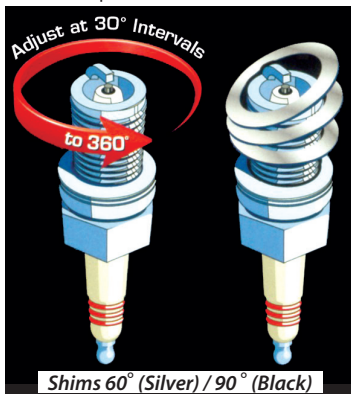




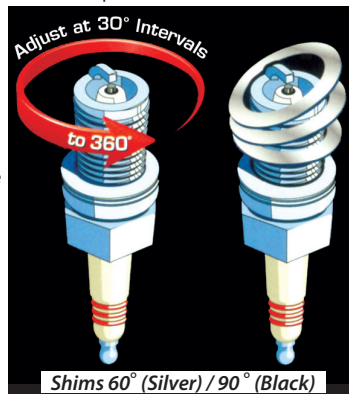
**Spark Plug Index Shims - Installation Instructions:**  
(Shims are intended for 14mm flat seat spark plugs only)

- Inspect all spark plugs for any damage such as cracked/broken porcelain.
- Gap each spark plug to desired specifications.
- Compress factory washer to a minimum of 30 ft. lbs. of torque. Be careful not to compress further once shims have been added and spark plug is installed in cylinder head. (An indexing nut or a steel block with proper threads works well for this saving wear and tear on cylinder head threads.
- Mark ground location on surface of white porcelain with a black marker.
- Thread spark plug into cylinder head, tighten to manufacturer's specs. If manufacturer's specs are unknown, 20 ft. lbs. of torque is recommended.
- Line up the arrow on dial chart in same direction as the spark plug ground mark to determine shims needed to position the ground at desired angle.
- Thread required shims onto spark plug and install.
- Tighten spark plug to same manufacturer's specs determined in above step.



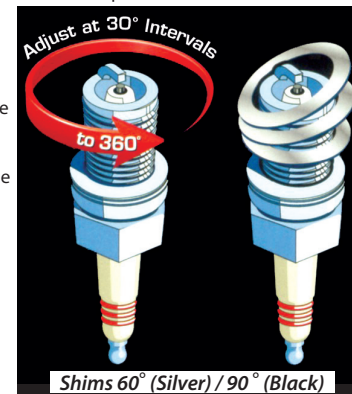
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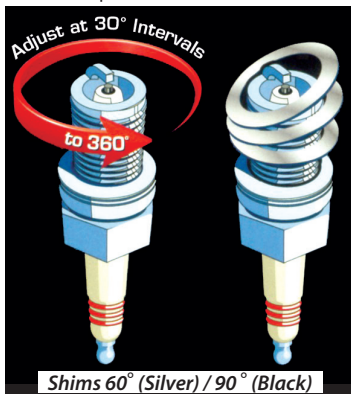
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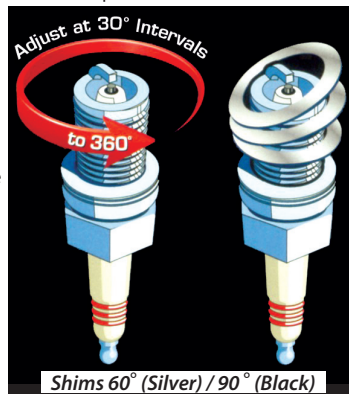
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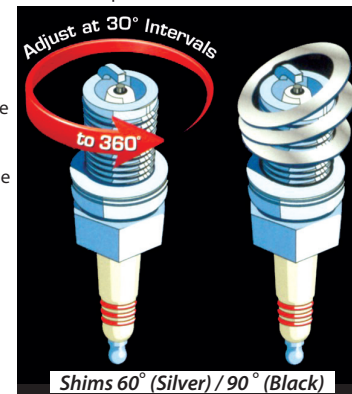
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**Line Up Ground Mark**

Diagram illustrating the layout of a circular ground mark, divided into 12 radial sections. The central area is labeled "Line Up Ground Mark". The outer ring is red, and the inner circle is black. The diagram shows the placement of shims (Silver Shims 60° and Black Shims 90°) around the ground mark.

Radial sections and distances (feet and inches):

- 0°: 3-90, 1-60
- 30°: 2-90, 2-60
- 60°: 1-90, 1-60
- 90°: 1-90
- 120°: 2-60
- 150°: 1-90, 1-60
- 180°: 2-90
- 210°: 1-90, 2-60
- 240°: 2-90, 1-60
- 270°: 3-90
- 300°: 2-90, 2-60
- 330°: 3-90, 1-60

Legend:

- Silver Shims 60°
- Black Shims 90°

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