

### INJECTOR ENCODING

The GB 717-502 injector used on the 2004-2006 Sprinter Van is marked with a six digit alphanumeric code that must be entered into the ECM using a scan tool. The encoding refers to the injectors flow and operating characteristics and is unique to each injector. The ECM uses this code to adjust baseline fuel delivery for each injector and cylinder. It is mandatory to enter the injector's code to achieve proper engine performance. When a GB 717-502 injector is installed, the original code located at the top of the injector stator is no longer used. This is replaced with a new code on the side of the stator, such as "CB8K25" (**SEE FIGURE 1**)



### INJECTOR CODING PROCEDURE

1. Turn ignition switch ON.
2. Using a DRB III® select ENGINE then MISCELLANEOUS.
3. Select LEARN INJECTORS.
4. Using the up and down arrows, scroll to the appropriate injector.
5. Using the right and left arrows, set the injector to proper code.
6. Once injectors are coded, cycle ignition to complete.

### HOLD-DOWN BOLT AND TORQUE

The injector hold-down stretch bolt is not reusable and requires replacement anytime the injector is removed. Replace the old hold-down bolt with the included bolt. Ensure the injector is torqued to manufacturer's specification: 62 lbs. in. then 90° of rotation.

### ANTI-SEIZE COMPOUND

In order to aid in future injector removal the outside body of the replacement injector should be coated with the included anti-seize compound. Avoid applying anti-seize compound to the injector tip or copper washer area.

### COPPER GASKET (FIGURE 2)

When replacing the injector the copper combustion seal must be replaced and is included with GB's remanufactured injector. In most cases the copper combustion seal will remain on the old injector when removed. Verify the copper seal is present on the injector being replaced, if it is not, inspect the injector bore for the seal and remove as necessary. Inspect the injector bore for damage, contamination and or corrosion. Correct any defects with the injector bore prior to installing the new injector.



**NOTICE:** Failure to replace the copper seal and properly torque the injector will result in injector failure and may cause severe engine damage. Failure as a result of these conditions is NOT covered by GB's limited warranty.

## FUEL FILTER REPLACEMENT REQUIRED - IMPORTANT WARRANTY INFORMATION

GB Remanufacturing Inc. will not warranty injectors returned as defects that fail as a result of contamination, poor fuel quality or improper installation techniques. In all cases, proof of fuel filter replacement is required at the time of injector installation for any warranty consideration.

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