

2012 - Mazda6 - Transmission/ Transaxle

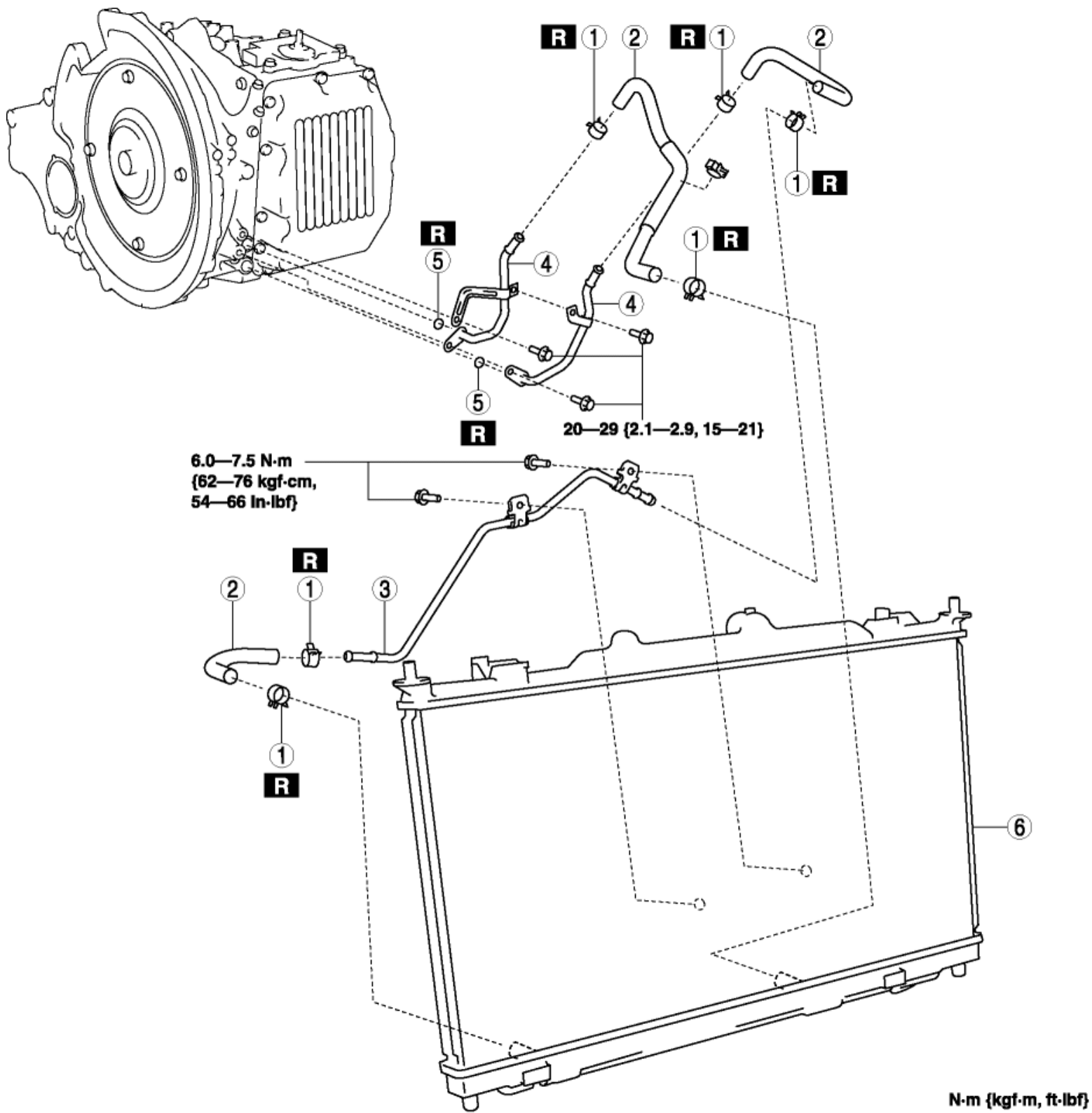
OIL COOLER REMOVAL/ INSTALLATION [AY6A-EL]

WARNING:

- A hot transaxle and ATF can cause severe burns. Turn off the engine and wait until they are cool.
- Using compressed air can cause dirt and other particles to fly out, causing injury to the eyes. Wear protective eyeglasses whenever using compressed air.

NOTE:

- After removing the oil cooler, check for dirt or foreign objects mixed into the ATF and flush the oil cooler if necessary.
1. Disconnect the negative battery cable.
 2. Drain the ATF. (See [AUTOMATIC TRANSAXLE FLUID \(ATF\) REPLACEMENT \[AY6A-EL\]](#).)
 3. Drain the engine coolant. (See [ENGINE COOLANT REPLACEMENT \[MZI 3.7 V6\]](#).)
 4. Remove the aerodynamic under cover No.1. (See [AERODYNAMIC UNDER COVER NO.1 REMOVAL/ INSTALLATION.](#))
 5. Remove in the order indicated in the table.
 6. Install in the reverse order of removal.
 7. Add engine coolant. (See [ENGINE COOLANT REPLACEMENT \[MZI 3.7 V6\]](#).)
 8. Add ATF. (See [AUTOMATIC TRANSAXLE FLUID \(ATF\) LEVEL ADJUSTMENT \[AY6A-EL\]](#).)
 9. Adjust the ATF level. (See [AUTOMATIC TRANSAXLE FLUID \(ATF\) LEVEL ADJUSTMENT \[AY6A-EL\]](#).)
 10. Perform the "Mechanical System Test". (See [MECHANICAL SYSTEM TEST \[AY6A-EL\]](#).)



1 Hose clamp

2 Oil hose

(See [Oil Hose Installation Note.](#))

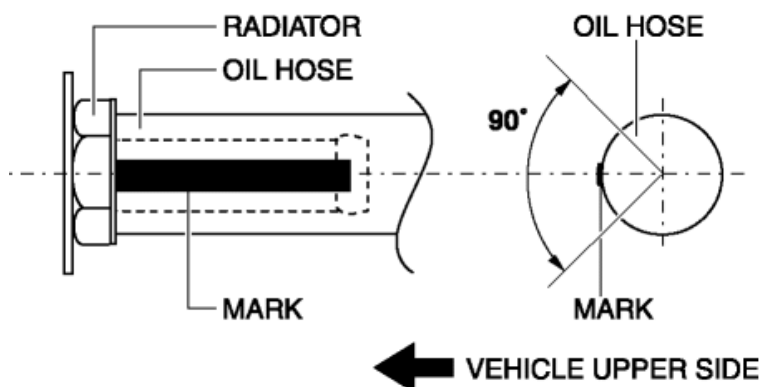
5 Oil pipe component (radiator side)

4	Oil pipe component (transaxle side)
5	O-ring
6	Radiator (in tank oil cooler)
(See RADIATOR REMOVAL/ INSTALLATION [MZI 3.7 V6] .)	

Oil Hose Installation Note

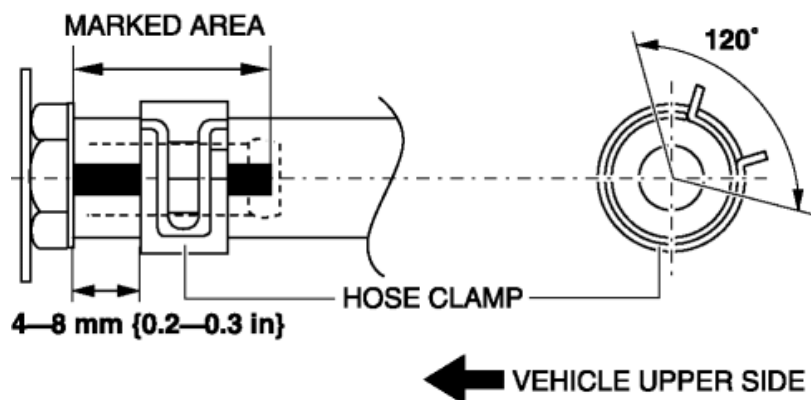
Radiator side

1. Install the oil hose to the position shown in the figure.



- Verify that the installation angle of the oil hose is within the range shown in the figure.

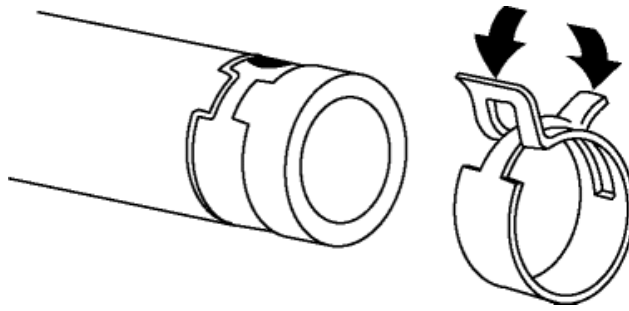
2. Install the hose clamp to the position shown in the figure.



- Verify that the hose clamp is within the marked area of the oil hose.
- Verify that the installation angle of the hose clamp is within the range shown in the figure.

NOTE:

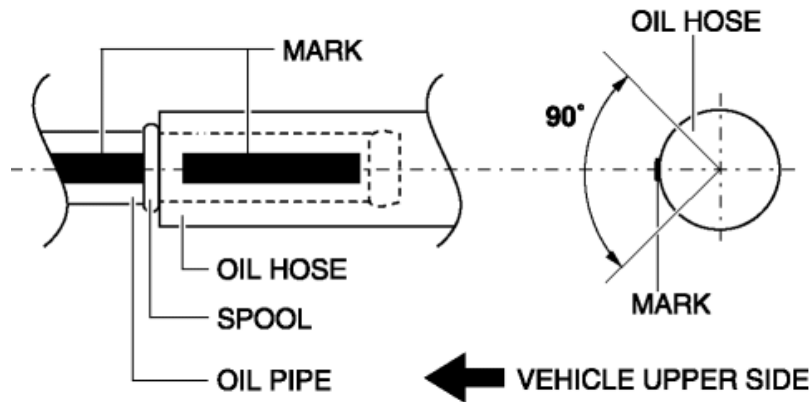
- If the oil hose is to be re-used, install the hose clamp to the impression in the hose left by the previous installation. After installation, apply force to the hose clamp in the direction of the arrows to engage the hose clamp securely.



3. Verify that the hose clamp does not interfere with surrounding the accessories.

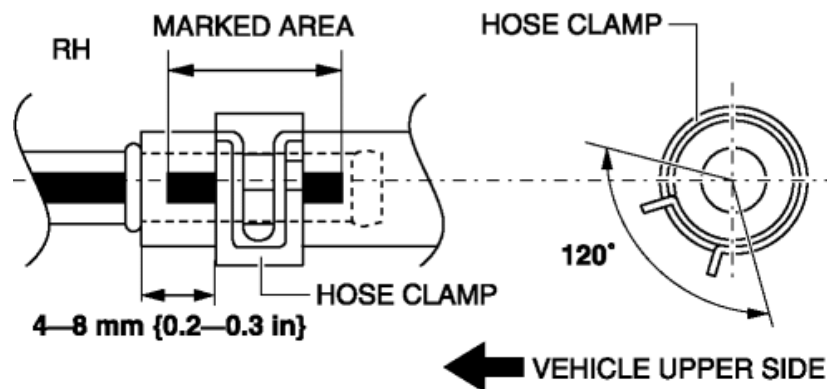
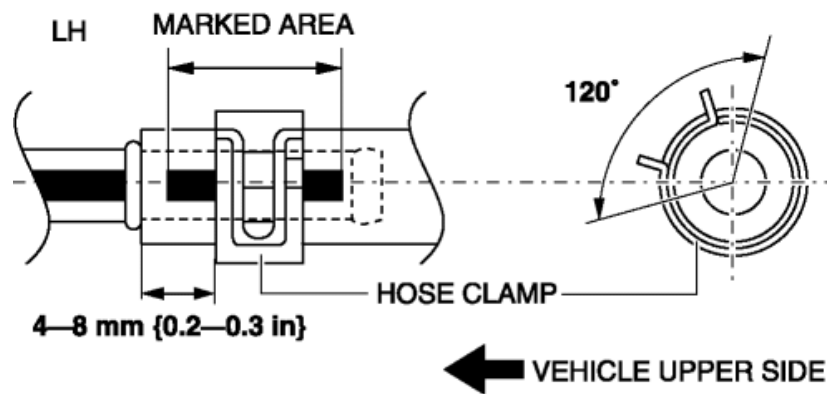
Oil pipe component (transaxle side)

1. Install the oil hose to the position shown in the figure.



- Verify that the installation angle of the oil hose is within the range shown in the figure.

2. Install the hose clamp to the position shown in the figure.

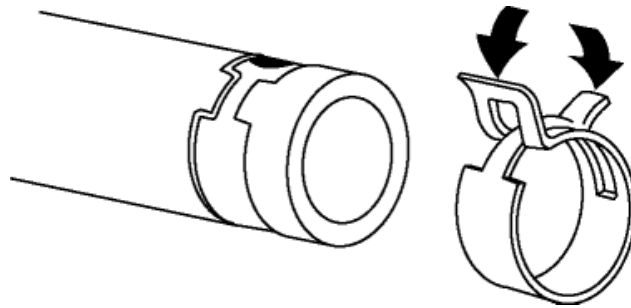


- Verify that the hose clamp is within the marked area of the oil hose.

- Verify that the installation angle of the hose clamp is within the range shown in the figure.

NOTE:

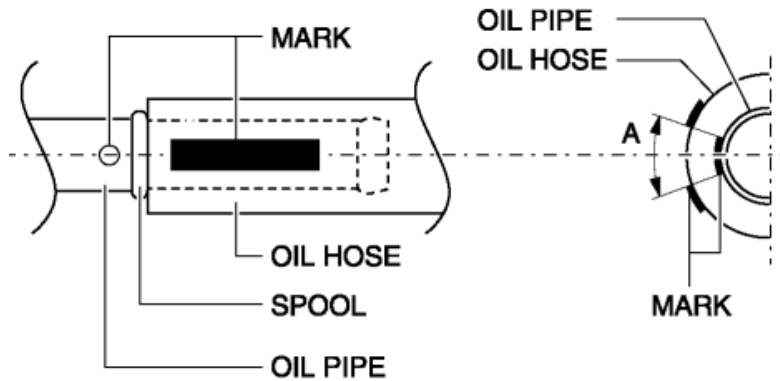
- If the oil hose is to be re-used, install the hose clamp to the impression in the hose left by the previous installation. After installation, apply force to the hose clamp in the direction of the arrows to engage the hose clamp securely.



3. Verify that the hose clamp does not interfere with surrounding the accessories.

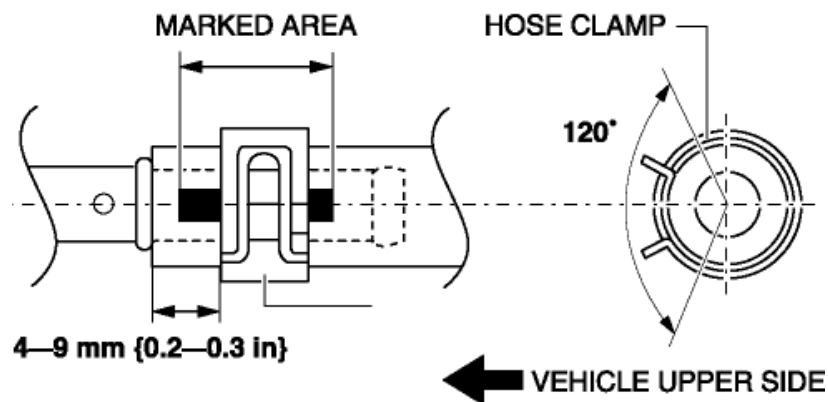
Oil pipe component (radiator side)

1. Install the oil hose to the position shown in the figure.



- Verify that the oil hose mark is within the A range.

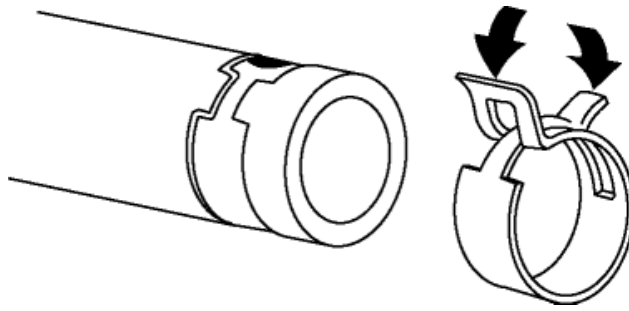
2. Install the hose clamp to the position shown in the figure.



- Verify that the hose clamp is within the marked area of the oil hose.
- Verify that the installation angle of the hose clamp is within the range shown in the figure.

NOTE:

- If the oil hose is to be re-used, install the hose clamp to the impression in the hose left by the previous installation. After installation, apply force to the hose clamp in the direction of the arrows to engage the hose clamp securely.



3. Verify that the hose clamp does not interfere with surrounding the accessories.

[< Previous](#) [Next >](#)

© 2012 Mazda North American Operations, U.S.A.

[Back to Top](#)

2012 - Mazda6 - Transmission/ Transaxle

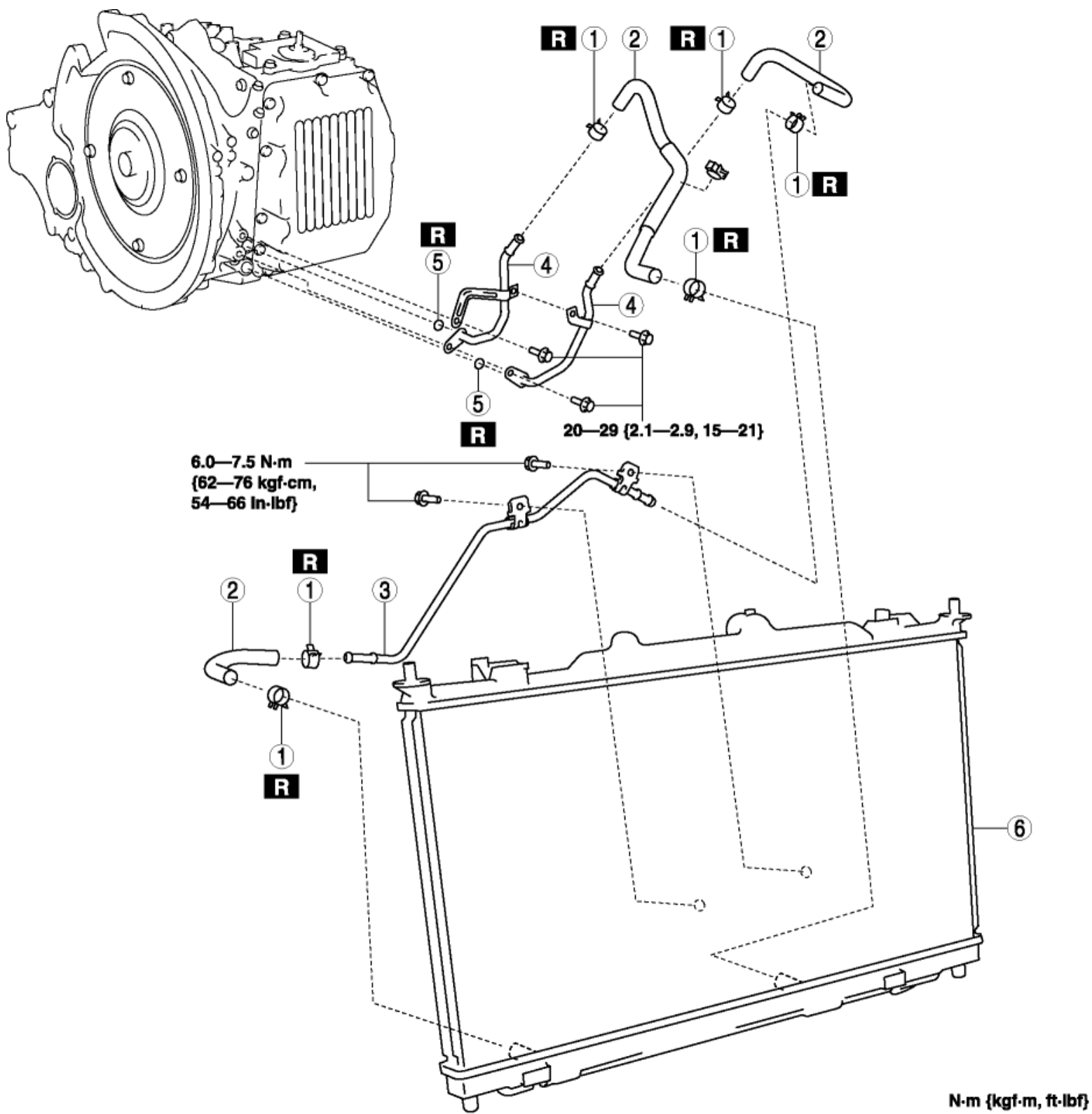
OIL COOLER REMOVAL/ INSTALLATION [AY6A-EL]

WARNING:

- A hot transaxle and ATF can cause severe burns. Turn off the engine and wait until they are cool.
- Using compressed air can cause dirt and other particles to fly out, causing injury to the eyes. Wear protective eyeglasses whenever using compressed air.

NOTE:

- After removing the oil cooler, check for dirt or foreign objects mixed into the ATF and flush the oil cooler if necessary.
1. Disconnect the negative battery cable.
 2. Drain the ATF. (See [AUTOMATIC TRANSAXLE FLUID \(ATF\) REPLACEMENT \[AY6A-EL\]](#).)
 3. Drain the engine coolant. (See [ENGINE COOLANT REPLACEMENT \[MZI 3.7 V6\]](#).)
 4. Remove the aerodynamic under cover No.1. (See [AERODYNAMIC UNDER COVER NO.1 REMOVAL/ INSTALLATION.](#))
 5. Remove in the order indicated in the table.
 6. Install in the reverse order of removal.
 7. Add engine coolant. (See [ENGINE COOLANT REPLACEMENT \[MZI 3.7 V6\]](#).)
 8. Add ATF. (See [AUTOMATIC TRANSAXLE FLUID \(ATF\) LEVEL ADJUSTMENT \[AY6A-EL\]](#).)
 9. Adjust the ATF level. (See [AUTOMATIC TRANSAXLE FLUID \(ATF\) LEVEL ADJUSTMENT \[AY6A-EL\]](#).)
 10. Perform the "Mechanical System Test". (See [MECHANICAL SYSTEM TEST \[AY6A-EL\]](#).)



1 Hose clamp

2 Oil hose

(See [Oil Hose Installation Note.](#))

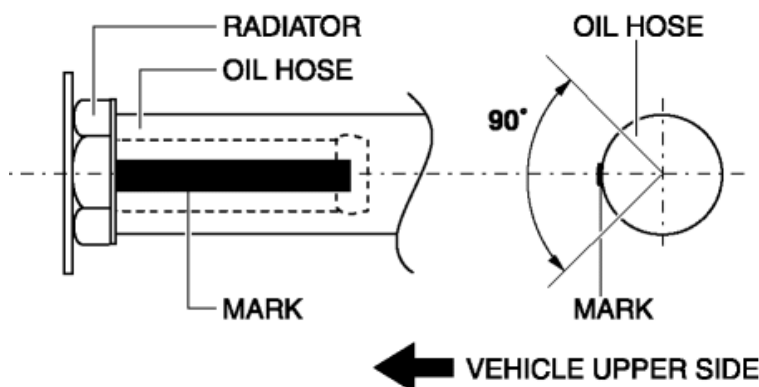
5 Oil pipe component (radiator side)

4	Oil pipe component (transaxle side)
5	O-ring
6	Radiator (in tank oil cooler)
(See RADIATOR REMOVAL/ INSTALLATION [MZI 3.7 V6] .)	

Oil Hose Installation Note

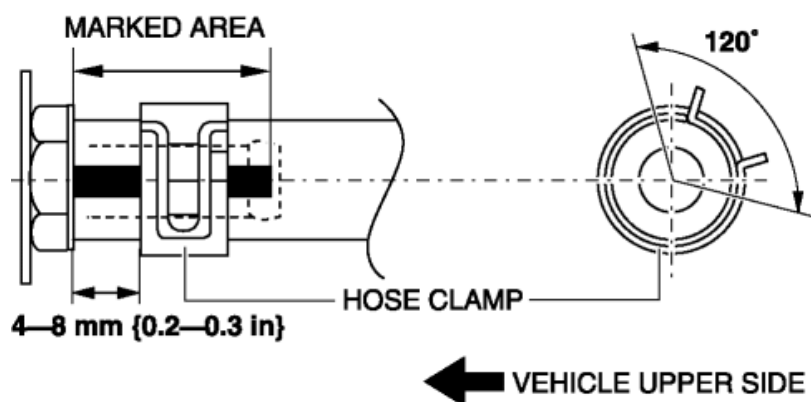
Radiator side

1. Install the oil hose to the position shown in the figure.



- Verify that the installation angle of the oil hose is within the range shown in the figure.

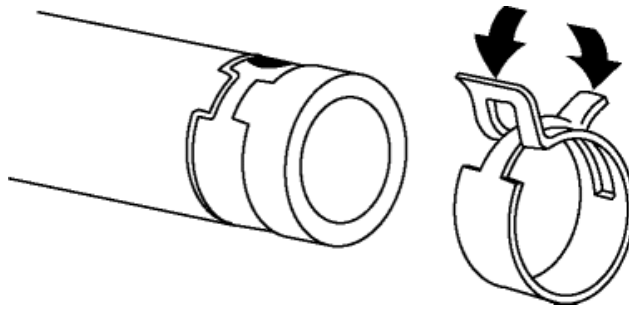
2. Install the hose clamp to the position shown in the figure.



- Verify that the hose clamp is within the marked area of the oil hose.
- Verify that the installation angle of the hose clamp is within the range shown in the figure.

NOTE:

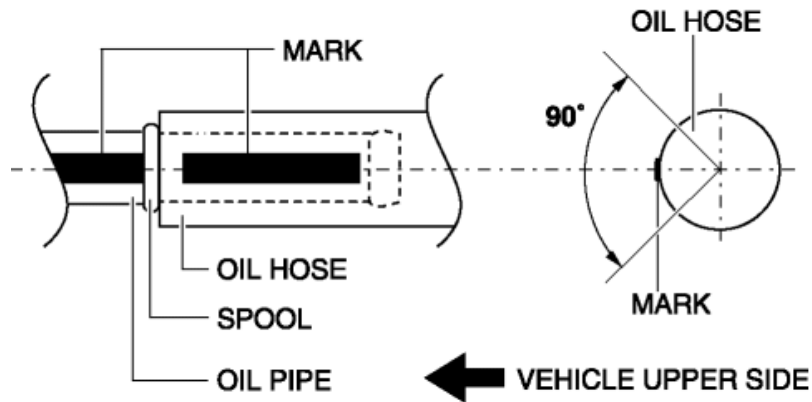
- If the oil hose is to be re-used, install the hose clamp to the impression in the hose left by the previous installation. After installation, apply force to the hose clamp in the direction of the arrows to engage the hose clamp securely.



3. Verify that the hose clamp does not interfere with surrounding the accessories.

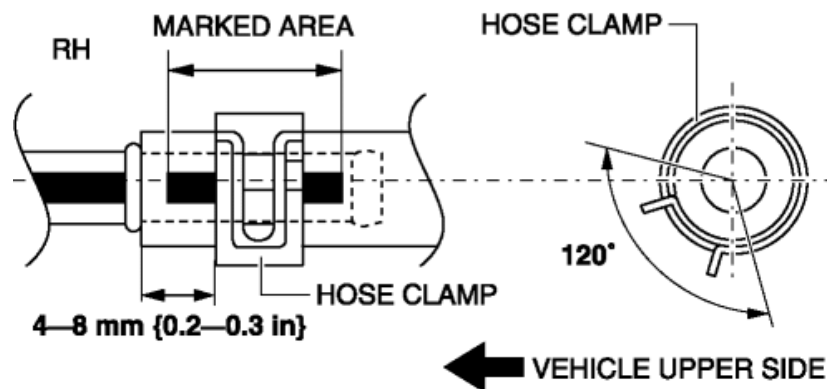
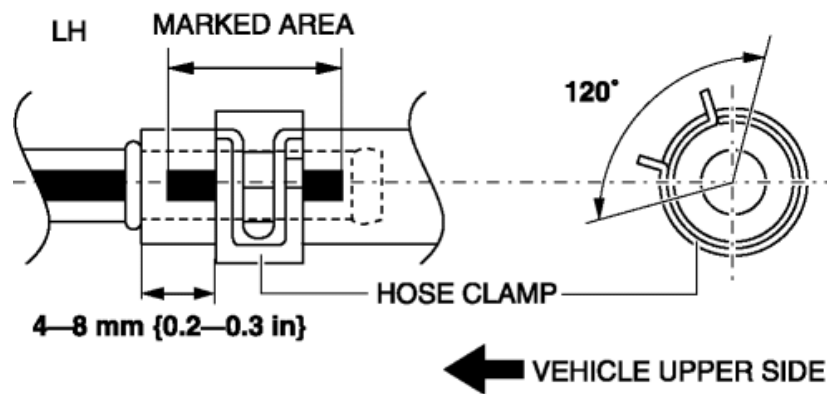
Oil pipe component (transaxle side)

1. Install the oil hose to the position shown in the figure.



- Verify that the installation angle of the oil hose is within the range shown in the figure.

2. Install the hose clamp to the position shown in the figure.

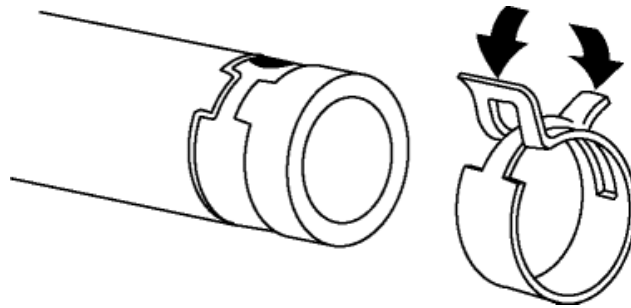


- Verify that the hose clamp is within the marked area of the oil hose.

- Verify that the installation angle of the hose clamp is within the range shown in the figure.

NOTE:

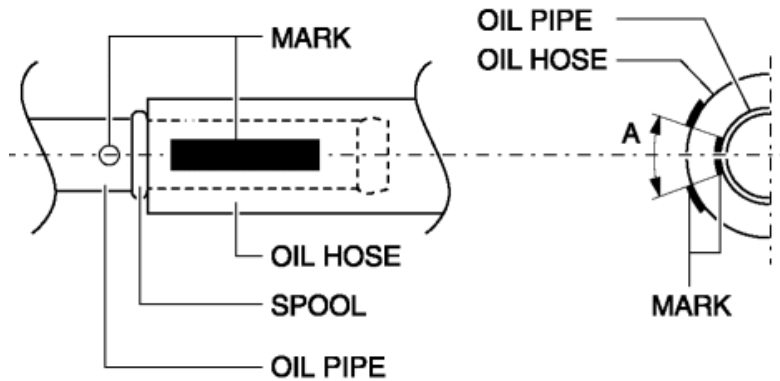
- If the oil hose is to be re-used, install the hose clamp to the impression in the hose left by the previous installation. After installation, apply force to the hose clamp in the direction of the arrows to engage the hose clamp securely.



3. Verify that the hose clamp does not interfere with surrounding the accessories.

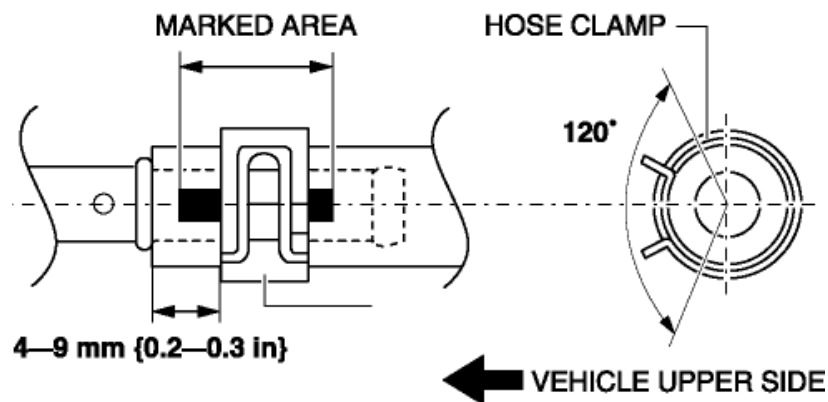
Oil pipe component (radiator side)

1. Install the oil hose to the position shown in the figure.



- Verify that the oil hose mark is within the A range.

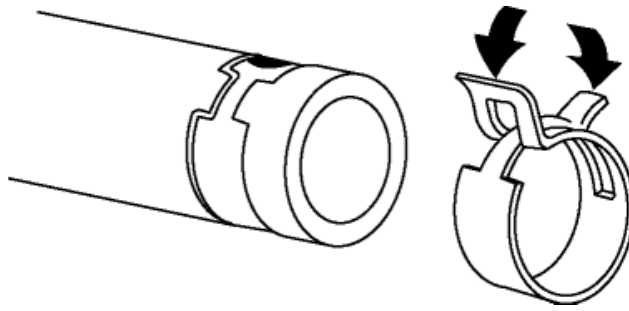
2. Install the hose clamp to the position shown in the figure.



- Verify that the hose clamp is within the marked area of the oil hose.
- Verify that the installation angle of the hose clamp is within the range shown in the figure.

NOTE:

- If the oil hose is to be re-used, install the hose clamp to the impression in the hose left by the previous installation. After installation, apply force to the hose clamp in the direction of the arrows to engage the hose clamp securely.



3. Verify that the hose clamp does not interfere with surrounding the accessories.

[< Previous](#) [Next >](#)

© 2012 Mazda North American Operations, U.S.A.

[Back to Top](#)