

Procedure for checking and adjusting valve clearances

Print, laminate and cut up the steps for an activity to try and get the steps in order

Consult manufacturers specifications for recommended valve clearances and select the appropriate feeler gauges

If required by the manufacturer, operate the engine until normal operating temperature is achieved

Remove the rocker cover and any other components as necessary

Rotate the crankshaft until the number 1 piston is at top dead centre and is at the end of the compression stroke

Check the number one cylinder inlet and exhaust valve clearances with the feeler gauge to determine need for adjustment

If adjustment is required, loosen the adjusting locking nut. Insert feeler gauge between the rocker arm and valve or cam-lobe, rotate until a firm drag on feeler gauge is felt. Secure valve adjusting locking nut

Recheck the feeler blade drag and readjust if required

Repeat steps 4-7 for each cylinder in the firing order

**Replace the rocker cover and components that were removed.
Run the engine to operating temperature and check for oil leaks
and abnormal valve noise**