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It is possible to adjust the valves by still another method, namely:--

- a) remove the hood of the cylinder head cover;
- b) check the rocker arm shaft support attachment for tightening;
- В) turn the crankshaft to a position wherein the valves in the first cylinder are closed (No. 1 cylinder intake valve just starts to open, while No. 1 cylinder exhaust valve is near the bottom of its stroke) and adjust clearances in Nos. 4, 6, 7 and 8 valves (count the valves starting from the fan);
- г) rotate the crankshaft one complete turn more to close the valves in No. 4 cylinder and adjust clearances in Nos. 1, 2, 3 and 5 valves.

On completion of the clearance adjustment, refit the cover hood back in place. When running a re-check on a cold diesel-engine, clearances of 0.20...0.35 mm for intake and exhaust valves are permissible.

CHECK OF THE CYLINDER HEAD ATTACHMENT BOLTS FOR TIGHTENING

Check of the cylinder head bolts tightening is to be carried out immediately after the running-in of a new tractor and, then, every 1000 hours (during scheduled MS-3) on a warmed-up diesel-engine, in the sequence as follows:

- a) remove the hood and the cylinder head;
- б) remove the shaft with the rocker-arm and support assemblies;
- В) use a torque wrench to check tightening of all the cylinder head bolts in the order illustrated in Fig. 36. Tighten to 19-21 kgf·m (190-210 N·m) torque;
- г) on completion of the cylinder head bolt tightening check, reinstall the assembled rocker-arm shaft and make adjustment of a valve lash.

Reinstall the cylinder head and the cover hood back in place.

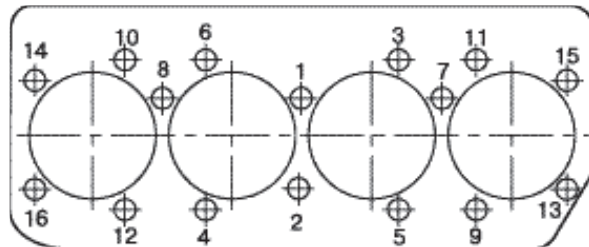


Fig. 36