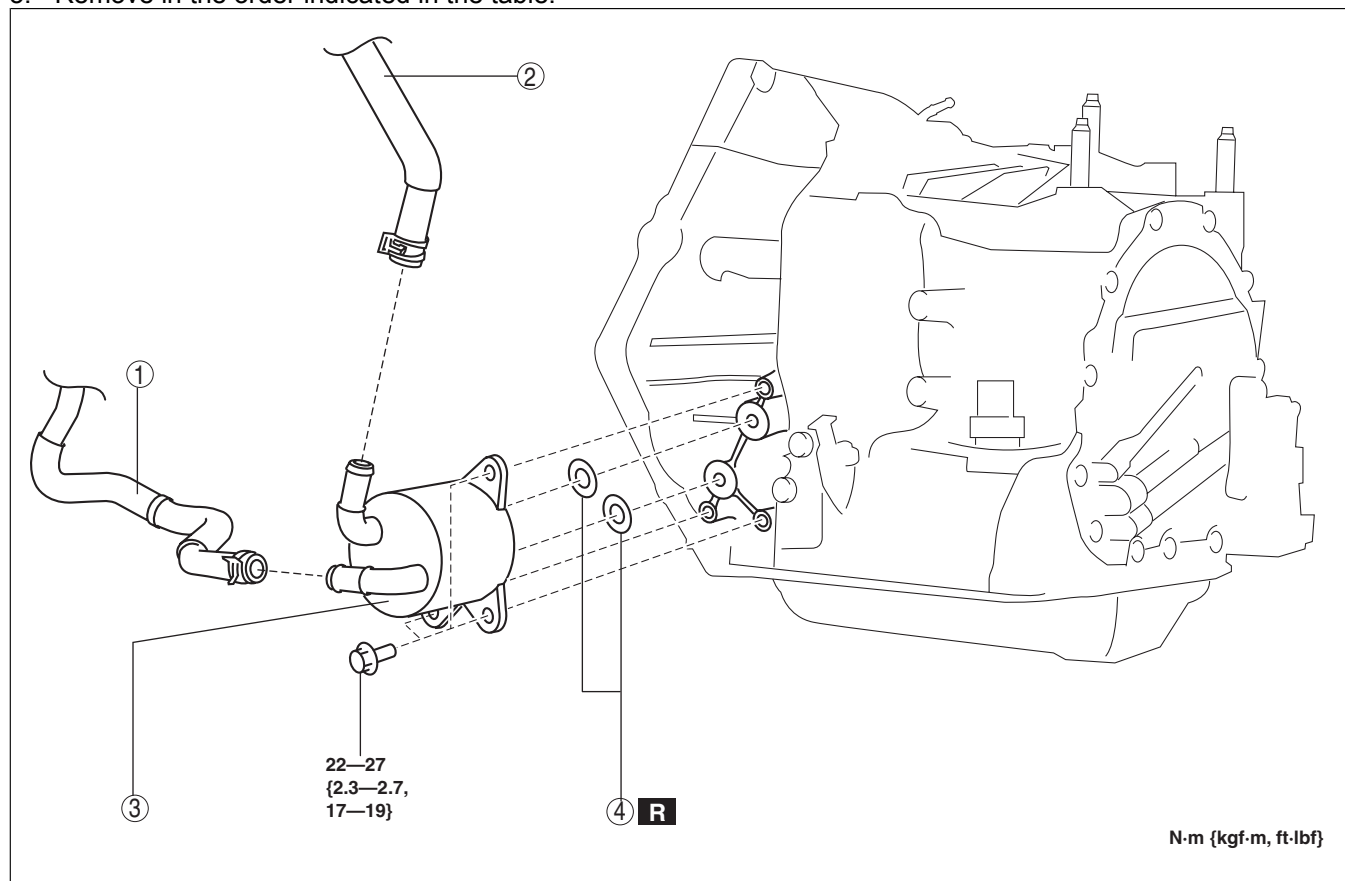


OIL COOLER REMOVAL/INSTALLATION [GW6A-EL, GW6AX-EL]

id0517i2117500

Without oil cooler No.2

1. Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)
2. Remove the front under cover NO.2. (See FRONT UNDER COVER No.2 REMOVAL/INSTALLATION.)
3. Drain the ATF. (See AUTOMATIC TRANSAXLE FLUID (ATF) REPLACEMENT [GW6A-EL, GW6AX-EL].)
4. Drain the engine coolant. (See ENGINE COOLANT REPLACEMENT [SKYACTIV-D 2.2].)
5. Remove in the order indicated in the table.



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1	Water hose (connected to the engine oil cooler) (See Water Hose Installation Note.)
2	Water hose (connected to the water pipe) (See Water Hose Installation Note.)
3	Water-cooled oil cooler
4	O-rings

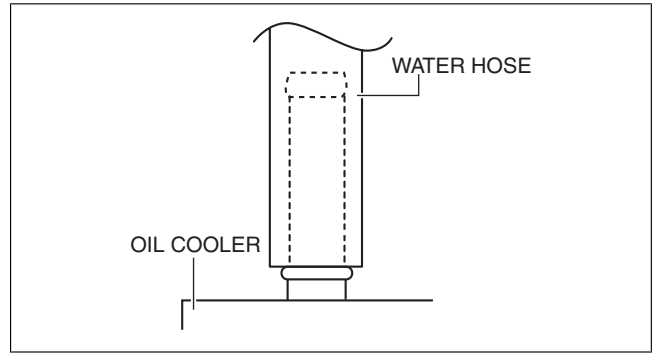
6. Install in the reverse order of removal.
7. Add the engine coolant. (See ENGINE COOLANT REPLACEMENT [SKYACTIV-D 2.2].)
8. Add the ATF. (See AUTOMATIC TRANSAXLE FLUID (ATF) REPLACEMENT [GW6A-EL, GW6AX-EL].)
9. Perform the “Mechanical System Test”. (See MECHANICAL SYSTEM TEST [GW6A-EL, GW6AX-EL].)

Water Hose Installation Note

1. Install the water hose to the oil cooler as shown in the figure with the hose clamp expanded.

Note

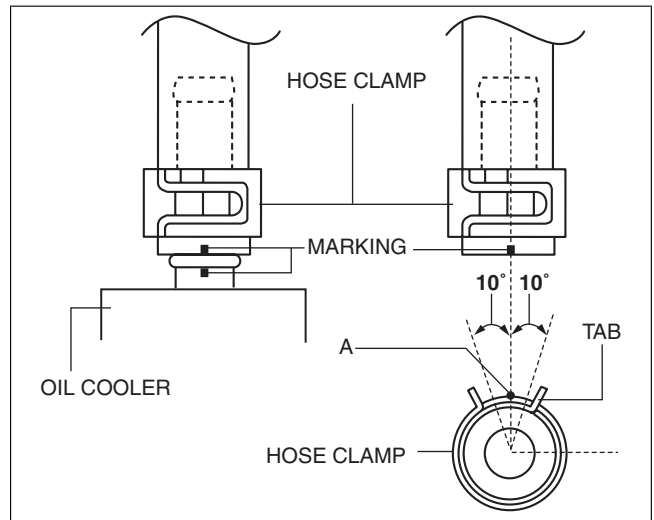
- A new water hose and hose clamp are attached.



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2. Install the hose clamp so that center A of the hose clamp tab is within the range shown in the figure.
 - Verify that the installation angle of the hose clamp is within the range shown in the figure.

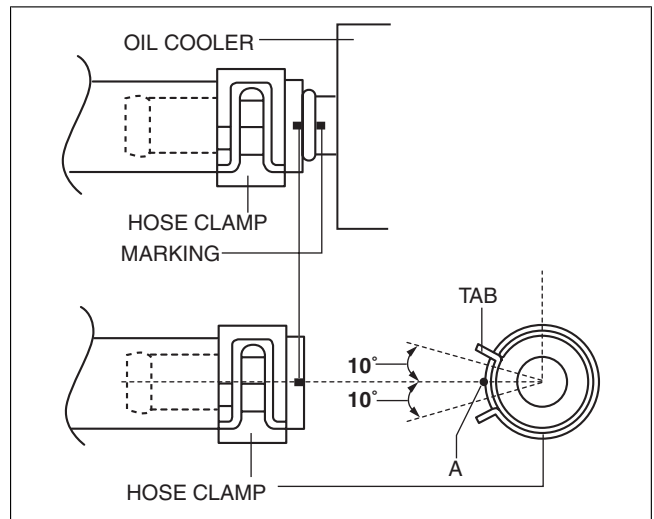
Water hose (connected to the water pipe)



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Water hose (connected to the engine oil cooler)

3. Verify that the hose clamp does not interfere with any other components.



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With oil cooler No.2

1. Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)
2. Remove the front under cover NO.2. (See FRONT UNDER COVER No.2 REMOVAL/INSTALLATION.)
3. Drain the ATF. (See AUTOMATIC TRANSAXLE FLUID (ATF) REPLACEMENT [GW6A-EL, GW6AX-EL].)
4. Drain the engine coolant. (See ENGINE COOLANT REPLACEMENT [SKYACTIV-D 2.2].)
5. Remove in the order indicated in the table.

2	Water hose (connected to the water pipe) (See Water Hose Installation Note.)
3	Water-cooled oil cooler
4	O-rings
5	Oil hose No.1 (See Oil Hose No.1 (radiator outside) Installation Note.) (See Oil Hose No.1 (oil pipe No.2 side) Installation Note.)
6	Oil hose No.2 (See Oil Hose No.2 (radiator inside) Installation Note.) (See Oil Hose No.2 (oil pipe No.1 side) Installation Note.)
7	Oil hose No.3 (See Oil Hose No.3 (transaxle side) Installation Note.) (See Oil Hose No.3 (oil pipe No.1 side) Installation Note.)
8	Oil hose No.4 (See Oil Hose No.4 (transaxle side) Installation Note.) (See Oil Hose No.4 (oil pipe No.2 side) Installation Note.)
9	Connector bolt
10	Gasket
11	Oil pipe No.1
12	Oil pipe No.2

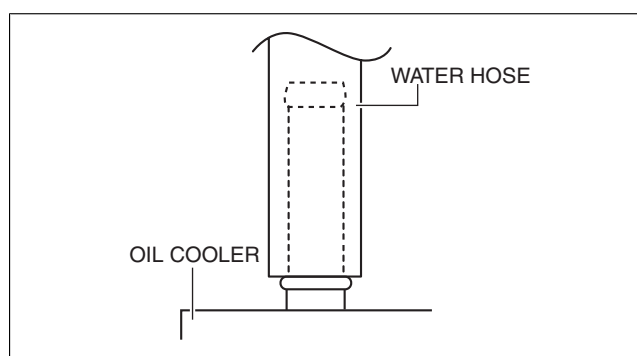
6. Install in the reverse order of removal.
7. Add the engine coolant. (See ENGINE COOLANT REPLACEMENT [SKYACTIV-D 2.2].)
8. Add the ATF. (See AUTOMATIC TRANSAXLE FLUID (ATF) REPLACEMENT [GW6A-EL, GW6AX-EL].)
9. Perform the "Mechanical System Test". (See MECHANICAL SYSTEM TEST [GW6A-EL, GW6AX-EL].)

Water Hose Installation Note

1. Install the water hose to the oil cooler as shown in the figure with the hose clamp expanded.

Note

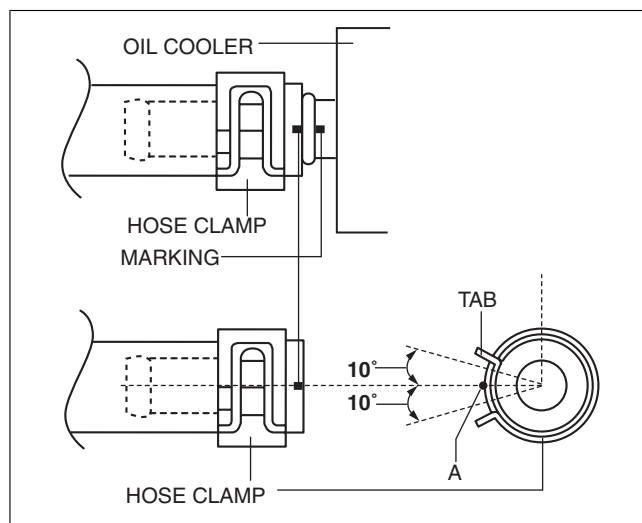
- A new water hose and hose clamp are attached.



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2. Install the hose clamp so that center A of the hose clamp tab is within the range shown in the figure.
 - Verify that the installation angle of the hose clamp is within the range shown in the figure.

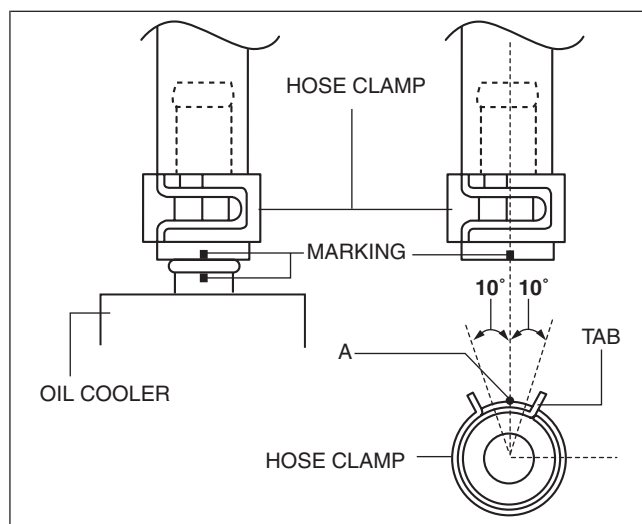
Water hose (connected to the water pipe)



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Water hose (connected to the engine oil cooler)

3. Verify that the hose clamp does not interfere with any other components.



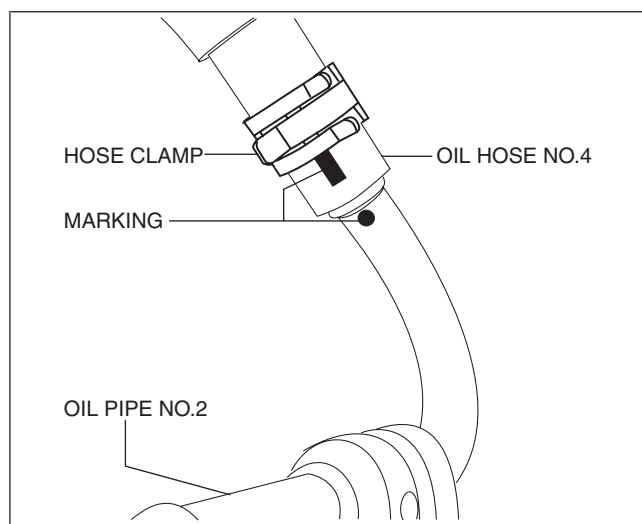
ac5wzw00003719

Oil Hose No.4 (oil pipe No.2 side) Installation Note

1. Install the oil hose No.4 to the oil pipe No.2 as shown in the figure with the hose clamp expanded.

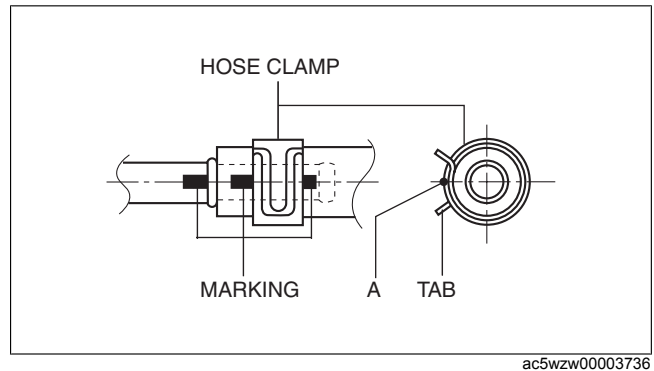
Note

- A new oil hose No.4 and hose clamp are attached.



ac5wzw00003735

2. Install the hose clamp so that center A of the hose clamp tab is aligned with the marking as shown in the figure.
 - Verify that the installation angle of the hose clamp is within the range shown in the figure.
3. Verify that the hose clamp does not interfere with any other components.

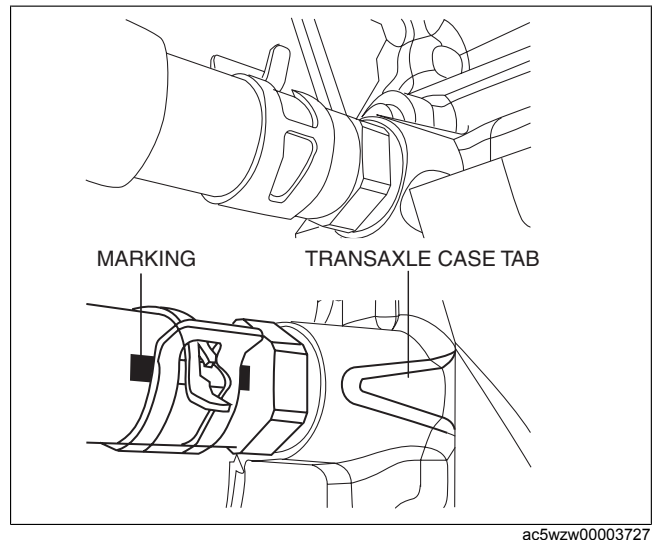


Oil Hose No.4 (transaxle side) Installation Note

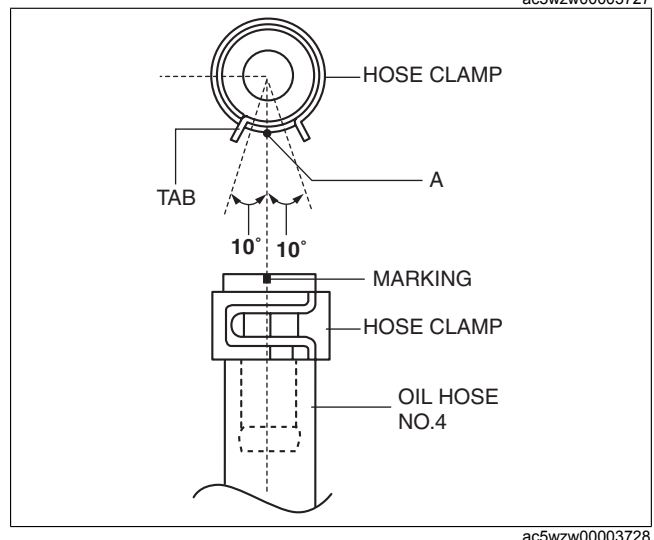
1. Install the oil hose No.4 to the connector bolt as shown in the figure with the hose clamp expanded.

Note

- A new oil hose No.4 and hose clamp are attached.



2. Install the hose clamp so that center A of the hose clamp tab is within the range shown in the figure.
 - Verify that the installation angle of the hose clamp is within the range shown in the figure.
3. Verify that the hose clamp does not interfere with any other components.

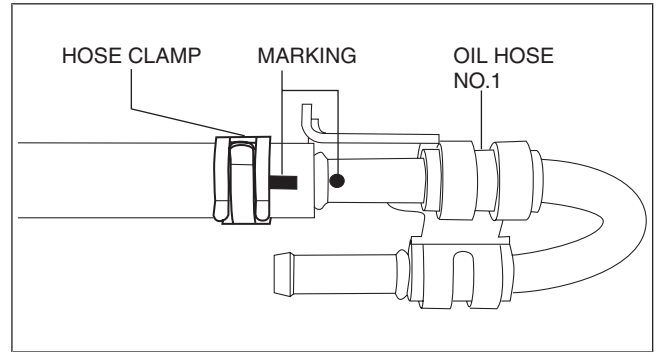


Oil Hose No.3 (oil pipe No.1 side) Installation Note

1. Install the oil hose No.3 to the oil pipe No.1 as shown in the figure with the hose clamp expanded.

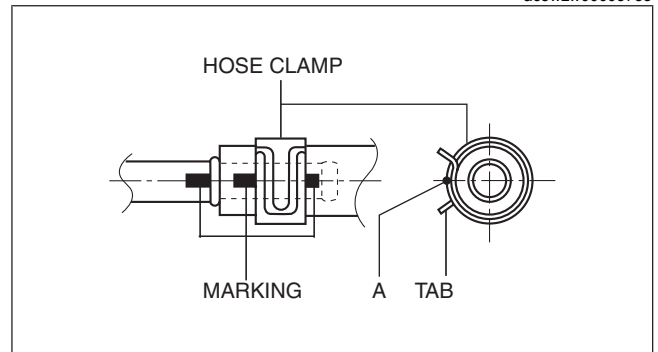
Note

- A new oil hose No.3 and hose clamp are attached.



ac5wzw00003733

2. Install the hose clamp so that center A of the hose clamp tab is aligned with the marking as shown in the figure.
 - Verify that the installation angle of the hose clamp is within the range shown in the figure.
3. Verify that the hose clamp does not interfere with any other components.



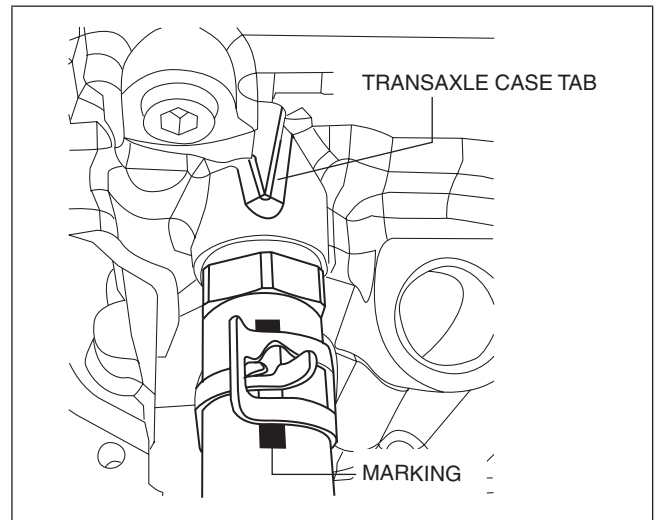
ac5wzw00003734

Oil Hose No.3 (transaxle side) Installation Note

1. Install the oil hose No.3 to the connector bolt as shown in the figure with the hose clamp expanded.

Note

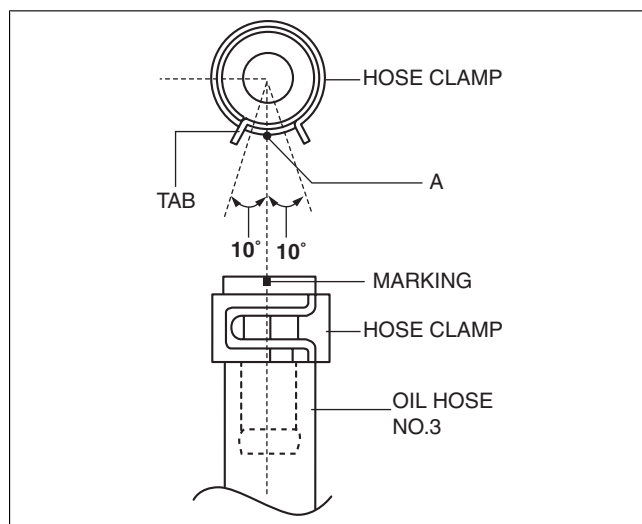
- A new oil hose No.3 and hose clamp are attached.



ac5wzw00003725

2. Install the hose clamp so that center A of the hose clamp tab is within the range shown in the figure.

- Verify that the installation angle of the hose clamp is within the range shown in the figure.
3. Verify that the hose clamp does not interfere with any other components.



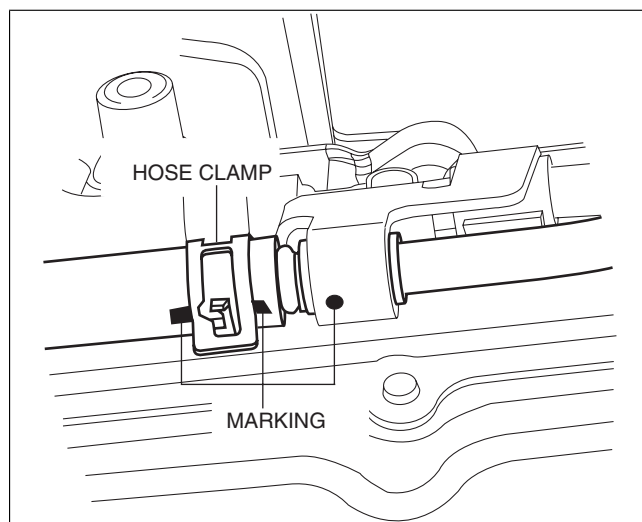
ac5wzw00003726

Oil Hose No.2 (oil pipe No.1 side) Installation Note

1. Install the oil hose No.2 to the oil pipe No.1 as shown in the figure with the hose clamp expanded.

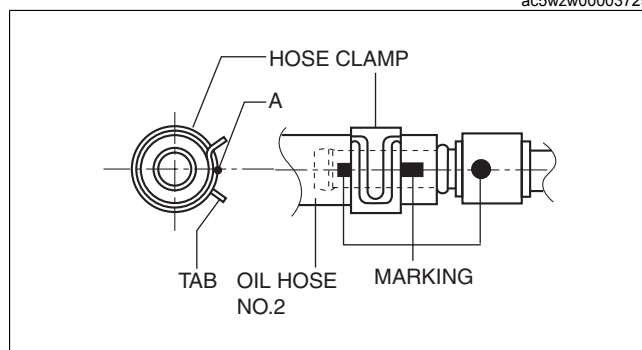
Note

- A new oil hose No.2 and hose clamp are attached.



ac5wzw00003729

2. Install the hose clamp so that center A of the hose clamp tab is aligned with the marking as shown in the figure.
 - Verify that the installation angle of the hose clamp is within the range shown in the figure.
3. Verify that the hose clamp does not interfere with any other components.



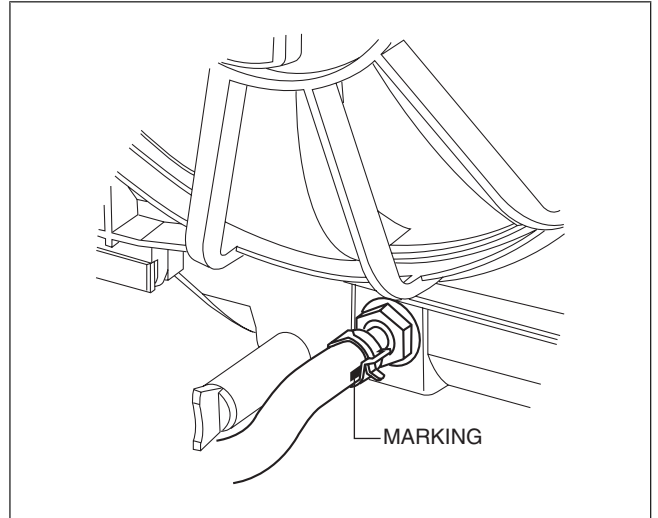
ac5wzw00003730

Oil Hose No.2 (radiator inside) Installation Note

1. Install the oil hose No.2 to the radiator as shown in the figure with the hose clamp expanded.

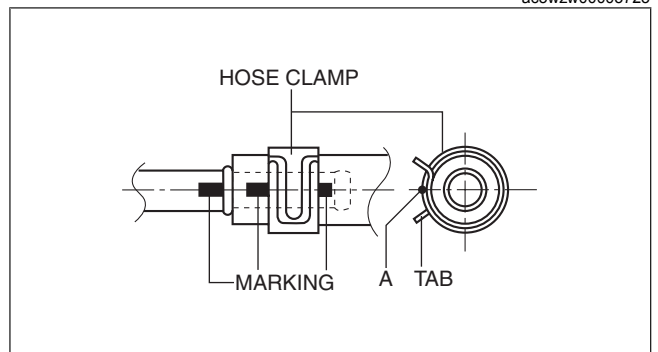
Note

- A new oil hose No.2 and hose clamp are attached.



ac5wzw00003723

2. Install the hose clamp so that center A of the hose clamp tab is aligned with the marking as shown in the figure.
 - Verify that the installation angle of the hose clamp is within the range shown in the figure.
3. Verify that the hose clamp does not interfere with any other components.



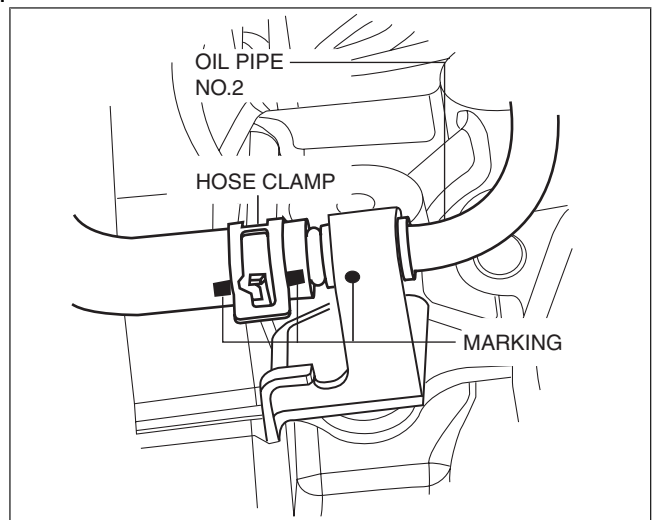
ac5wzw00003724

Oil Hose No.1 (oil pipe No.2 side) Installation Note

1. Install the oil hose No.1 to the oil pipe No.2 as shown in the figure with the hose clamp expanded.

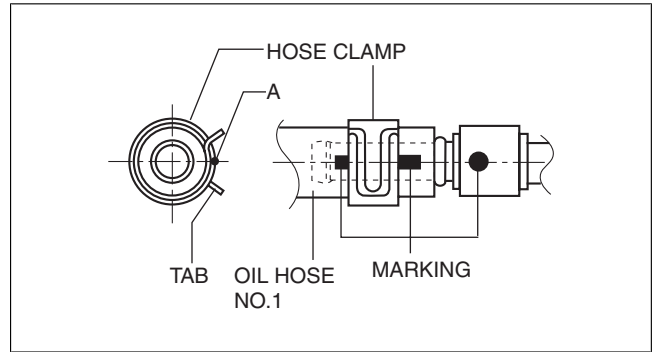
Note

- A new oil hose No.1 and hose clamp are attached.



ac5wzw00003731

2. Install the hose clamp so that center A of the hose clamp tab is aligned with the marking as shown in the figure.
 - Verify that the installation angle of the hose clamp is within the range shown in the figure.
3. Verify that the hose clamp does not interfere with any other components.



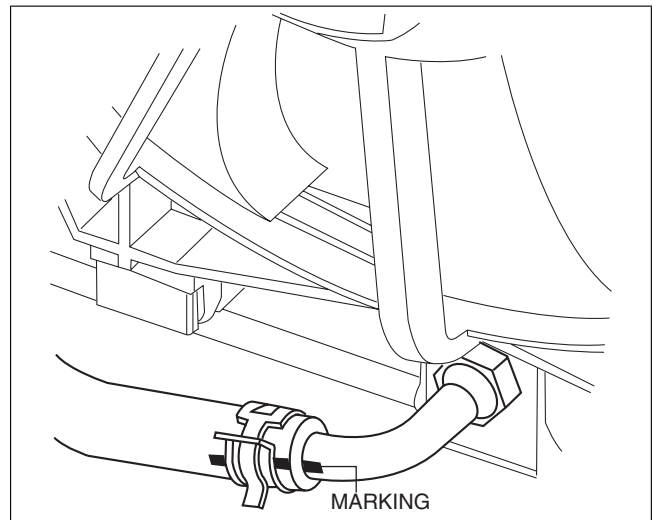
ac5wzw00003732

Oil Hose No.1 (radiator outside) Installation Note

1. Install the oil hose No.1 to the radiator as shown in the figure with the hose clamp expanded.

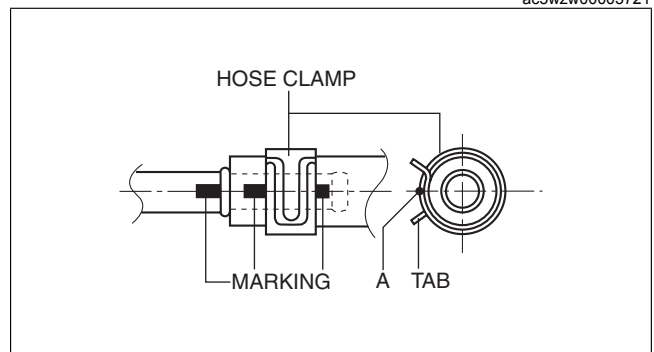
Note

- A new oil hose No.1 and hose clamp are attached.



ac5wzw00003721

2. Install the hose clamp so that center A of the hose clamp tab is aligned with the marking as shown in the figure.
 - Verify that the installation angle of the hose clamp is within the range shown in the figure.
3. Verify that the hose clamp does not interfere with any other components.



ac5wzw00003722