



THE PREPARATION

During removal of both Silicone and Paper BGA Gaskets please ensure the correct cleaners are applied and no contaminants enter the engine.

THE PROCESS

The following instructions should be adhered to when removing paper or Silicone Gaskets:

1. Use a sharp, flat scraper.
2. Operate the blade at a 30° angle.
3. This will prevent damage to the sealing surface.
4. Care must always be taken not to damage the mating surfaces.

GASKET REMOVAL

General Advice



Silicone Sealing Compound



Paper Gasket



THE PREPARATION

- The Cylinder Head and Block must be free from damage and have the correct surface finish. When re-machining is required, provide the engineer with the data sheet to identify the correct surface finish value.
- If the engine has wet liners, check the manufacturer's specification for piston protrusion and ensure the correct BGA Cylinder Head Gasket is being used.
- Clean the Cylinder Head Block and Bolt holes. Cover the bores and holes with tape to prevent further contamination.
- Clean the mating surfaces and remove tape prior to fitment of the BGA Gasket.
- Test fit the BGA Gasket to check for correct application.
- Replace dowel pins if they are damaged or have been supplied and ensure they are correctly located into the Cylinder Head.
- Use a degree gauge during the torquing process.
- Apply a thin coating of engine oil just below the head of the Bolt to reduce friction.
- A **MLS Gasket/ SLS** only require positive torquing, this is due to the material being spring steel.
- A **Fibre Gasket** requires an unloading of pressure to allow the resins within to adhere to the mating surfaces.

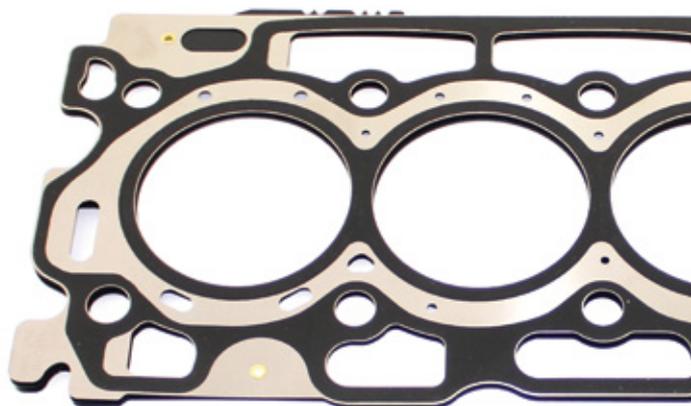
THE INSTALLATION

1. Re-assemble the engine by inserting the new BGA Cylinder Head Gasket and Bolts.
2. At this point, Bolts are to be finger tight only.
3. Use a torque wrench to ensure accurate preloading settings.
4. Start the torque sequences stated by the manufacturer.
5. Be sure to flush out and replace the Cooling system, engine oil and filter to ensure all contaminants are removed from the engine prior to starting.
6. Run the engine and monitor oil pressure and coolant temperatures.
7. Check regularly for leaks around the repaired area.

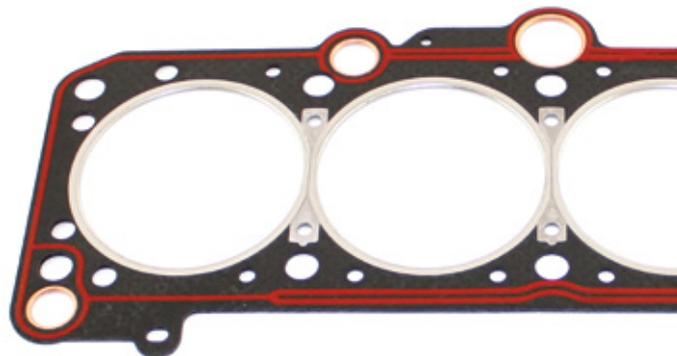
 **STRETCH BOLTS MUST BE REPLACED AND NEVER REUSED.**

GASKET INSTALLATION

General advice



Multi Layered Steel Gasket



Fibre Gasket



Single Layered Steel Gasket



BGA products are to be replaced by an experienced automotive installer. This information is to be used as reference only. Always seek manufacturer specification.