

# Your Ultimate Source for OEM Repair Manuals

FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

## 2015 Nissan Juke Service and Repair Manual

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## REMOVAL

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### WARNING:

Never remove the reservoir tank cap if the drive motor or other high voltage part is hot. Hot coolant may spout out from the radiator, causing serious injury.

### RESERVOIR TANK

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- 1 Drain coolant. Refer to [COOLANT : Draining](#).
- 2 Remove the reservoir tank mounting bolt, and move the reservoir tank to the front of the vehicle.
- 3 Disconnect the reservoir tank hose from the reservoir tank, and remove the reservoir tank.

### WATER COOLER INLET HOSE

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- 1 Drain coolant. Refer to [COOLANT : Draining](#).
- 2 Disconnect the water cooler inlet hose from the reservoir tank hose.
- 3 Disconnect the water cooler inlet hose from the electric water pump and the electric water pump inlet tube ASSY right, and remove the water cooler inlet hose.

### ELECTRIC WATER PUMP INLET TUBE ASSY RIGHT

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- 1 Drain coolant. Refer to [COOLANT : Draining](#).
- 2 Remove the front tire assembly RH. Refer to [ROAD WHEEL TIRE : Removal & Installation](#).
- 3 Disconnect the electric water pump inlet tube ASSY right from the LI-ION battery side hose.
- 4 Remove the electric water pump inlet tube ASSY right mounting bolt and water hose bracket 4 mounting bolt.
- 5 Remove the electric water pump inlet tube ASSY right from the water cooler inlet hose.
- 6 Remove the electric water pump inlet tube ASSY cover right.
- 7 Remove the electric water pump inlet tube ASSY right.

### ELECTRIC WATER PUMP INLET TUBE ASSY LEFT

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- 1 Drain coolant. Refer to [COOLANT : Draining](#).
- 2 Remove the front tire assembly LH. Refer to [ROAD WHEEL TIRE : Removal & Installation](#).
- 3 Disconnect the electric water pump inlet tube ASSY left from the LI-ION battery side hose.
- 4 Remove the electric water pump inlet tube ASSY leftt mounting bolt and water hose bracket 4 mounting bolt.
- 5 Remove the electric water pump inlet tube ASSY left from the water cooler inlet hose.
- 6 Remove the electric water pump inlet tube ASSY cover left.
- 7 Remove the electric water pump inlet tube ASSY left.

### ELECTRIC WATER PUMP INLET TUBE

---

- 1 Drain coolant. Refer to [COOLANT : Draining](#).

2 Remove the water cooler inlet hose from the electric water pump.

3 Remove the front suspension member. Refer to [FRONT SUSPENSION MEMBER : Removal & Installation](#).

4 Remove the water cooler inlet hose right.

5 Remove the water cooler inlet hose left.

6 Remove the electric water pump inlet tube.

## INSTALLATION

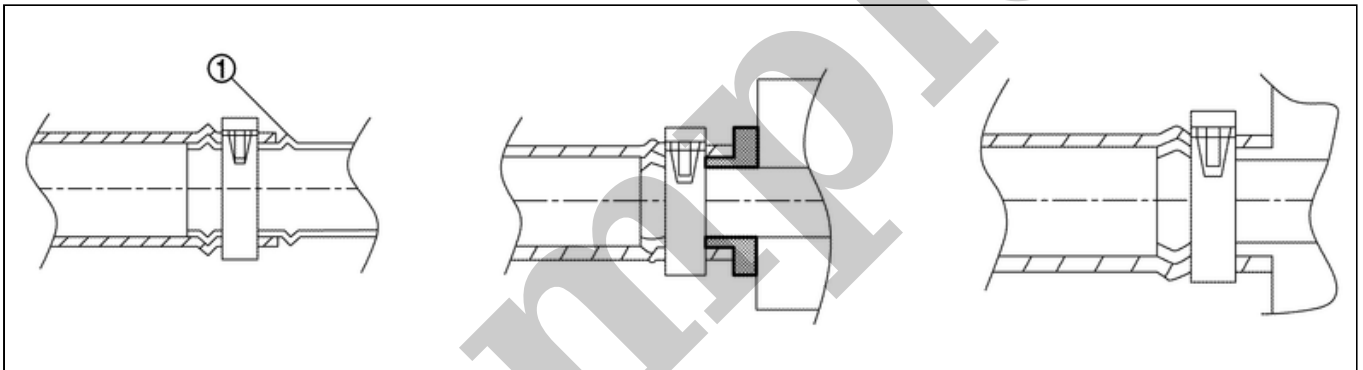
Note the following, and install in the reverse order of removal.

### CAUTION:

**Be sure to perform air bleeding properly after refilling coolant.**

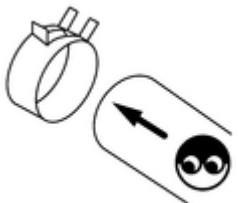


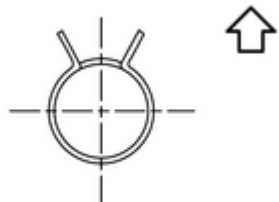
## WATER HOSE

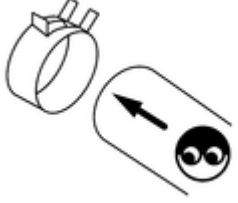



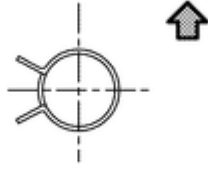

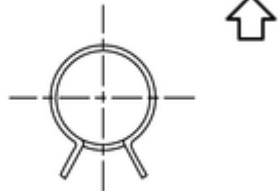

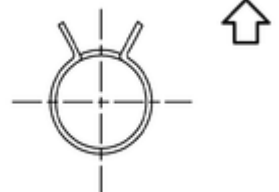
- When inserting the radiator hose and water hose , insert all the way until it contacts double spool ①, or it contacts the end.

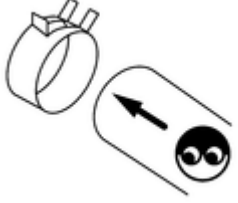
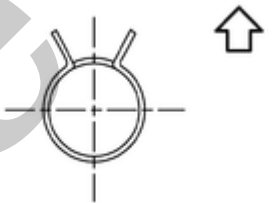
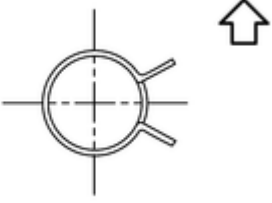
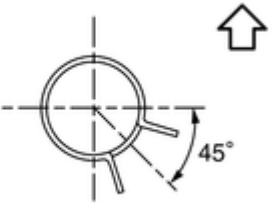
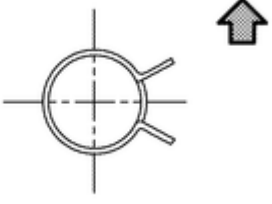
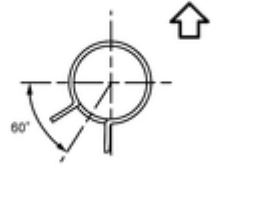


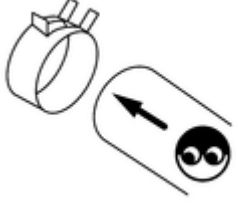

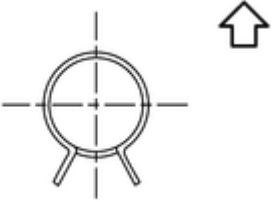
RPR-002040833-44-000347008

- Refer to the following table when installing the hose clamps.

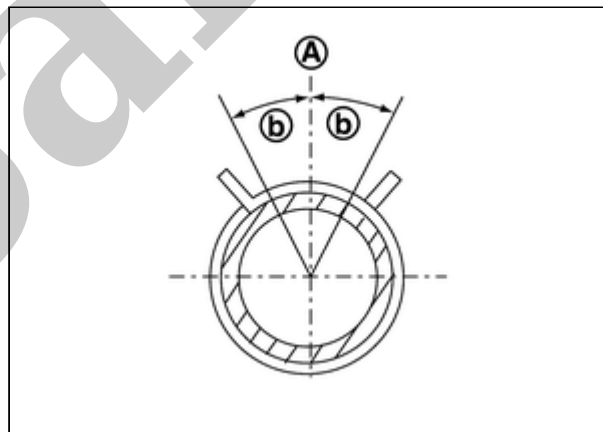
| Location of hose    | Hose end            | Direction of Paint mark | Direction of hose clamp tabs<br><br>RPR-002040833-13-PCIA0366ZZ<br> : Vehicle upper<br> : Vehicle front |
|---------------------|---------------------|-------------------------|--|
| Reservoir tank hose | Reservoir tank side | Vehicle upper           | <br>RPR-002040833-15-PCIA0362ZZ   |

| Location of hose                          | Hose end                                       | Direction of Paint mark | Direction of hose clamp tabs<br><br>RPR-002040833-13-PCIA0366ZZ<br> : Vehicle upper<br> Vehicle front |
|---|--|-------------------------|--|
|   | Water cooler inlet hose side                   | Vehicle left            |  <b>NOTE:</b><br><b>Clamp is glued to hose.</b>   |
| Water cooler inlet hose                   | Electric water pump side                       | Vehicle rear            | <br>RPR-002040833-17-000363826  |
|   | Electric water pump inlet tube ASSY right side | Vehicle lower left      | <br>RPR-002040833-18-000363828  |
| Electric water pump inlet tube ASSY right | LI-ION battery side                            | Vehicle lower           | <br>RPR-002040833-19-SBIA4312ZZ   |
|   | Water cooler inlet hose side                   | Vehicle lower left      |  <b>NOTE:</b><br><b>Clamp is glued to hose.</b>   |
| Water cooler inlet hose right             | Electric water pump inlet tube ASSY            | Vehicle upper           |   |

|                              |   |                         |   |
|------------------------------|---|-------------------------|---|
| Location of hose             | Hose end  | Direction of Paint mark | <p>Direction of hose clamp tabs</p>  <p>RPR-002040833-13-PCIA0366ZZ</p> <p>←: Vehicle upper</p> <p>← Vehicle front</p> |
|                              | Electric water pump side                            | Vehicle upper           | <p>RPR-002040833-16-PCIA0362ZZ</p>  <p>RPR-002040833-20-PCIA0362ZZ</p>   |
| Water cooler inlet hose left | Battery coolant cooler side                         | Vehicle front           |  <p>RPR-002040833-21-PCIA0360ZZ</p>   |
|                              | Electric water pump inlet tube ASSY side            | Vehicle rear lower      |  <p>RPR-002040833-22-PBIA6939ZZ</p>  |
| Water cooler outlet hose     | Battery coolant cooler side                         | Vehicle upper           |  <p>RPR-002040833-23-SCIA1106ZZ</p>  |
|                              | Electric water pump inlet tube ASSY cover left side | Vehicle rear left       |    |

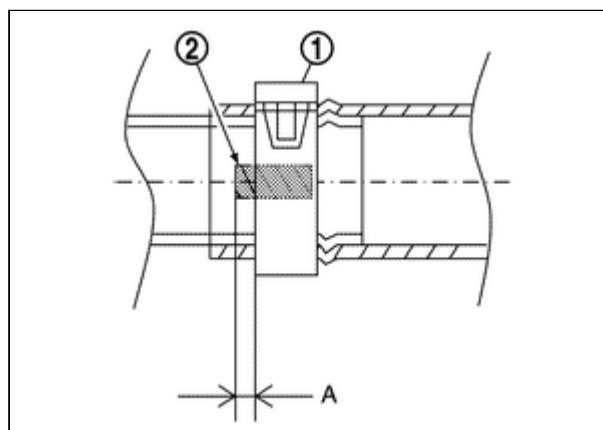
|  |                               |                         |   |
|--|-------------------------------|-------------------------|---|
| Location of hose                               | Hose end                      | Direction of Paint mark | <p>Direction of hose clamp tabs</p>  <p>RPR-002040833-13-PCIA0366ZZ</p> <p>←: Vehicle upper</p> <p>← Vehicle front</p> |
|  |                               |                         | RPR-002040833-11-000363829  |
| Electric water pump inlet tube ASSY cover left | Water cooler outlet hose side | Vehicle lower rear      | <p> <b>NOTE:</b><br/>Clamp is glued to hose.</p>   |
|  | LI-ION battery side           | Vehicle lower           |  <p>RPR-002040833-12-SBIA4312ZZ</p>   |

- The direction of the hose clamp tabs must be within  $\pm 30^\circ$  (b) of the indicated position (A).



RPR-002040833-38-PBIA4295ZZ

- When installing hose clamp (1), check that the distance "A" between the end of the radiator hose paint mark (2) and the hose clamp is within the specified range.



Sample

## INSPECTION AFTER INSTALLATION

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- Check radiator for coolant leakage with radiator cap tester (commercial service tool).

Refer to [COOLANT : Inspection](#).

- Start the electric pump, and check the joints for coolant leakage.

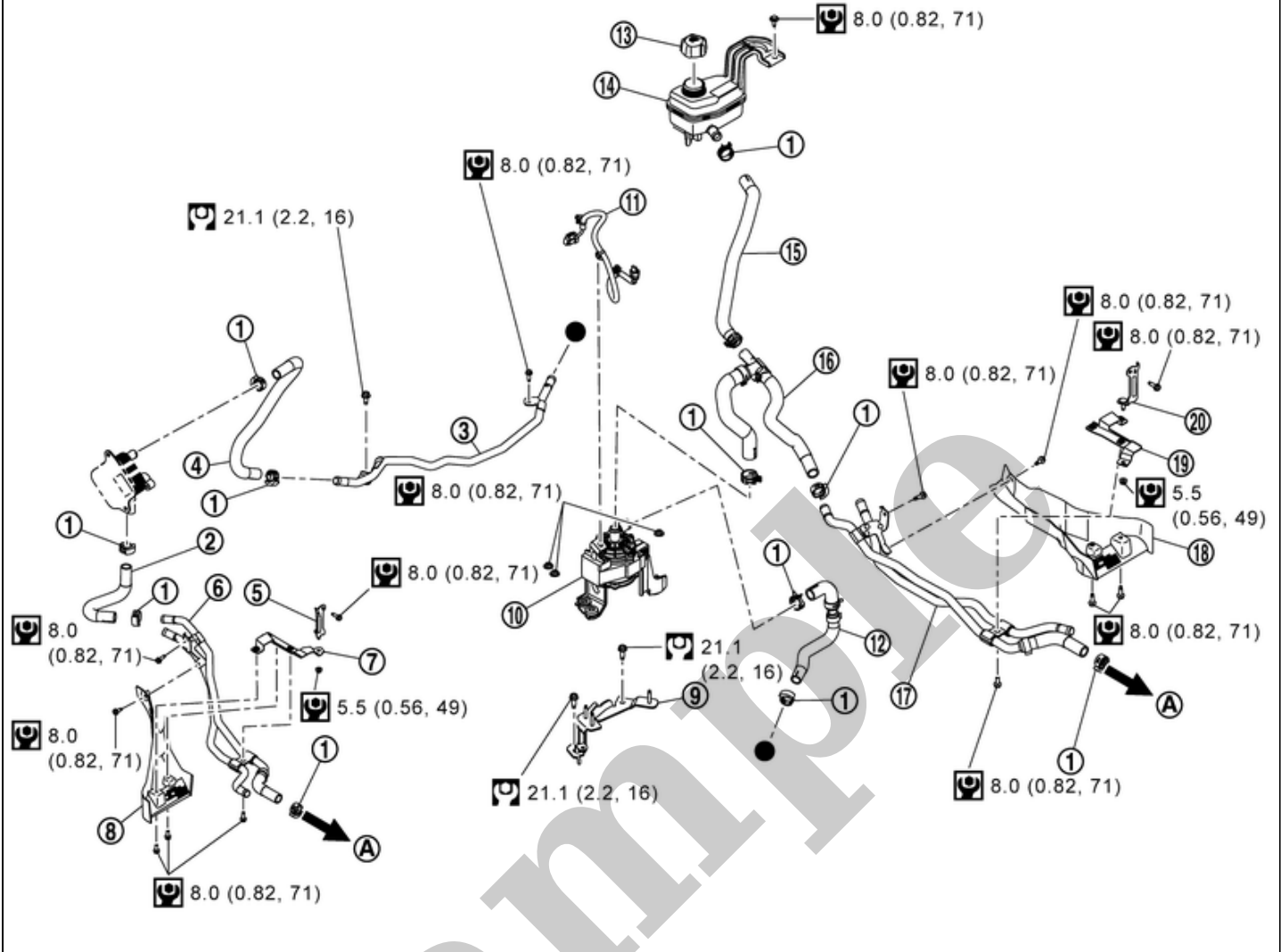
Sample



# LI-ION BATTERY COOLING SYSTEM : Exploded View

RPR-001980230

## SEC. 214



RPR-001980230-01-000396411

|    |   |   |  |   |   |
|----|---|---|--|---|---|
| ①  | Clamp   | ② | Water cooler outlet hose                       | ③ | Electric water pump inlet tube                  |
| ④  | Water cooler inlet hose left                                    | ⑤ | Water hose bracket 1                           | ⑥ | Electric water pump inlet tube ASSY left        |
| ⑦  | Water hose bracket 2  | ⑧ | Electric water pump inlet tube ASSY cover left | ⑨ | Electric water pump bracket 1                   |
| ⑩  | Electric water pump   | ⑪ | Electric water pump harness                    | ⑫ | Water cooler inlet hose right                   |
| ⑬  | Reservoir tank cap  | ⑭ | Reservoir tank                                 | ⑮ | Reservoir tank hose                             |
| ⑯  | Water cooler inlet hose   | ⑰ | Electric water pump inlet tube ASSY right      | ⑱ | Electric water pump inlet tube ASSY cover right |
| ⑲  | Water hose bracket 3  | ⑳ | Water hose bracket 4                           |   |   |
| Ⓐ  | : To Li-ion battery<br>Refer to <a href="#">Exploded View</a> . |   |  |   |   |
| 🔧  | : N·m(kg-m, in-lb)  |   |  |   |   |
| 🔧  | : N·m(kg-m, ft-lb)  |   |  |   |   |
| ●▲ | : Shows the connection between the same marks                   |   |  |   |   |

## REMOVAL

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### WARNING:

Never remove the reservoir tank cap if the drive motor or other high voltage part is hot. Hot coolant may spout out from the radiator, causing serious injury.

### RESERVOIR TANK

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- 1 Drain coolant. Refer to [COOLANT : Draining](#).
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### WATER COOLER INLET HOSE

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- 2 Disconnect the water cooler inlet hose from the reservoir tank hose.
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### ELECTRIC WATER PUMP INLET TUBE ASSY RIGHT

---

- 1 Drain coolant. Refer to [COOLANT : Draining](#).
- 2 Remove the front tire assembly RH. Refer to [ROAD WHEEL TIRE : Removal & Installation](#).
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### ELECTRIC WATER PUMP INLET TUBE ASSY LEFT

---

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- 5 Remove the electric water pump inlet tube ASSY left from the water cooler inlet hose.
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### ELECTRIC WATER PUMP INLET TUBE

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