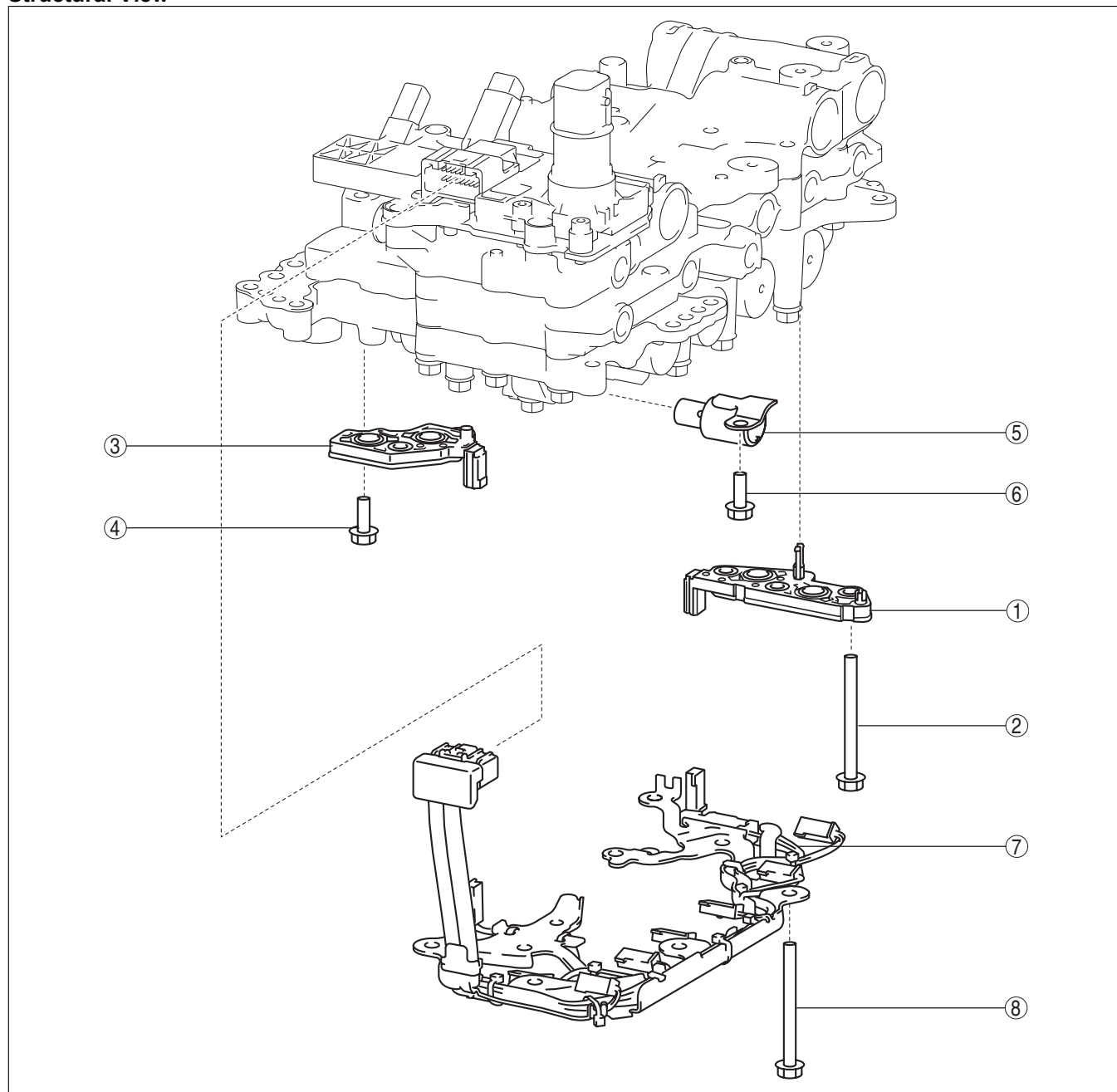


## CONTROL VALVE BODY ASSEMBLY

id051700664300

### Structural View



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1	Oil pressure switch A
2	3 bolts (M6×1.0 bolt, length approx. 60 mm {2.4 in})
3	Oil pressure switch B
4	2 bolts (M6×1.0 bolt, length approx. 60 mm {2.4 in}) 1 bolt (M6×1.0 bolt, length approx. 16 mm {0.63 in})
5	ON/OFF solenoid

6	Bolt (M6×1.0 bolt, length approx. 16 mm {0.63 in})
7	Coupler component
8	6 bolts (M6×1.0 bolt, length approx. 80 mm {3.1 in}) 1 bolt (M6×1.0 bolt, length approx. 60 mm {2.4 in}) 1 bolt (M6×1.0 bolt, length approx. 16 mm {0.63 in})

### Assembly Procedure

#### Caution

- Do not drop or apply an impact to the control valve body. Replace the control valve body with a new one if it was dropped or received an impact.

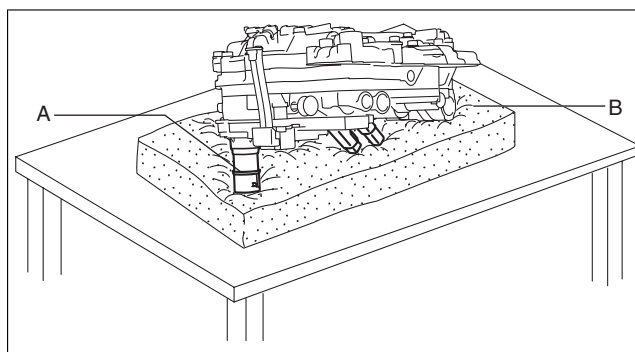
- Place the control valve body with the TCM side pointing downward on an impact-absorbing material as shown in the figure.

### Caution

- Placing the TCM side pointed downward on a workbench directly could damage the TCM. If the TCM side is placed pointed downward, place the control valve body on an impact-absorbing material so that the TCM does not contact the workbench directly.
- If the control valve body is placed on the workbench with the TCM side pointing upward, the pins securing the solenoids shown in the figure could fall off and become lost.  
If the solenoid installation position shown in the figure is changed, it will cause a malfunction.  
To prevent the pin securing the solenoid from falling, always place the control valve body on an impact-absorbing material with the TCM side pointing downward until the coupler component is assembled.

A : TCM

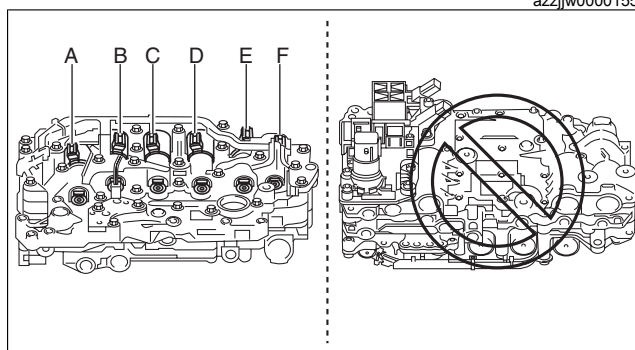
B : Impact-absorbing material



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- A : Shift solenoid No.1  
B : Shift solenoid No.4  
C : TCC control solenoid  
D : Shift solenoid No.3  
E : Shift solenoid No.2  
F : Pressure control solenoid

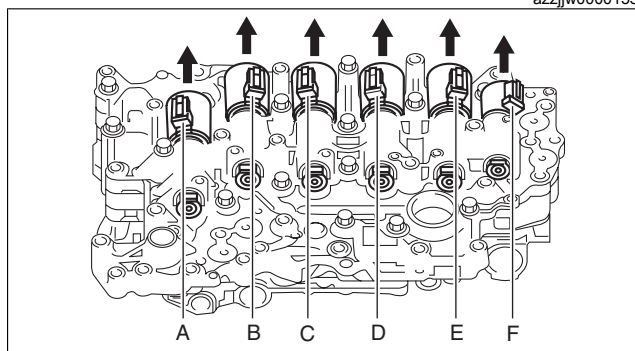
- Verify that the pins securing the pressure control solenoid, TCC control valve, and each shift solenoid are not removed using the following procedure:



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- (1) Pull each solenoid in the direction of the arrow shown in the figure and verify that it is secured.

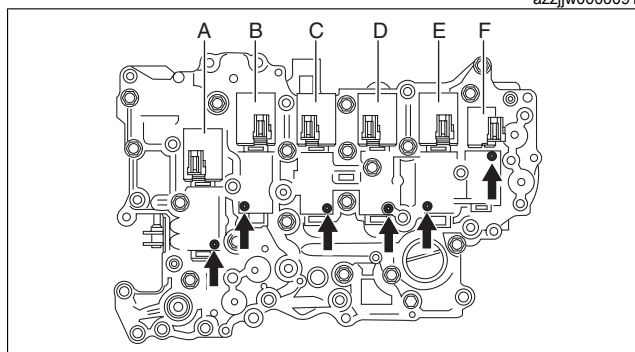
- A : Shift solenoid No.1  
B : Shift solenoid No.4  
C : TCC control solenoid  
D : Shift solenoid No.3  
E : Shift solenoid No.2  
F : Pressure control solenoid



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- If there is a malfunction, assemble the pin securing the solenoid to the malfunctioning part.

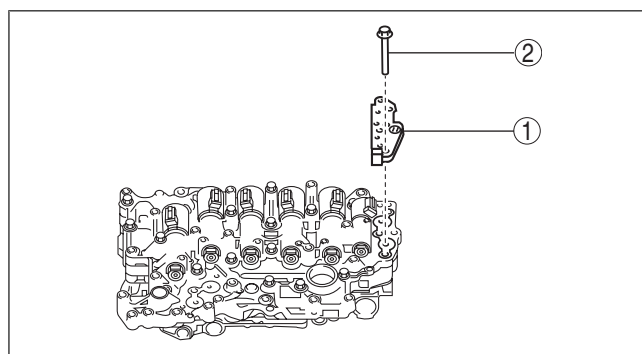
- A : Shift solenoid No.1  
B : Shift solenoid No.4  
C : TCC control solenoid  
D : Shift solenoid No.3  
E : Shift solenoid No.2  
F : Pressure control solenoid



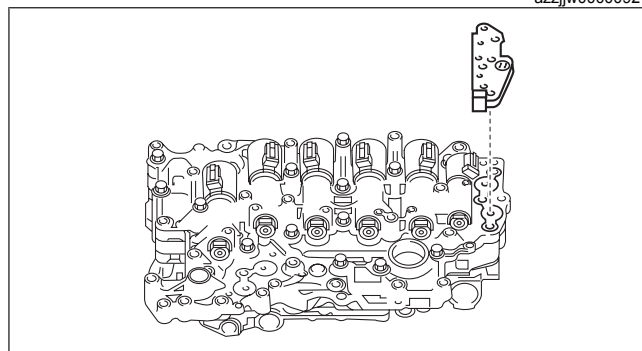
azzjiw00000920

3. Assemble the oil pressure switch A using the following procedure:

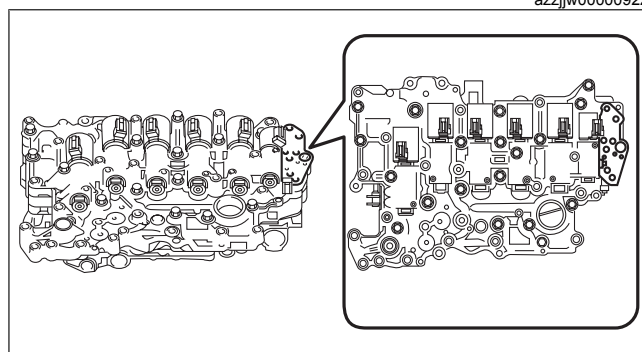
- (1) Assemble the oil pressure switch A.



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- (2) Assemble and tighten the bolts shown in the figure.

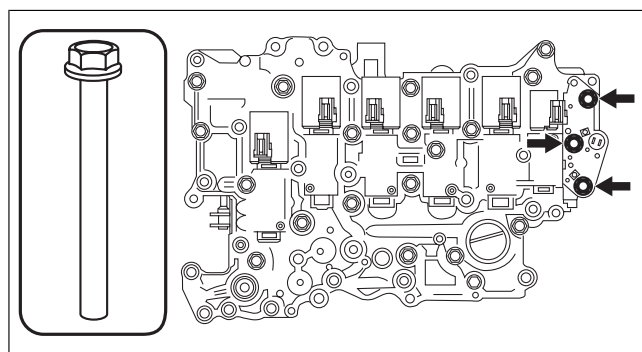
**Note**

- Bolt size: M6×1.0 bolt, length approx. 60 mm {2.4 in}

**Tightening torque**

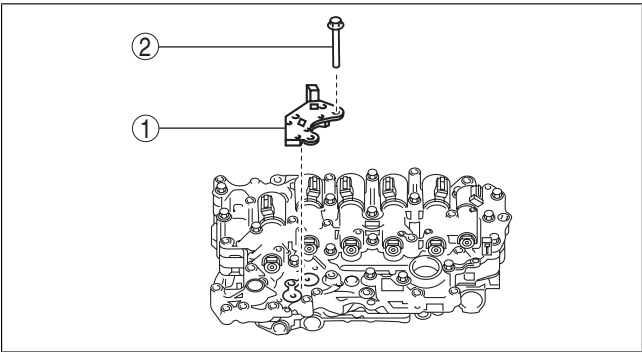
**9—10 N·m {92—101 kgf·cm, 80—88 in·lbf}**

1	Oil pressure switch A
2	3 bolts (M6×1.0 bolt, length approx. 60 mm {2.4 in})



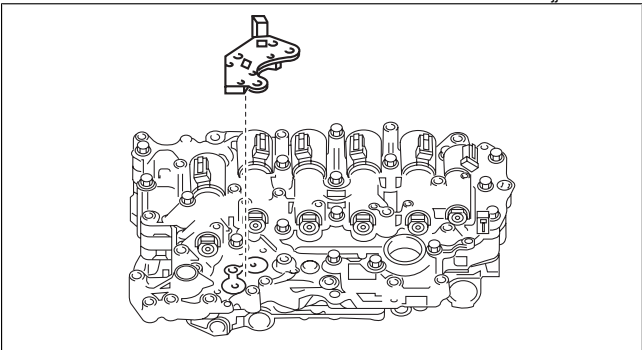
azzijw00000924

4. Assemble the oil pressure switch B using the following procedure:

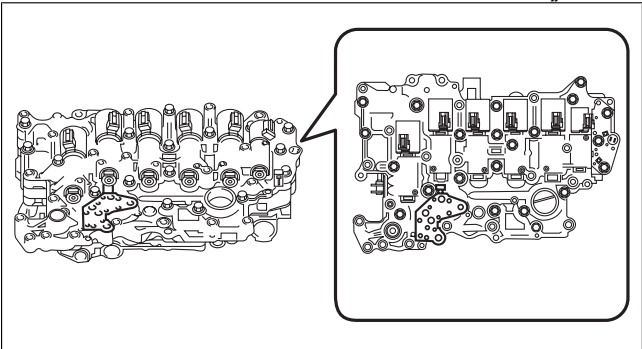


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(1) Assemble the oil pressure switch B.



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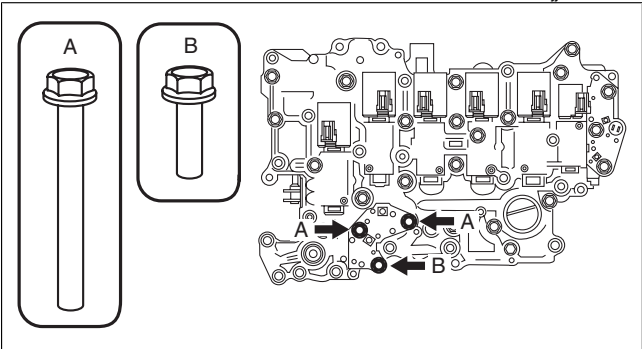


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(2) Assemble and tighten the bolts shown in the figure.  
A : Bolt (M6×1.0 bolt, length approx. 60 mm {2.4 in})  
B : Bolt (M6×1.0 bolt, length approx. 16 mm {0.63 in})

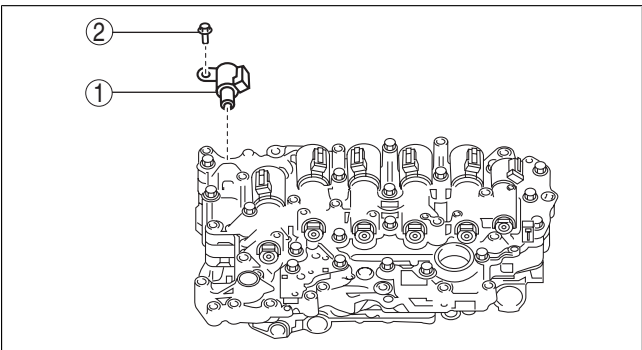
**Tightening torque**  
**9—10 N·m {92—101 kgf·cm, 80—88 in·lbf}**

1	Oil pressure switch B
2	2 bolts (M6×1.0 bolt, length approx. 60 mm {2.4 in}) 1 bolt (M6×1.0 bolt, length approx. 16 mm {0.63 in})



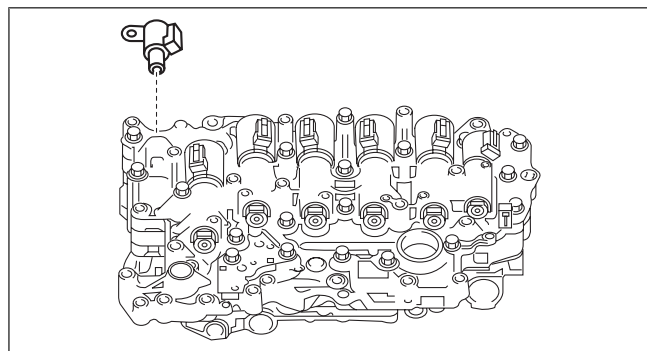
azzjiw00000928

5. Assemble the ON/OFF solenoid using the following procedure:

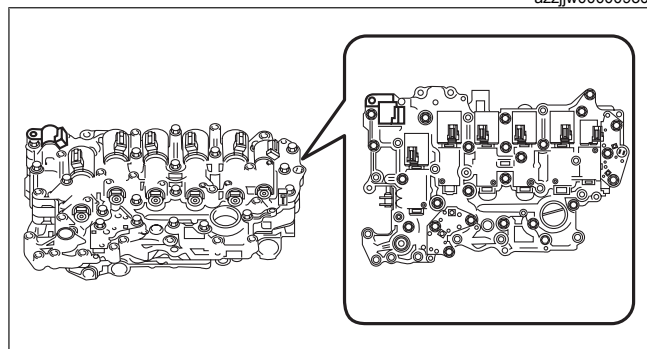


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(1) Assemble the ON/OFF solenoid.



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azzijw00000931

(2) Assemble and tighten the bolt shown in the figure.

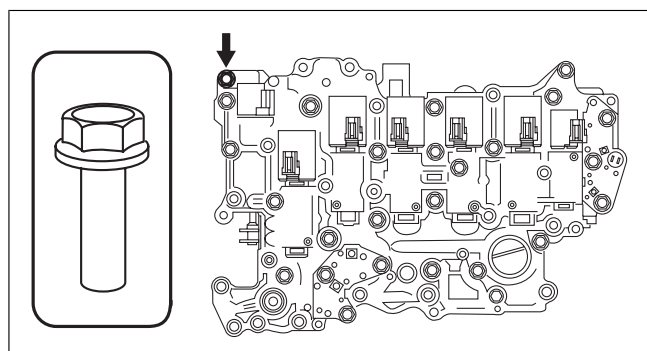
**Note**

- Bolt size: M6×1.0 bolt, length approx. 16 mm {0.63 in}

**Tightening torque**

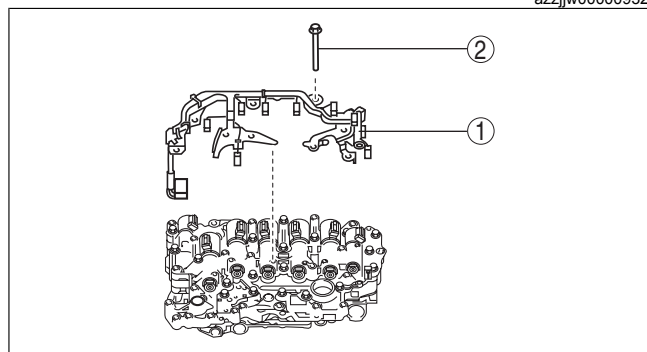
**9—10 N·m {92—101 kgf·cm, 80—88 in·lbf}**

1	ON/OFF solenoid
2	Bolt (M6×1.0 bolt, length approx. 16 mm {0.63 in})



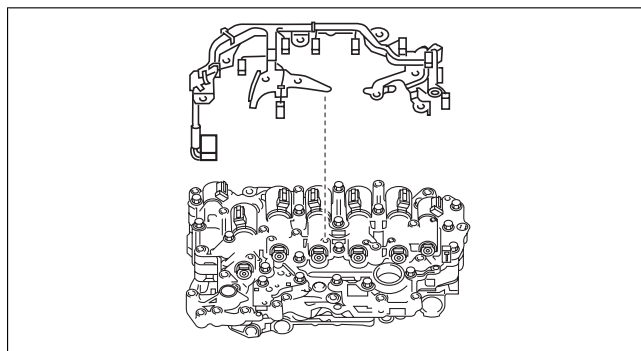
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6. Assemble the coupler component using the following procedure:

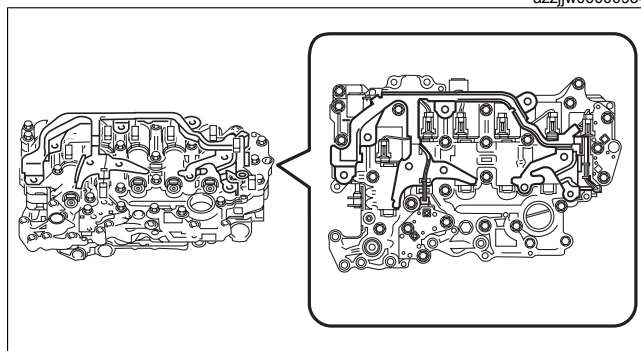


azzijw00000933

(1) Assemble the coupler component.



azzjiw00000934

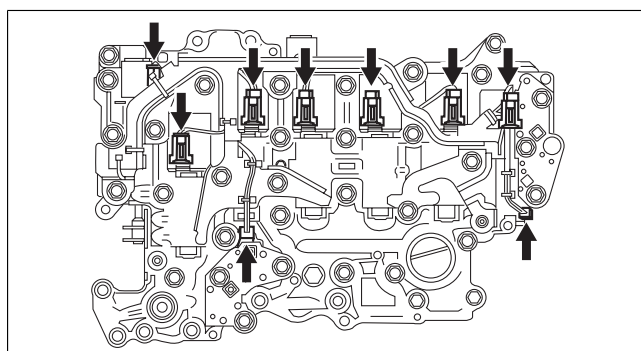


azzjiw00000935

(2) Connect the connectors shown in the figure.

**Caution**

- When connecting a connector, insert it straight until it is securely locked.



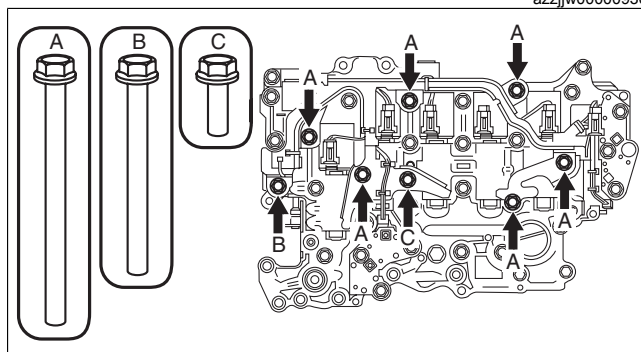
azzjiw00000936

(3) Assemble and tighten the bolts shown in the figure.

- A : Bolt (M6×1.0 bolt, length approx. 80 mm {3.1 in})  
B : Bolt (M6×1.0 bolt, length approx. 60 mm {2.4 in})  
C : Bolt (M6×1.0 bolt, length approx. 16 mm {0.63 in})

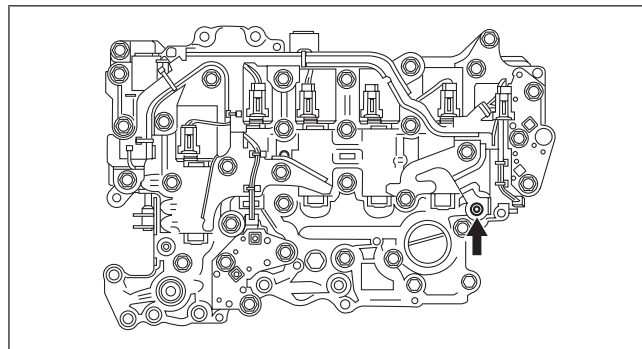
**Caution**

- Tighten the bolts while pressing the coupler component so that the bolt hole shown in the figure and coupler component hole do not shift.



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**Tightening torque**  
**9—10 N·m {92—101 kgf·cm, 80—88 in·lb}**



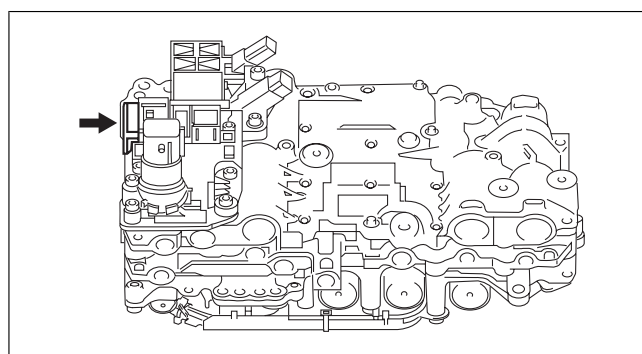
azzijw00000938

(4) Connect the connector shown in the figure.

**Caution**

- When connecting a connector, insert it straight until it is securely locked.

1	Coupler component
2	6 bolts (M6×1.0 bolt, length approx. 80 mm {3.1 in}) 1 bolt (M6×1.0 bolt, length approx. 60 mm {2.4 in}) 1 bolt (M6×1.0 bolt, length approx. 16 mm {0.63 in})



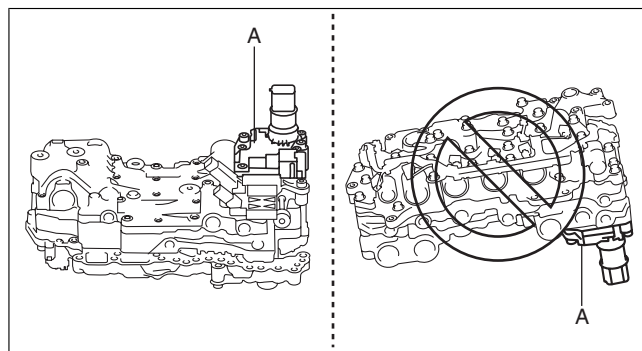
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7. Place the assembled control valve body with the TCM side pointing upward on a workbench.

**Caution**

- Place the assembled control valve body with the TCM side pointing upward on a workbench. If it is placed with the TCM side pointing downward on the workbench, the TCM could be damaged.

A : TCM



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