

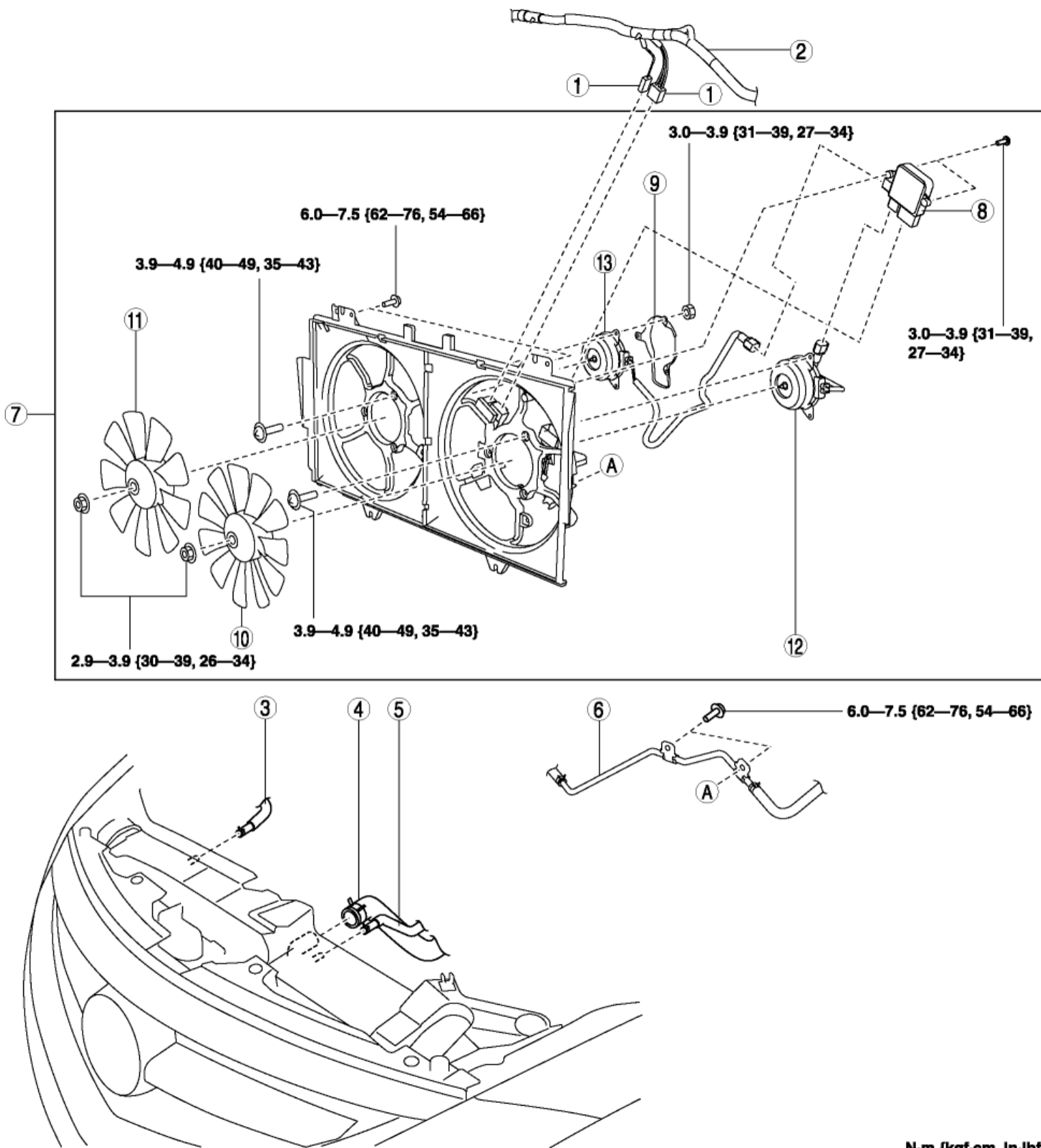
## 2012 - Mazda6 - Engine

### COOLING FAN MOTOR REMOVAL/ INSTALLATION [MZI 3.7 V6]

#### WARNING:

- Never remove the cooling system cap or loosen the radiator drain plug while the engine is running, or when the engine and radiator are hot. Scalding engine coolant and steam may shoot out and cause serious injury. It may also damage the engine and cooling system.
- Turn off the engine and wait until it is cool. Even then, be very careful when removing the cap. Wrap a thick cloth around it and slowly turn it counterclockwise 2.5 turns. Step back while the pressure escapes.
- When you are sure all the pressure is gone, turn the cap using the cloth, and remove it.

1. Disconnect the negative battery cable.
2. Drain the engine coolant. (See [ENGINE COOLANT REPLACEMENT \[MZI 3.7 V6\]](#).)
3. Remove the air cleaner and fresh air duct component. (See [INTAKE-AIR SYSTEM REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)
4. Remove in the order indicated in the table.
5. Install in the reverse order of removal.
6. Refill the engine coolant. (See [ENGINE COOLANT REPLACEMENT \[MZI 3.7 V6\]](#).)
7. Inspect for engine coolant leakage. (See [ENGINE COOLANT LEAKAGE INSPECTION \[MZI 3.7 V6\]](#).)



N·m {kgf·cm, in·lbf}

1 Fan control module connector

2 Wiring harness

3 Coolant reserve tank hose

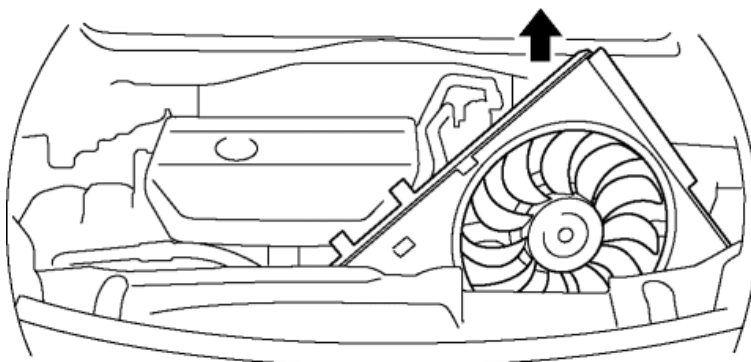
|    |                                                                                     |
|----|-------------------------------------------------------------------------------------|
|    |                                                                                     |
| 4  | Upper radiator hose                                                                 |
| 5  | Water hose                                                                          |
| 6  | ATF oil cooler pipe<br>(See <a href="#">ATF Oil Cooler Pipe Removal Note.</a> )     |
| 7  | Cooling fan component<br>(See <a href="#">Cooling Fan Component Removal Note.</a> ) |
| 8  | Fan control module                                                                  |
| 9  | Heat insulator                                                                      |
| 10 | Cooling fan No.1                                                                    |
| 11 | Cooling fan No.2                                                                    |
| 12 | Cooling fan motor No.1                                                              |
| 13 | Cooling fan motor No.2                                                              |

#### **ATF Oil Cooler Pipe Removal Note**

1. Remove the ATF oil cooler pipe with the hoses still connected. Position the ATF oil cooler pipe so that it is out of the way.

#### **Cooling Fan Component Removal Note**

1. Remove the cooling fan component from above the engine compartment.



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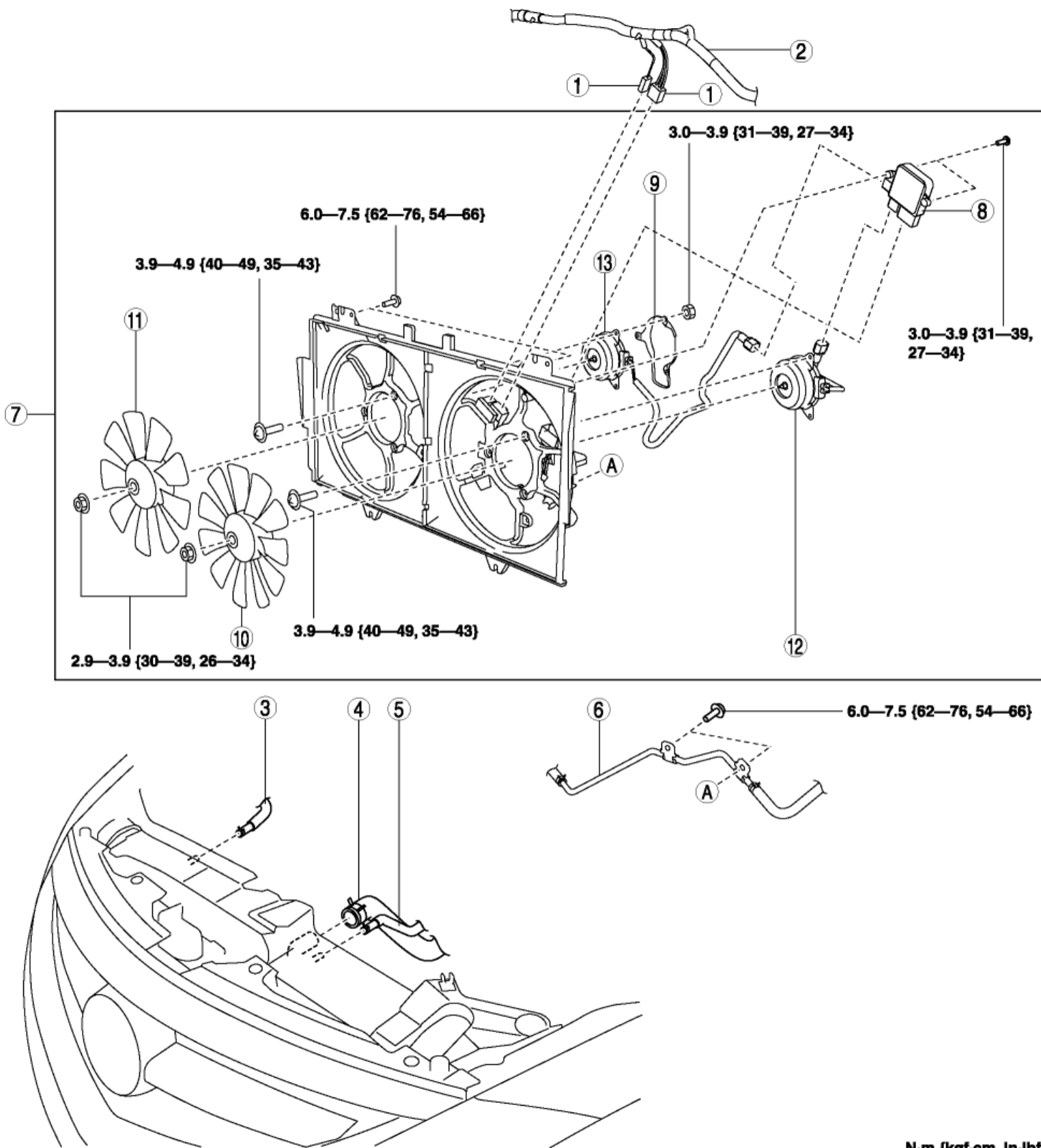
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