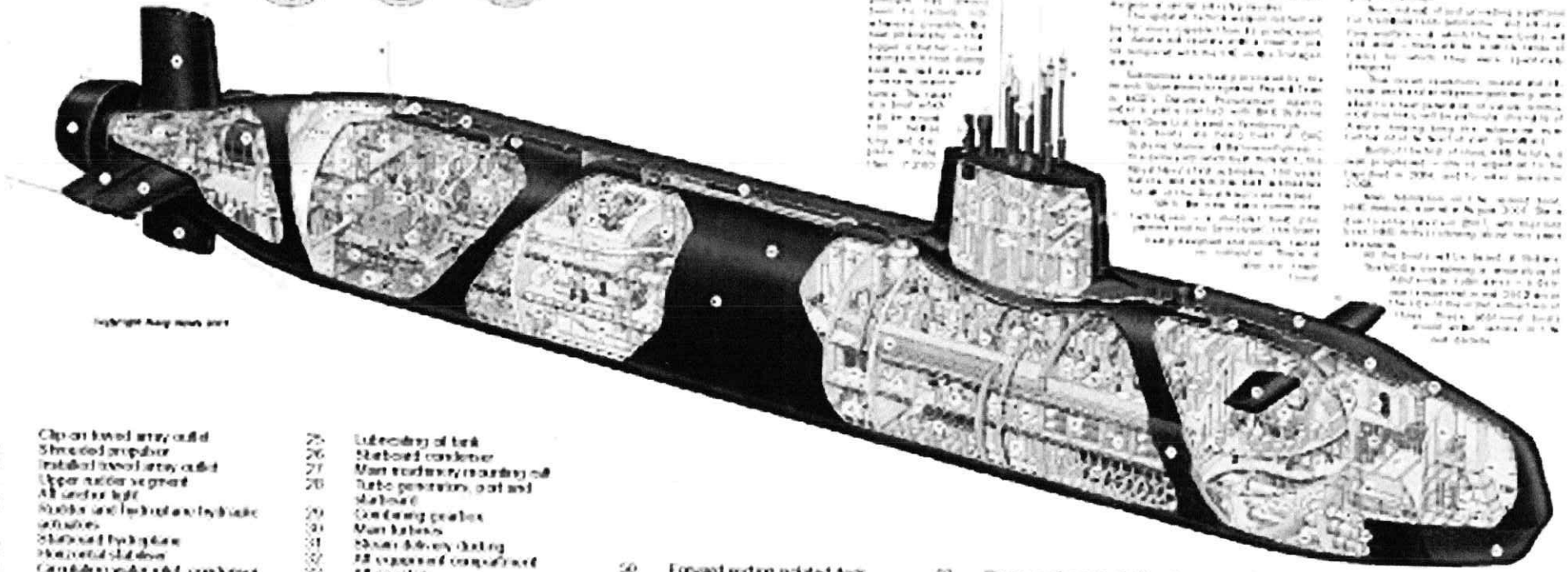
INSIDE THE ASTUTE

The Astute-class fleet submarine



Navy News

1 Clip-on towed array outlet
2 Shrouded propeller
3 Installed towed array outlet
4 Upper section segment
5 Aft sector light
6 Stabiliser and hydroplane hydraulic actuators
7 Stabilised hydroplane
8 Hydroplane slideway
9 Controllable water ballast condenser cooling
10 Lower section segment
11 Port main ballast tank
12 Propeller shaft
13 High pressure air bottles
14 Port main ballast tank
15 Towed array outlet (port and starboard)
16 Main ballast vent system
17 Aft pressure dome
18 Emergency shaft
19 Hinged ballast
20 Hinged ballasts
21 Air breathing masts
22 Diesel stores
23 Propeller shaft thrust block and bearing
24 Controllable water transfer pipes
25 Lubricating oil tank
26 Starboard condenser
27 Main machinery mounting raft
28 Turbo generators, port and starboard
29 Gearbox gearbox
30 Main bulkhead
31 Steam delivery piping
32 Aft equipment compartment
33 Aft corridor
34 Watertight bulkhead, hinged
35 Manoeuvring room doorway
36 Manoeuvring room watertight hatch mounting
37 Switch room
38 Diesel generator room
39 Stabiliser rams/fins
40 Main steam valve
41 Hinged bulkhead
42 Part of pressure hull
43 Rudder section
44 Forward bulkhead
45 Combustion fusion
46 Conditioned air duct
47 Air handling equipment
48 Waste management equipment
49 Batteries
50 Forward section watertight hatch mountings
51 Galley
52 Junior ratings' mess
53 Office
54 Commanding Officer's cabin
55 Mast hydraulic actuators
56 Diesel exhaust
57 Snort induction mast
58 Communication masts
59 Radar antenna
60 Optronic mast
61 Sonar dome
62 Combing tower access
63 Electronic communications office
64 Control room consoles
65 Junior ratings' bathroom
66 Senior ratings' bathroom
67 Military weld room
68 Weapons stowage and handling compartment
69 Senior ratings' bunks
70 Medical berth
71 Sonar array
72 Sonar operators' consoles
73 Maintenance workshop
74 Sonar equipment room
75 Deck sonar
76 Forward hinged capstan
77 Hinged bulkheads
78 Forward hydroplanes
79 Hydroplane hydraulic actuator
80 Hydroplane hinge mounting
81 Ship's office
82 Junior ratings' berths
83 Torpedo tubes
84 Diesel transfer tank
85 Torpedo tube bow caps
86 Air breathing pump
87 No 2 main ballast tank
88 High pressure air bottles
89 Forward pressure dome
90 Weapons embarkation hatch
91 Hinged casing plates
92 Gearing craft stowage
93 Hinged bulkhead
94 Aft sonar windows
95 No 1 main ballast tank
96 Aft sonar cable holder
97 Bow stores

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