

- Start the engine and run it at the r.p.m. given in the "Specifications". Sight the Stroboscope on the graduation marking on the flywheel damper. Slacken the distributor and turn it until the firing position is the same as that given in the "Specifications". Securely tighten the distributor and make sure that the firing position and speed have not altered. Remove the Stroboscope and refit the hoses on the vacuum regulator (AQ165).

Ignition leads and spark plugs

The ignition leads have been specially made for marine use. Leads with embedded resistance should not be used. When replacing a spark plug, see the "Specifications".

Wiring diagram: Engine

Ignition coil and advance engaging resistor (AQ165, AQ170)

The ignition coil and advance engaging resistor are fitted on the engine body, see Fig. G1. The function of the advance engaging resistor is to protect the ignition coil from damage by heating, if the ignition coil is cut in and the engine is not running. In order to raise the ignition voltage at the moment starting takes place, the advance engaging resistor is by-passed when the starter motor is engaged. The ignition coil is actuated directly by the battery voltage via a contact on the starter motor, see wiring diagram. The advance engaging resistor has a resistance of 0.9 ohm.

Fusing

To avoid damage to the electrical system through overloading, there is an easily accessible main fuse, see Fig. H1, with reserve fuse wire wound round it.

Cable markings

Mark	Colour	sq. mm	AWG
A	Ivory	6	9
B	Black	1.5	15
B'	Black	0.6	19
B ⁺	Black	35	1
C	Red	6	9
C ⁺	Red	35	1
C ⁺⁺	Red	4	11
C''	Red	0.6	19
D	Green	1.5	15
D ⁺	Green	0.6	19
E	Grey	1.5	15
F	Yellow	1.5	15
G	Brown	1.5	15
H	Blue	1.5	15
H'	Blue	4	11

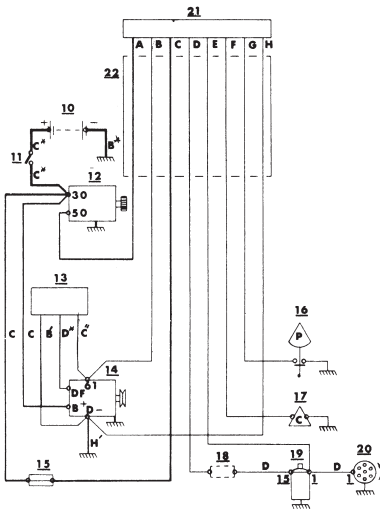


Fig. H7. 4-cyl. and 6-cyl. engines with alternator

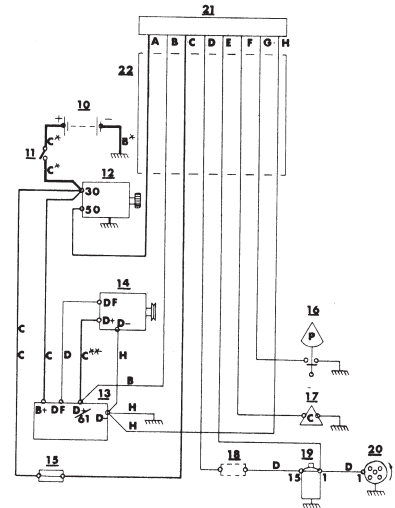


Fig. H8. 4-cyl. engine with D. C. generator

Legend for Fig. H7, H8 and H9

- Key switch with starter contact
- Instrument lighting switch
- Temperature gauge
- Warning lamp for "low oil pressure"
- Revolution counter
- Charging control lamp
- Extra switch
- Connection terminal
- Cable harness
- Battery
- Master switch

Legend for Fig. H7, H8 and H9

- Starter motor
- Charging regulator
- Alternator (or D.C. generator)
- Fuse
- Oil pressure sender
- Temperature sender
- Advance engaging resistor
- Ignition coil
- Distributor
- Connector
- Cable harness

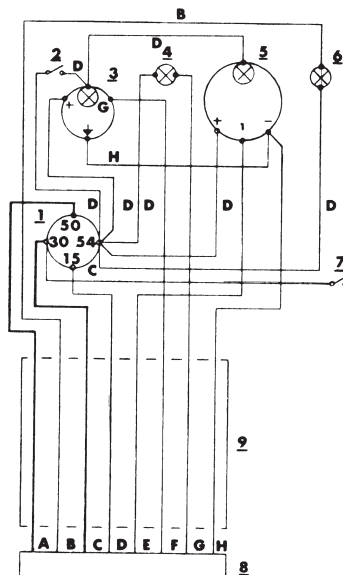


Fig. H9. Instrument panel (all engines)