

SUN  ODYSSEY 42

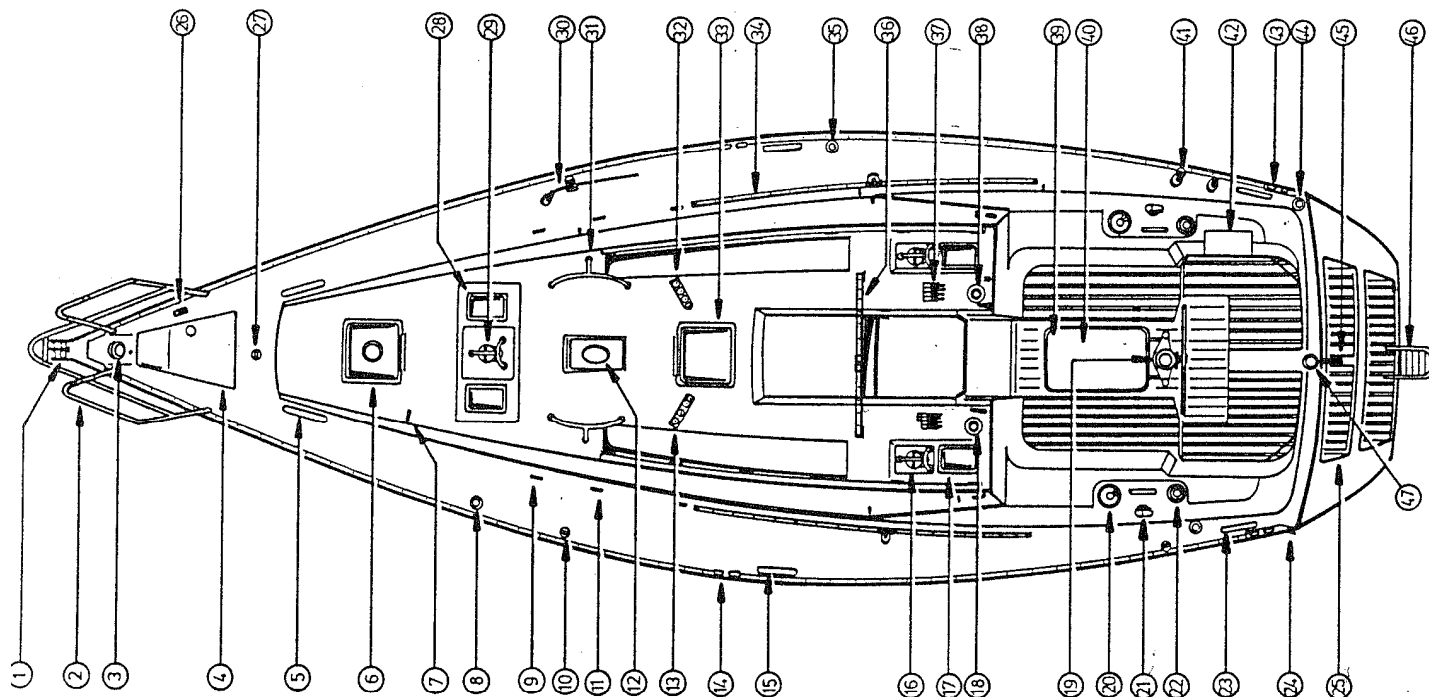
INSTRUCTIONS AND MAINTENANCE MANUAL

SPECIFICATIONS

Length over all	L.O.A.	: 12m50 (41')
Hull length	L.H.	: 11m99 (39'4")
Length on waterline	L.W.L.	: 10m15 (33'3 1/2")
Maximum beam		: 4m05 (13'3 1/2")
F/K draught		: 1m65 (5'5")
F/K light displacement		: 9800 kgs (21605 lbs approx.)
F/K ballast weight		: 3350 kgs (7385 lbs approx.)
Sleeping accommodation		: 10 berths
Cabins		: 4
Homologation		: Class 1
Tonnage		: 16.81 register tons
French Merchant Navy Appr.	N.	: 2946

DECK FITTINGS

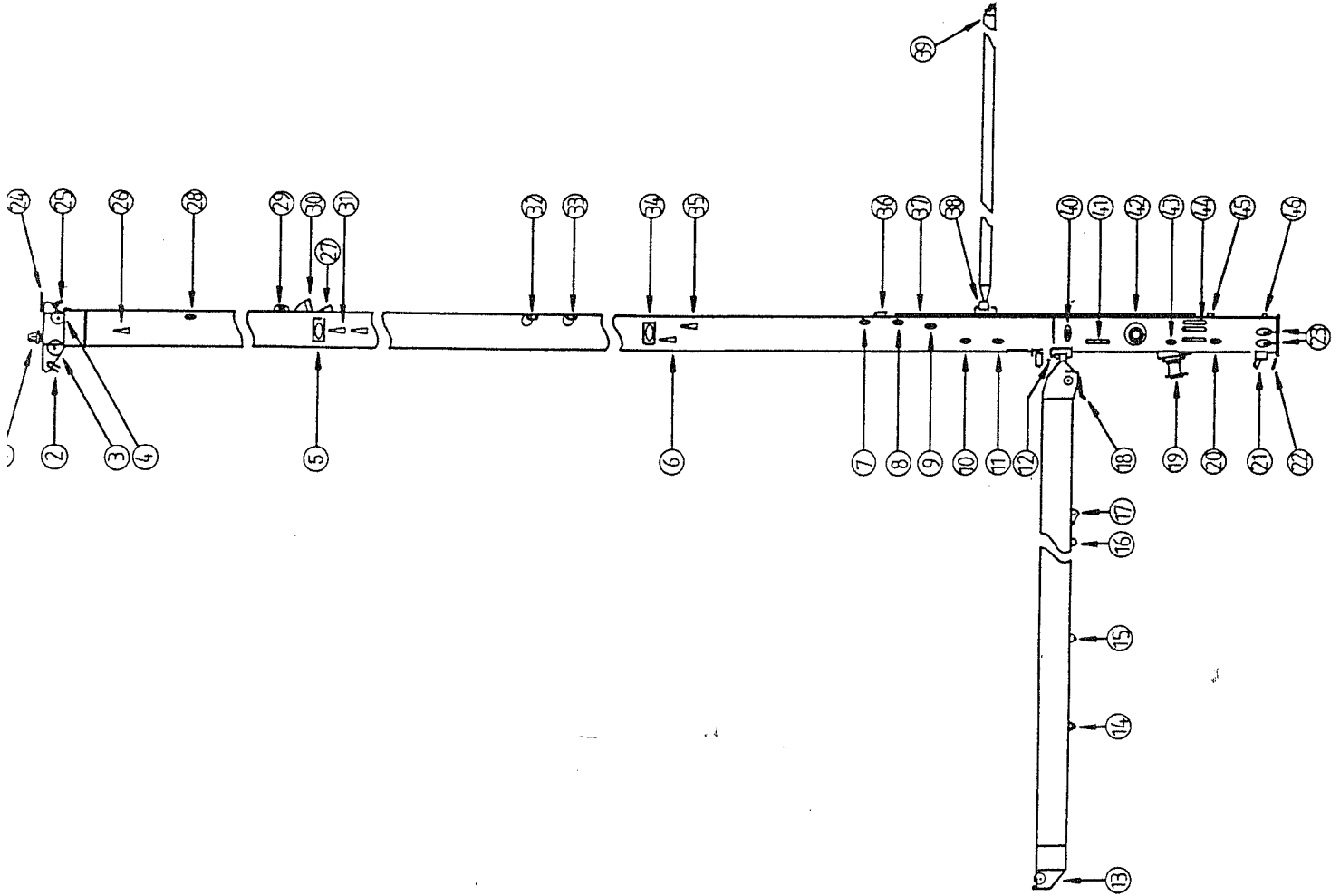
- 1 Stemhead fitting with bow-rollers and chain stop
- 2 Forward pulpit with bow lights
- 3 Genoa roller gear drum built into the chain locker
- 4 Chain locker with electric windlass and housing for the manual operation lever
- 5 Forward mooring cleat
- 6 Forward cabin deck hatch
- 7 Spinnaker pole downhaul lead
- 8 Water deck fill cover
- 9 Forward lower shrouds chainplate
- 10 Spinnaker barber hauler chainplate
- 11 Shroud chainplate
- 12 Mast step with 3 watertight grommets
- 13 Return cheekblocks for spinnaker pole downhaul, boom topping lift, main downhaul and mainsheet
- 14 Fairlead
- 15 Mooring cleat
- 16 Dorad vent with stainless steel guard pulpit
- 17 Opening deck port
- 18 Self-tailing winch
- 19 Wheel with engine control lever
- 20 Genoa sheet self-tailing winch
- 21 Return cheekblock for genoa sheet
- 22 Spinnaker winch (to port)
- 23 Aft mooring cleat
- 24 Roller for after mooring lines with fairlead to port
- 25 Teak slatted transom extension with shower facility and quayside power socket to starboard and anchor locker to port
- 26 Return cheekblock for genoa roller
- 27 Spinnaker pole downhaul chainplate
- 28 Opening deck hatch for head
- 29 Dorad vent with stainless steel guard pulpit
- 30 Spinnaker barber hauler chainplate
- 31 Mast pulpit
- 32 Return cheekblocks for main clew, spinnaker pole lift
- 33 Opening deck hatch for saloon
- 34 Genoa sheet track
- 35 Water deck fill cover
- 36 Mainsheet track
- 37 4 cam-jammers
- 38 Self-tailing winch
- 39 Cockpit table (Stowable)
- 40 Cockpit table
- 41 Chainplate for spinnaker guy and sheet return
- 42 Engine dashboard with plexiglass cover
- 43 Aft fairlead
- 44 Fuel deck fill cover
- 45 Backstay chainplate
- 46 Bathing ladder with grabrail on transom extension
- 47 Cover removing to give access to emergency tiller slot



MAST PLAN

TRADITIONAL RIS VERSION

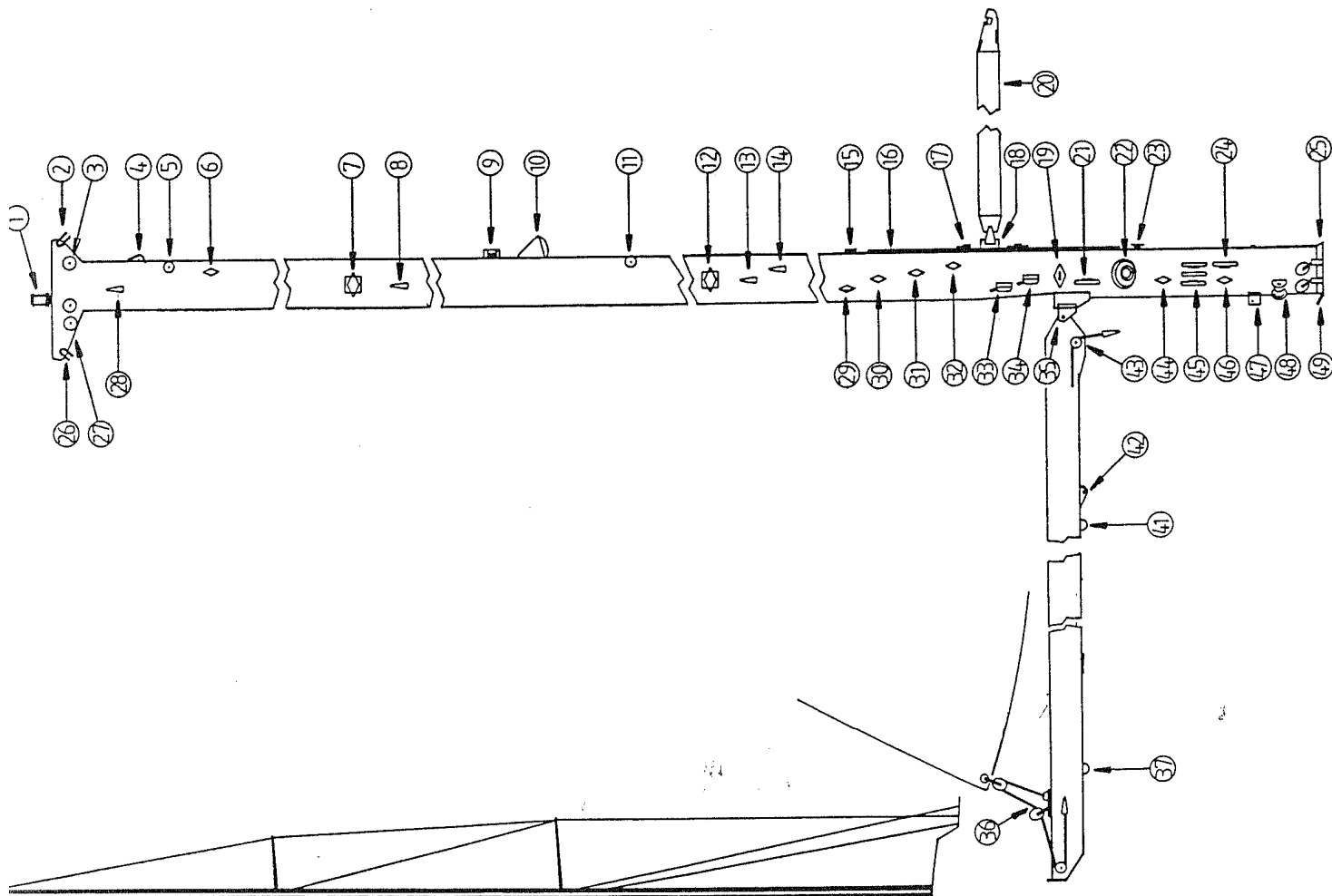
- 1 Mast head light
- 2 Backstay tang
- 3 Main sheave
- 4 Jib sheave
- 5 Spreader (L: 850mm/2'9")
- 6 Aft lower shroud tang
- 7 N° 2 Jib exit (on portside)
- 8 Spinnaker exit
- 9 N° 1 Jib exit
- 10 Main exit (on portside)
- 11 Main topping lift exit
- 12 Boom end-fitting 4 sheaves 4 cams
- 13 Boom end-fitting 4 sheaves
- 14 Extra mainsheet eye
- 15 Mainsheet eye
- 16 Mainsheet eye
- 17 Boom downhaul fitting
- 18 Clew and reefband cams
- 19 Reefband winch
- 20 N° 2 spinnaker pole topping lift exit (on portside)
- 21 Downhaul toggle
- 22 Mast step with stainless steel fitting for return of mainsheet
- 23 Mast step blocks
- 24 Spinnaker double fitting
- 25 Forestay tang
- 26 Capshroud tang
- 27 Releasable stay fitting
- 28 Spinnaker exit
- 29 Steaming light
- 30 Deck floodlight
- 31 Inner stay tang#
- 32 N° 1 Spinnaker pole topping lift exit
- 33 N° 2 Spinnaker pole topping lift exit (on portside)
- 34 Spreader (L: 1250mm/4'1")
- 35 Forward lower shroud tang
- 36 Spinnaker pole track-slide block
- 37 Spinnaker pole track
- 38 Spinnaker pole track-slide
- 39 Spinnaker pole cup-fitting
- 40 Jockey-pole eye
- 41 Main topping lift cleat
- 42 Halyard winch (to port and to starboard)
- 43 N° 1 spinnaker pole topping lift exit
- 44 Halyard cleats (to port and to starboard)
- 45 Spinnaker pole track-slide lead
- 46 Electric wiring and messenger wire exit



MAST PLAN

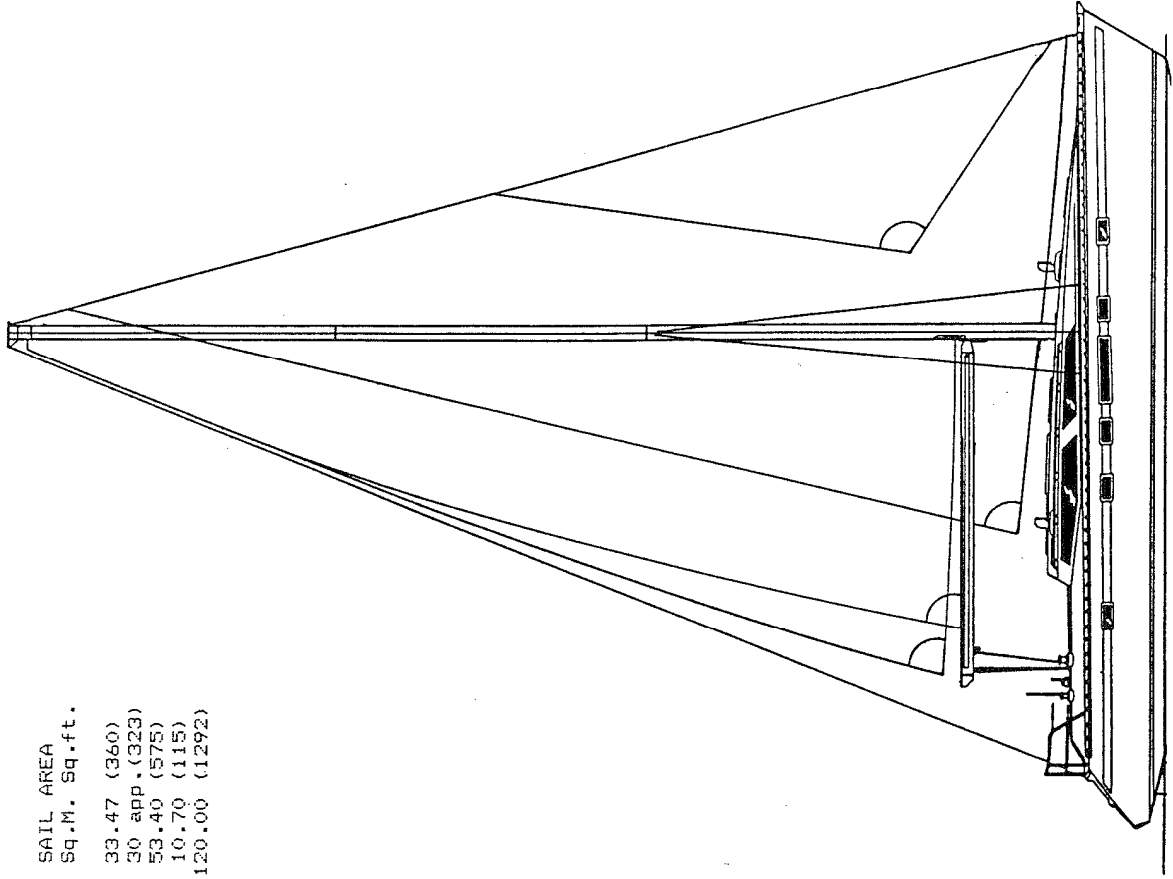
"FURLER MAST" VERSION

- 1 Anchor light
- 2 Forestay tang
- 3 Genoa halyard sheave
- 4 Babystay fitting
- 5 Staysail halyard sheave
- 6 Spinnaker halyard exit
- 7 Upper spreader : L=860mm/2'10"
- 8 Inner stay tang
- 9 Engine running light
- 10 Deck floodlight
- 11 Spinnaker pole topping lift sheave
- 12 Lower spreader : L=1250mm/4'1"
- 13 Aft lower shroud tang
- 14 Forward lower shroud tang
- 15 Upper block for adjustment of spinnaker pole traveller
- 16 Spinnaker pole traveller track
- 17 Spinnaker pole traveller adjustment jammer
- 18 Spinnaker pole traveller
- 19 Jockey-pole eye
- 20 Spinnaker pole
- 21 Halyard cleat (to port)
- 22 Halyard winch (to port)
- 23 Spinnaker pole traveller lower adjustment block
- 24 Staysail halyard cleat (to starboard)
- 25 Mast step with return blocks
- 26 Backstay tang
- 27 Sheaves for mainsail halyard
- 28 Capshroud tang
- 29 Spinnaker halyard exit (to port)
- 30 Mainsail halyard exit (to port)
- 31 Genoa halyard exit (to port)
- 32 Staysail exit (to starboard)
- 33 Spinnaker halyard cam-jammer (to port)
- 34 Main and genoa halyard cam-jammer (to port)
- 35 Boom-end fitting with main clew sheave
- 36 Main clew tackle (return to cockpit)
- 37 Mainsheet block eye
- 41 Mainsheet block eye
- 42 Boom downhaul fitting
- 43 Main clew lead
- 44 Spinnaker pole topping lift exit (to starboard)
- 45 Halyard cleats
- 46 Main topping lift exit (to port)
- 47 Boom downhaul toggle
- 48 Swivel return blocks for main furl
- 49 Bridle for fixing mainsheet lead block



SAIL PLAN

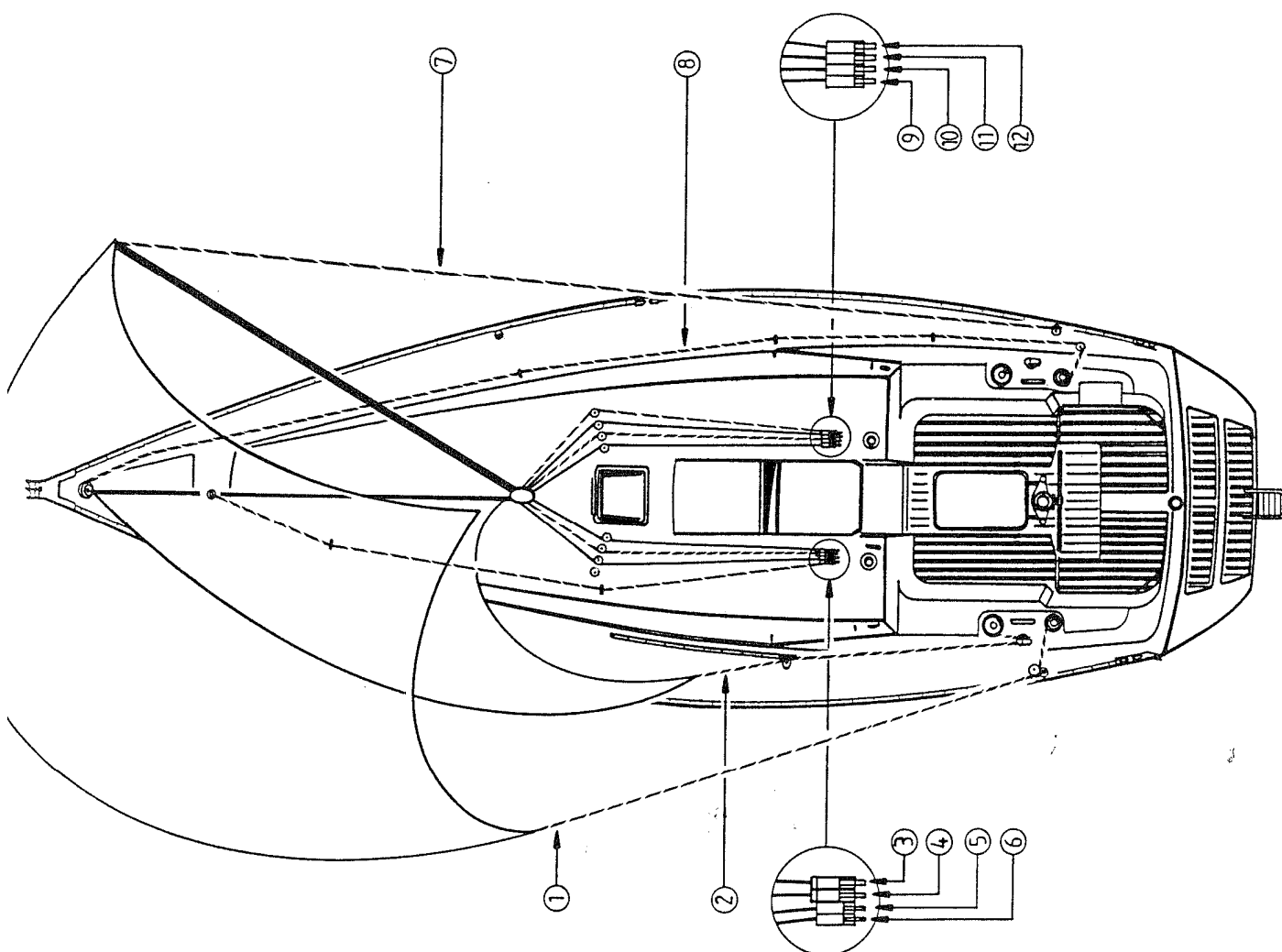
	LUFF	LEECH	FOOT	SAIL AREA Sq.M. Sq.ft.
1= Traditional main	P:13700(44'11")	14300(46'11")	E:4300(14'1")	33.47 (360)
2= Furler main	Refer to mast details		E:4500(14'9")	30 app.(323)
3= Roller genoa	P:15300(50'2")	14300(46'11")	LP:6850(22'6")	53.40 (575)
4= Storm jib	8200 (26'11")	6000 (19'8")	LP:2600(8'6")	10.70 (115)
5= Spinnaker	15350(50'4")		8370 (27'5")	120.00 (1292)



"FURLER MAST" VERSION

SHEET LAYOUT

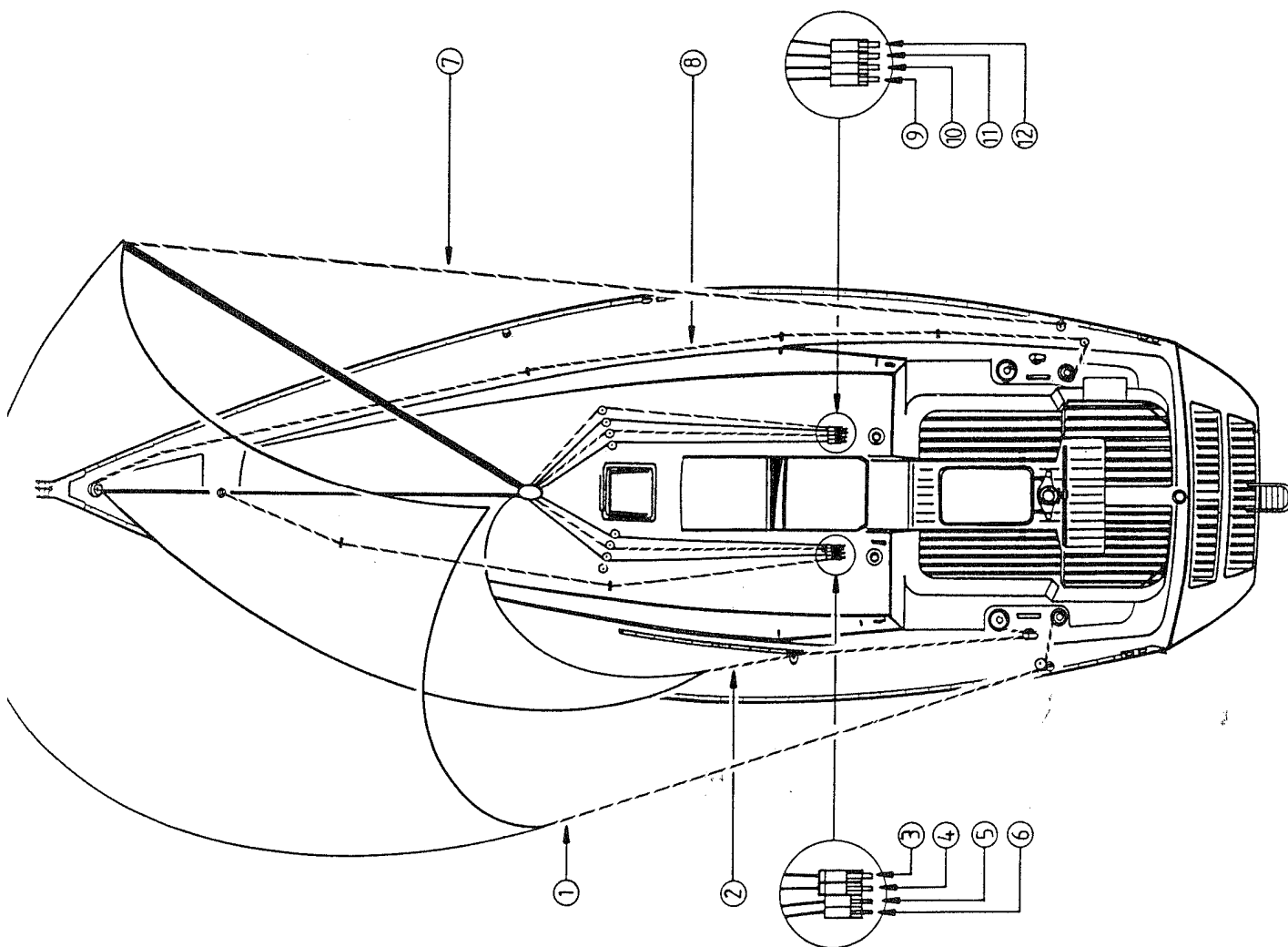
- 1 Spinnaker sheet
- 2 Jib sheet
- 3 Mainsheet return
- 4 Main downhaul return
- 5 Main topping lift return
- 6 Spinnaker pole downhaul return
- 7 Spinnaker guy
- 8 Jib roller
- 9 Main clew adjustment
- 10 Main furl (out)
- 11 Main furl (back in)
- 12 Spinnaker pole topping lift return



SHEET LAYOUT

"TRADITIONAL MAST" VERSION

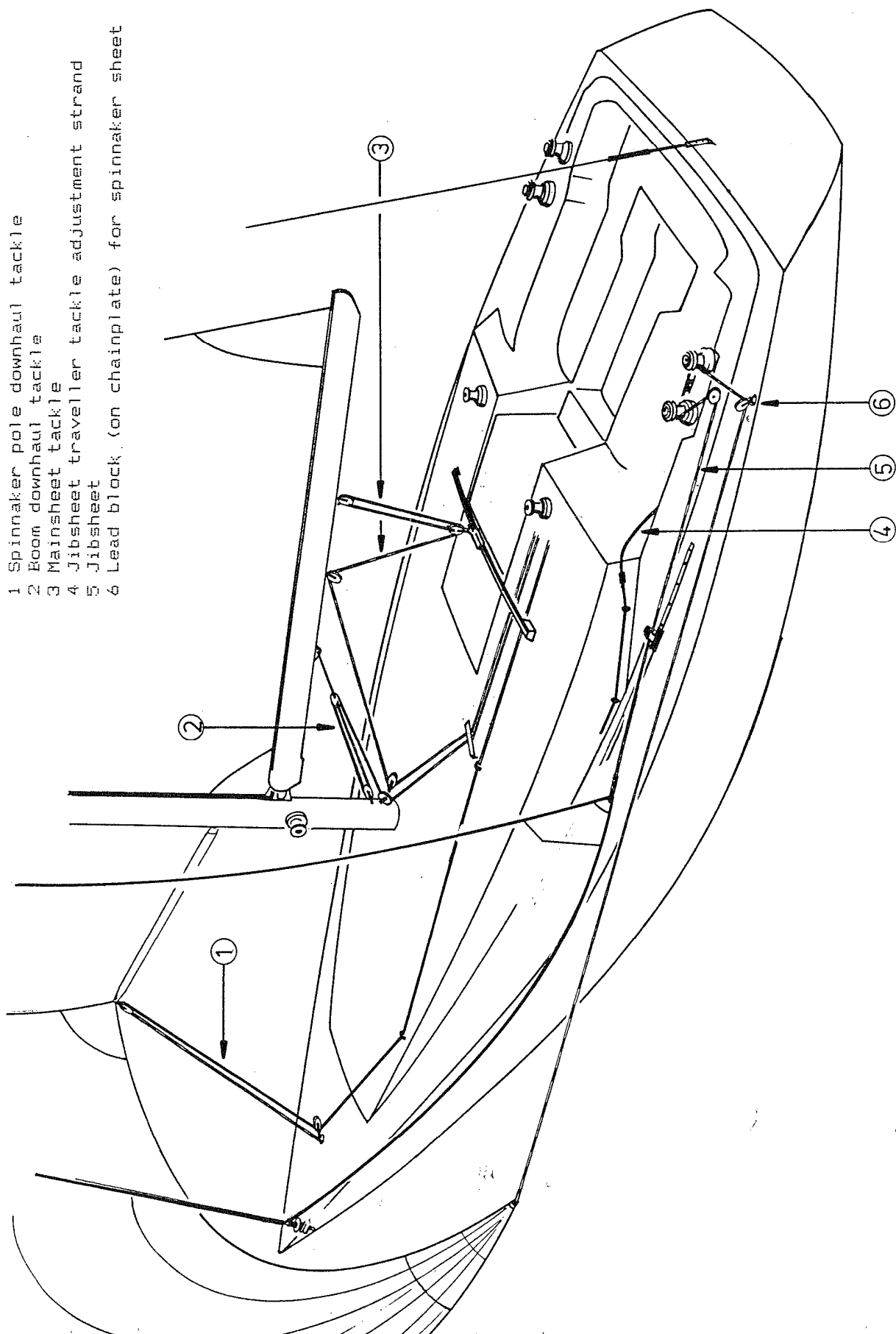
- 1 Spinnaker sheet
- 2 Jib sheet
- 3 Mainsheet return
- 4 Main downhaul return
- 5 Vacant jammer
- 6 Spinnaker pole downhaul return
- 7 Spinnaker guy
- 8 Jib roller
- 9 Main topping lift return
- 10 Spinnaker pole topping lift return
- 11 Spinnaker halyard return
- 12 Vacant jammer



RUNNING RIGGING

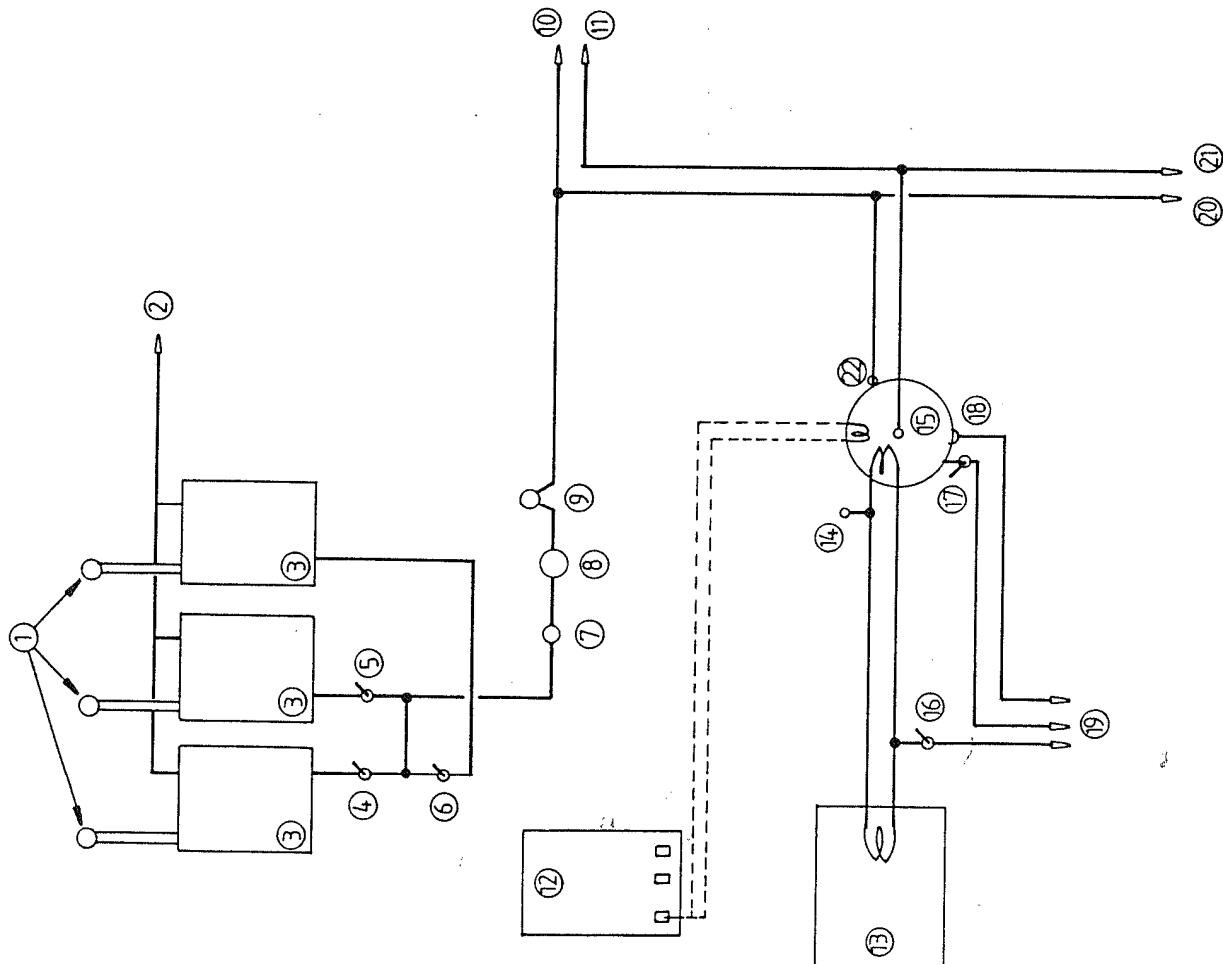
"TRADITIONAL MAST" VERSION

- 1 Spinnaker pole downhaul tackle
- 2 Boom downhaul tackle
- 3 Mainsheet tackle
- 4 Jibsheet traveller tackle adjustment strand
- 5 Jibsheet
- 6 Lead block (on chainplate) for spinnaker sheet



R U N N I N G R I G G I N G										V E R S I O N : Traditional mast										D A T E : 24/11/87	
DESCRIPTION	CODE	EXTRA	STAINLESS STEEL WIRE		ROPEL		COMPOSITION	CODE	N°	H A R D W A R E		B L O C K S	CODE								
			DIA.	LENGTH	DIA.	LENGTH				N°	A C C E S S O R I E S										
MAINSAIL HALYARD					14	31	F.O. red		1	Key shackle ø8		134 965									
MAIN TOPPING LIFT					10	32	Stranded green	003 376	1	Key shackle ø6		134 940									
MAINSHEET					14	18	Braided red	002 485			1 9227 SER 9217 SE	Lewmar	198 119 198 093								
MAIN CLEW OUTHAUL					12	8	Braided red	002 444	1	Key shackle ø6		134 940									
PENDANT 1st REEF					12	11	Braided green	002 451													
PENDANT 2nd REEF					12	14	Braided blue	002 394													
PENDANT 3rd REEF																					
MAIN CUNNINGHAM							rigid														
BOOM DOWNHAUL			5	0.70	004 147	12 10	Gulfstream red	003 160			1 SER 9227 2 SE2 9217		198 119 198 093								
MAIN TRAVELLER ADJUSTMENT					8	7	Tempest red	002 816													
JIB HALYARD					14	31	F.O. blue		1	Hank S.S. ø70		135400									
JIBSHEET					16	17	Braided blue	002 519													
JIB BARBER HAULER																					
JIB TRAVELLER ADJUSTMENT					8	14	Tempest blue	002 766			1 SA2		135590								
JIB ROLLER					10	22	Braided blue	002 394			2 9017	Lewmar	198077								
JIB TACK																					
SPINNAKER HALYARD					12	31	Kevlar White/green	003 616	1	Swivel hank ø90		135442	1 SE3 9317								
SPINNAKER SHEET					12	24	Kevlar Red/blue		1	Swivel hank 2176		135467	1 SE3 9317								
SPINNAKER GUY					12	24	Kevlar Green/white		1	Swivel hank 2176		135467	1 SE3 9317								
SPINNER POLE TOPPING LIFT					10	22	Braided white	002 386	1	Snapshackle ø70		145400	1 SA3 CHAPE								
SPINNER POLE DOWNWIND					10	20	Braided green	002 378	1	Key shackle ø6		135400	2 SE1 9117								
SPINNER POLE TRAV. ADJ.					10	6	Braided green	002 378					198085								
SPT. POLE BARBER-HAUER																					
STAYSAIL HALYARD					12	28	F.O. black		1	Key shackle ø8		134965									
STAYSAIL SHEET					14	10	Braided black														
BACKSTAY																					
HANDLES									1	Turnbuckle		144873									
RUNNING BACKSTAYS									3	Lewmar winch handles		132332									
OTHER																					
MODIFICATIONS	DATE	REF											O B S E-R V A I I O N S								
	07/03/88	A/	Mainsheet blocks																		
	07/03/88	B/	Trough adjustment on main traveller + sprinker pole topping lift + further																		

R U N N I N G R I G G I N G										V E R S I O N: Traditional mast										D A T E: 24/11/87									
DESCRIPTION		CODE	EXTRA	STAINLESS STEEL WIRE		ROPE S		COMPOSITION		CODE	Nº	A C C E S S O R I E S		H A R D W A R E		B L O C K S		CODE											
				DIA	LENGTH	DIA	LENGTH																						
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	MAIN TOPPING LIFT					10	32	Stranded green	003 376		1	Key shackle ø6		134 940															
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PENDANT 1st REEF						12	8	Braided red	002 444	1	Key shackle ø6		134 940																
PENDANT 2nd REEF						12	11	Braided green	002 451																				
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SPINNAKER SHEET						12	24	Kevlar Red/blue		1	Swivel hank 2176		135467		1 SE3 9317			198218											
SPINNAKER GUY						12	24	Kevlar Green/white		1	Swivel hank 2176		135467		1 SE3 9317			198218											
SPINNER POLE TOPPING LIFT						10	22	Braided white	002 386	1	Snapshackle ø70		145400		1 SA3 CHAPE			136234											
SPINNER POLE DOWNWIND						10	20	Braided green	002 378	1	Key shackle ø6		135400		2 SE1 9117			198085											
SPINNER POLE TRAV. ADJ.						10	6	Braided green	002 378																				
SPI. POLE BARBER HAULER																													
STAYSAIL HALYARD						12	28	F.O. black		1	Key shackle ø8		134965																
STAYSAIL SHEET						14	10	Braided black																					
BACKSTAY																													
HANDLES																													
RUNNING BACKSTAYS																													
OTHER																													
MODIFICATIONS		DATE	REF	0 B S E - R V A I I O N S																									
		07/03/88	A/	Main sheet blocks																									
		07/03/88	B/	Trough adjustment on main traveller + spritaker pole topping lift + further																									



WATER SYSTEM

GENERAL OPERATION DIAGRAM

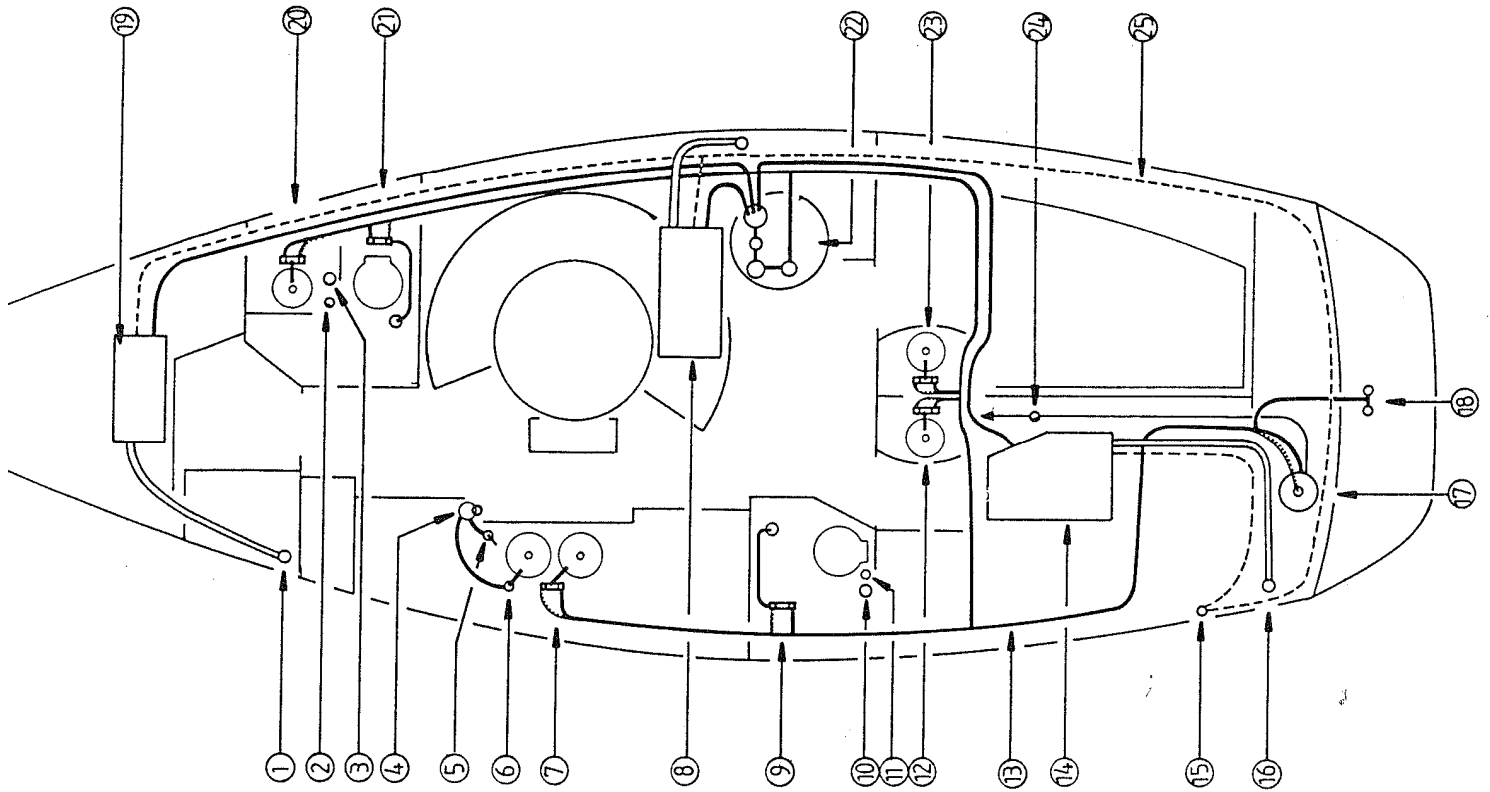
- 1 Deck fill cover for water tanks
- 2 Breather for water tanks
- 3 Water tanks
- 4 Forward tank shut-off cock
- 5 Saloon tank shut-off cock
- 6 Aft tank shut-off cock
- 7 Consumption meter
- 8 Pressurised water unit
- 9 Expansion chamber
- 10 Cold water supply to forward head
- 11 Hot water supply to forward head
- 12 Electric panel with water heater control (220 V)
- 13 Engine with heat exchanger system to water heater
- 14 Air intake plug allowing for bleed of exchanger system
- 15 Water heater operating on * engine (heat exchanger)
- 16 Heat exchanger system bleed cock
- 17 Water heater bleed cock
- 18 Water heater safety valve
- 19 Bilge outlet of bilged and water heater safety valve
- 20 Cold water supply to aft cabin washbasins, aft head and galley
- 21 Hot water supply to aft cabin washbasins, aft head and galley
- 22 Non-return valve on cold water supply to water heater

3 CABIN VERSION

WATER SYSTEMS

DISTRIBUTION

- 1 Forward tank deck fill cover
- 2 Forward head WC rinse cock
- 3 Forward head WC discharge cock
- 4 Foot pump for sea-water supply to sink
- 5 Sea-water uptake cock
- 6 Sea-water supply tap/faucet to sink
- 7 Hot and cold fresh water supply tap/faucet to sink
- 8 Starboard water tank (140 litres approx./30.79 imp.galls./36.98 US galls.)
- 9 Hot and cold fresh water supply tap/faucet to shower
- 10 Aft head WC discharge cock
- 11 Aft head WC rinse cock
- 12 Aft head portside washbasin with hot and cold water taps/faucets
- 13 Hot and cold water supply hoses
- 14 Aft water tank (160 litres approx./35.19 imp.galls./42.27 US galls.)
- 15 Water tank discharge lines brought together with breather
- 16 Aft tank deck fill cover
- 17 Water heater
- 18 Hot and cold water taps/faucets to transom extension shower facility
- 19 Forward water tank (150 litres approx./33 imp.galls./39.63 US galls.)
- 20 Hot and cold water taps/faucets to forward head washbasin
- 21 Hot and cold water taps/faucets to forward head shower
- 22 Distribution cocks covering water system, water pressure unit, expansion tank and consumption meter (refer to detailed drawing)
- 23 Washbasin in aft head to starboard with hot & cold water tap/faucet
- 24 Bleed cock to water-heater/engine heat exchanger system (refer to Water system General Operation diagram)
- 25 Breather hose for forward and starboard tanks



3 CABIN VERSION

WATER SYSTEMS

DISCHARGE LINES

- 1 Shower basin discharge hand-pump
- 2 Shower basin filter (Forward head)
- 3 Adjustment control to refrigeration unit
- 4 Ice-box water discharge
- 5 Shower basin filter (Aft head)
- 6 Shower basin discharge hand-pump
- 7 Shower basin waste-water discharge cock
- 8 Gas supply line
- 9 Gas compartment with ventilation hose
- 10 Electric and manual bilge-pump outlets brought together
- 11 Bilge discharge hand-pump in cockpit
- 12 Shower and washbasin waste-water discharge cock
- 13 Gas system shut-off cock (access under sink)
- 14 Galley sink discharge cock
- 15 Ice-box and bilge-water collector well
- 16 Cockpit hand-pump discharge hose
- 17 Electric bilge-pump (bilge well: water-heater bleed, engine heat-exchanger bleed, stuffing box.)
- 18 Discharge cocks to aft cabin washbasins

