



## SPEC ENGINE TECHNICAL NEWS BULLETIN

April 20, 2009

### Valve Maintenance (Valve Job)

The following procedures and specifications must be followed when performing valve maintenance (valve Job) on the Spec Engine. No modifications or deviations from the procedures or specifications will be permitted.

- There are two approved methods of valve seat maintenance for the Spec Engine.
  - (1) The use of a dedicated carbide cutting tool insert for the intake and exhaust valve seats are available only through Wegner Automotive.

#### Intake

Part number: WAR-IC-6527

#### Exhaust

Part number: WAR-EC-6528

- (2) The programming and application of the supplied coordinates for use with the NEWEN Contour EPOC style machine using a single point cutter are available only through Wegner Automotive.
- The Valves can **not** be serviced and must be replaced.
    - The forged titanium valves utilize a Chrome Nitride coating and are not serviceable (including grinding of the valve face).
  - Valve guide service must be performed by Wegner Automotive. An additional encryption must be placed on the cylinder head reflecting any and all service work being done to the cylinder head.
  - Valve Springs are to be installed at 1.800 inches with an approximate seat pressure of 130 lbs.
  - The combustion chamber volume is to be at 64cc's for compression correction after the valve maintenance (valve job) has been completed.
  - Valve seat replacement can only be completed by Wegner Automotive.

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