

CHECKING VALVE CLEARANCE

Check and adjust the valve clearance after assembly and after every 300 hours of operation. Check the engine when cold as follows:

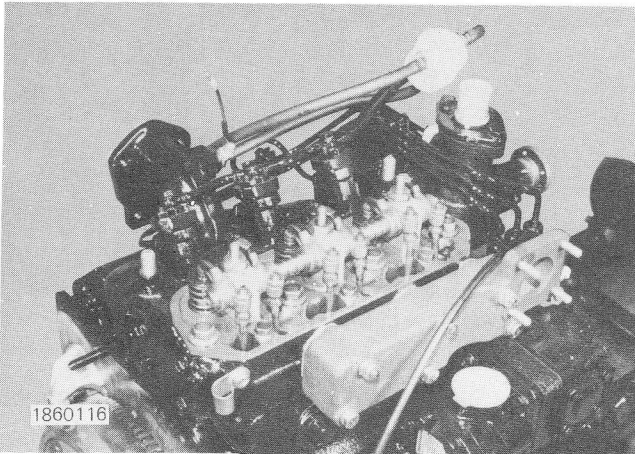
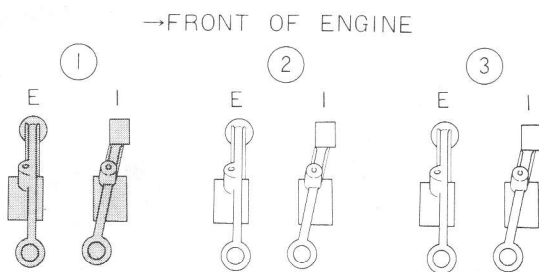


Fig. 33 – Removing Rocker Arm Cover.

1. Disconnect decompression linkage.
2. Remove thermo-start reservoir support cap screws.
3. Remove expansion tank bracket cap screws.
4. Remove cylinder head cover cap screws, and remove cylinder head cover.
5. Crank engine until No. 1 cylinder is at TDC of its compression stroke. Both valves should be in the up position (rocker arms loose).



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Fig. 34 – No. 1 Cylinder Rocker Arms

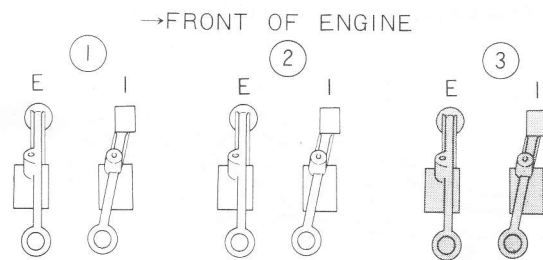
6. Check the intake and exhaust valve clearances of the No. 1 cylinder (Fig. 34). **No. 1 CYLINDER IS AT REAR OF ENGINE.**

Adjust to the following specifications.

INTAKE AND EXHAUST VALVE CLEARANCE SPECIFICATIONS

..... 0.008 in. (0.2mm)

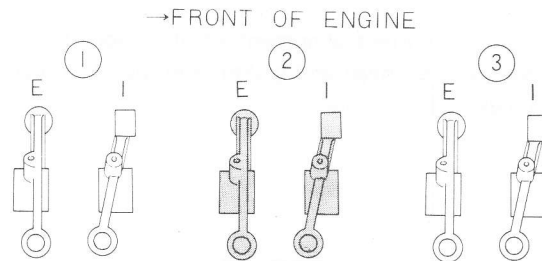
7. Turn the crankshaft clockwise 240° to align the TDC mark of the No. 3 cylinder.



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Fig. 35 – No. 3 Cylinder Rocker Arms

8. Check the valve clearance of the intake and exhaust valves of the No. 3 cylinder (Fig. 35), and adjust to proper specification.
9. Turn the crankshaft another 240° clockwise to align the TDC mark of the No. 2 cylinder.



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Fig. 36 – No. 2 Cylinder Rocker Arms

10. Check the valve clearance of the intake and exhaust valves of the No. 2 cylinder (Fig. 36), and adjust to proper specification.

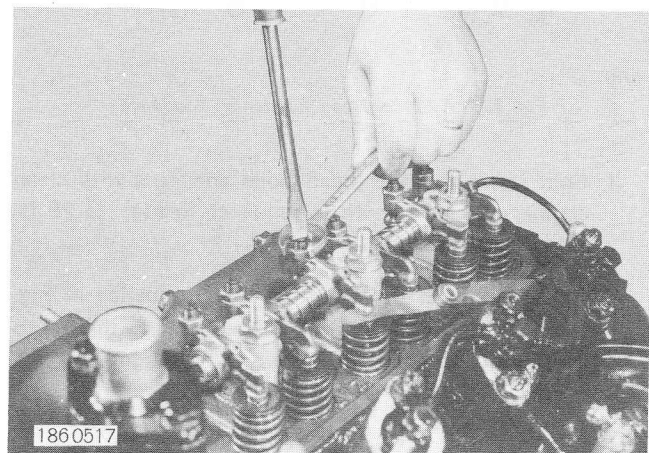


Fig. 37 – Adjusting valve clearance