

# GENERAL PROCEDURES

## VALVE CLEARANCE CHECK

### General Procedure

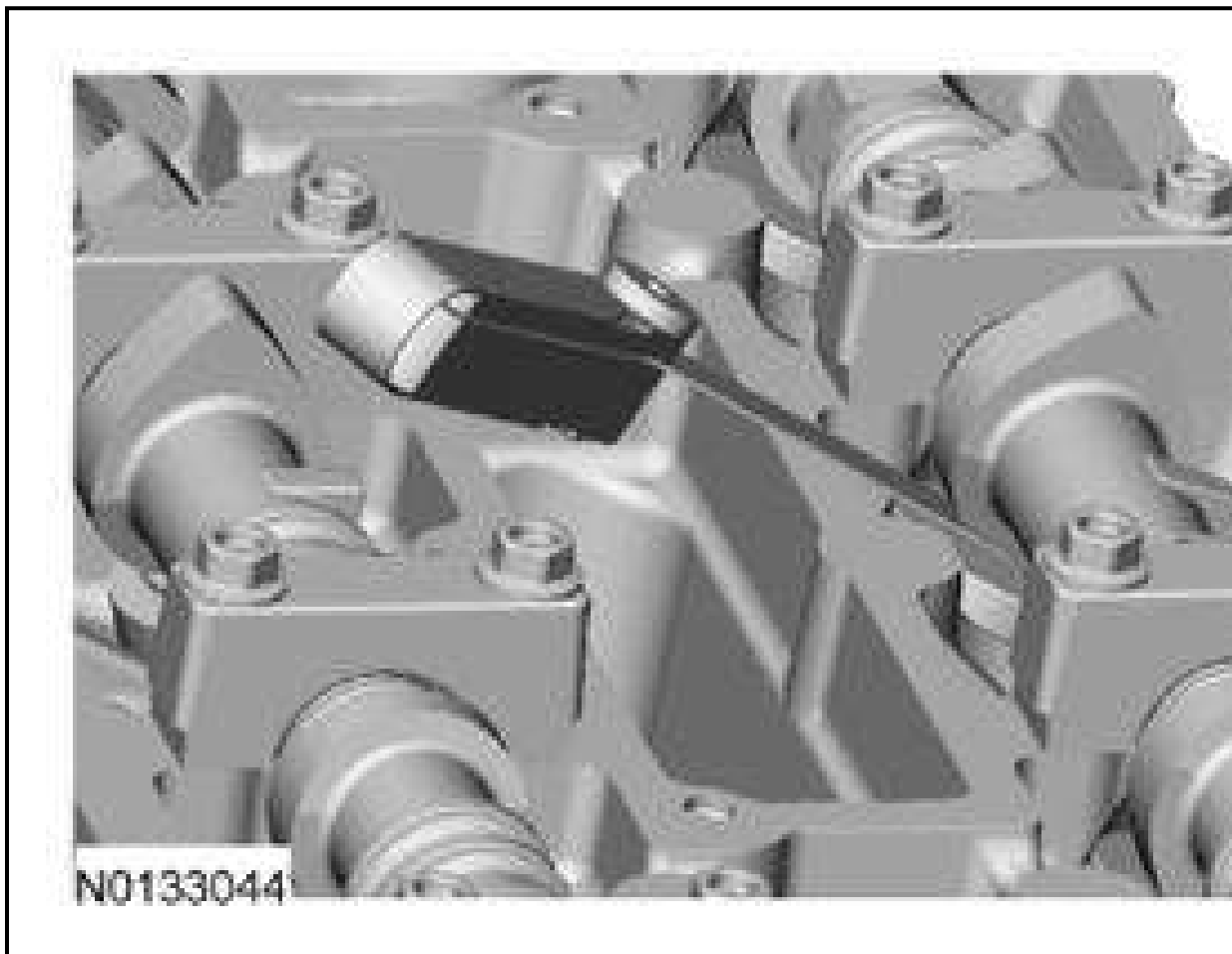
1. Remove the valve covers. Refer to VALVE COVER - LH and Refer to VALVE COVER - RH.

**NOTE:** Engine must be at room temperature before measuring. The valve clearance must be measured with the camshaft at base circle. The engine will have to be rotated with the crankshaft pulley bolt to bring each valve to base circle.

2.

Use a feeler gauge to measure the clearance of each valve and record its location. A midrange clearance is the most desirable:

- Intake: 0.15 mm (0.0059 in) - 0.25 mm (0.0098 in)
- Exhaust: 0.36 mm (0.0142 in) - 0.46 mm (0.0181 in)



**NOTE:** The number on the valve tappet reflects the thickness of the valve tappet. For example, a tappet with the number 3.310 has the thickness of 3.31 mm (0.1303 in).

3.

If any of the valve clearances are out of specification, select new tappets using this formula: tappet thickness = measured clearance + the base tappet thickness - most desirable thickness. Select the tappets and mark the installation location.

4. If required, install the new selected valve tappets in the marked locations. Refer to **VALVE TAPPETS**.