

Rebuilding the Mirror 16 one piece at a time....



[email updates to Don Schilling at rebuild_mirror_16@yahoo.com](mailto:rebuild_mirror_16@yahoo.com)

Below are links to Mirror 16 groups on the web.

<http://www.boatdesign.net/forums/wooden-boat-building-restoration/mirror-16-foot-sailing-dinghy-12064.html>

<https://groups.yahoo.com/neo/groups/Mirror16/info>

<https://www.facebook.com/mirror16>

My fathers first boat was a Mirror 16 and from that day forward sailing was part of the family.

In 1969, the boat cost about \$600 and was shipped to Ohio in a box from England along with four others. The local boat building association CABBS was instrumental in getting Mirror 16's to Cleveland and within a few years there were 25 boats.

Looking back, I now realize the M16 was a great all around boat. We took ours on many sailing vacations. Easy to trailer and set up.

Unfortunately, the M16 plans and templates are long gone. Luckily, there are a few folks attempting to keep the class alive.

This document is an attempt to help their efforts to keep the Mirror 16 class alive.

Using a 1969 Mirror 16 hardware listing I have created a 2016 modern equivalent including cost per item and web link for each product. I also constructed lists for standing rig, mast, boom, running rigging and hull material.

We are attempting to create cad/cam drawings and know that folks on boatdesign.net have made significant progress on making templates.

I owe thanks to those who have responded to my many email requests and provided access to internet resources.

I welcome your ideas and suggestions and can incorporate them into the next version of this document. Please email any updates, adjustments or suggestions to rebuild_mirror_16@yahoo.com. Also please consider joining one of the existing M16 internet groups.

The 55th anniversary of the Mirror 16 is 2018.

Would love to be sailing with some new and old M16's in 2018.

2016 Hardware for Mirror 16

Draft as of 2016.04.16 v1

2016 Part Num	1969 Part Num	Description	2016 Retail #	2016 Retailer	Quantity	2016 Price	Ext. Price	Dimension	Assembly
V1.RES.HW.01	H.A. 134	Jib Fairleads	Allen A.134	apsltd.com	2	\$10.08	\$20.16		Running rigging
V1.RES.HW.02	H.A. 76	Jib Sheet Cleats	Ronstan RF5010	apsltd.com	2	\$24.61	\$49.22	line size 3 mm to 12 mm	Running rigging
V1.RES.HW.03	H.A. 4094P	Mainsheet blocks	Harken 2650	apsltd.com	2	\$23.36	\$46.72	max line size 3/8" or 10 mm	Running rigging
V1.RES.HW.04	H.A. 4095P	Mainsheet blocks	Harken 2650	apsltd.com	2	\$23.36	\$46.72	max line size 3/8" or 10 mm	Running rigging
V1.RES.HW.05	H.A. 4176	Mainsheet Swivel	Ronstan RF7	shopsoundboatwork	1	\$140.00	\$140.00	line size 3 mm to 12 mm	Running rigging
V1.RES.HW.06	H.A. 130	Reefing Line Cleat	Allen A.130	apsltd.com	1	\$4.37	\$4.37	L = 92 mm	Running rigging
V1.RES.HW.07	H.A. 153	Reefing Line Fairlead	Allen A.153	apsltd.com	2	\$3.03	\$6.06	inside Dia. 7 mm	Running rigging
V1.RES.HW.08	H.A. 4328	Shackles	RW-R6052	sailboats.co.uk	4	\$3.25	\$13.01	Pin=5mm L=25mm W=12mm	Running rigging
V1.RES.HW.09	H.A. 77	Spin. sheet cleats	Ronstan RF5010	apsltd.com	2	\$24.61	\$49.22	line size 3 mm to 12 mm	Running rigging
V1.RES.HW.10	H.A. 152	Spin. sheet fairleads	Allen A.152	seapost.co.uk	2	\$1.78	\$3.55		Running rigging
V1.RES.HW.11	H.A. 74	Spin. Sister Clips	Allen A..75	Apsltd.com	1	\$7.38	\$7.38	max line size 1/4" or 6 mm	Running rigging
V1.RES.HW.12	H.A. 93	Vang block	Allen A..93	sailboats.co.uk	1	\$15.41	\$15.41	line size 4mm to 6mm	Running rigging
V1.RES.HW.13	H.A. 165	Vang jamb block	Allen A.165A	sailboats.co.uk	1	\$22.15	\$22.15		Running rigging
V1.RES.HW.14	H.A. 4002	Vang key	Allen A4002	pinbax.com	1	\$7.85	\$7.85		Running rigging
V1.RES.HW.15		placeholder					\$0.00		
V1.RES.HW.16		placeholder					\$0.00		
V1.RES.HW.17		placeholder					\$0.00		
V1.RES.HW.18		placeholder					\$0.00		
V1.RES.HW.19	H.A. 4001	Bow plate (forestay)	Allen A4001E	sailboats.co.uk	1	\$25.56	\$25.56	n/a	Standing rigging
V1.RES.HW.20	H.A. 266	Wind Indicator / Burgee	EX1240	apsltd.com	1	\$21.40	\$21.40		Standing rigging
V1.RES.HW.21	H.A. 4171/S	Chain Plate Covers (for Shroud)	Allen A4171S	sailboats.co.uk	2	\$8.55	\$17.10	L = 64 mm	Standing rigging
V1.RES.HW.22	H.A. 4025/S	Chain Plates (for Shroud)	Allen A4025S	sailboats.co.uk	2	\$20.99	\$41.98	L = 194 mm	Standing rigging
V1.RES.HW.23							\$0.00		
V1.RES.HW.24							\$0.00		
V1.RES.HW.25	H.A. 281	Mooring cleat	Allen A.281	apsltd.com	1	\$11.50	\$11.50	152 mm	Bow
V1.RES.HW.26	H.A. 162	Mooring fairleads	Allen A.252	sailboats.co.uk	2	\$7.10	\$14.20	inside Dia. 19 mm	Bow
V1.RES.HW.27	n/a	Bolt for CB rubber stop			1		\$0.00	Unsure	Center Case
V1.RES.HW.28	n/a	Bolt for CB Stirrup			1		\$0.00	Unsure	Center Case
V1.RES.HW.29	n/a	Centerboard rubber stop			2		\$0.00		Center Case
V1.RES.HW.30	H.A. 4100/SMT	C.B. Stirrup Fitting (centerboard)		0	1	\$0.00	\$0.00		Center Case
V1.RES.HW.31	H.A. 3	Eye Plates	Allen A...3	apsltd.com	3	\$11.09	\$33.27	inside Dia. 12 mm	Floor
V1.RES.HW.32	MG-58305	Hiking Straps 2" nylon webbing	MG-58305	sailboats.co.uk	5	\$23.88	\$119.40	50mm Wide - price per meter	Floor
V1.RES.HW.33	n/a	Drain sockets with corks	Allen A.323	apsltd.com	8	\$5.48	\$43.84		Hull
V1.RES.HW.34	H.A. 137	Inspection Covers	Allen A.537W	sailboats.co.uk	5	\$12.03	\$60.14	6"	Hull
V1.RES.HW.35	n/a	Keel Band 15mm wide predrilled	Allen A0403	sailboats.co.uk	6	\$22.65	\$135.89	15mm wide - price per meter	Hull
V1.RES.HW.36	H.A. 21	Rudder Retaining Clip	Allen A0021	sailboats.co.uk	1	\$2.41	\$2.41	L=54mm	Rudder
V1.RES.HW.37	H.A. 146	Rudder Halliard cleat	Allen A.146	sailboats.co.uk	1	\$1.80	\$1.80	line size 2mm to 6mm	Rudder
V1.RES.HW.38	H.A. 153	Rudder Halliard fairlead	Allen A0153	sailboats.co.uk	1	\$0.88	\$0.88	inside Dia. 7 mm	Rudder
V1.RES.HW.39	H.A. 4017 2"	Rudder Pintle	Allen A4017-51	sailboats.co.uk	1	\$26.82	\$26.82	7.8mm Pin Dia. 51mm Width	Rudder
V1.RES.HW.40	H.A. 4018 2"	Rudder Gudgeon	Allen A4018-51	sailboats.co.uk	1	\$20.26	\$20.26	8mm Pin Hole, 51mm Width	Rudder
V1.RES.HW.41	H.A. 4020	Transon Gudgeon	Allen A4020	sailboats.co.uk	1	\$17.40	\$17.40	8mm Pin Hole Dia. 76mm Width	Rudder
V1.RES.HW.42	H.A. 4019	Transom Pintle	Allen A4019	sailboats.co.uk	1	\$37.39	\$37.39	7.8mm Pin Dia. 76mm Width	Rudder
V1.RES.HW.43	H.A. 4098	Tiller Swivel	Allen A4098	sailboats.co.uk	1	\$14.87	\$14.87	3" Length 3/8" Thread	Rudder
V1.RES.HW.44	n/a	Bow Eye for Trailer	HM005735	victory-products.com	1	\$20.20	\$20.20		Hull
V1.RES.HW.45		placeholder					\$0.00		
							\$1,098		

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Mirror 16 : Jib Fairleads

V1.RES.HW.01



Photo from 1969 M16

2016 Part Num	V1.RES.HW.01
1969 Part Num	H.A. 134
Description	Jib Fairleads
Quantity & Price	2 @ \$10.08
2016 Retailer #	Allen A.134
Dimension	
Retailer	apsltd.com
Fasteners	2 #? Stainless screws
Related Assembly	Running rigging
Prod URL	http://www.allenbrothers.co.uk/item_detail.asp?prod_id=80&id=788
Retailer URL	http://www.apsltd.com/bow-eye-grav.html
Notes	

Mirror 16 : Jib Sheet Cleats

V1.RES.HW.02



Photo from 1969 M16

2016 Part Num	V1.RES.HW.02
1969 Part Num	H.A. 76
Description	Jib Sheet Cleats
Quantity & Price	2 @ \$24.61
2016 Retailer #	Ronstan RF5010
Dimension	line size 3 mm to 12 mm
Retailer	apsltd.com
Fasteners	
Related Assembly	Running rigging
Prod URL	http://www.ronstan.com/marine/product.asp?ProdNo=RF5010
Retailer URL	http://www.apsltd.com/c-cleat-carbon-cam-cleat-medium-grav.htm
Notes	

Mirror 16 : Mainsheet blocks

V1.RES.HW.03

Home - 40mm Carbo Single Fixed



Photo from 2016 Retailer

2016 Part Num	V1.RES.HW.03
1969 Part Num	H.A. 4094P
Description	Mainsheet blocks
Quantity & Price	2 @ \$23.36
2016 Retailer #	Harken 2650
Dimension	max line size 3/8" or 10 mm
Retailer	apsltd.com
Fasteners	
Related Assembly	Running rigging
Prod URL	http://www.harken.com/productdetail.aspx?id=4645&taxid=417
Retailer URL	http://www.apsltd.com/40mm-carbo-single-fixed.html
Notes	Attached to boom with shackles

Mirror 16 : Mainsheet blocks

V1.RES.HW.04

Home - 40mm Carbo Single Fixed



Photo from 2016 Retailer

2016 Part Num	V1.RES.HW.04
1969 Part Num	H.A. 4095P
Description	Mainsheet blocks
Quantity & Price	2 @ \$23.36
2016 Retailer #	Harken 2650
Dimension	max line size 3/8" or 10 mm
Retailer	apsltd.com
Fasteners	
Related Assembly	Running rigging
Prod URL	http://www.harken.com/productdetail.aspx?id=4645&taxid=417
Retailer URL	http://www.apsltd.com/40mm-carbo-single-fixed.html
Notes	attached to mainsheet Swivel and one is for rope tr

Mirror 16 : Mainsheet Swivel

V1.RES.HW.05



Photo from 2016 Retailer

2016 Part Num	V1.RES.HW.05
1969 Part Num	H.A. 4176
Description	Mainsheet Swivel
Quantity & Price	1 @ \$140.00
2016 Retailer #	Ronstan RF7
Dimension	line size 3 mm to 12 mm
Retailer	shopsoundboatworks.com
Fasteners	
Related Assembly	Running rigging
Prod URL	http://www.ronstan.com/marine/product.asp?ProdNo=RF7
Retailer URL	http://www.shopsoundboatworks.com/robabeswiba.html?cmp=googleproducts&kw=robabeswiba&gclid=CNfB9-KF9csCFVAvsQodq0LbQ
Notes	

Mirror 16 : Reefing Line Cleat

V1.RES.HW.06



Photo from 1969 M16

2016 Part Num	V1.RES.HW.06
1969 Part Num	H.A. 130
Description	Reefing Line Cleat
Quantity & Price	1 @ \$4.37
2016 Retailer #	Allen A.130
Dimension	L = 92 mm
Retailer	apsltd.com
Fasteners	
Related Assembly	Running rigging
Prod URL	http://www.allenbrothers.co.uk/item_detail.asp?prod_id=53&id=2
Retailer URL	http://www.apsltd.com/holt-allen-nylon-jam-cleats-1.html
Notes	max rope size 8 mm

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Mirror 16 : Reefing Line Fairlead

V1.RES.HW.07



Photo from 1969 M16

2016 Part Num	V1.RES.HW.07
1969 Part Num	H.A. 153
Description	Reefing Line Fairlead
Quantity & Price	2 @ \$3.03
2016 Retailer #	Allen A.153
Dimension	inside Dia. 7 mm
Retailer	apsltd.com
Fasteners	
Related Assembly	Running rigging
Prod URL	http://www.allenbrothers.co.uk/item_detail.asp?prod_id=80&id=507
Retailer URL	http://www.apsltd.com/low-profile-fairlead-2.html
Notes	1/4 inch line is 6.35 mm

Mirror 16 : Shackles

V1.RES.HW.08



Photo from 2016 Retailer

2016 Part Num	V1.RES.HW.08
1969 Part Num	H.A. 4328
Description	Shackles
Quantity & Price	4 @ \$3.25
2016 Retailer #	RW-R6052
Dimension	Pin=5mm L=25mm W=12mm
Retailer	sailboats.co.uk
Fasteners	n/a
Related Assembly	Running rigging
Prod URL	http://www.rwo-marine.com/products/productdetail.php?code=R
Retailer URL	http://www.sailboats.co.uk/two-standard-d-strip-shackle-pin-dia-5
Notes	

Mirror 16 : Spin. sheet cleats

V1.RES.HW.09



Photo from 1969 M16

2016 Part Num	V1.RES.HW.09
1969 Part Num	H.A. 77
Description	Spin. sheet cleats
Quantity & Price	2 @ \$24.61
2016 Retailer #	Ronstan RF5010
Dimension	line size 3 mm to 12 mm
Retailer	apsltd.com
Fasteners	
Related Assembly	Running rigging
Prod URL	http://www.ronstan.com/marine/product.asp?ProdNo=RF5010
Retailer URL	http://www.apsltd.com/c-cleat-carbon-cam-cleat-medium-gray.html
Notes	d on pad attached to inwale 2016 part num V1.RES.??.????

Mirror 16 : Spin. sheet fairleads

V1.RES.HW.10

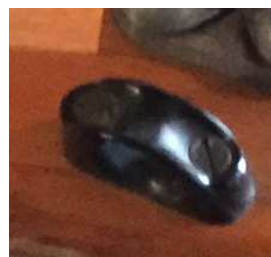


Photo from 1969 M16

2016 Part Num	V1.RES.HW.10
1969 Part Num	H.A. 152
Description	Spin. sheet fairleads
Quantity & Price	2 @ \$1.78
2016 Retailer #	Allen A.152
Dimension	
Retailer	seapost.co.uk
Fasteners	
Related Assembly	Running rigging
Prod URL	http://www.allenbrothers.co.uk/item_detail.asp?prod_id=80&id=5
Retailer URL	http://www.seapost.co.uk/allen-a152-bullseye-fairlead-nylon-14mm
Notes	Mounted on Gunwale

Mirror 16 : Spin. Sister Clips

V1.RES.HW.11



Photo from 2016 Retailer

2016 Part Num	V1.RES.HW.11
1969 Part Num	H.A. 74
Description	Spin. Sister Clips
Quantity & Price	1 @ \$7.38
2016 Retailer #	Allen A..75
Dimension	max line size 1/4" or 6 mm
Retailer	Apsltd.com
Fasteners	n/a
Related Assembly	Running rigging
Prod URL	http://www.allenbrothers.co.uk/item_detail.asp?prod_id=71&id=423
Retailer URL	http://www.apsltd.com/holt-sister-clips-1.html
Notes	need 1 pair

Mirror 16 : Vang block

V1.RES.HW.12



Photo from 2016 Retailer

2016 Part Num	V1.RES.HW.12
1969 Part Num	H.A. 93
Description	Vang block
Quantity & Price	1 @ \$15.41
2016 Retailer #	Allen A..93
Dimension	line size 4mm to 6mm
Retailer	sailboats.co.uk
Fasteners	
Related Assembly	Running rigging
Prod URL	http://www.allenbrothers.co.uk/item_detail.asp?prod_id=142&id=5
Retailer URL	http://www.sailboats.co.uk/allen-vang-block-single-and-becket-wit
Notes	

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Mirror 16 : Vang jamb block

V1.RES.HW.13



Photo from 2016 Retailer

2016 Part Num	V1.RES.HW.13
1969 Part Num	H.A. 165
Description	Vang jamb block
Quantity & Price	1 @ \$22.15
2016 Retailer #	Allen A.165A
Dimension	
Retailer	sailboats.co.uk
Fasteners	
Related Assembly	Running rigging
Prod URL	http://www.allenbrothers.co.uk/item_detail.asp?prod_id=142&id=347
Retailer URL	http://www.sailboats.co.uk/allen-vang-block-fiddler
Notes	

Need help from current M16 owner.

Would you recommend this type of hardware for the vang or something else?

Mirror 16 : Vang key

V1.RES.HW.14



2016 Part Num	V1.RES.HW.14
1969 Part Num	H.A. 4002
Description	Vang key
Quantity & Price	1 @ \$7.85
2016 Retailer #	Allen A4002
Dimension	
Retailer	pinbax.com
Fasteners	
Related Assembly	Running rigging
Prod URL	http://www.allenbrothers.co.uk/item_detail.asp?prod_id=45&id=1
Retailer URL	http://www.pinbax.com/index.asp?Details=12380&mc=SPARS&sc
Notes	

Mirror 16 : placeholder

V1.RES.HW.15

2016 Part Num	V1.RES.HW.15
1969 Part Num	
Description	placeholder
Quantity & Price	@
2016 Retailer #	
Dimension	
Retailer	
Fasteners	
Related Assembly	
Prod URL	
Retailer URL	
Notes	

Mirror 16 : placeholder

V1.RES.HW.16

2016 Part Num	V1.RES.HW.16
1969 Part Num	
Description	placeholder
Quantity & Price	@
2016 Retailer #	
Dimension	
Retailer	
Fasteners	
Related Assembly	
Prod URL	
Retailer URL	
Notes	

Mirror 16 : placeholder

V1.RES.HW.17

2016 Part Num	V1.RES.HW.17
1969 Part Num	
Description	placeholder
Quantity & Price	@
2016 Retailer #	
Dimension	
Retailer	
Fasteners	
Related Assembly	
Prod URL	
Retailer URL	
Notes	

Mirror 16 : placeholder

V1.RES.HW.18

2016 Part Num	V1.RES.HW.18
1969 Part Num	
Description	placeholder
Quantity & Price	@
2016 Retailer #	
Dimension	
Retailer	
Fasteners	
Related Assembly	
Prod URL	
Retailer URL	
Notes	

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Mirror 16 : Bow plate (forestay)

V1.RES.HW.19



Photo from 1969 M16

2016 Part Num	V1.RES.HW.19
1969 Part Num	H.A. 4001
Description	Bow plate (forestay)
Quantity & Price	1 @ \$25.56
2016 Retailer #	Allen A4001E
Dimension	n/a
Retailer	sailboats.co.uk
Fasteners	
Related Assembly	Standing rigging
Prod URL	http://www.allenbrothers.co.uk/item_detail.asp?prod_id=34&id=124
Retailer URL	http://www.sailboats.co.uk/allen-bow-plate-with-two-eyes
Notes	

Mirror 16 : Wind Indicator / Bugee

V1.RES.HW.20



Photo from 2016 Retailer

2016 Part Num	V1.RES.HW.20
1969 Part Num	H.A. 266
Description	Wind Indicator / Bugee
Quantity & Price	1 @ \$21.40
2016 Retailer #	EX1240
Dimension	
Retailer	apsltd.com
Fasteners	
Related Assembly	Standing rigging
Prod URL	http://www.apsltd.com/wind-indicator-red-pvc-flag.html
Retailer URL	
Notes	

Mirror 16 : Chain Plate Covers (for Shroud)

V1.RES.HW.21



Photo from 1969 M16

2016 Part Num	V1.RES.HW.21
1969 Part Num	H.A. 4171/S
Description	Chain Plate Covers (for Shroud)
Quantity & Price	2 @ \$8.55
2016 Retailer #	Allen A4171S
Dimension	L = 64 mm
Retailer	sailboats.co.uk
Fasteners	
Related Assembly	Standing rigging
Prod URL	http://www.allenbrothers.co.uk/item_detail.asp?prod_id=34&id=131
Retailer URL	http://www.sailboats.co.uk/allen-flange-plate-l-64mm-each-11824
Notes	to support shroud - must be paired with Allen Allen A4025S

Mirror 16 : Chain Plates (for Shroud)

V1.RES.HW.22



Photo from 1969 M16

2016 Part Num	V1.RES.HW.22
1969 Part Num	H.A. 4025/S
Description	Chain Plates (for Shroud)
Quantity & Price	2 @ \$20.99
2016 Retailer #	Allen A4025S
Dimension	L = 194 mm
Retailer	sailboats.co.uk
Fasteners	
Related Assembly	Standing rigging
Prod URL	http://www.allenbrothers.co.uk/item_detail.asp?prod_id=34&id=1
Retailer URL	http://www.sailboats.co.uk/allen-shroud-plate-with-double-top-se
Notes	ate to support shroud - must be paired with Allen /

Mirror 16 :

V1.RES.HW.23

2016 Part Num	V1.RES.HW.23
1969 Part Num	
Description	
Quantity & Price	@
2016 Retailer #	
Dimension	
Retailer	
Fasteners	
Related Assembly	
Prod URL	
Retailer URL	
Notes	

Mirror 16 :

V1.RES.HW.24

2016 Part Num	V1.RES.HW.24
1969 Part Num	
Description	
Quantity & Price	@
2016 Retailer #	
Dimension	
Retailer	
Fasteners	
Related Assembly	
Prod URL	
Retailer URL	
Notes	

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Mirror 16 : Mooring cleat

V1.RES.HW.25



Photo from 1969 M16

2016 Part Num	V1.RES.HW.25
1969 Part Num	H.A. 281
Description	Mooring cleat
Quantity & Price	1 @ \$11.50
2016 Retailer #	Allen A.281
Dimension	152 mm
Retailer	apsltd.com
Fasteners	
Related Assembly	Bow
Prod URL	http://www.allenbrothers.co.uk/item_detail.asp?prod_id=52&id=203
Retailer URL	http://www.apsltd.com/holt-allen-nylon-open-cleats.html
Notes	Nylon Open Cleat - Max rope size 10 mm

Mirror 16 : Mooring fairleads

V1.RES.HW.26



Photo from 1969 M16

2016 Part Num	V1.RES.HW.26
1969 Part Num	H.A. 162
Description	Mooring fairleads
Quantity & Price	2 @ \$7.10
2016 Retailer #	Allen A.252
Dimension	inside Dia. 19 mm
Retailer	sailboats.co.uk
Fasteners	
Related Assembly	Bow
Prod URL	http://www.allenbrothers.co.uk/item_detail.asp?prod_id=80&id=5
Retailer URL	http://www.sailboats.co.uk/allen-bulseye-fairlead-unlined-19mm
Notes	19 mm is just less than 3/4 inch

Mirror 16 : Bolt for CB rubber stop

V1.RES.HW.27

2016 Part Num	V1.RES.HW.27
1969 Part Num	n/a
Description	Bolt for CB rubber stop
Quantity & Price	1 @
2016 Retailer #	
Dimension	Unsure
Retailer	
Fasteners	
Related Assembly	Center Case
Prod URL	
Retailer URL	
Notes	

Mirror 16 : Bolt for CB Stirrup

V1.RES.HW.28

2016 Part Num	V1.RES.HW.28
1969 Part Num	n/a
Description	Bolt for CB Stirrup
Quantity & Price	1 @
2016 Retailer #	
Dimension	Unsure
Retailer	
Fasteners	
Related Assembly	Center Case
Prod URL	
Retailer URL	
Notes	Centerboard rotates on this bolt

Mirror 16 : Centerboard rubber stop

V1.RES.HW.29



Photo from original M16

2016 Part Num	V1.RES.HW.29
1969 Part Num	n/a
Description	Centerboard rubber stop
Quantity & Price	2 @
2016 Retailer #	
Dimension	
Retailer	
Fasteners	
Related Assembly	Center Case
Prod URL	
Retailer URL	
Notes	need suggestion for rubber stop also need to know bolt size and length

Mirror 16 : C.B. Stirrup Fitting (centerboard)

V1.RES.HW.30

2016 Part Num	V1.RES.HW.30
1969 Part Num	H.A. 4100/SMT
Description	C.B. Stirrup Fitting (centerboard)
Quantity & Price	1 @
2016 Retailer #	
Dimension	
Retailer	
Fasteners	
Related Assembly	Center Case
Prod URL	
Retailer URL	
Notes	Need details and photo including size of bolt.

Need help from current M16 owner.

Can someone email details on size and a photo of the CB stirrup fitting. Also need to know the bolt size and length that holds the centerboard in place.

Photo from 1969 M16

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Mirror 16 : Eye Plates

V1.RES.HW.31



Photo from 2016 Retailer

2016 Part Num	V1.RES.HW.31
1969 Part Num	H.A. 3
Description	Eye Plates
Quantity & Price	3 @ \$11.09
2016 Retailer #	Allen A...3
Dimension	inside Dia. 12 mm
Retailer	apsltd.com
Fasteners	
Related Assembly	Floor
Prod URL	http://www.allenbrothers.co.uk/item_detail.asp?prod_id=81&id=516
Retailer URL	http://www.apsltd.com/anchor-plate-aluminum.html
Notes	Used to secure Hiking straps to floor

Mirror 16 : Hiking Straps 2" nylon webbing

V1.RES.HW.32



Photo from 2016 Retailer

2016 Part Num	V1.RES.HW.32
1969 Part Num	MG-58305
Description	Hiking Straps 2" nylon webbing
Quantity & Price	5 @ \$23.88
2016 Retailer #	MG-58305
Dimension	50mm Wide - price per meter
Retailer	sailboats.co.uk
Fasteners	
Related Assembly	Floor
Prod URL	http://www.marlowropes.com/leisure-marine-products-1/accessories
Retailer URL	http://www.sailboats.co.uk/marlow-toestrap-webbing-50mm-wide
Notes	Need help : Can someone find a lower cost alternative? Also do you have a recommended width? Also should we identify and list any other necessary hiking strap metal fittings?

Mirror 16 : Drain sockets with corks

V1.RES.HW.33



Photo from 2016 Retailer

2016 Part Num	V1.RES.HW.33
1969 Part Num	n/a
Description	Drain sockets with corks
Quantity & Price	8 @ \$5.48
2016 Retailer #	Allen A.323
Dimension	
Retailer	apsltd.com
Fasteners	
Related Assembly	Hull
Prod URL	http://www.allenbrothers.co.uk/item_detail.asp?prod_id=97&id=659
Retailer URL	http://www.apsltd.com/holt-allen-drain-plug-complete-assy.html
Notes	Need help from current M16 owner. Would you recommend using the original 4" or 6" inspection ports? Would you consider using both sizes depending on the location? For the two ports on the transom would flaps be a better choice? I noticed some rebuilt M16 do not have ports on the transom. Is that also OK?

Mirror 16 : Inspection Covers

V1.RES.HW.34



2016 Part Num	V1.RES.HW.34
1969 Part Num	H.A. 137
Description	Inspection Covers
Quantity & Price	5 @ \$12.03
2016 Retailer #	Allen A.537W
Dimension	6"
Retailer	sailboats.co.uk
Fasteners	
Related Assembly	Hull
Prod URL	http://www.allenbrothers.co.uk/item_detail.asp?prod_id=95&id=6
Retailer URL	http://www.sailboats.co.uk/allen-inspection-hatch-6-145mm-white
Notes	The 1969 inspection ports may have been 4"

Mirror 16 : Keel Band 15mm wide predrilled

V1.RES.HW.35



Need help : Can someone find a lower cost alternative? Also do you have a recommended width? I assume pre-drilled is optimal although that seems to increase the cost.

2016 Part Num	V1.RES.HW.35
1969 Part Num	n/a
Description	Keel Band 15mm wide predrilled
Quantity & Price	6 @ \$22.65
2016 Retailer #	Allen A0403
Dimension	15mm wide - price per meter
Retailer	sailboats.co.uk
Fasteners	Fix size no.6 or 8 screws. 10 holes per metre.
Related Assembly	Hull
Prod URL	http://www.allenbrothers.co.uk/item_detail.asp?prod_id=116&id=909
Retailer URL	http://www.sailboats.co.uk/allen-keelband-drilled-15mm-per-m
Notes	Aluminum strip along full length of Keel

Mirror 16 : Rudder Retaining Clip

V1.RES.HW.36



Photo from 2016 Retailer

2016 Part Num	V1.RES.HW.36
1969 Part Num	H.A. 21
Description	Rudder Retaining Clip
Quantity & Price	1 @ \$2.41
2016 Retailer #	Allen A0021
Dimension	L=54mm
Retailer	sailboats.co.uk
Fasteners	Fix Hole Size: 4mm
Related Assembly	Rudder
Prod URL	http://www.allenbrothers.co.uk/item_detail.asp?prod_id=93&id=6
Retailer URL	http://www.sailboats.co.uk/allen-rudder-retaining-clip-plastic-l-54r
Notes	Installed on Transom

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Mirror 16 : Rudder Halliard cleat

V1.RES.HW.37



Photo from 2016 Retailer

2016 Part Num	V1.RES.HW.37
1969 Part Num	H.A. 146
Description	Rudder Halliard cleat
Quantity & Price	1 @ \$1.80
2016 Retailer #	Allen A.146
Dimension	line size 2mm to 6mm
Retailer	sailboats.co.uk
Fasteners	Fix Hole Size: 4mm
Related Assembly	Rudder
Prod URL	http://www.allenbrothers.co.uk/item_detail.asp?prod_id=50&id=197
Retailer URL	http://www.sailboats.co.uk/allen-tubular-nylon-jam-cleat-67mm
Notes	Installed on Tiller

Mirror 16 : Rudder Halliard fairlead

V1.RES.HW.38



Photo from 2016 Retailer

2016 Part Num	V1.RES.HW.38
1969 Part Num	H.A. 153
Description	Rudder Halliard fairlead
Quantity & Price	1 @ \$.88
2016 Retailer #	Allen A0153
Dimension	inside Dia. 7 mm
Retailer	sailboats.co.uk
Fasteners	Fixing Hole Size: 3mm
Related Assembly	Rudder
Prod URL	http://www.allenbrothers.co.uk/item_detail.asp?prod_id=89&id=5
Retailer URL	http://www.sailboats.co.uk/allen-low-profile-open-base-fairlead-7r
Notes	Installed on Tiller Dist Between Fixing: 20mm

Mirror 16 : Rudder Pintle

V1.RES.HW.39



Photo from 2016 Retailer

2016 Part Num	V1.RES.HW.39
1969 Part Num	H.A. 4017 2"
Description	Rudder Pintle
Quantity & Price	1 @ \$26.82
2016 Retailer #	Allen A4017-51
Dimension	7.8mm Pin Dia. 51mm Width
Retailer	sailboats.co.uk
Fasteners	no.8 countersunk screws
Related Assembly	Rudder
Prod URL	http://www.allenbrothers.co.uk/item_detail.asp?prod_id=89&id=580
Retailer URL	http://www.sailboats.co.uk/allen-rudder-pintles-width-51mm
Notes	Upper portion of Rudder

Mirror 16 : Rudder Gudgeon

V1.RES.HW.40



Photo from 2016 Retailer

2016 Part Num	V1.RES.HW.40
1969 Part Num	H.A. 4018 2"
Description	Rudder Gudgeon
Quantity & Price	1 @ \$20.26
2016 Retailer #	Allen A4018-51
Dimension	8mm Pin Hole, 51mm Width
Retailer	sailboats.co.uk
Fasteners	no.8 countersunk screws
Related Assembly	Rudder
Prod URL	http://www.allenbrothers.co.uk/item_detail.asp?prod_id=89&id=5
Retailer URL	http://www.sailboats.co.uk/allen-rudder-gudgeon-width-51mm
Notes	Lower portion of Rudder

Mirror 16 : Transom Gudgeon

V1.RES.HW.41



Photo from 2016 Retailer

2016 Part Num	V1.RES.HW.41
1969 Part Num	H.A. 4020
Description	Transom Gudgeon
Quantity & Price	1 @ \$17.40
2016 Retailer #	Allen A4020
Dimension	8mm Pin Hole Dia. 76mm Width
Retailer	sailboats.co.uk
Fasteners	no.8 countersunk screws
Related Assembly	Rudder
Prod URL	http://www.allenbrothers.co.uk/item_detail.asp?prod_id=88&id=571
Retailer URL	http://www.sailboats.co.uk/allen-heavy-transom-gudgeon-width-76mm
Notes	Upper location on Transom

Mirror 16 : Transom Pintle

V1.RES.HW.42



Photo from 2016 Retailer

2016 Part Num	V1.RES.HW.42
1969 Part Num	H.A. 4019
Description	Transom Pintle
Quantity & Price	1 @ \$37.39
2016 Retailer #	Allen A4019
Dimension	7.8mm Pin Dia. 76mm Width
Retailer	sailboats.co.uk
Fasteners	no.8 countersunk screws
Related Assembly	Rudder
Prod URL	http://www.allenbrothers.co.uk/item_detail.asp?prod_id=88&id=5
Retailer URL	http://www.sailboats.co.uk/allen-pintle-pin-width-76mm-length-57
Notes	Lower location of Transom

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Mirror 16 : Tiller Swivel

V1.RES.HW.43



Photo from 2016 Retailer

2016 Part Num	V1.RES.HW.43
1969 Part Num	H.A. 4098
Description	Tiller Swivel
Quantity & Price	1 @ \$14.87
2016 Retailer #	Allen A4098
Dimension	3" Length 3/8" Thread
Retailer	sailboats.co.uk
Fasteners	
Related Assembly	Rudder
Prod URL	http://www.allenbrothers.co.uk/item_detail.asp?prod_id=948&id=633
Retailer URL	http://www.sailboats.co.uk/allen-universal-joint-with-base-plate-fixing
Notes	

Mirror 16 : placeholder

V1.RES.HW.45

2016 Part Num	V1.RES.HW.45
1969 Part Num	
Description	placeholder
Quantity & Price	@
2016 Retailer #	
Dimension	
Retailer	
Fasteners	
Related Assembly	
Prod URL	
Retailer URL	
Notes	

Mirror 16 : placeholder

V1.RES.HW.47

2016 Part Num	V1.RES.HW.47
1969 Part Num	
Description	placeholder
Quantity & Price	@
2016 Retailer #	
Dimension	
Retailer	
Fasteners	
Related Assembly	
Prod URL	
Retailer URL	
Notes	

Mirror 16 : Bow Eye for Trailer

V1.RES.HW.44



Photo from 1969 M16

2016 Part Num	V1.RES.HW.44
1969 Part Num	n/a
Description	Bow Eye for Trailer
Quantity & Price	1 @ \$20.20
2016 Retailer #	HM005735
Dimension	
Retailer	victory-products.com
Fasteners	
Related Assembly	Hull
Prod URL	
Retailer URL	http://victory-products.com/collections/u-bolts-eye-bolts-padeyes
Notes	

Mirror 16 : placeholder

V1.RES.HW.46

2016 Part Num	V1.RES.HW.46
1969 Part Num	
Description	placeholder
Quantity & Price	@
2016 Retailer #	
Dimension	
Retailer	
Fasteners	
Related Assembly	
Prod URL	
Retailer URL	
Notes	

Mirror 16 : placeholder

V1.RES.HW.48

2016 Part Num	V1.RES.HW.48
1969 Part Num	
Description	placeholder
Quantity & Price	@
2016 Retailer #	
Dimension	
Retailer	
Fasteners	
Related Assembly	
Prod URL	
Retailer URL	
Notes	



Photo Source: boatdesign.net

<http://www.boatdesign.net/forums/wooden-boat-building-restoration/mirror-16-foot-sailing-dinghy-12064.html>

[email updates to Don Schilling at rebuild_mirror_16@yahoo.com](mailto:rebuild_mirror_16@yahoo.com)

Below are links to Mirror 16 groups on the web.

<http://www.boatdesign.net/forums/wooden-boat-building-restoration/mirror-16-foot-sailing-dinghy-12064.html>

<https://groups.yahoo.com/neo/groups/Mirror16/info>

<https://www.facebook.com/mirror16>

The standing rig inventory is a very preliminary draft based on my limited observations.

I am hopeful that a current mirror 16 owner would offer to review this preliminary standing rigging draft and provide feedback.

I have reached out to a current mirror 16 owner who recently rebuilt a mast but have not yet heard back.

I had the most difficulty finding a modern low cost roller furling option.

Important consideration: should the roller furler simply spin around the forestay or should it have a tube or luff groove?

I focused on a standing rig supplier located in USA. It would be help to find suppliers in Australia and in the UK. Any suggestions?

The original mast was shipped in two sections although I assumed a single section could be utilized.

*Rebuilding the Mirror 16
one piece at a time....*

2016 Standing Rig for Mirror 16

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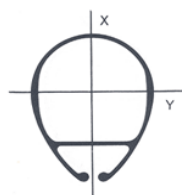
2016 Part Num	1969 Part Num	Description	2016 Retail #	2016 Retailer	Quantity	2016 Price	Ext. Price	Dimension	Assembly
V1.RES.SR.01	n/a	mast extrusion	DM-4 Mast	dwyer mast.com	21	\$19.20	\$403.20	2.4" x 3.0" x about 21 feet	Mast
V1.RES.SR.02	n/a	Mast head with Nylon Sheaves	DH 104	dwyer mast.com	1	\$36.50	\$36.50		Mast
V1.RES.SR.03	n/a	Hinged mast step	DH 218H	dwyer mast.com	1	\$74.00	\$74.00		Mast
V1.RES.SR.04	n/a	Fixed Goosneck Bracket	DH 4124	dwyer mast.com	1	\$34.75	\$34.75		Mast
V1.RES.SR.05	n/a	Tang - Shroud Attachment	DH 70	dwyer mast.com	2	\$14.75	\$29.50		Mast
V1.RES.SR.06	n/a	Mast Eye - for spinnaker pole	DH 601	dwyer mast.com	1	\$24.70	\$24.70		Mast
V1.RES.SR.07	n/a	Hound Assembly for Spinnaker Halyar	DH 856	dwyer mast.com	1	\$40.00	\$40.00		Mast
V1.RES.SR.08	n/a	Bail for Forestay	DH 312	dwyer mast.com	1	\$6.20	\$6.20		Mast
V1.RES.SR.09	n/a	placeholder					\$0.00		Mast
V1.RES.SR.10	n/a	placeholder					\$0.00		Mast
V1.RES.SR.11	n/a	placeholder					\$0.00		Mast
V1.RES.SR.12	n/a	placeholder					\$0.00		Mast
V1.RES.SR.13	n/a	boom extrusion	DM-275 Boom	dwyer mast.com	11	\$15.20	\$159.60	1.75" x 2.75" x about 10.5 feet	Boom
V1.RES.SR.14	n/a	Outhaul cap with Tang	DH 656	dwyer mast.com	1	\$18.75	\$18.75		Boom
V1.RES.SR.15	n/a	Gooseneck casting	DH 355C	dwyer mast.com	1	\$21.40	\$21.40		Boom
V1.RES.SR.16	n/a	Bail for main sheet blocks	DH 312	dwyer mast.com	2	\$6.20	\$12.40		Boom
V1.RES.SR.17	n/a	Vang Plate	DH 901	dwyer mast.com	1	\$12.10	\$12.10		Boom
V1.RES.SR.18	n/a	Cheek block for outhaul	DH 908	dwyer mast.com	1	\$17.00	\$17.00		Boom
V1.RES.SR.19	n/a	Cleat for outhaul line	DH 841	dwyer mast.com	1	\$12.20	\$12.20		Boom
V1.RES.SR.20	n/a	Cheek block for mainsail reefing	DH 908	dwyer mast.com	1	\$17.00	\$17.00		Boom
V1.RES.SR.21	n/a	Cleat for mainsail reefing line	DH 841	dwyer mast.com	1	\$12.20	\$12.20		Boom
V1.RES.SR.22	n/a	placeholder					\$0.00		Boom
V1.RES.SR.23	n/a	placeholder					\$0.00		Boom
V1.RES.SR.24	n/a	Forestay wire	181x19316		14	\$0.65	\$9.10	1/8 stainless	Forestay
V1.RES.SR.25	n/a	Aircraft type fork	AF4		2	\$10.90	\$21.80	1/8 wire size with 3/16 pin	Forestay
V1.RES.SR.26	n/a	Rigging charge	L24		2	\$7.50	\$15.00	swage fitting	Forestay
V1.RES.SR.27	n/a	Shroud wire	181x19316		30	\$0.65	\$19.50	1/8 stainless	Shroud
V1.RES.SR.28	n/a	Aircraft type fork	AF4		4	\$10.90	\$43.60	1/8 wire size with 3/16 pin	Shroud
V1.RES.SR.29	n/a	Rigging charge	L24		4	\$7.50	\$30.00	swage fitting	Shroud
V1.RES.SR.30	n/a	placeholder					\$0.00		
V1.RES.SR.31	H.A. 4167	Turnbuckles (Jaw to Jaw)	14TFBJ		2	\$29.79	\$59.58		Shroud
V1.RES.SR.32							\$0.00		
V1.RES.SR.33		Roller fulring components					\$0.00		
V1.RES.SR.34							\$0.00		
V1.RES.SR.35		Spinnaker Pole extrusion	MG-300620		7	\$19.17	\$134.19	Alloy Tube 25mm	spinnaker
V1.RES.SR.36		Spinnaker Pole ends	A4431		2	\$25.52	\$51.04	Allen Spinnaker Pole End 25mm Tube	spinnaker
V1.RES.SR.37							\$0.00		
V1.RES.SR.38							\$0.00		
V1.RES.SR.39							\$0.00		
V1.RES.SR.40		Need help from current M16 owner.					\$0.00		
V1.RES.SR.41		All of the mast and boom parts are based on my limited observations and may or may not be appropriately sized.					\$0.00		
V1.RES.SR.42							\$0.00		
V1.RES.SR.43		Can anyone who has built a modern M16 mast provide insight into suggested mast and boom components?					\$0.00		
V1.RES.SR.44							\$0.00		
V1.RES.SR.45							\$0.00		
							<u>\$1,315</u>		

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Mirror 16 : mast extrusion V1.RES.SR.01

DM-4 Mast



Dimensions: **2.40 in. x 3.00 in.**
Weight: **1.05 lb./ft.**
 $I_x = .548 \text{ in}^4$
 $I_y = .732 \text{ in}^4$
Price for extrusion only: **\$19.20/Foot**

Photo from 2016 Retailer

2016 Part Num	V1.RES.SR.01
1969 Part Num	n/a
Description	mast extrusion
Quantity & Price	21 @ \$19.20
2016 Retailer #	DM-4 Mast
Dimension	2.4" x 3.0" x about 21 feet
Retailer	dwyer mast.com
Fasteners	
Related Assembly	Mast
Prod URL	
Retailer URL	https://www.dwyermast.com/items.asp?cat1ID=20&cat1Name=Masts&familyID=36&familyName=DM%204+Mast
Notes	Original Mast was 2 7/8" x 2 1/2" HA. m.m. 89

Mirror 16 : Mast head with Nylon Sheaves V1.RES.SR.02



DH 104 Masthead with Nylon Sheaves \$36.50

use (2) SSP4 pop rivets

Photo from 2016 Retailer

2016 Part Num	V1.RES.SR.02
1969 Part Num	n/a
Description	Mast head with Nylon Sheaves
Quantity & Price	1 @ \$36.50
2016 Retailer #	DH 104
Dimension	
Retailer	dwyer mast.com
Fasteners	SSP4 pop rivets (2)
Related Assembly	Mast
Prod URL	
Retailer URL	https://www.dwyermast.com/items.asp?cat1ID=20&cat1Name=M
Notes	
Need help from current M16 owner.	
Would you recommend external or internal main halyard?	

Mirror 16 : Hinged mast step V1.RES.SR.03



DH 218H Hinged Step \$74.00

use (2) SSP4 pop rivets

Photo from 2016 Retailer

2016 Part Num	V1.RES.SR.03
1969 Part Num	n/a
Description	Hinged mast step
Quantity & Price	1 @ \$74.00
2016 Retailer #	DH 218H
Dimension	
Retailer	dwyer mast.com
Fasteners	SSP4 pop rivets (2)
Related Assembly	Mast
Prod URL	
Retailer URL	https://www.dwyermast.com/items.asp?cat1ID=20&cat1Name=Masts&familyID=36&familyName=DM%204+Mast
Need help from current M16 owner.	
Any thoughts on this style of mast step?	

Mirror 16 : Fixed Gooseneck Bracket V1.RES.SR.04



DH 4124 Heavy Duty Fixed Gooseneck Bracket \$34.75

use (6) SSP2 pop rivets

Photo from 2016 Retailer

2016 Part Num	V1.RES.SR.04
1969 Part Num	n/a
Description	Fixed Gooseneck Bracket
Quantity & Price	1 @ \$34.75
2016 Retailer #	DH 4124
Dimension	
Retailer	dwyer mast.com
Fasteners	SSP2 pop rivets (6)
Related Assembly	Mast
Prod URL	
Retailer URL	https://www.dwyermast.com/items.asp?cat1ID=20&cat1Name=M
Notes	

Mirror 16 : Tang - Shroud Attachment V1.RES.SR.05



DH 70 Tang \$14.75

use (4) SSP2 pop rivets

Photo from 2016 Retailer

2016 Part Num	V1.RES.SR.05
1969 Part Num	n/a
Description	Tang - Shroud Attachment
Quantity & Price	2 @ \$14.75
2016 Retailer #	DH 70
Dimension	
Retailer	dwyer mast.com
Fasteners	SSP2 pop rivets (8)
Related Assembly	Mast
Prod URL	
Retailer URL	https://www.dwyermast.com/items.asp?cat1ID=20&cat1Name=Masts&familyID=36&familyName=DM%204+Mast
Notes	

Mirror 16 : Mast Eye - for spinnaker pole V1.RES.SR.06



DH 601 Mast Eye \$24.70

use (4) SSP2 pop rivets

Photo from 2016 Retailer

2016 Part Num	V1.RES.SR.06
1969 Part Num	n/a
Description	Mast Eye - for spinnaker pole
Quantity & Price	1 @ \$24.70
2016 Retailer #	DH 601
Dimension	
Retailer	dwyer mast.com
Fasteners	SSP2 pop rivets (4)
Related Assembly	Mast
Prod URL	
Retailer URL	https://www.dwyermast.com/items.asp?cat1ID=20&cat1Name=M
Notes	

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Mirror 16 : Hound Assembly for Spinnaker Halyard V1.RES.SR.07



DH 856A
Hound
Assembly
\$40.00

use (1) BN1 bolt
w/nut & (2) SSP2
pop rivets

2016 Part Num	V1.RES.SR.07
1969 Part Num	n/a
Description	Hound Assembly for Spinnaker Halyard
Quantity & Price	1 @ \$40.00
2016 Retailer #	DH 856
Dimension	
Retailer	dwyer mast.com
Fasteners	SSP2 pop rivets (2) & BN1 Bolt
Related Assembly	Mast
Prod URL	
Retailer URL	https://www.dwyermast.com/items.asp?cat1ID=20&cat1Name=Masts&familyID=36&familyName=DM%204+Mast

Need help from current M16 owner.

This particular spin halyard fitting also has side fittings that could be used to secure the shrouds. Based on the mast measurements could that work? If so we would not need separate tabs for the shrouds.

Mirror 16 : placeholder V1.RES.SR.09

2016 Part Num	V1.RES.SR.09
1969 Part Num	n/a
Description	placeholder
Quantity & Price	@
2016 Retailer #	
Dimension	
Retailer	
Fasteners	
Related Assembly	Mast
Prod URL	
Retailer URL	
Notes	

Photo from 2016 Retailer

Mirror 16 : placeholder V1.RES.SR.11

2016 Part Num	V1.RES.SR.11
1969 Part Num	n/a
Description	placeholder
Quantity & Price	@
2016 Retailer #	
Dimension	
Retailer	
Fasteners	
Related Assembly	Mast
Prod URL	
Retailer URL	
Notes	

Photo from 2016 Retailer

Mirror 16 : Bail for Forestay V1.RES.SR.08



DH 312
Bail
\$6.20

use (4) SSP2 pop
rivets

2016 Part Num	V1.RES.SR.08
1969 Part Num	n/a
Description	Bail for Forestay
Quantity & Price	1 @ \$6.20
2016 Retailer #	DH 312
Dimension	
Retailer	dwyer mast.com
Fasteners	
Related Assembly	Mast
Prod URL	
Retailer URL	https://www.dwyermast.com/items.asp?cat1ID=20&cat1Name=Masts&familyID=36&familyName=DM%204+Mast
Notes	

Photo from 2016 Retailer

Mirror 16 : placeholder V1.RES.SR.10

2016 Part Num	V1.RES.SR.10
1969 Part Num	n/a
Description	placeholder
Quantity & Price	@
2016 Retailer #	
Dimension	
Retailer	
Fasteners	
Related Assembly	Mast
Prod URL	
Retailer URL	
Notes	

Photo from 2016 Retailer

Mirror 16 : placeholder V1.RES.SR.12

2016 Part Num	V1.RES.SR.12
1969 Part Num	n/a
Description	placeholder
Quantity & Price	@
2016 Retailer #	
Dimension	
Retailer	
Fasteners	
Related Assembly	Mast
Prod URL	
Retailer URL	
Notes	

Photo from 2016 Retailer

2016 Standing Rig for Mirror 16

Draft as of 2016.04.16 v1

Mirror 16 : boom extrusion

V1.RES.SR.13

DM-275 Boom



Dimensions: **1.75 in. x 2.75 in.**
Weight: **.824 lb./ft.**
Ix = **.25 in^4**
Iy = **.48 in^4**
Price for extrusion only: **\$15.20/Foot**

Photo from 2016 Retailer

2016 Part Num	V1.RES.SR.13
1969 Part Num	n/a
Description	boom extrusion
Quantity & Price	10.5 @ \$15.20
2016 Retailer #	DM-275 Boom
Dimension	1.75" x 2.75" x about 10.5 feet
Retailer	dwyerma.com
Fasteners	
Related Assembly	Boom
Prod URL	
Retailer URL	https://www.dwyermast.com/items.asp?cat1ID=30&cat1Name=Booms&familyID=5&familyName=DM-275+Boom
Notes	Original Boom was 3 1/2" x 1 1/4" HA.MB. 7

Mirror 16 : Outhaul cap with Tang

V1.RES.SR.14



DH 656 Outhaul Cap with Tang

use (2) SSP3 pop rivets

Photo from 2016 Retailer

2016 Part Num	V1.RES.SR.14
1969 Part Num	n/a
Description	Outhaul cap with Tang
Quantity & Price	1 @ \$18.75
2016 Retailer #	DH 656
Dimension	
Retailer	dwyerma.com
Fasteners	SSP3 pop rivets (2)
Related Assembly	Boom
Prod URL	
Retailer URL	https://www.dwyermast.com/items.asp?cat1ID=30&cat1Name=Bo
Notes	

Mirror 16 : Gooseneck casting

V1.RES.SR.15



DH 355C Gooseneck Casting

use (2) SSP3 pop rivets

Photo from 2016 Retailer

2016 Part Num	V1.RES.SR.15
1969 Part Num	n/a
Description	Gooseneck casting
Quantity & Price	1 @ \$21.40
2016 Retailer #	DH 355C
Dimension	
Retailer	dwyerma.com
Fasteners	SSP3 pop rivets (2)
Related Assembly	Boom
Prod URL	
Retailer URL	https://www.dwyermast.com/items.asp?cat1ID=30&cat1Name=Booms&familyID=5&familyName=DM-275+Boom
Notes	

Mirror 16 : Bail for main sheet blocks

V1.RES.SR.16



DH 312 Bail

use (4) SSP2 pop rivets

Photo from 2016 Retailer

2016 Part Num	V1.RES.SR.16
1969 Part Num	n/a
Description	Bail for main sheet blocks
Quantity & Price	2 @ \$6.20
2016 Retailer #	DH 312
Dimension	
Retailer	dwyerma.com
Fasteners	SSP2 pop rivets (4)
Related Assembly	Boom
Prod URL	
Retailer URL	https://www.dwyermast.com/items.asp?cat1ID=30&cat1Name=Bo
Notes	

Mirror 16 : Vang Plate

V1.RES.SR.17



DH 901 Vang Plate

Accepts ball swaged on 1/8" wire. Use (4) SSP2 pop rivets.

Photo from 2016 Retailer

2016 Part Num	V1.RES.SR.17
1969 Part Num	n/a
Description	Vang Plate
Quantity & Price	1 @ \$12.10
2016 Retailer #	DH 901
Dimension	
Retailer	dwyerma.com
Fasteners	SSP2 pop rivets (4)
Related Assembly	Boom
Prod URL	
Retailer URL	https://www.dwyermast.com/items.asp?cat1ID=30&cat1Name=Booms&familyID=5&familyName=DM-275+Boom
Notes	

Mirror 16 : Cheek block for outhaul

V1.RES.SR.18



DH 908 Cheek Block

use (4) SSP2 pop rivets

Photo from 2016 Retailer

2016 Part Num	V1.RES.SR.18
1969 Part Num	n/a
Description	Cheek block for outhaul
Quantity & Price	1 @ \$17.00
2016 Retailer #	DH 908
Dimension	
Retailer	dwyerma.com
Fasteners	SSP2 pop rivets (4)
Related Assembly	Boom
Prod URL	
Retailer URL	https://www.dwyermast.com/items.asp?cat1ID=30&cat1Name=Bo
Notes	

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Mirror 16 : Cleat for outhaul line V1.RES.SR.19



DH 841
3-1/4" Halyard
Cleat
\$12.20

use (2) POH1
screws

Photo from 2016 Retailer

2016 Part Num	V1.RES.SR.19
1969 Part Num	n/a
Description	Cleat for outhaul line
Quantity & Price	1 @ \$12.20
2016 Retailer #	DH 841
Dimension	
Retailer	dwyerma.com
Fasteners	POH1 screw (2)
Related Assembly	Boom
Prod URL	
Retailer URL	https://www.dwyermast.com/items.asp?cat1ID=30&cat1Name=Booms&familyID=5&familyName=DM-275+Boom
Notes	

Mirror 16 : Cheek block for mainsail reefing V1.RES.SR.20



DH 908
Cheek Block
\$17.00

use (4) SSP2 pop
rivets

Photo from 2016 Retailer

2016 Part Num	V1.RES.SR.20
1969 Part Num	n/a
Description	Cheek block for mainsail reefing
Quantity & Price	1 @ \$17.00
2016 Retailer #	DH 908
Dimension	
Retailer	dwyerma.com
Fasteners	SSP2 pop rivets (4)
Related Assembly	Boom
Prod URL	
Retailer URL	https://www.dwyermast.com/items.asp?cat1ID=30&cat1Name=Bo
Notes	

Mirror 16 : Cleat for mainsail reefing line V1.RES.SR.21



DH 841
3-1/4" Halyard
Cleat
\$12.20

use (2) POH1
screws

Photo from 2016 Retailer

2016 Part Num	V1.RES.SR.21
1969 Part Num	n/a
Description	Cleat for mainsail reefing line
Quantity & Price	1 @ \$12.20
2016 Retailer #	DH 841
Dimension	
Retailer	dwyerma.com
Fasteners	POH1 screw (2)
Related Assembly	Boom
Prod URL	
Retailer URL	https://www.dwyermast.com/items.asp?cat1ID=30&cat1Name=Booms&familyID=5&familyName=DM-275+Boom
Notes	

Mirror 16 : placeholder V1.RES.SR.22

Photo from 2016 Retailer

2016 Part Num	V1.RES.SR.22
1969 Part Num	n/a
Description	placeholder
Quantity & Price	@
2016 Retailer #	
Dimension	
Retailer	
Fasteners	
Related Assembly	Boom
Prod URL	
Retailer URL	
Notes	

Mirror 16 : placeholder V1.RES.SR.23

2016 Part Num	V1.RES.SR.23
1969 Part Num	n/a
Description	placeholder
Quantity & Price	@
2016 Retailer #	
Dimension	
Retailer	
Fasteners	
Related Assembly	Boom
Prod URL	
Retailer URL	
Notes	

Mirror 16 : Forestay wire V1.RES.SR.24



Photo from 2016 Retailer

2016 Part Num	V1.RES.SR.24
1969 Part Num	n/a
Description	Forestay wire
Quantity & Price	14 @ \$.65
2016 Retailer #	181x19316
Dimension	1/8 stainless
Retailer	
Fasteners	n/a
Related Assembly	Forestay
Prod URL	
Retailer URL	https://www.riggingandhardware.com/p-46492-18-1x19-type-316-
Need help from current M16 owner.	
Can you provide accurate length measurement?	

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Mirror 16 : Aircraft type fork

V1.RES.SR.25



Photo from 2016 Retailer

2016 Part Num	V1.RES.SR.25
1969 Part Num	n/a
Description	Aircraft type fork
Quantity & Price	2 @ \$10.90
2016 Retailer #	AF4
Dimension	1/8 wire size with 3/16 pin
Retailer	
Fasteners	n/a
Related Assembly	Forestay
Prod URL	
Retailer URL	https://www.riggingandhardware.com/p-41748-aircraft-type-fork-18-wire-316-pin.aspx
Notes	

Mirror 16 : Rigging charge

V1.RES.SR.26



Rigging assembly charge 3132-3116

2016 Part Num	V1.RES.SR.26
1969 Part Num	n/a
Description	Rigging charge
Quantity & Price	2 @ \$7.50
2016 Retailer #	L24
Dimension	swage fitting
Retailer	
Fasteners	n/a
Related Assembly	Forestay
Prod URL	
Retailer URL	https://www.riggingandhardware.com/p-46480-rigging-assembly-charge-3132-3116.aspx
Notes	

Mirror 16 : Shroud wire

V1.RES.SR.27



2016 Part Num	V1.RES.SR.27
1969 Part Num	n/a
Description	Shroud wire
Quantity & Price	30 @ \$.65
2016 Retailer #	181x19316
Dimension	1/8 stainless
Retailer	
Fasteners	n/a
Related Assembly	Shroud
Prod URL	
Retailer URL	https://www.riggingandhardware.com/p-46492-18-1x19-type-316-stainless.aspx
Notes	Need help from current M16 owner. Can you provide accurate length measurement?

Mirror 16 : Aircraft type fork

V1.RES.SR.28



2016 Part Num	V1.RES.SR.28
1969 Part Num	n/a
Description	Aircraft type fork
Quantity & Price	4 @ \$10.90
2016 Retailer #	AF4
Dimension	1/8 wire size with 3/16 pin
Retailer	
Fasteners	n/a
Related Assembly	Shroud
Prod URL	
Retailer URL	https://www.riggingandhardware.com/p-41748-aircraft-type-fork-18-wire-316-pin.aspx
Notes	

Mirror 16 : Rigging charge

V1.RES.SR.29



Rigging assembly charge 3132-3116

2016 Part Num	V1.RES.SR.29
1969 Part Num	n/a
Description	Rigging charge
Quantity & Price	4 @ \$7.50
2016 Retailer #	L24
Dimension	swage fitting
Retailer	
Fasteners	n/a
Related Assembly	Shroud
Prod URL	
Retailer URL	https://www.riggingandhardware.com/p-46480-rigging-assembly-charge-3132-3116.aspx
Notes	

Mirror 16 : placeholder

V1.RES.SR.30

2016 Part Num	V1.RES.SR.30
1969 Part Num	n/a
Description	placeholder
Quantity & Price	@
2016 Retailer #	
Dimension	
Retailer	
Fasteners	
Related Assembly	
Prod URL	
Retailer URL	
Notes	

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Mirror 16 : Turnbuckles (Jaw to Jaw)

V1.RES.SR.31



Photo from 2016 Retailer

2016 Part Num	V1.RES.SR.31
1969 Part Num	H.A. 4167
Description	Turnbuckles (Jaw to Jaw)
Quantity & Price	2 @ \$29.79
2016 Retailer #	14TFBJ
Dimension	
Retailer Fasteners	
Related Assembly	Shroud
Prod URL	
Retailer URL	https://www.riggingandhardware.com/p-43975-jaw-to-jaw-tfb-14-jaw-14-pin.aspx
Notes	

Mirror 16 :

V1.RES.SR.32

2016 Part Num	V1.RES.SR.32
1969 Part Num	
Description	@
Quantity & Price	
2016 Retailer #	
Dimension	
Retailer Fasteners	
Related Assembly	
Prod URL	
Retailer URL	
Notes	

Photo from 2016 Retailer

Mirror 16 : Roller furling components

V1.RES.SR.33



Photo from older Mirror 16

2016 Part Num	V1.RES.SR.33
1969 Part Num	
Description	Roller furling components
Quantity & Price	@
2016 Retailer #	
Dimension	
Retailer Fasteners	
Related Assembly	
Prod URL	
Retailer URL	
Notes	Need help selecting a low cost modern roller furler. What are the pros and cons of having a modern roller furler simply wrap around forestay versus having a tube or slotted luff edge? Any thoughts about the Ronstan 2.5" drum roller furler?

Mirror 16 :

Ronstan Furler Drum 2.5" Fork/Fork

\$83.50 / each

Code: 21-0076

QTY: 1

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Description

Ronstan's 2-1/2" (65mm) diameter enclosed roller furling drum features a stainless steel ball bearing swivel unit, acetal drum, and fork and fork take-off with 6.4mm (1/4") diameter pins. Breaking load: 3740 lbs. Overall height 80mm (3-1/8"); weight 5.5 oz. Used on small dinghies and catamarans.

Photo from 2016 Retailer

Mirror 16 : Spinnaker Pole extrusion

V1.RES.SR.35



Photo from 2016 Retailer

2016 Part Num	V1.RES.SR.35
1969 Part Num	
Description	Spinnaker Pole extrusion
Quantity & Price	7 @ \$19.17
2016 Retailer #	MG-300620
Dimension	Alloy Tube 25mm
Retailer Fasteners	n/a
Related Assembly	spinnaker
Prod URL	
Retailer URL	http://www.sailboats.co.uk/aluminium-tube-25-or-32mm
Notes	Is 25mm a fair size? Max allowed length is 6' 7"

Mirror 16 : Spinnaker Pole ends

V1.RES.SR.36



Photo from 2016 Retailer

2016 Part Num	V1.RES.SR.36
1969 Part Num	
Description	Spinnaker Pole ends
Quantity & Price	2 @ \$25.52
2016 Retailer #	A4431
Dimension	Allen Spinnaker Pole End 25mm Tube
Retailer Fasteners	
Related Assembly	spinnaker
Prod URL	
Retailer URL	http://www.sailboats.co.uk/allen-spinnaker-pole-end-25mm-tube
Notes	

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2016 Part Num	1969 Part Num	Description	2016 Retail #	2016 Retailer	Quantity	2016 Price	Ext. Price	Dimension	Assembly
V1.RES.RR.01	n/a	Main sheet	NEBZL 5/16"	apsltd.com	45	\$0.66	\$29.70	8mm or 5/16"	Running rigging
V1.RES.RR.02	n/a	Jib sheet	NEBZL 5/16"	apsltd.com	40	\$0.66	\$26.40	8mm or 5/16"	Running rigging
V1.RES.RR.03	n/a	Spinnaker Sheet	RBLDSH 1/4"	apsltd.com	50	\$0.58	\$29.00	6mm or 1/4"	Running rigging
V1.RES.RR.04							\$0.00		Running rigging
V1.RES.RR.05	n/a	Halyard mainsail	NEFIL 1/4"	apsltd.com	50	\$0.63	\$31.50	6mm or 1/4"	Running rigging
V1.RES.RR.06	n/a	Halyard Jib	NEFIL 1/4"	apsltd.com	50	\$0.63	\$31.50	6mm or 1/4"	Running rigging
V1.RES.RR.07	n/a	Halyard Spinnaker	NEFIL 1/4"	apsltd.com	55	\$0.63	\$34.65	6mm or 1/4"	Running rigging
V1.RES.RR.08							\$0.00		Running rigging
V1.RES.RR.09	n/a	Roller furling line Jib	MREXP 3/16"	apsltd.com	12	\$0.51	\$6.12	5 mm or 3/16"	Running rigging
V1.RES.RR.10	n/a	Mainsail reefing line	MREXP 3/16"	apsltd.com	5	\$0.51	\$2.55	5 mm or 3/16"	Running rigging
V1.RES.RR.11	n/a	Boom Vang line	MREXP 3/16"	apsltd.com	10	\$0.51	\$5.10	5 mm or 3/16"	Running rigging
V1.RES.RR.12	n/a	Mainsail Outhaul	MREXP 3/16"	apsltd.com	3	\$0.51	\$1.53	5 mm or 3/16"	Running rigging
V1.RES.RR.13	n/a	Main Sheet Traveler	NEBZL 5/16"	apsltd.com	8	\$0.55	\$4.40	8mm or 5/16"	Running rigging
V1.RES.RR.14	n/a	Rudder Downhaul	MREXP 3/16"	apsltd.com	3	\$0.51	\$1.53	5 mm or 3/16"	Running rigging
V1.RES.RR.15	n/a	Rudder shock cord	MRSC 3/16"	apsltd.com	2	\$0.46	\$0.92	5 mm or 3/16"	Running rigging
V1.RES.RR.16	n/a	Centerboard shock cord	MRSC 3/16"	apsltd.com	2	\$0.46	\$0.92	5 mm or 3/16"	Running rigging
V1.RES.RR.17							\$0.00		Running rigging
V1.RES.RR.18							\$0.00		
V1.RES.RR.19	n/a	Main Sail		??	1		\$0.00		Sails
V1.RES.RR.20	n/a	Jib		??	1		\$0.00		Sails
V1.RES.RR.21	n/a	Spinnaker		??	1		\$0.00		Sails
V1.RES.RR.22							\$0.00		
V1.RES.RR.23							\$0.00		
V1.RES.RR.24							\$0.00		
V1.RES.RR.25							\$0.00		
V1.RES.RR.26							\$0.00		
V1.RES.RR.27							\$0.00		
V1.RES.RR.28							\$0.00		
V1.RES.RR.29							\$0.00		
V1.RES.RR.30							\$0.00		
V1.RES.RR.31							\$0.00		
V1.RES.RR.32							\$0.00		
V1.RES.RR.33							\$0.00		
V1.RES.RR.34							\$0.00		
V1.RES.RR.35							\$0.00		
V1.RES.RR.36							\$0.00		
V1.RES.RR.37							\$0.00		
V1.RES.RR.38							\$0.00		
V1.RES.RR.39							\$0.00		
V1.RES.RR.40							\$0.00		
V1.RES.RR.41							\$0.00		
V1.RES.RR.42							\$0.00		
V1.RES.RR.43							\$0.00		
V1.RES.RR.44							\$0.00		
V1.RES.RR.45							\$0.00		
							<u>\$206</u>		

Need help from current M16 owner.

All of these line dimensions and lengths are based on my limited observations.

Can someone offer to review the complete running rigging list and provide an update?

Also the original 1969 list did not specify boom topping lift or spinnaker topping lift or downhaul. Should we add those to the our modern list?

Sails:

I have an email out to Swiftsails.co.uk to see if they would provide a quote on new Mirror 16 sails. Have not yet heard back.

Does anyone have a sailmaker recommendation and sense of the modern cost for main, jib and spinnaker?

2016 Running Rigging for Mirror 16

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Mirror 16 : Main sheet

V1.RES.RR.01



Photo from 2016 Retailer

2016 Part Num	V1.RES.RR.01
1969 Part Num	n/a
Description	Main sheet
Quantity & Price	45 @ \$.66
2016 Retailer #	NEBZL 5/16"
Dimension	8mm or 5/16"
Retailer	apsltd.com
Fasteners	
Related Assembly	Running rigging
Prod URL	
Retailer URL	http://www.apsltd.com/new-england-ropes-buzz-line.html
Notes	length in feet ballpark estimate - need input on actual length New England Ropes Buzz Line

Mirror 16 : Jib sheet

V1.RES.RR.02



Photo from 2016 Retailer

2016 Part Num	V1.RES.RR.02
1969 Part Num	n/a
Description	Jib sheet
Quantity & Price	40 @ \$.66
2016 Retailer #	NEBZL 5/16"
Dimension	8mm or 5/16"
Retailer	apsltd.com
Fasteners	
Related Assembly	Running rigging
Prod URL	
Retailer URL	http://www.apsltd.com/new-england-ropes-buzz-line.html
Notes	length in feet ballpark estimate - need input on actual length New England Ropes Buzz Line

Mirror 16 : Spinnaker Sheet

V1.RES.RR.03



Photo from 2016 Retailer

2016 Part Num	V1.RES.RR.03
1969 Part Num	n/a
Description	Spinnaker Sheet
Quantity & Price	50 @ \$.58
2016 Retailer #	RBLDSH 1/4"
Dimension	6mm or 1/4"
Retailer	apsltd.com
Fasteners	
Related Assembly	Running rigging
Prod URL	
Retailer URL	http://www.apsltd.com/fes-roblime-dinghy-sheet-line.html
Notes	length in feet ballpark estimate - need input on actual length FES Robline Dinghy Sheet Line

Mirror 16 :

V1.RES.RR.04

Photo from 2016 Retailer

2016 Part Num	V1.RES.RR.04
1969 Part Num	
Description	
Quantity & Price	@
2016 Retailer #	
Dimension	
Retailer	
Fasteners	
Related Assembly	Running rigging
Prod URL	
Retailer URL	
Notes	

Mirror 16 : Halyard mainsail

V1.RES.RR.05



Photo from 2016 Retailer

2016 Part Num	V1.RES.RR.05
1969 Part Num	n/a
Description	Halyard mainsail
Quantity & Price	50 @ \$.63
2016 Retailer #	NEFIL 1/4"
Dimension	6mm or 1/4"
Retailer	apsltd.com
Fasteners	
Related Assembly	Running rigging
Prod URL	
Retailer URL	http://www.apsltd.com/new-england-ropes-finish-line.html
Notes	length in feet ballpark estimate - need input on actual length New England Ropes Finish Line

Mirror 16 : Halyard Jib

V1.RES.RR.06



Photo from 2016 Retailer

2016 Part Num	V1.RES.RR.06
1969 Part Num	n/a
Description	Halyard Jib
Quantity & Price	50 @ \$.63
2016 Retailer #	NEFIL 1/4"
Dimension	6mm or 1/4"
Retailer	apsltd.com
Fasteners	
Related Assembly	Running rigging
Prod URL	
Retailer URL	http://www.apsltd.com/new-england-ropes-finish-line.html
Notes	length in feet ballpark estimate - need input on actual length New England Ropes Finish Line

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Mirror 16 : Halyard Spinnaker V1.RES.RR.07



Photo from 2016 Retailer

2016 Part Num	V1.RES.RR.07
1969 Part Num	n/a
Description	Halyard Spinnaker
Quantity & Price	55 @ \$.63
2016 Retailer #	NEFIL 1/4"
Dimension	6mm or 1/4"
Retailer	apsltd.com
Fasteners	
Related Assembly	Running rigging
Prod URL	
Retailer URL	http://www.apsltd.com/new-england-ropes-finish-line.html
Notes	length in feet ballpark estimate - need input on actual length New England Ropes Finish Line

Mirror 16 : V1.RES.RR.08

2016 Part Num	V1.RES.RR.08
1969 Part Num	
Description	
Quantity & Price	@
2016 Retailer #	
Dimension	
Retailer	
Fasteners	
Related Assembly	Running rigging
Prod URL	
Retailer URL	
Notes	

Photo from 2016 Retailer

Mirror 16 : Roller furling line Jib V1.RES.RR.09



Photo from 2016 Retailer

2016 Part Num	V1.RES.RR.09
1969 Part Num	n/a
Description	Roller furling line Jib
Quantity & Price	12 @ \$.51
2016 Retailer #	MREXP 3/16"
Dimension	5 mm or 3/16"
Retailer	apsltd.com
Fasteners	
Related Assembly	Running rigging
Prod URL	
Retailer URL	http://www.apsltd.com/marlow-ropes-excel-pro-line.html
Notes	length in feet ballpark estimate - need input on actual length Marlow Excel Pro: 3/16" (5mm)

Mirror 16 : Mainsail reefing line V1.RES.RR.10



2016 Part Num	V1.RES.RR.10
1969 Part Num	n/a
Description	Mainsail reefing line
Quantity & Price	5 @ \$.51
2016 Retailer #	MREXP 3/16"
Dimension	5 mm or 3/16"
Retailer	apsltd.com
Fasteners	
Related Assembly	Running rigging
Prod URL	
Retailer URL	http://www.apsltd.com/marlow-ropes-excel-pro-line.html
Notes	length in feet ballpark estimate - need input on actual length Marlow Excel Pro: 3/16" (5mm)

Mirror 16 : Boom Vang line V1.RES.RR.11



Photo from 2016 Retailer

2016 Part Num	V1.RES.RR.11
1969 Part Num	n/a
Description	Boom Vang line
Quantity & Price	10 @ \$.51
2016 Retailer #	MREXP 3/16"
Dimension	5 mm or 3/16"
Retailer	apsltd.com
Fasteners	
Related Assembly	Running rigging
Prod URL	
Retailer URL	http://www.apsltd.com/marlow-ropes-excel-pro-line.html
Notes	length in feet ballpark estimate - need input on actual length Marlow Excel Pro: 3/16" (5mm)

Mirror 16 : Mainsail Outhaul V1.RES.RR.12



Photo from 2016 Retailer

2016 Part Num	V1.RES.RR.12
1969 Part Num	n/a
Description	Mainsail Outhaul
Quantity & Price	3 @ \$.51
2016 Retailer #	MREXP 3/16"
Dimension	5 mm or 3/16"
Retailer	apsltd.com
Fasteners	
Related Assembly	Running rigging
Prod URL	
Retailer URL	http://www.apsltd.com/marlow-ropes-excel-pro-line.html
Notes	length in feet ballpark estimate - need input on actual length Marlow Excel Pro: 3/16" (5mm)

2016 Running Rigging for Mirror 16

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Mirror 16 : Main Sheet Traveler V1.RES.RR.13



Photo from 2016 Retailer

2016 Part Num	V1.RES.RR.13
1969 Part Num	n/a
Description	Main Sheet Traveler
Quantity & Price	8 @ \$.55
2016 Retailer #	NEBZL 5/16"
Dimension	8mm or 5/16"
Retailer	apsltd.com
Fasteners	
Related Assembly	Running rigging
Prod URL	
Retailer URL	http://www.apsltd.com/new-england-ropes-buzz-line.html
Notes	length in feet ballpark estimate - need input on actual length New England Ropes Buzz Line

Mirror 16 : Rudder Downhaul V1.RES.RR.14



Photo from 2016 Retailer

2016 Part Num	V1.RES.RR.14
1969 Part Num	n/a
Description	Rudder Downhaul
Quantity & Price	3 @ \$.51
2016 Retailer #	MREXP 3/16"
Dimension	5 mm or 3/16"
Retailer	apsltd.com
Fasteners	
Related Assembly	Running rigging
Prod URL	
Retailer URL	http://www.apsltd.com/marlow-ropes-excel-pro-line.html
Notes	length in feet ballpark estimate - need input on actual length Marlow Excel Pro: 3/16" (5mm)

Mirror 16 : Rudder shock cord V1.RES.RR.15



Photo from 2016 Retailer

2016 Part Num	V1.RES.RR.15
1969 Part Num	n/a
Description	Rudder shock cord
Quantity & Price	2 @ \$.46
2016 Retailer #	MRSC 3/16"
Dimension	5 mm or 3/16"
Retailer	apsltd.com
Fasteners	
Related Assembly	Running rigging
Prod URL	
Retailer URL	http://www.apsltd.com/marlow-ropes-shock-cord-line.html
Notes	length in feet ballpark estimate - need input on actual length Novatec Shock Cord

Mirror 16 : Centerboard shock cord V1.RES.RR.16



Photo from 2016 Retailer

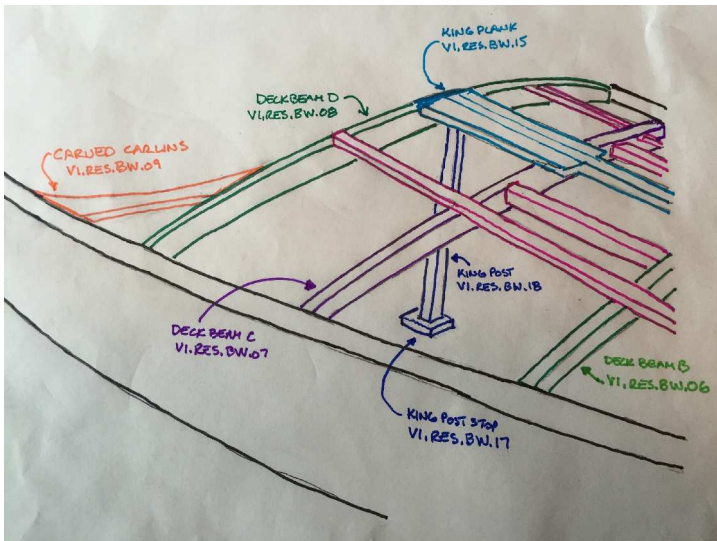
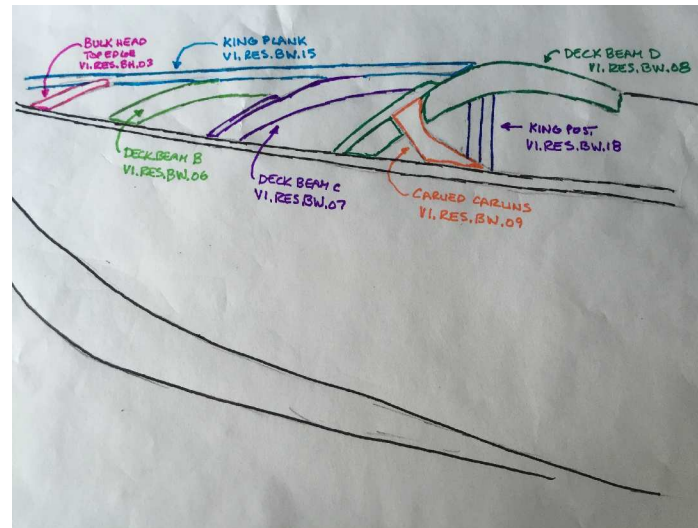
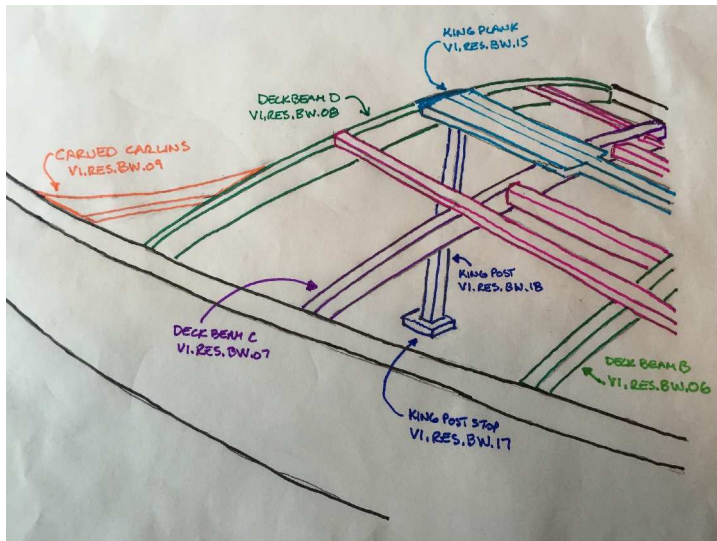
2016 Part Num	V1.RES.RR.16
1969 Part Num	n/a
Description	Centerboard shock cord
Quantity & Price	2 @ \$.46
2016 Retailer #	MRSC 3/16"
Dimension	5 mm or 3/16"
Retailer	apsltd.com
Fasteners	
Related Assembly	Running rigging
Prod URL	
Retailer URL	http://www.apsltd.com/marlow-ropes-shock-cord-line.html
Notes	length in feet ballpark estimate - need input on actual length Novatec Shock Cord

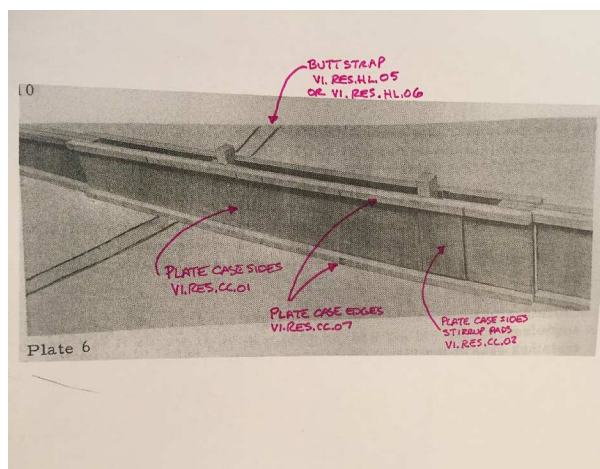
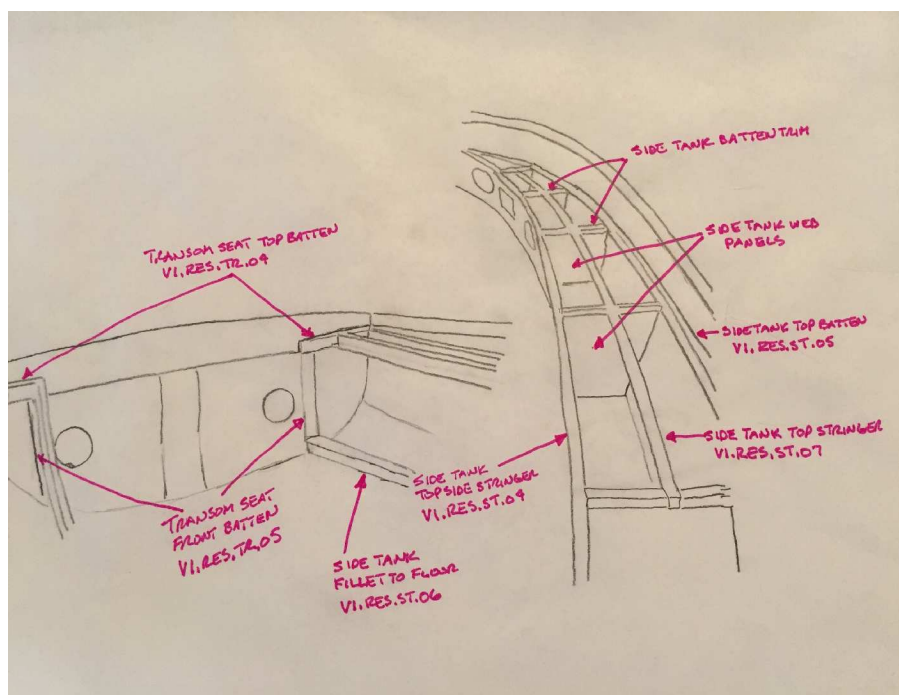
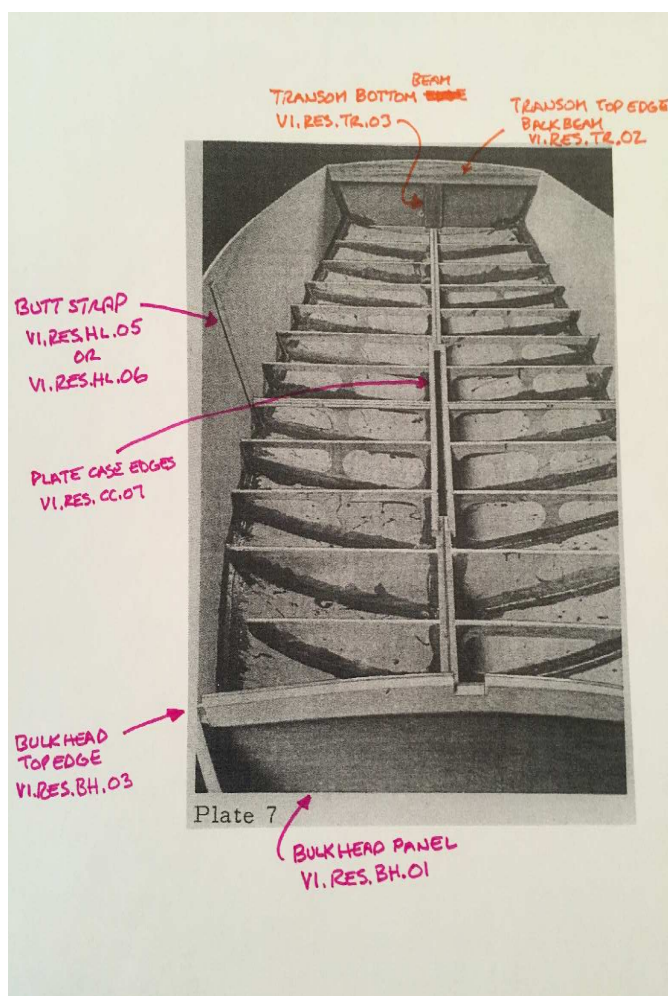
Mirror 16 : V1.RES.RR.17

2016 Part Num	V1.RES.RR.17
1969 Part Num	
Description	
Quantity & Price	@
2016 Retailer #	
Dimension	
Retailer	
Fasteners	
Related Assembly	Running rigging
Prod URL	
Retailer URL	
Notes	

Mirror 16 : V1.RES.RR.18

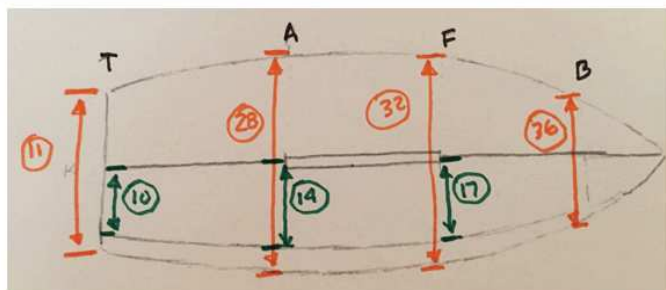
2016 Part Num	V1.RES.RR.18
1969 Part Num	
Description	
Quantity & Price	@
2016 Retailer #	
Dimension	
Retailer	
Fasteners	
Related Assembly	
Prod URL	
Retailer URL	
Notes	





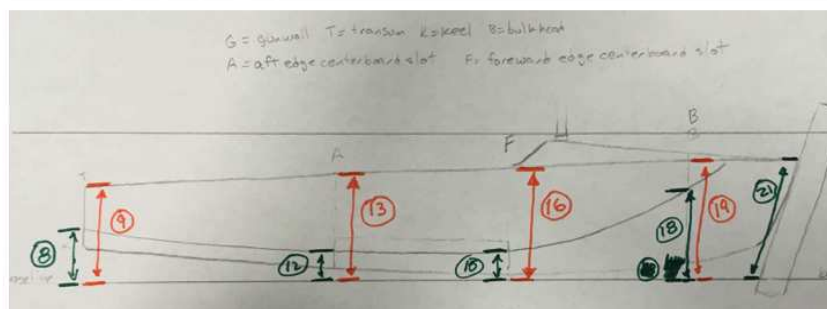
Mirror 16 - Beam Measurement Points

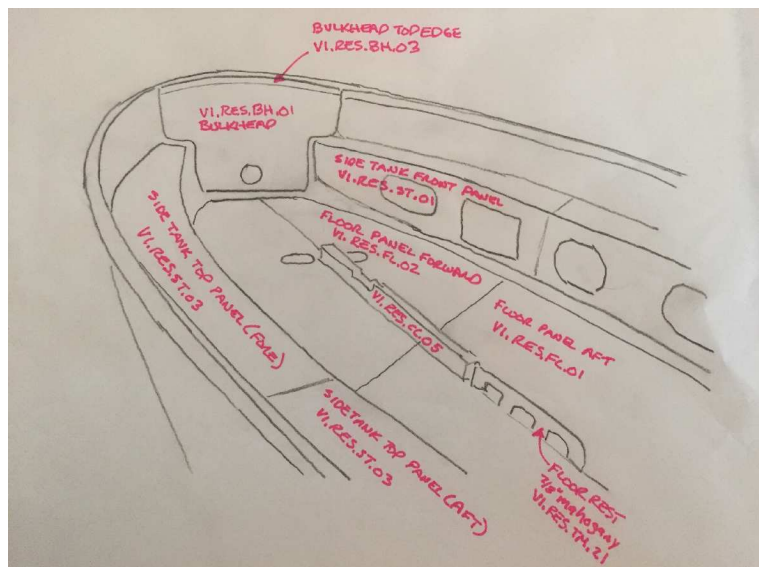
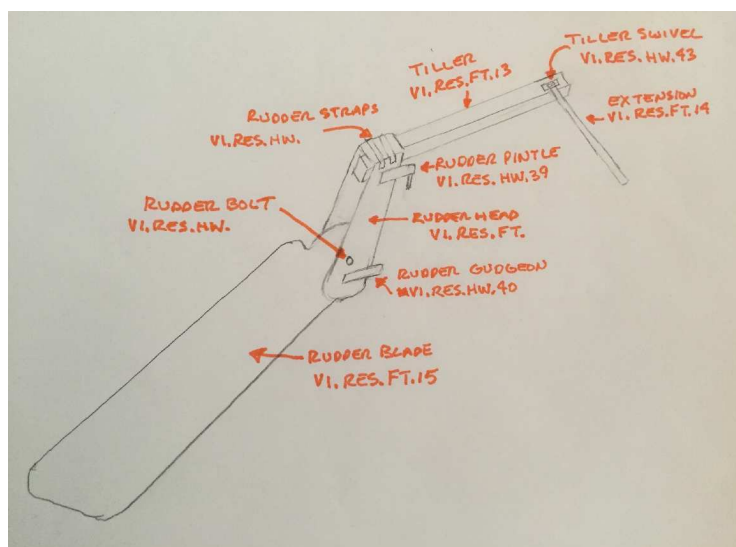
rule	measurement to be taken	inches minimum	inches maximum	mm minimum	mm maximum	actual
28	Beam at A. (where top of G. meets face of topside if extended)	5' 9 7/8"	5' 10 7/8"	1.775	1.8	
36	Beam at B. over deck	2' 11 1/2"	3' 0 1/2"	0.9	0.926	
32	Beam at F.	5' 6 1/2"	5' 7 1/2"	1.688	1.714	
11	Beam at T. (Where top of G. meets topside if extended)	4' 2"	4' 3"	1.27	1.295	
14	Chine girth at A.	4' 8 1/4"	4' 9 3/4"	1.228	1.467	
17	Chine girth at F.	4' 8"	4' 9"	1.422	1.448	
10	Chine girth at T.	3' 6 1/4"	3' 7 3/4"	1.072	1.111	
20	G. girth at B to underside of beads (measured around the bottom of boat from one gunwale to the other gunwale??)	5' 7 1/4"	5' 8 1/4"	1.708	1.733	

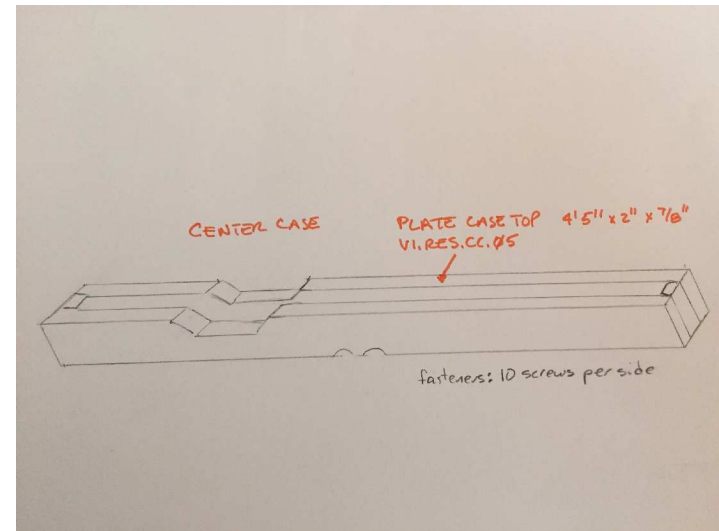
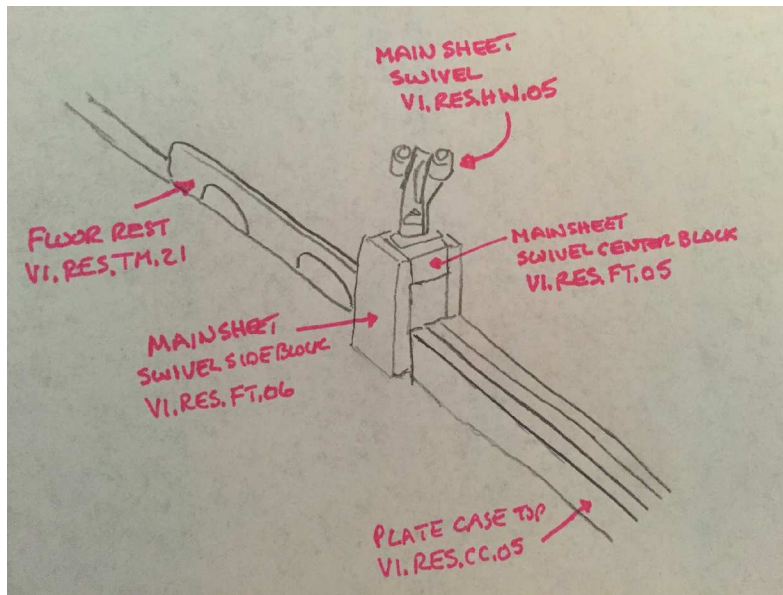


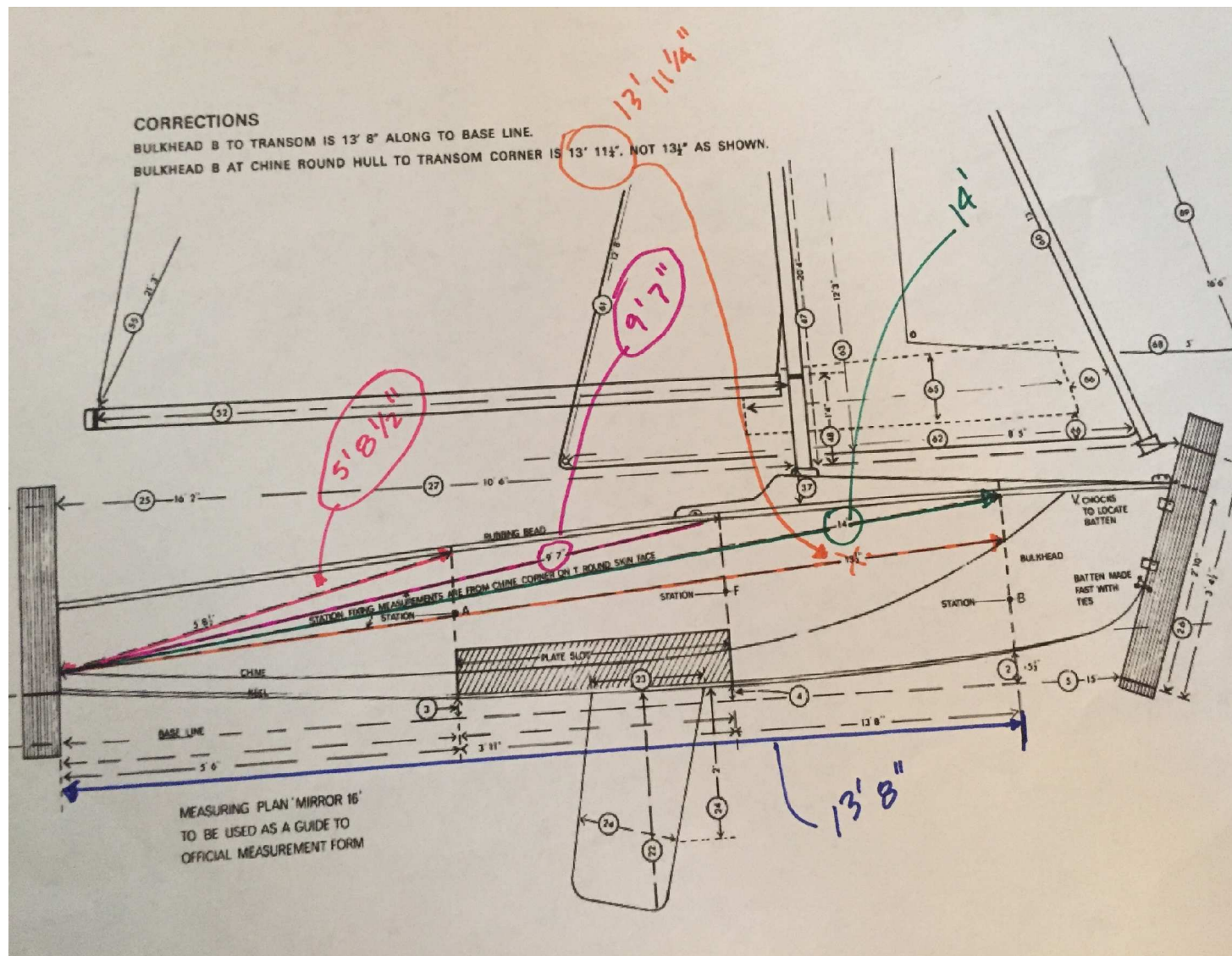
Mirror 16 - Hull Side Measurement Points

rule	measurement to be taken	inches minimum	inches maximum	mm minimum	mm maximum	actual
8	Base line to chine at T.	10 3/4"	11 3/4"	0.273	0.298	
9	Base line to G. at T.	1' 9 5/8"	1' 10 5/8"	0.55	0.575	
12	Base line to chine at A.	6"	7"	0.152	0.178	
13	Base line to G. at A.	2' 2 1/4"	2' 3 1/4"	0.666	0.691	
15	Base line to chine at F.	8 7/8"	9 7/8"	0.225	0.251	
16	Base line to G. at F.	2' 4 7/8"	2' 5 7/8"	0.733	0.758	
18	Base line to chine at B.	1' 11"	2'			
19	Base line to G. at B.	2' 7 1/2"	2' 8 1/2"	0.789	0.824	
21	Base line to top of deck at stem. Straight line of stem cuts base line.	2' 10 5/8"	2' 11 7/8"	0.879	0.91	









This wooden parts list is based on a 1969 original packing list that has been subdivided based on major assembly.

Hull Assembly for Mirror 16

Part_Num	Old_Num	Description	Quantity	Dimension	Assembly	Material	Notes
V1.RES.HL.01	11	Hull Panel Bottom Skin Forward	2	5 mm ply	Hull	marine plywood	
V1.RES.HL.02	12	Hull Panel Bottom Skin Aft	2	5 mm ply	Hull	marine plywood	
V1.RES.HL.03	13	Hull Panel Topside Skin Forward	2	5 mm ply	Hull	marine plywood	
V1.RES.HL.04	14	Hull Panel Topside Skin Aft	2	5 mm ply	Hull	marine plywood	
V1.RES.HL.05	15	Butt Straps (to join flat panels)	2	5 mm ply x 2' 3" x 2 1/2"	Hull	marine plywood	
V1.RES.HL.06	15A	Butt Straps (to join flat panels)	2	5 mm ply x 1' 9" x 2 1/2"	Hull	marine plywood	

Floor Assembly for Mirror 16

Part_Num	Old_Num	Description	Quantity	Dimension	Assembly	Material	Notes
V1.RES.FL.01	42	Floor Panel Aft	2	5 mm ply	Floor	marine plywood	
V1.RES.FL.02	43	Floor Panel Forward	2	5 mm ply	Floor	marine plywood	
V1.RES.FL.03	43A	Floor Panel Hatch Frame	2	5 mm ply	Floor	marine plywood	

Bulkhead Assembly for Mirror 16

Part_Num	Old_Num	Description	Quantity	Dimension	Assembly	Material	Notes
V1.RES.BH.01	16	Bulkhead panel	1	6 mm ply	Bulkhead	marine plywood	
V1.RES.BH.02	18	Bulkhead Hatch Frame	1	6 mm ply	Bulkhead	marine plywood	?
V1.RES.BH.03	17	Bulkhead Top Edge	1	unspecified x 5/8"	Bulkhead	flat stock wood	?
V1.RES.BH.04	10	Bulkhead blocks on fore web	2	4 1/2" x 3/4" x 3/4"	Bulkhead	flat stock wood	

Side Tank Assembly for Mirror 16

Part_Num	Old_Num	Description	Quantity	Dimension	Assembly	Material	Notes
V1.RES.ST.01	52	Side Tank Front Panel	6	5 mm ply	Side Tank	marine plywood	not sure why they list total of 6
V1.RES.ST.02	53	Side Tank Top Panel (Aft)	2	5 mm ply	Side Tank	marine plywood	
V1.RES.ST.03	54	Side Tank Top Panel (Fore)	2	5 mm ply	Side Tank	marine plywood	
V1.RES.ST.04	50	Side Tank Topside stringer	2	13' 8" x 5/8" x 1/2"	Side Tank	flat stock wood	
V1.RES.ST.05	51	Side Tank Top Batten	2	13' 8" x 5/8" x 1/2"	Side Tank	flat stock wood	
V1.RES.ST.06	49	Side Tank Fillet to Floor	2	11' 9" x 5/8" x 1/2"	Side Tank	flat stock wood	
V1.RES.ST.07	55	Side Tank Top Stringers	2	10' 6" x 7/8" x 3/8"	Side Tank	flat stock wood	
V1.RES.ST.08	61	ST Sheet Lead Blocks (Fairleads)	2	unspecified	Side Tank	unspecified	
V1.RES.ST.09	56	Side Tank Web Panel A	2	5 mm ply	Side Tank	marine plywood	
V1.RES.ST.10	57	Side Tank Web Panel B	2	5 mm ply	Side Tank	marine plywood	
V1.RES.ST.11	58	Side Tank Web Panel C	2	5 mm ply	Side Tank	marine plywood	
V1.RES.ST.12	59	Side Tank Web Panel D	2	5 mm ply	Side Tank	marine plywood	
V1.RES.ST.13	60	Side Tank Web Panel E	2	5 mm ply	Side Tank	marine plywood	
V1.RES.ST.14	56A	Side Tank Batten Trim A	4	10" x 5/8" x 1/2"	Side Tank	flat stock wood	
V1.RES.ST.15	57A	Side Tank Batten Trim B	6	10" x 5/8" x 1/2"	Side Tank	flat stock wood	
V1.RES.ST.16	58A	Side Tank Batten Trim C	6	10" x 5/8" x 1/2"	Side Tank	flat stock wood	
V1.RES.ST.17	59A	Side Tank Batten Trim D	4	10" x 5/8" x 1/2"	Side Tank	flat stock wood	
V1.RES.ST.18	60A	Side Tank Batten Trim E	6	10" x 5/8" x 1/2"	Side Tank	flat stock wood	

Transom Assembly for Mirror 16

Part_Num	Old_Num	Description	Quantity	Dimension	Assembly	Material	Notes
V1.RES.TR.01	22	Transom Panel	1	6 mm ply	Transom	marine plywood	
V1.RES.TR.02	23	Transom Top Edge Back Beam	1	mahogany unspec. x 7/8"	Transom	flat stock wood	
V1.RES.TR.03	24	Transom bottom beam	1	mahogany unspec. x 7/8"	Transom	flat stock wood	
V1.RES.TR.04	25	Transom seat top batten	2	10" x 1 1/4" x 7/8"	Transom	flat stock wood	
V1.RES.TR.05	26	Transom seat Front Batten	2	10" x 5/8" x 1/2"	Transom	flat stock wood	
V1.RES.TR.06	29	Transom Pad	1	9" x 4" x 7/8"	Transom	flat stock wood	
V1.RES.TR.07	98	Transom Capping	1	4' 6" x 1 3/16" x 7/32"	Transom	flat stock wood	
V1.RES.TR.08	Transom A	Transom Beam Spacer A	1	5' 10 1/2" x 1 1/2" x 1"	Transom	flat stock wood	
V1.RES.TR.09	Transom B	Transom Beam Spacer B	1	6' 6" x 1 1/2" x 1"	Transom	flat stock wood	
V1.RES.TR.10	Transom C	Transom Beam Spacer C	1	6' 3" x 1 1/2" x 1"	Transom	flat stock wood	

Floor Web Assembly for Mirror 16

Part_Num	Old_Num	Description	Quantity	Dimension	Assembly	Material	Notes
V1.RES.FW.01	30	Floor Web Panel A	2	5 mm ply	Floor Web	marine plywood	
V1.RES.FW.02	31	Floor Web Panel B	2	5 mm ply	Floor Web	marine plywood	
V1.RES.FW.03	32	Floor Web Panel C	2	5 mm ply	Floor Web	marine plywood	
V1.RES.FW.04	33	Floor Web Panel D	2	5 mm ply	Floor Web	marine plywood	
V1.RES.FW.05	34	Floor Web Panel E	2	5 mm ply	Floor Web	marine plywood	
V1.RES.FW.06	35	Floor Web Panel F	2	5 mm ply	Floor Web	marine plywood	
V1.RES.FW.07	36	Floor Web Panel G	2	5 mm ply	Floor Web	marine plywood	
V1.RES.FW.08	37	Floor Web Panel H	2	5 mm ply	Floor Web	marine plywood	
V1.RES.FW.09	38	Floor Web Panel I	2	5 mm ply	Floor Web	marine plywood	
V1.RES.FW.10	39	Floor Web Panel J	2	5 mm ply	Floor Web	marine plywood	
V1.RES.FW.11	40	Floor Web Panel K	2	5 mm ply	Floor Web	marine plywood	
V1.RES.FW.12	41	Floor Web Panel L	2	5 mm ply	Floor Web	marine plywood	
V1.RES.FW.13	30A	Top Edge Trim A	2	1' 10 1/2" x 5/8" x 1/2"	Floor Web	flat stock wood	
V1.RES.FW.14	31A	Top Edge Trim B	2	2' x 5/8" x 1/2"	Floor Web	flat stock wood	
V1.RES.FW.15	32A	Top Edge Trim C	2	2' 1 1/2" x 5/8" x 1/2"	Floor Web	flat stock wood	
V1.RES.FW.16	33A	Top Edge Trim D	2	2' 3 1/4" x 5/8" x 1/2"	Floor Web	flat stock wood	
V1.RES.FW.17	34A	Top Edge Trim E	2	2' 4 1/2" x 5/8" x 1/2"	Floor Web	flat stock wood	
V1.RES.FW.18	35A	Top Edge Trim F	2	2' 4 1/2" x 5/8" x 1/2"	Floor Web	flat stock wood	
V1.RES.FW.19	36A	Top Edge Trim G	4	2' 4 1/2" x 5/8" x 1/2"	Floor Web	flat stock wood	
V1.RES.FW.20	37A	Top Edge Trim H	2	2' 4 1/2" x 5/8" x 1/2"	Floor Web	flat stock wood	
V1.RES.FW.21	38A	Top Edge Trim I	2	2' 3" x 5/8" x 1/2"	Floor Web	flat stock wood	
V1.RES.FW.22	39A	Top Edge Trim J	2	2' 2" x 5/8" x 1/2"	Floor Web	flat stock wood	
V1.RES.FW.23	40A	Top Edge Trim K	2	1' 9" x 5/8" x 1/2"	Floor Web	flat stock wood	
V1.RES.FW.24	41A	Top Edge Trim L	2	1' 4" x 5/8" x 1/2"	Floor Web	flat stock wood	

Bow Assembly for Mirror 16

Part_Num	Old_Num	Description	Quantity	Dimension	Assembly	Material	Notes
V1.RES.BW.01	1	Bow Web	1	6 mm ply	Bow	marine plywood	
V1.RES.BW.02	2	Aft Web	1	6 mm ply	Bow	marine plywood	
V1.RES.BW.03	78	Deck Ply	2	5 mm ply	Bow	marine plywood	
V1.RES.BW.04	79	Deck Capping	2	5 mm ply	Bow	marine plywood	
V1.RES.BW.05	66	Deck Beam A	1	unspecified	Bow	custom shaped wood	
V1.RES.BW.06	67	Deck Beam B	1	unspecified x 3/4"	Bow	custom shaped wood	
V1.RES.BW.07	68	Deck Beam C	1	unspecified x 3/4"	Bow	custom shaped wood	
V1.RES.BW.08	69	Deck Beam D mahogany	1	unspecified x 3/4"	Bow	custom shaped wood	
V1.RES.BW.09	76	Carved Carlins	2	unspecified x 7/8"	Bow	custom shaped wood	
V1.RES.BW.10	70	Breast Hook (horizontal beam)	1	7" x 3" x 1 3/8"	Bow	flat stock wood	
V1.RES.BW.11	4	Bow Web Edges	4	4' 1/2" x 3/4" x 3/4"	Bow	flat stock wood	
V1.RES.BW.12	5	Aft Web Edges	4	5' 1 1/2" x 3/4" x 3/4"	Bow	flat stock wood	
V1.RES.BW.13	27	Stem	1	1' 10" x 1 3/4" x 1"	Bow	flat stock wood	
V1.RES.BW.14	28	Stem Trailer Block	1	6" x 4" x 1 1/2"	Bow	flat stock wood	
V1.RES.BW.15	71	King Plank	1	5' 9" x 2" x 3/4"	Bow	flat stock wood	
V1.RES.BW.16	72	King Plank Edges	2	1' 3" x 2" x 3/4"	Bow	flat stock wood	
V1.RES.BW.17	73	King Post Stop	1	7/8" x unspecified	Bow	flat stock wood	
V1.RES.BW.18	74	King Post	1	2' 2" x 2" x 7/8"	Bow	flat stock wood	

Center Case Assembly for Mirror 16

Part_Num	Old_Num	Description	Quantity	Dimension	Assembly	Material	Notes
V1.RES.CC.01	3	Plate Case Sides	2	6 mm ply	Center Case	marine plywood	
V1.RES.CC.02	4	Plate Case Sides Stirrup Pads	2	8 mm ply x 6 5/8" x 4"	Center Case	marine plywood	
V1.RES.CC.03	8	Case Fore Ends	2	8 1/2" x 3" x 7/16"	Center Case	flat stock wood	
V1.RES.CC.04	9	Case Aft Ends	2	7 1/8" x 3" x 7/16"	Center Case	flat stock wood	
V1.RES.CC.05	46	Plate Case Top	2	4' 5" x 2" x 7/8"	Center Case	flat stock wood	
V1.RES.CC.06	47	Case Forward Packing	1	3" x 2" x 7/8"	Center Case	flat stock wood	
V1.RES.CC.07	6	Plate Case Edges	4	4' 5 1/2" x 3/4" x 3/4"	Center Case	flat stock wood	

Trim Assembly for Mirror 16

Part_Num	Old_Num	Description	Quantity	Dimension	Assembly	Material	Notes
V1.RES.TM.01	62	Keel	1	15' 1" x 3" x 3/4"	Trim	flat stock wood	
V1.RES.TM.02	63	Inwales	2	6" x 9/16" x unspecified	Trim	flat stock wood	
V1.RES.TM.03	64	Gunwales	2	17' x 1 1/8" x 7/16"	Trim	flat stock wood	
V1.RES.TM.04	65	Beads	2	17' x 7/8" x 5/8"	Trim	flat stock wood	
V1.RES.TM.05	84	Coamings	2	unspecified	Trim	flat stock wood	
V1.RES.TM.06	103	Inner Coaming	2	unspecified	Trim	flat stock wood	
V1.RES.TM.07	75	Fiddles (seat rail trim)	2	3' x 1 1/2" x 1/2"	Trim	flat stock wood	
V1.RES.TM.08	19	Floor Batten Fore Bulkhead	2	8" x 3/8" x 1/2"	Trim	flat stock wood	
V1.RES.TM.09	20	Seat Top Batten Fore Bulkhead	2	4" x 5/8" x 1/2"	Trim	flat stock wood	
V1.RES.TM.10	21	Seat Front Batten Fore Bulkhead	2	6" x 5/8" x 1/2"	Trim	flat stock wood	
V1.RES.TM.11	44	Short Floor Battens	2	5' x 2 1/2" x 3/8"	Trim	flat stock wood	
V1.RES.TM.12	44a	Long Floor Battens	2	6' 5 1/2" x 1 1/2" x 3/8"	Trim	flat stock wood	
V1.RES.TM.13	45	Floor Battens	4	3' x 1 1/2" x 3/8"	Trim	flat stock wood	
V1.RES.TM.14	81	Hatch Covers	2	5 mm ply	Trim	marine plywood	
V1.RES.TM.15	82	Hatch Cover Slides	2	unspecified	Trim	moulding	
V1.RES.TM.16	82A	Hatch Cover Slides	2	unspecified	Trim	moulding	
V1.RES.TM.17	83	Hatch cover Handles	2	unspecified	Trim	moulding	
V1.RES.TM.18	85	Thwart	1	5' 9" x 5 3/4" x 3/4"	Trim	flat stock wood	
V1.RES.TM.19	86	Centerplate mahogany	1	unspecified	not sure	not sure	
V1.RES.TM.20	92	Floor Baffles	2	1' 11" x 2 1/2" to 2 7/8"	Trim	flat stock wood	
V1.RES.TM.21	48	Foot Rest	1	7/8" mahogany	Trim	custom shaped wood	
V1.RES.TM.22	80	Mast Step	1	1 1/2" x unspecified	Trim	flat stock wood	

Fittings Assembly for Mirror 16

Part_Num	Old_Num	Description	Quantity	Dimension	Assembly	Material	Notes
V1.RES.FT.01	n/a	Centerboard	1	unspecified	Fittings	custom shaped wood	
V1.RES.FT.02	n/a	placeholder	1		Fittings		
V1.RES.FT.03	n/a	placeholder	1		Fittings		
V1.RES.FT.04	n/a	placeholder	1		Fittings		
V1.RES.FT.05	99	Main Sheet swivel center block	1	2 7/8" x 2 5/8" x 1 3/8"	Fittings	flat stock wood	
V1.RES.FT.06	100	Main Sheet swivel side block	2	5 1/8" x 2 7/8" x 3/8"	Fittings	flat stock wood	
V1.RES.FT.07	101	Paddle	1	unspecified	Fittings	round wood stock	
V1.RES.FT.08	102	Paddle Blade	1	5 mm ply	Fittings	marine plywood	
V1.RES.FT.09	77	Chainplate Blocks	2	9" x 2" x 7/8"	Fittings	flat stock wood	
V1.RES.FT.10	88	Cheeks Stock	2	unspecified Ply	Fittings	marine plywood	
V1.RES.FT.11	89	Packing	1	not sure	Fittings	not sure	
V1.RES.FT.12	104	Cleat Blocks	2	unspecified	Fittings	flat stock wood	
V1.RES.FT.13	90	Tiller	1	unspecified	Fittings	flat stock wood	
V1.RES.FT.14	91	Tiller Extension	1	unspecified	Fittings	flat stock wood	
V1.RES.FT.15	87	Rudder Blade mahogany	1	unspecified	Fittings	custom shaped wood	

Hull Fasteners Assembly for Mirror 16

Part_Num	Old_Num	Description	Quantity	Dimension	Assembly	Material	Notes
V1.RES.HF.01	n/a	Copper Wire	60 ft.		Hull Fasteners	Copper	
V1.RES.HF.02	n/a	5/8" Brass Nails	9 ozs		Hull Fasteners	Brass	
V1.RES.HF.03	n/a	1" Brass Nails	24		Hull Fasteners	Brass	
V1.RES.HF.04	n/a	1 1/4" copper nails	100		Hull Fasteners	Copper	
V1.RES.HF.05	n/a	1" coper nails	80		Hull Fasteners	Copper	
V1.RES.HF.06	n/a	1 1/2" copper nails	50		Hull Fasteners	Copper	
V1.RES.HF.07	n/a	5/8" copper nails	12 ozs.		Hull Fasteners	Copper	
V1.RES.HF.08	n/a	5/8" No. 6 screws	1 gross		Hull Fasteners	unspecified	
V1.RES.HF.09	n/a	3/4" No. 6 screws	1 1/2 gross		Hull Fasteners	unspecified	
V1.RES.HF.10	n/a	3/4" No. 8 screws	15		Hull Fasteners	unspecified	
V1.RES.HF.11	n/a	1" No. 8 screws	98		Hull Fasteners	unspecified	
V1.RES.HF.12	n/a	1 1/4" No. 8 screws	42		Hull Fasteners	unspecified	
V1.RES.HF.13	n/a	1 1/2" No. 8 screws	54		Hull Fasteners	unspecified	
V1.RES.HF.14	n/a	1 3/4" No. 8 screws	8		Hull Fasteners	unspecified	
V1.RES.HF.15	n/a	2 1/2" No. 8 screws	4		Hull Fasteners	unspecified	
V1.RES.HF.16	n/a	2 1/2" No. 10 screws	24		Hull Fasteners	unspecified	
V1.RES.HF.17	n/a	1 3/4" No. 10 screws	4		Hull Fasteners	unspecified	
V1.RES.HF.18	n/a	1 1/2" No. 10 Screws	60		Hull Fasteners	unspecified	
V1.RES.HF.19	n/a	Hardener	2 bottles		Hull Fasteners	n/a	
V1.RES.HF.20	n/a	Glue (306 powder)	3 tins		Hull Fasteners	n/a	
V1.RES.HF.21	n/a	Resin	2 x 8 lbs.		Hull Fasteners	n/a	
V1.RES.HF.22	n/a	Tape (50 yard rolls)	2		Hull Fasteners	n/a	
V1.RES.HF.23	n/a	Catalyst Bottles	2		Hull Fasteners	n/a	
V1.RES.HF.24	n/a	placeholder			Hull Fasteners		
V1.RES.HF.25	n/a	placeholder			Hull Fasteners		
V1.RES.HF.26	n/a	placeholder			Hull Fasteners		

This list was created from an original Mirror 16 Association form.

rule	measurement to be taken	inches minimum	inches maximum	mm minimum	mm maximum	actual
<i>Note:</i>		<i>Note: Hull Measurements are to fixed datum line, in all measurements ignore keel band.</i>				
1	Hull: Base line below K. at T.	8"	8"	0.203	0.203	
2	Hull: Base line below K. at B.	5 1/2"	5 1/2"	0.139	0.139	
3	Hull: Base line below K. at A.	2 1/8"	3 1/8"	0.054	0.079	
4	Hull: Base line below K. at F.	1 1/8"	2 1/8"	0.028	0.054	
5	Length of base line	14' 10 1/2"	15' 0 1/2"	4.497	4.543	
6	Projection of K. below skin	5/8"	7/8"	0.016	0.022	
7	Width of K.	n/a	3 1/8"	n/a	0.079	
8	Base line to chine at T.	10 3/4"	11 3/4"	0.273	0.298	
9	Base line to G. at T.	1' 9 5/8"	1' 10 5/8"	0.55	0.575	
10	Chine girth at T.	3' 6 1/4"	3' 7 3/4"	1.072	1.111	
11	Beam at T. (Where top of G. meets topside if extended)	4' 2"	4' 3"	1.27	1.295	
12	Base line to chine at A.	6"	7"	0.152	0.178	
13	Base line to G. at A.	2' 2 1/4"	2' 3 1/4"	0.666	0.691	
14	Chine girth at A.	4' 8 1/4"	4' 9 3/4"	1.228	1.467	
15	Base line to chine at F.	8 7/8"	9 7/8"	0.225	0.251	
16	Base line to G. at F.	2' 4 7/8"	2' 5 7/8"	0.733	0.758	
17	Chine girth at F.	4' 8"	4' 9"	1.422	1.448	
18	Base line to chine at B.	1' 11"	2'			
19	Base line to G. at B.	2' 7 1/2"	2' 8 1/2"	0.789	0.824	
20	G. girth at B to underside of beads	5' 7 1/4"	5' 8 1/4"	1.708	1.733	
21	Base line to top of deck at stem. Straight line of stem cuts base line.	2' 10 5/8"	2' 11 7/8"	0.879	0.91	
22	Extension of C.P. below K.	n/a	3' 0 3/4"	n/a	0.933	

23	Width of C.P. at K. when fully down	n/a	1' 7"	n/a	0.483
24	Width of C.P. at 2' below K. at 90 degrees to fore edge.	n/a	1' 6 1/4"	n/a	0.463
25	Length from extension of T. face and stem fore edge.	16' 1"	16' 3"	4.903	4.954
26	T. face where it meets the gunwale to eye on chain plate	9' 2 1/2"	9' 3 1/2"	2.807	2.832
27	Length from extension of T. face to aft side of mast at step.	10' 5 1/4"	10' 6 1/4"	3.181	3.206
28	Beam at A. (where top of G. meets face of topside if extended)	5' 9 7/8"	5' 10 7/8"	1.775	1.8
29	Depth G. to side seat top at A.	5 1/4"	6 1/4"	0.133	0.158
30	Width between side seat tops at A.	3' 9 3/4"	3' 10 1/2"	1.162	1.1187
31	Depth G. to floor at A.	1' 3 5/8"	1' 4 5/8"	0.397	0.423
32	Beam at F.	5' 6 1/2"	5' 7 1/2"	1.688	1.714
33	Depth G. to side near top at F.	8 1/8"	9 1/8"	0.206	0.232
34	Width between side seat tops at F.	3' 6 1/4"	3' 7 3/4"	1.085	1.111
35	Depth G. to Floor at F.	1' 6 1/2"	1' 7 1/2"	0.469	0.495
36	Beam at B. over deck	2' 11 1/2"	3' 0 1/2"	0.9	0.926
37	Height of mast stop step above G.	5 3/4"	6 3/4"	0.146	0.171
38	Top of deck to underside of bead (depth of bead)	3/4"	1' 1/8"	0.019	0.028
39	weight of stripped hull	245 lbs.	n/a	110.495 kilos	n/a
40	weight of corrections if any	n/a	10 lbs.	n/a	4.51 kilos
41	Rudder. Pivot of blade to bottom edge	2' 2 1/2"	2' 4 1/2"	0.672	0.723
42	Width of blade measured 90 degrees to fore edge	10 3/4"	11 3/4"	0.26	0.285
43	Foresail roller 1/2 circumference (roller must be fitted & used)	1 1/2"	1 3/8"	0.034	0.037
44	Foresail roller. Length top of drum to top of tube	13' 4"	13' 6"	4.065	4.115
45	Mast section as specified by Assoc. HA. m.m. 89	2 7/8" x 2 1/2"		0.073m x 0.063m	
46	Mast C.G. above step		10'		3.048
47	Lower edge of the B.B. to step. Above which the sail may not be set.		20' 4"		6.198
48	Upper Edge of lower B.B. to step. Below which the sail may not be set.		1' 4"		0.407
49	Height forestay eye on mast above step.		14' 0"		4.208
50	Height spinnaker halliard block		14' 6 1/2"		4.372
51	Boom section HA.MB. 7 ex fitting	3 1/2" x 1 1/4"		0.088 x 0.031	
52	Inner edge of B.B. to aft side of mast		10' 0"		3.048

53	Spinnaker boom or jib stick overall length		6' 7"		2.007
54	Mainsail batten, 4. The centerline of which not more than 2" from the points dividing the leech into 5 equal parts.	3' 5"	3' 6"	1.041	1.066
55	Mainsail leech from highest point of headboard to lower aft corner of foot.		21' 3"		6.477
56	Horizontal width of headboard		4"		0.102
<i>Note: Mainsail measurement: See I.Y.R.U. measurement instructions for method of obtaining position.</i>					
57	Mainsail 3/4 luff to 3/4 leech.		4' 0"		1.219
58	Mainsail 1/2 luff to 1/2 leech. (See I.Y.R.U. measurement instructions for method of obtaining position.)		6' 11"		2.108
59	Mainsail 1/4 luff to 1/4 leech. (See I.Y.R.U. measurement instructions for method of obtaining position.)		8' 10"		2.693
60	Foresail luff corner to corner		13' 0"		3.963
61	Foresail leech corner to corner		12' 8"		3.861
62	Foresail foot corner to corner		8' 5"		2.566
63	Foresail Top of sail to center of foot		12' 3"		3.734
64	Foresail maximum width of head over all roping		1 3/4"		0.044
65	Foresail window length		4' 1 1/2"		1.256
65a	Foresail window height		1' 3"		0.381
66	Foresail window distance from luff	6"	9"	0.152	0.229
<i>Note: Spinnaker Measurements are taken with the folded in half (clew to clew) and flat on the floor with just sufficient tension to remove wrinkles.</i>					
67	Spinnaker leeches corner to corner		15' 0"		4.513
68	Spinnaker Clews to center seam corner to corner		5' 0"		1.524
69	Spinnaker head to foot at center seam in straight line		16' 6"		5.029
70	Spinnaker 3/4 height at right angles to leech		3' 6"		1.066
71	Spinnaker 1/2 height at right angles to leech		5' 0"		1.524
72	Spinnaker 1/4 height at right angles to leech		5' 6"		1.676
73	Class number to be cut on inside transom in 1" figures				