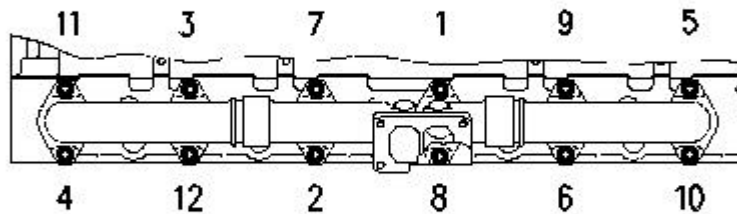


the exhaust manifold.

4. Apply Tooling (A) to the ends of studs (1). Put exhaust manifold (2) in position on the studs. Install the spacers and nuts on studs (1).



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Illustration 41

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Tightening sequence for the exhaust manifold

5. Tighten the nuts for the exhaust manifold in a numeric sequence to a torque of  $38 \pm 5$  N·m ( $28 \pm 4$  lb ft).
6. Install exhaust manifold shield (3). Apply Tooling (A) to the nuts for the exhaust manifold shield. Tighten the nuts for the shield to a torque of  $25 \pm 7$  N·m ( $18 \pm 5$  lb ft).

**End By:**

- a. Install the water temperature regulator. Refer to Disassembly and Assembly, "Water Temperature Regulator - Remove and Install".
- b. Install the turbocharger. Refer to Disassembly and Assembly, "Turbocharger - Install".