

## V Engine Valve Clearance Adjustment Procedure

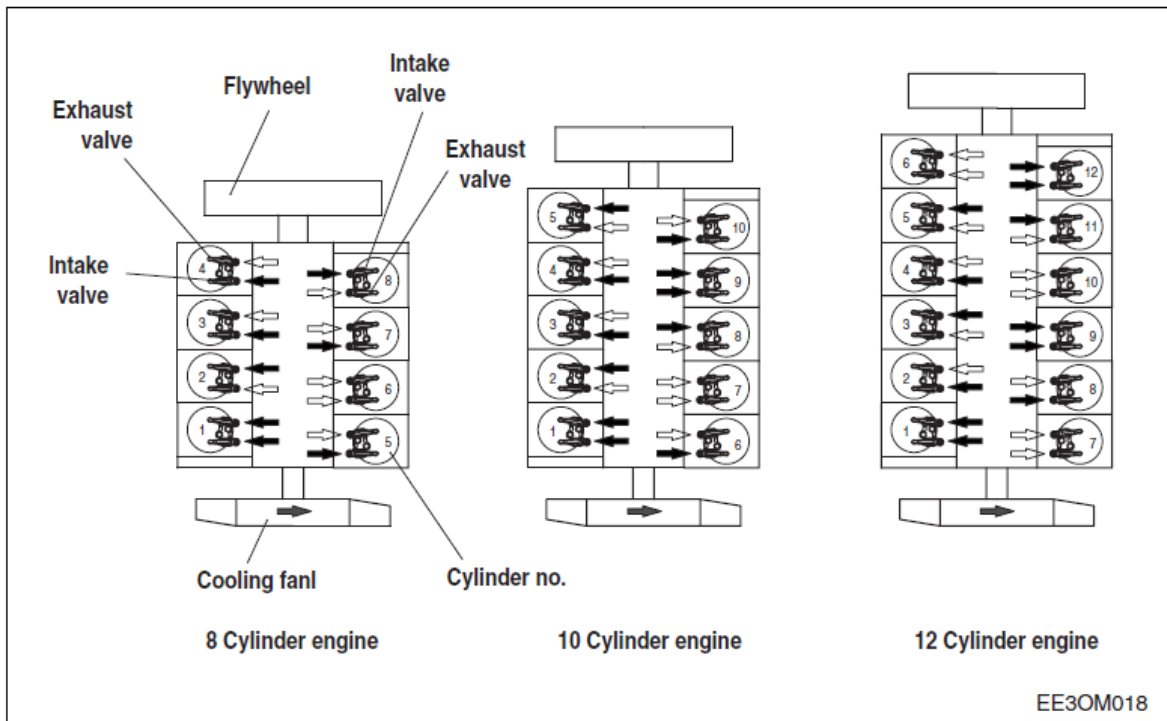
### Valve Clearances (Cold):

14L, 18L, and 22L Intake Valve Clearance      .012in. (.3mm)

14L, 18L, and 22L Exhaust Valve Clearance    .016in. (.4mm)

1. Disconnect batteries.
2. Remove valve covers.
3. Loosen all valve adjustment locknuts.
4. Bar engine until cylinder one valves overlap.
5. Adjust valves indicated by white arrows on the chart below.
6. Rotate engine until cylinder six (14L and 22L engines) or cylinder seven (18L engines) is in overlap.
7. Adjust remaining valves indicated by black arrows on the chart below.
8. Verify locknut tightness on all valves.
9. Install valve covers.

- No. 1 Cylinder is located at the side where cooling water pump was installed.



## In-Line Engine Valve Clearance Adjustment Procedure

Valve Clearances (Cold):

8L Intake and Exhaust .012in. (.3mm)

11L Intake and Exhaust .016in. (.4mm)

1. Disconnect batteries.
2. Remove valve covers.
3. Loosen all valve adjustment locknuts.
4. Bar engine until cylinder six valves overlap. This places the engine at top dead center cylinder number one.
5. Adjust valves indicated by white arrows on the chart below.
6. Rotate engine 360 degrees, cylinder one valves should be in overlap.
7. Adjust remaining valves indicated by red arrows on the chart below.
8. Verify locknut tightness on all valves.
9. Install valve covers.

- No. 1 Cylinder is located at the side where flywheel was installed.

