

# Engine Cooling System

## Precautions

### Precautions for Engine Cooling System

BENE31J11600001

Refer to "General Precautions" in Section 00 (Page 00-1) and "Precautions for Electrical Circuit Service" in Section 00 (Page 00-2).

#### ▲ WARNING

- You can be injured by boiling fluid or steam if you open the radiator cap when the engine is hot. After the engine cools, wrap a thick cloth around cap and carefully remove the cap by turning it a quarter turn to allow pressure to escape and then turn the cap all the way off.
- The engine must be cool before servicing the cooling system.
- Coolant is harmful:
  - If it comes in contact with skin or eyes, flush with water.
  - If swallowed accidentally, do not induce vomiting and call physician immediately.
  - Keep it away from children.

### Precautions for Engine Coolant

BENE31J11600002

Refer to "Fuel / Oil / Fluid Recommendation" in Section 0C (Page 0C-12).

## General Description

### Engine Coolant Description

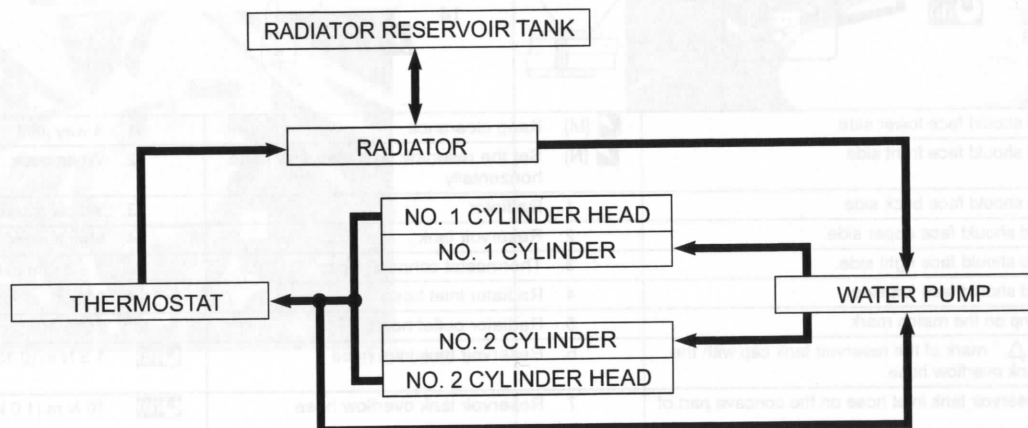
BENE31J11601001

Refer to "Fuel / Oil / Fluid Recommendation" in Section 0C (Page 0C-12).

## Schematic and Routing Diagram

### Cooling Circuit Diagram

BENE31J11602001

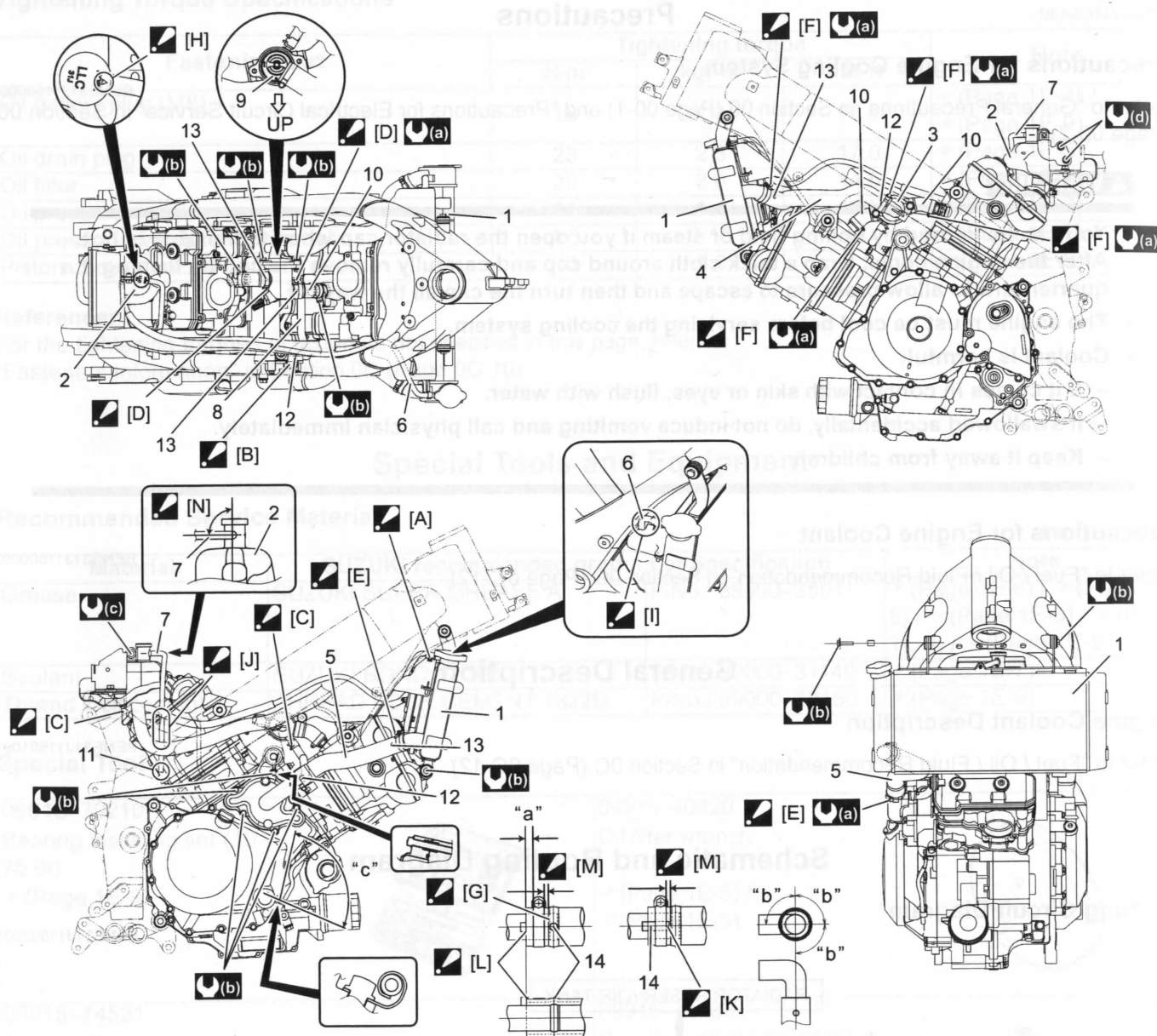


IE31J1160001-01

## 1F-2 Engine Cooling System:

### Water Hose Routing Diagram

BENE31J11602002



IE31J1160063-08

<p>[A]: Clamp end should face lower side.</p> <p>[B]: Clamp end should face front side.</p> <p>[C]: Clamp end should face back side.</p> <p>[D]: Screw head should face upper side.</p> <p>[E]: Screw head should face right side.</p> <p>[F]: Screw head should face left side.</p> <p>[G]: Do not clamp on the match mark.</p> <p>[H]: Align the "△" mark of the reservoir tank cap with the reservoir tank overflow hose.</p> <p>[I]: Pass the reservoir tank inlet hose on the concave part of heat shield. Pass the slack of hose to behind of the frame.</p> <p>[J]: Pass the reservoir tank overflow hose to the behind of wiring harness.</p> <p>[K]: Tighten the clamp on match mark.</p> <p>[L]: Insert the hose to the stopper.</p>	<p>[M]: Keep clearance.</p> <p>[N]: Set the reservoir tank over flow hose horizontally.</p> <p>1. Radiator</p> <p>2. Reservoir tank</p> <p>3. Thermostat connector cap</p> <p>4. Radiator inlet hose</p> <p>5. Radiator outlet hose</p> <p>6. Reservoir tank inlet hose</p> <p>7. Reservoir tank overflow hose</p> <p>8. Water bypass hose</p> <p>9. Jiggle valve</p> <p>10. Connector inlet hose</p>	<p>11. 3 way joint</p> <p>12. White mark</p> <p>13. Yellow mark</p> <p>14. Match mark</p> <p>"a": 2 – 8 mm (0.08 – 0.3 in.)</p> <p>"b": 90°</p> <p>"c": 75° – 105°</p> <p>[a]: 1.5 N-m (0.15 kgf-m, 1.0 lbf-ft)</p> <p>[b]: 10 N-m (1.0 kgf-m, 7.5 lbf-ft)</p> <p>[c]: 6 N-m (0.6 kgf-m, 4.5 lbf-ft)</p> <p>[d]: 11 N-m (1.1 kgf-m, 8.0 lbf-ft)</p>
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