

Nissan Frontier 2015-2020 Workshop Manual

CYLINDER BLOCK

Exploded View



- | | | | |
|------------------------------------|------------------------|--------------------------|--------------------------|
| ① Crankshaft position sensor (CKP) | ① Crankshaft | ① Crank pin | ① Crank pin |
| ② Oil temperature sensor | ② Oil pump | ② Oil pump | ② Oil pump |
| ③ Second ring | ③ Oil ring | ③ Piston pin | ③ Connecting rod bearing |
| ④ Third ring | ④ Piston pin | ④ Connecting rod bearing | ④ Lower cylinder block |
| ⑤ Oil pin | ⑤ Lower cylinder block | ⑤ Oil level gauge | ⑤ Thrust bearing |
| ⑥ Crank pin | ⑥ Thrust bearing | ⑥ Crankshaft key | ⑥ Crankshaft |
| ⑦ Oil level gauge | ⑦ Crankshaft key | ⑦ Crankshaft | ⑦ Crankshaft |
| ⑧ Thrust bearing | ⑧ Crankshaft | ⑧ Crankshaft | ⑧ Crankshaft |
| ⑨ Crankshaft key | ⑨ Crankshaft | ⑨ Crankshaft | ⑨ Crankshaft |
| ⑩ Crankshaft | ⑩ Crankshaft | ⑩ Crankshaft | ⑩ Crankshaft |

Turn bolts 50 degrees clockwise (angle tightening).

CAUTION

- Confirm the tightening angle by using an angle wrench (SST: RW10152100) — ① (A) or protrusion. Be careful by visual inspection without the test.
- After tightening connecting rod cap bolt, check that the connecting rod rotates smoothly.
- Check the connecting rod side clearance.
- Check the piston protrusion. Refer to [Fig. 1-1-1](#).

Install balancer unit with the following procedure:

CAUTION

When any one of the components below is replaced, adjust backlash of the balancer unit. Refer to [Fig. 1-1-1](#).

- Crankshaft
- Cylinder block
- Balancer unit

Check the oil level at the TDC of its compression stroke. Refer to [Fig. 1-1-1](#).

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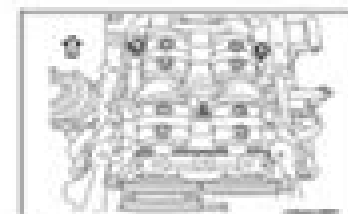
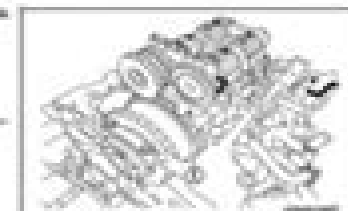
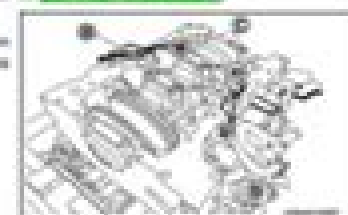
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Temporarily tighten balancer unit mounting bolt (B).

Check the oil level at the TDC of its compression stroke. Refer to [Fig. 1-1-1](#).

3 Nissan Frontier Service Repair Manual

Ying-Ying Zheng



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