

LISTER ENGINE IDENTIFICATION – 2 & 3 cylinder ‘H’ RANGE

Production of the ‘H’ range of Lister engines commenced in 1958 starting with the ‘HA’ (1800rpm) and shortly afterwards the ‘HB’ which was similar but uprated to 2000rpm. In 1963 a water-cooled version was introduced which provided a lower cost alternative to the ‘Freedom’ range and these were known as ‘HW’ engines. In 1968/69 the range underwent significant internal redesign including increasing journal, bore & valve sizes and alterations to fuel pumps & injectors and this resulted in the ‘HR’ engines & the water-cooled version the ‘HRW’

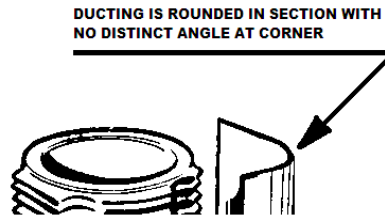
In the absence of an engine identification plate, although the engines appear virtually identical and there are many interchangeable parts, the following readily visible characteristics will help in identification.

Removal of cylinder head cover or fuel pump housing door should be the only dismantling required.

AIR COOLED ENGINES

HA & HB engines: Fuel injection pumps have 7.5mm element – pump no: FAOANA75P6659
Inlet manifold normally cast iron, lower part of cylinder head cast iron
Filler caps normally early pattern – cast with Lister scroll

Air ducting, visible at non-flywheel end of engine, follows profile of cylinder which is curved.

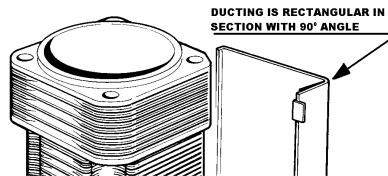


HA engines: Double valve springs fitted
(1800rpm) Flywheel fan bolted to flywheel

HB engines: As HA but with single valve springs
(2000rpm) Flywheel fan integral with flywheel

HR engines Fuel injection pumps have 8mm element – pump no: FAOABO80P0454
Inlet manifold aluminium, lower part of cylinder head aluminium.

Air ducting, visible at non-flywheel end of engine, follows profile of cylinder which is rectangular.



WATER COOLED ENGINES

The easiest way to confirm identity of these engines is to remove the fuel pump housing door and identify the fuel injection pumps – viz:

HW Fuel injection pumps have 7.5mm element – pump no: FAOANA75P6659
HRW Fuel injection pumps have 8mm element – pump no: FAOABO80P0454

In case of doubt, contact:

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