

Valves Open

1 Exhaust and 6 Inlet	...	...
3 Inlet and 8 Exhaust	...	...
2 Inlet and 4 Exhaust	...	...
5 Exhaust and 7 Inlet	...	...

Adjust

3 Inlet and 8 Exhaust	...	...
1 Exhaust and 6 Inlet	...	...
5 Exhaust and 7 Inlet	...	...
2 Inlet and 4 Exhaust	...	...



Fig. 4.

sure all clearances are set correctly refit the valve cover, and with the engine running examine for any oil leaks.

Note. Care should be taken when removing the valve cover as the gasket can easily become damaged.

To check the clearance insert the appropriate feeler blade, item 4, as shown in Fig. 6. If the clearance is not correct, with a spanner, move the adjusting screw, item 1, until it is just possible to insert the feeler blade.

W.B. Use only ring spanner, not open-ended.

Finally having made



Fig. 5.

sure that the bowl is seating correctly on the sealing ring prior to finally tightening the clamp nut.

A hand priming lever is provided at the base of the pump body to enable the filter to be primed when required.

FUEL PUMP

Occasionally remove and clean the filter screen using diesel fuel or paraffin. At the same time clean out any sediment which may have collected in the pump body. This is reached by first unscrewing the clamp nut and detaching the metal bowl, Fig. 5, item 1.

On reassembly care should be taken to en-

INJECTORS

See page 6 of C.A.V. Injector Instruction Manual.

O.P.A. PUMP

See C.A.V. Book for detail and information. Pump timing, see page 11 of Pump Instruction Manual.

IMPORTANT. The Servicing of fuel injection equipment requires specialised equipment and such work should only be carried out by C.A.V. Agents or authorised representatives.

STARTER MOTOR

No servicing is required on this component.

If the starter motor refuses to turn the engine when the starter key is turned, or the starter motor spins but does not turn the engine, removal of the domed cap situated on the adaptor housing will allow access to the gear which can then be given a sharp tap using a brass drift, or if not available a screwdriver. This should then free the pinion. Alternatively it may also be freed by turning the squared end at the forward end of the starter motor using a wrench or suitable spanner. Some starter motors have a metal cover protecting the squared end of the armature shaft, this should be removed by gently tapping sideways.

It may be that dirt or corrosion is preventing the pinion gear sliding along the Bendix drive. In this case clean and lightly oil, making sure the pinion gear slides freely. If trouble persists have the motor checked.

It should be noted that failure to turn the engine can be caused by a battery which is in a low state of charge.

The starter motor should not be run for continuous periods of more than 15 seconds as this will cause overheating. If the engine does not start within this period lack of fuel at the injectors is almost certainly the cause and venting should be carried out.

WARNING. When any maintenance or repair is carried out involving electrical equipment it is advisable to disconnect the battery.

STARTER SOLENOID

This is fitted to the starter motor and pre-engages the gear.

ALTERNATOR

No maintenance is required, bearings being of the "sealed for life" type.

Watermota Sea Panther Mkii Mk2 Service Manual

W. C. HAYCRAFT



Watermota Sea Panther Mkii Mk2 Service Manual:

SERVICE AND MAINTENANCE MANUAL FOR THE PANTHER 100 1938-1957 W. C. HAYCRAFT,2009

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