

The Elan Factory – Product Data Sheet



Lotus Esprit Turbo water pump (Lotus part number B912E9021J)

**Is your Esprit water pump tired and beginning to develop a slight leak from the weep hole?
Do you have to top up the cooling system more frequently than you should?
Are you looking for a new or replacement water pump before the existing unit fails altogether?
Then look no further, as we can rebuild your original pump better than new and for a fraction of the cost for a genuine replacement pump.**

Unfortunately, there is no water pump overhaul kit available from the Lotus Factory. Therefore Lotus Esprit owners are normally faced with the prospect of purchasing an expensive replacement pump. However in the Workshop Manual (Service Notes) there are details of the recommended clearances between the impellor and water pump housing. This information provides the necessary insight that allows The Elan Factory to offer an exchange or overhaul pump service.

Existing pumps are carefully dismantled and bead-blasted prior to a visual inspection to check for corrosion/serviceability. The majority of pumps can be rebuilt without having to carry out any corrosion remedial work. It is now possible to offer refurbished pumps that include a ceramic thrust washer that significantly extends the service life. This ceramic washer allows the mechanical seal to run on non-metallic/non abrasive surface. This is in sharp contrast to the standard pump where the mechanical seal runs directly on the cast iron thrust face of the impellor. In the event of the cooling system being drained and left empty for some extended period, the cast iron thrust face rusts and becomes very abrasive. As soon as the engine and cooling system are returned to service, the rusty face soon destroys the seal causing the pump to fail. Installing a ceramic washer eliminates this problem and is a part of our standard refurbishment program.

After the water pump is reassembled, it is then tested to a pressure of 50psi. This guarantees that when the pump is re-installed, it does not leak. All refurbished pumps are supplied with a new bearing, mechanical seal, ceramic thrust washer plus a 12 month warranty.



Note: In addition to the bearings and seals, we stock a range of new impellors and drive flanges which make it possible to rebuild other Lotus or Jensen Healey water pumps. Please call for details and pricing.

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