



# 12

## Cylinder head assembly

### General description

The four cylinder heads, which are all the same, are made from high quality cast iron and are retained by bolts or by studs on early engines. They are machined on the top and bottom faces for the rocker box and the cylinder head gaskets respectively. Joint faces are machined on the inner and outer sides for the induction and the exhaust manifolds. There are passages for coolant in the cylinder head around the valve guides and the pockets for the fuel injectors.

The valve guides (A6) are made from an alloy of high quality nickel chromium and are a press fit in the cylinder head. The valve seat inserts (A7) are cooled and pressed into recesses which are machined in the cylinder heads.

*Continued*



# Perkins 3012 Engine Parts Manual

**Victor M. Corman**



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