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2015 Nissan GT-R Service and Repair Manual

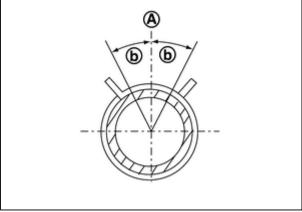
Go to manual page

| Location of hose | Hose end | Direction of Paint mark | Direction of hose clamp tabs RPR-001824646-28-PCIA0366ZZ | | |
|--|--|----------------------------|---|--|--|
| | | | ∵: Vehicle upper ✓ Vehicle front | | |
| | In-vehicle charger side | Vehicle upper | RPR-001824646-33-PCIA0362ZZ | | |
| | In-vehicle charger side | Vehicle rear | RPR-001824646-41-PCIA0360ZZ | | |
| DC/DC converter inlet hose | DC/DC converter side | Vehicle rear | RPR-001824646-43-PCIA0360ZZ | | |
| Traction motor inlet hose (DC/DC converter side) | DC/DC converter side | Vehicle rear | RPR-001824646-04-PCIA0364ZZ | | |
| | Traction motor inlet hose (traction motor side) | Vehicle right | NOTE: Clamp is glued to hose. | | |

| | | | Direction of hose clamp tabs |
|--|------------------------------|----------------------------|------------------------------|
| Location of hose | Hose end | Direction of Paint mark | |
| | | | RPR-001824646-28-PCIA0366ZZ |
| | | | : Vehicle upper |
| | | | ↓ Vehicle front |
| | Traction motor inverter side | Vehicle upper | |
| Traction motor inlet hose | | | RPR-001824646-27-PCIA0362ZZ |
| Traction motor fillet flose | Traction motor inside | Vehicle rear | |
| | | | RPR-001824646-30-PCIA0364ZZ |
| | Traction motor inverter side | Vehicle upper | ☆ |
| Radiator hose lower (between | | | RPR-001824646-31-PCIA0362ZZ |
| traction motor inverter and electric water pump) | Electric water pump side | Vehicle rear left | 48° |
| | | | RPR-001824646-01-000363832 |
| Radiator hose lower | Electric water pump side | Vehicle upper | |
| | | | RPR-001824646-03-PCIA0362ZZ |

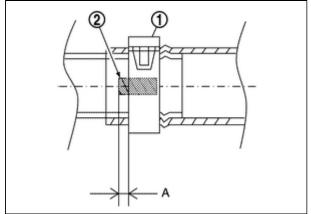
| Location of hose | Hose end | Direction of Paint mark | Direction of hose clamp tabs RPR-001824646-28-PCIA0366ZZ C: Vehicle upper Vehicle front |
|---|--|----------------------------|--|
| | Radiator side | Vehicle left | RPR-001824646-34-PCIA0364ZZ |
| Traction motor inlet hose (traction motor side) | Traction motor inside | Vehicle upper right | RPR-001824646-02-000363833 |
| | Traction motor inlet hose (DC/DC converter side) | Vehicle upper | NOTE: Clamp is glued to hose. |

The direction of the hose clamp tabs must be within $\pm 30^{\circ}$ **b** of the indicated position **A**.



RPR-001824646-38-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.



RPR-001824646-39-SBIA0241ZZ

Dimension "A"

: (+1) - (-1) mm [(+0.04) - (-0.04) in]

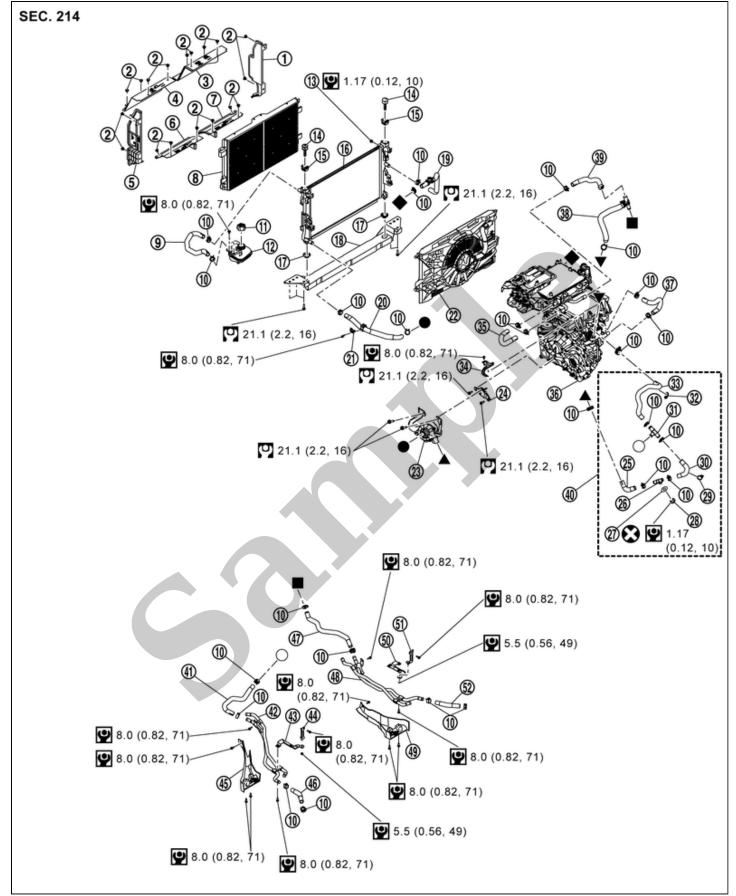


INSPECTION AFTER INSTALLATION

- Confirm that the reservoir tank cap is tightened.
- With a suitable tool, check that there is no leaks of coolant. Refer to <u>Inspection</u>.
- Start the electric pump, and check the joints for coolant leaks.



Front side

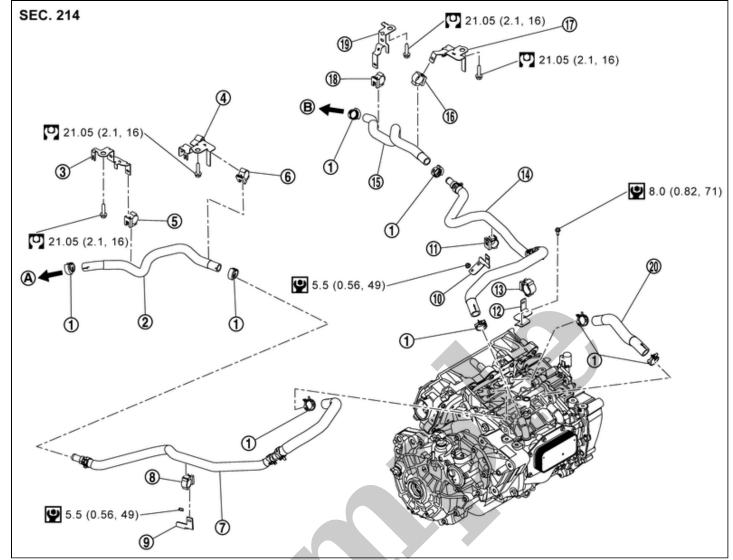


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| 1 | Radiator air guide | @ | Clip | 3 | Radiator air guide upper right |
|----|--------------------------------|-----|-------------------------|----|--------------------------------|
| 4 | Radiator air guide upper left | (5) | Radiator air guide left | 6 | Radiator air guide lower left |
| 7 | Radiator air guide lower right | 8 | Chipping guard | 9 | Radiator reservoir tank hose |
| 10 | Clamp | 11) | Reservoir tank cap | 12 | Reservoir tank |

| 13 | Air bleeder | 14) | Radiator upper mounting lock | 15) | Radiator upper mounting | | |
|-----|---|-----|---|-------------|---|--|--|
| 16 | Radiator | 17) | Radiator lower mounting | 18) | Radiator core support lower | | |
| 19 | Radiator outlet hose | 20 | Radiator hose lower | 21) | Radiator hose lower bracket | | |
| 22 | Radiator cooling fan shroud | 23 | Electric water pump | 24) | Electric water pump bracket | | |
| 25) | Radiator hose lower (Between traction motor inverter and electric water pump 1)*1 | 26 | Radiator hose lower connector | 27 | O-ring | | |
| 28 | Drain plug | 29 | Clip 1 | 33 | Radiator hose lower (Between traction motor inverter and electric water pump 2)*1 | | |
| 31) | Radiator hose lower pipe *2 | 32 | Clip 2 | 33 | Radiator hose lower (Between traction motor inverter and electric water pump 3)*3 | | |
| 34) | Bracket | 35) | DC/DC converter inlet hose | 36) | Traction motor | | |
| 37 | Traction motor inlet hose | 38 | Traction motor inlet hose (Traction motor side) | 3 | Traction motor inlet hose (DC/DC converter side) | | |
| 40 | Radiator hose lower [Between inverter(front) and electric water pump] ASSY | 41) | Water hose 1 | (4) | Electric water pump inlet tube ASSY left | | |
| 43 | Water hose bracket 2 | 44) | Water hose bracket 1 | 45 | Electric water pump inlet tube ASSY cover left | | |
| 46 | Water hose 2 | 47 | Water hose 3 | 48 | Electric water pump inlet tube ASSY right | | |
| 49 | Electric water pump inlet tube ASSY cover right | 50 | Water hose bracket3 | (51) | Water hose bracket 4 | | |
| 62 | Water hose 4 | | | | | | |
| *1 | (25,30,31,33) are supplied as an assembly | | | | | | |
| • | : N·m (kg-m, in-lb) | | | | | | |
| (0) | : N·m (kg-m, ft-lb) | | | | | | |
| •,▲ | \bullet , \bullet , \bullet , \bullet ; Shows the connection between the same marks | | | | | | |

Rear side



RDE-001824644-02-000400254

| 1 | Clamp | 2 | Water hose [inverter (rear) inlet] 2 | 3 | Bracket 1 |
|------|--------------------------------------|------------------|---|----|----------------------------------|
| 4 | Bracket 2 | (5) | Clip 1 | 6 | Clip 2 |
| 7 | Water hose [inverter (rear) inlet] 1 | (8) | Clip 3 | 9 | Bracket 3 |
| 10 | Bracket 4 | (\mathfrak{T}) | Clip 4 | 12 | Bracket 5 |
| 13 | Clip 5 | 4 | Water hose (oil cooler outlet) 1 | 15 | Water hose (oil cooler outlet) 2 |
| 16 | Clip 6 | (£) | Bracket 6 | 18 | Clip 7 |
| 19 | Bracket 7 | 8 | Water hose [inverter (rear) inlet - oil cooler] | | |
| lack | To Li-ion batery | ഀ | To Li-ion batery | | |
| • | : N·m (kg-m, in-lb) | | | | |
| Ó | : N·m (kg-m, ft-lb) | | | | |

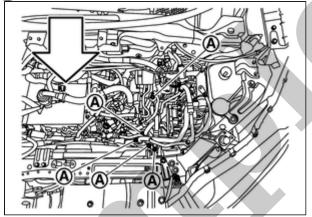
REMOVAL

water line front side

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.

- 1 Remove high voltage supply unit from vehicle. Refer to <u>HIGH VOLTAGE POWER DELIVERY ASSEMBLY</u>: <u>Exploded View</u>.
- 2 Discharge A/C refrigerant gas. Refer to Recycle Refrigerant.
- 3 Remove A/C piping mounting bolts (A) and remove piping.

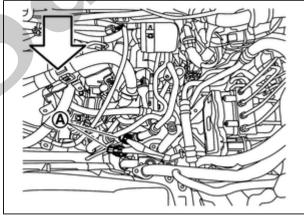


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: Vehicle front

4 Remove harness connector **(A)**.



RPR-001980266-06-000346998



: Vehicle front

- 5 Remove front bumper. Refer to <u>Removal & Installation</u>.
- 6 Remove active grill shutter. Refer to Removal & Installation.
- 7 Remove radiator air guides upper on both sides.
- 8 Remove radiator air guides lower on both sides.
- 9 Remove radiator air guides on both sides.