

1	145-5191 Gauge Support
1	147-2056 Dial Indicator
1	147-5536 Indicator Contact Point
1	147-2057 Indicator Contact Point
1	147-2058 Indicator Extension
1	147-5537 Dial Indicator (Not Shown)

Note: The **145-5191** Gauge Support (4), the **147-2057** Indicator Contact Point (7), the **147-2058** Indicator Extension (8), and the **147-5536** Indicator Contact Point (6) are included in the **147-5482** Valve Lash Gauge Group.

Note: The **147-2056** Dial Indicator or the **147-5537** Dial Indicator (Metric, not shown) can be used with the **147-5482** Valve Lash Gauge Group.

Valve Lash Adjust Preparation

1. Ensure that the number 1 piston is at the top center position. Refer to Testing and Adjusting , "Finding the Top Center Position for the No. 1 Piston".
2. The number 1 piston must be at the top center position of the correct stroke. Adjust the valves according to the chart: Refer to Testing and Adjusting, "Crankshaft Positions for Fuel Injector Adjustment and Valve Lash Setting".

Note: Tap each rocker arm on the top of the adjustment screw before you make any adjustments. Use a soft hammer. Make sure that the lifter roller is seated against the base circle of the camshaft.

Valve Lash Check and Adjust

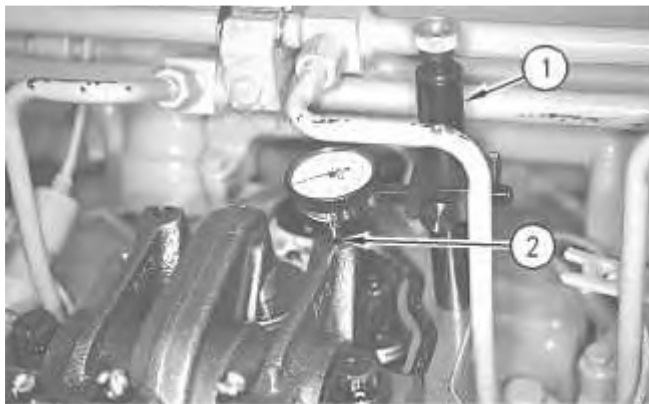


Illustration 1

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- (1) **145-5191** Gauge Support
- (2) **147-2057** Indicator Contact Point

1. Install the **145-5191** Gauge Support (1). Use the **147-2056** Dial Indicator or use the **147-5537** Dial Indicator. Use the **147-2057** Indicator Contact Point (2). Install the tool in the rear bolt hole. The rear bolt hole is located on the valve cover base.



Illustration 2

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- (3) **147-2060** Wrench
- (4) **147-2059** Torque Wrench

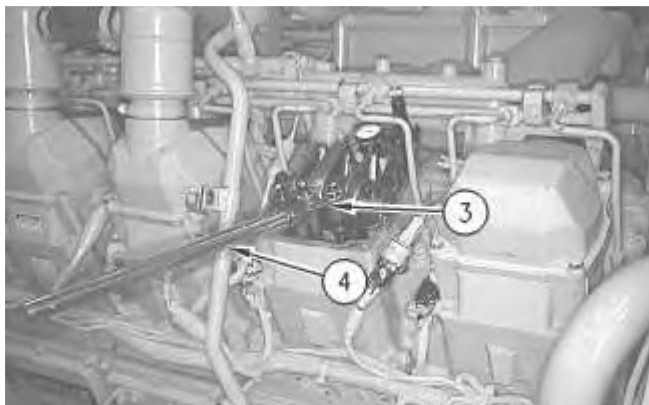


Illustration 3

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- (3) **147-2060** Wrench
- (4) **147-2059** Torque Wrench

2. Move the rocker assembly upward and move the rocker arm assembly downward. Move the rocker assembly several times. The oil film is removed in order to get a true zero reading on the dial indicator. Use the **147-2060** Wrench (3) and use the **147-2059** Torque Wrench (4). Install the socket wrench and install the torque wrench on the nut of the rocker arm. Apply upward pressure to the front of the rocker assembly. Set the dial indicator to zero. The weight of the torque wrench (4) allows the valve lash to be read. Do not apply any pressure on the torque wrench.