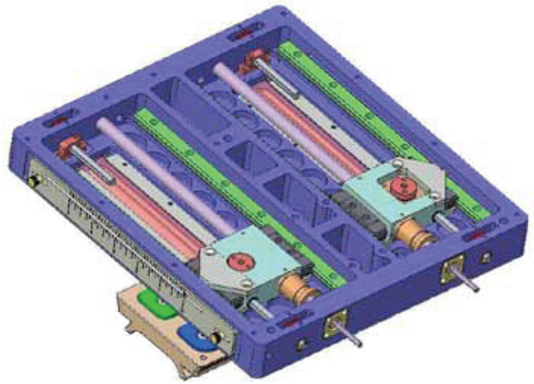
Hardware Specifications

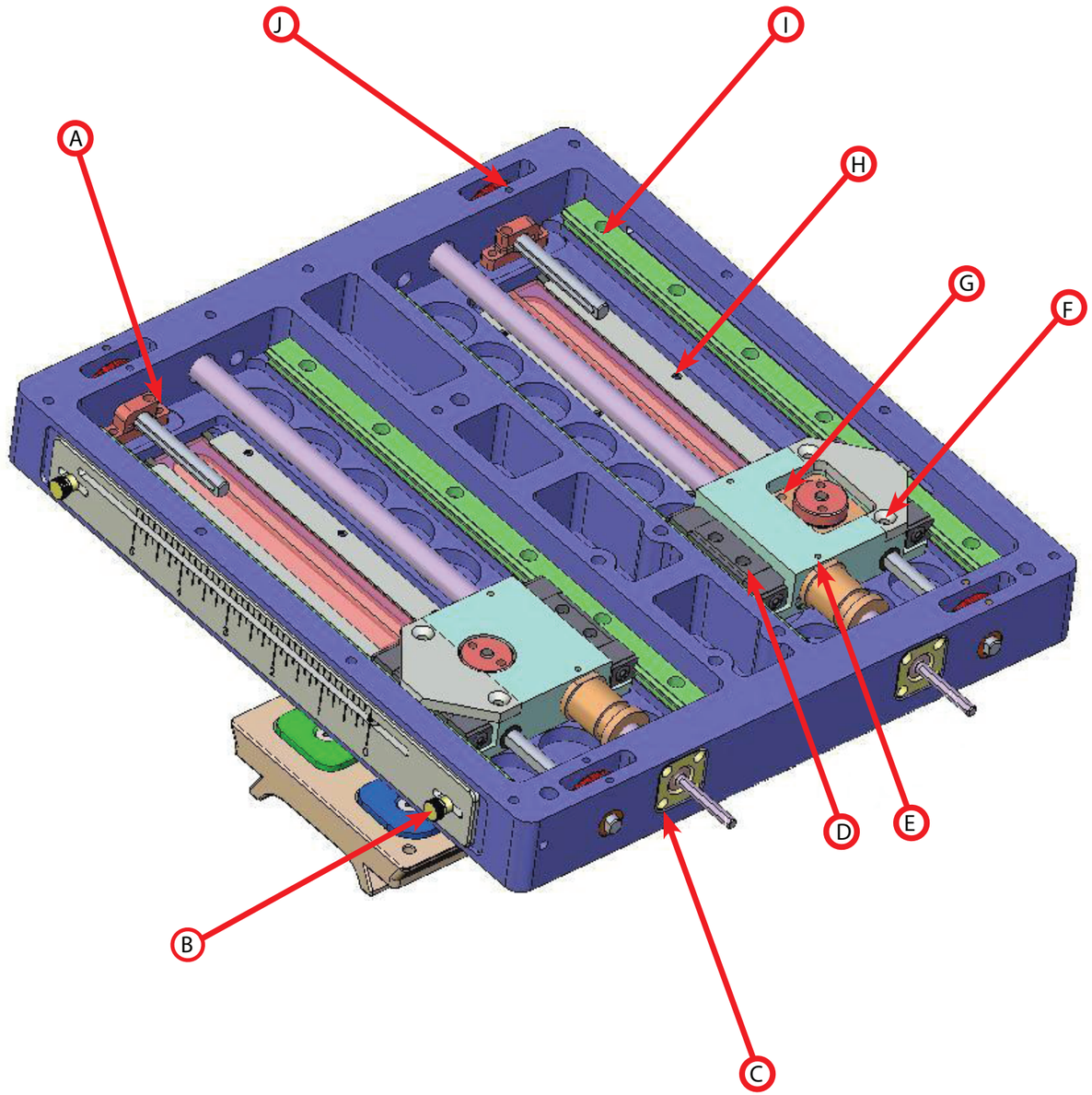
Quasar Rig

Legend

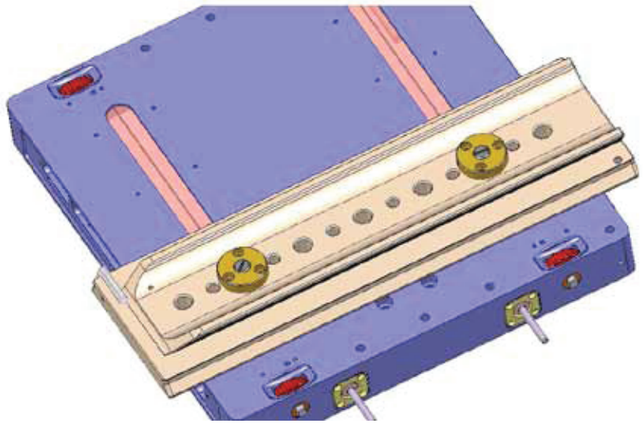
BHCS- Button Head Cap Screw
SHCS- Socket Head Cap Screw
SS- Stainless Steel
FH- Flat Head

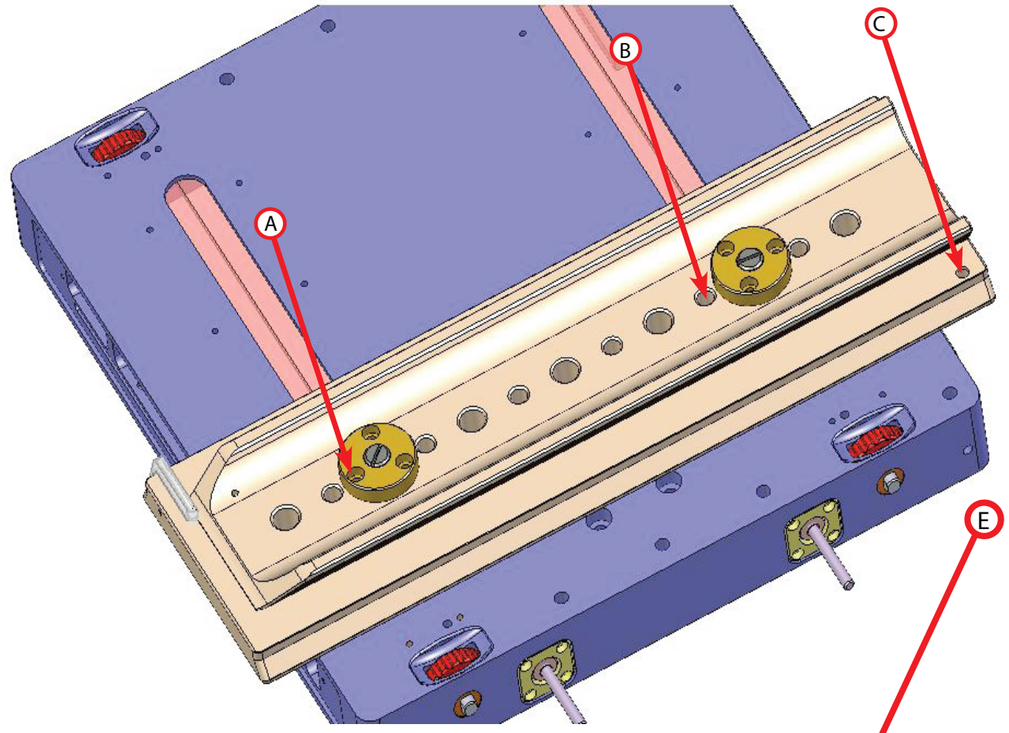


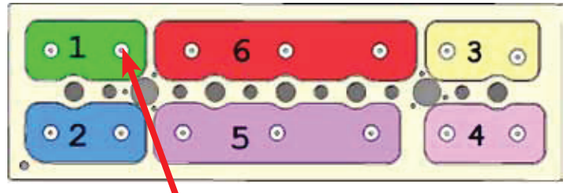
MOTION MODULE HARDWEAR				
	QTY	SIZE	TYPE	McMASTER #
a.	12	4-40 x 3/8"	SHCS	92196A108
b.	4	4-40 x 3/8"	Thumb Screw	99607A106
c.	8	2-56 x 1/4"	SHCS	92196A077
d.	8	M3 X 10	SHCS	9129A113
e.	2	4-40 X 1/8"	SS Cone Point Set Screw	92785A110
f.	4	6-32 X 3/8"	Philips FH	91771A146
g.	4	4-40 X 7/16"	SHCS	92196A109
h.	16	4-40 X 3/16"	Philips PH	91772A105
i.	24	M3 X 8	SHCS	91292A112
j.	8	6-32 X 1/4"	SS Cup Point Set Screw	92311A144



Copyright and trademark, 3ality Technica® 2012. All Rights Reserved. 2012, 3ality Digital Systems, LLC. All Rights reserved.
All trademarks property of 3ality Digital Systems, LLC. Prices and availability subject to change without notice.



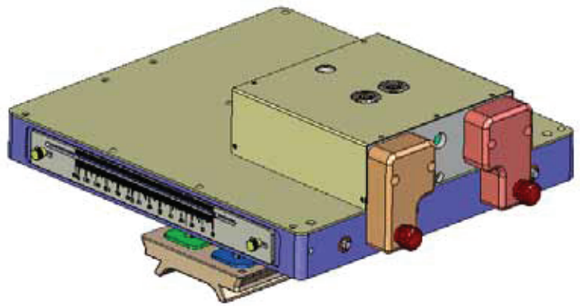


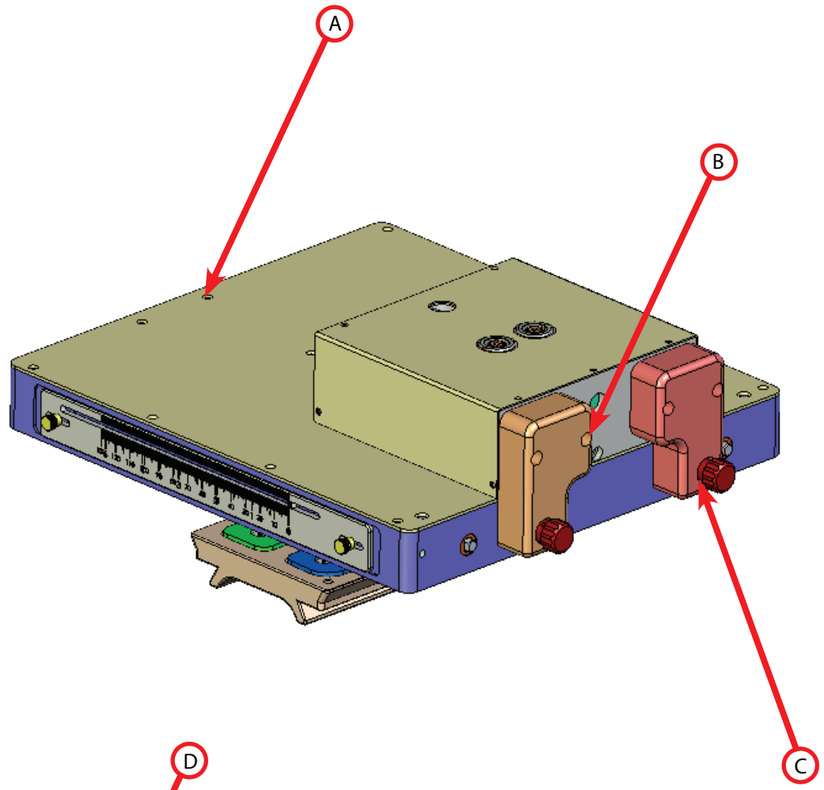


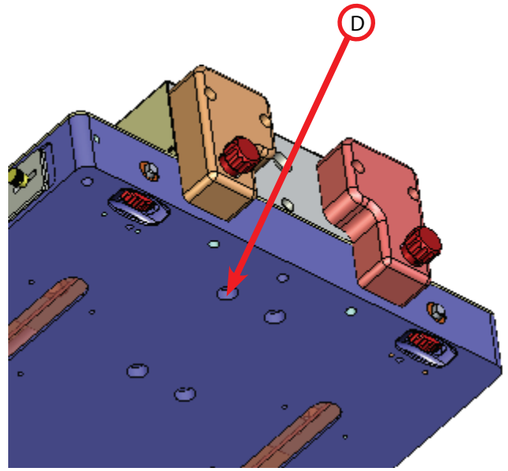
MOTION MODULE HARDWEAR-2

	QTY	SIZE	TYPE	McMASTER #
a.	6	6-32 X 1/2"	SHCS	92196A148
b.	2	10-32 X 1/4"	Brass Tip Set Screw	90669A338
c.	1	10-32 X 3/16"	SHCS	92196A264
d.	14	6-32 X 1/2"	Philips FH	91771A148
e.	2PER NUT	4-40 X 1/8"	Brass Cup Set Screw	92991A103
f.	2	5/16"	Teflon Washer	95630A219

Copyright and trademark, 3ality Technica® 2012. All Rights Reserved. 2012, 3ality Digital Systems, LLC. All Rights reserved.
All trademarks property of 3ality Digital Systems, LLC. Prices and availability subject to change without notice.



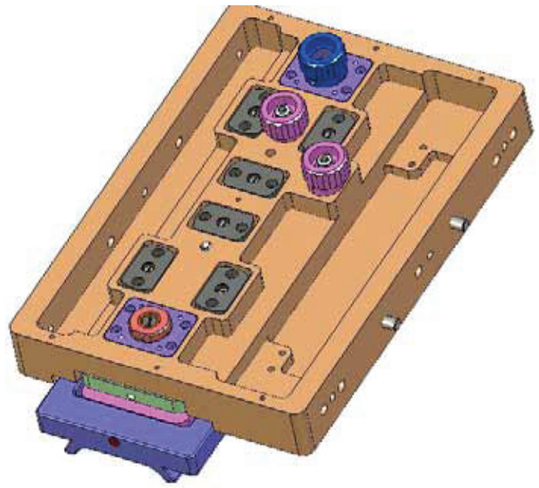


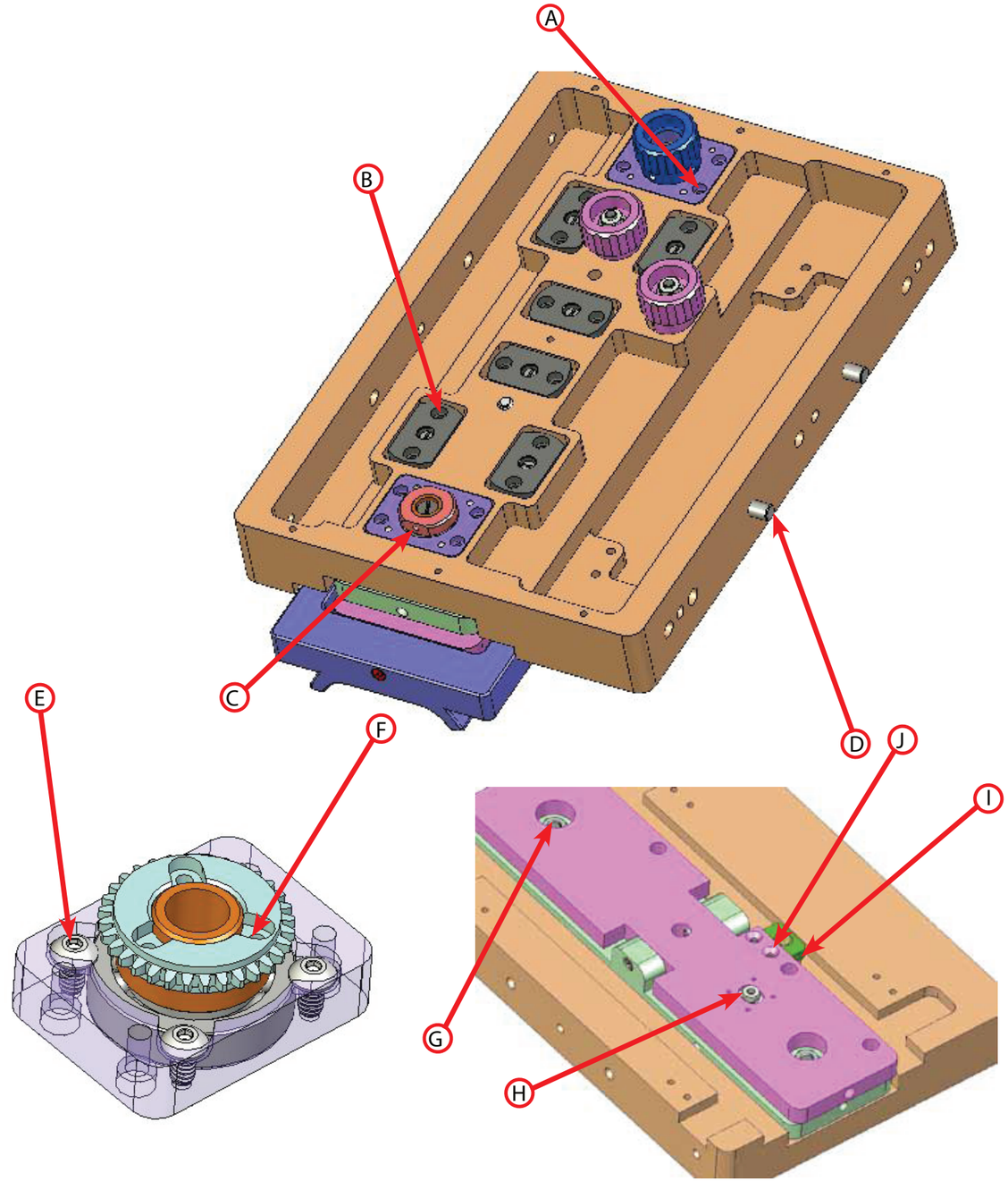


MOTION MODULE HARDWEAR -3

	QTY	SIZE	TYPE	McMASTER #
a.	4	10-24 X 1/4”	BHCS	92949A238
b.	4	6-32 X 3/4”	SHCS	92196A151
c.	4	4-40 X 1/8”	SS Cup Set Screw	92311A103
d.	4	10-24 X 1 3/8”	SHCS	92196A250

Copyright and trademark, 3ality Technica® 2012. All Rights Reserved. 2012, 3ality Digital Systems, LLC. All Rights reserved.
All trademarks property of 3ality Digital Systems, LLC. Prices and availability subject to change without notice.

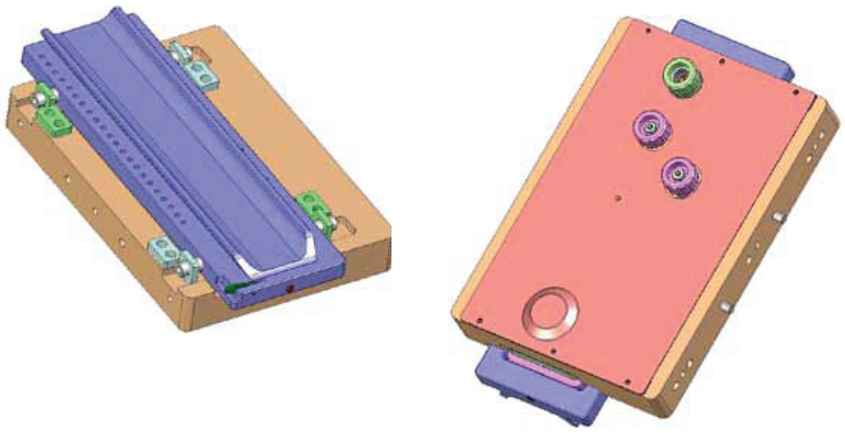


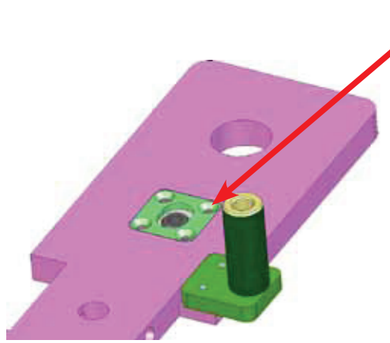


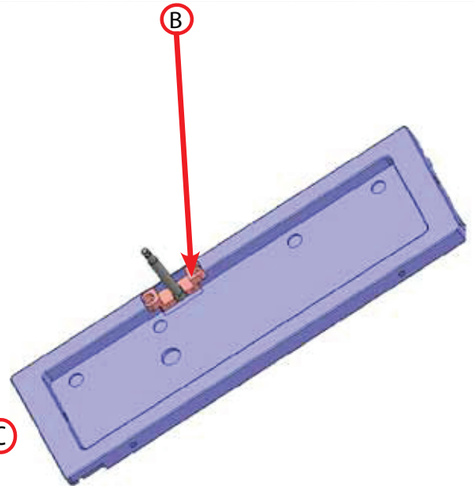
ALIGNMENT MODULE HARDWEAR -1

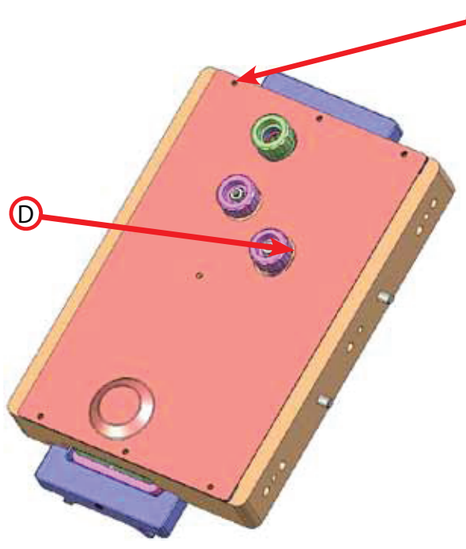
	QTY	SIZE	TYPE	McMASTER #
a.	8	4-40 X 1/2"	SHCS	92196A110
b.	12	6-32 X 1/4"	SHCS	92196A144
c.	2	6-32 X 1/8"	SS Nylon Tip Set Screw	90291A142
d.	2	1/4" X 1/4"	Dowel,Pin Protrude .25"	
e.	8	6-32 X 1/4"	BHCS	92949A144
f.	6	2-56 X 1/4"	SHCS	92196A077
g.	2	1/4-20	Serrated Flagged Hex Nut	93776A421
h.	1	8-32	Hex Nut SS	90730A010
i.	1	6-32 X 1/8"	SS Nylon Tip Set Screw	90291A142
j.	2	6-32 X 3/8"	Socket Cap FH	92210A146

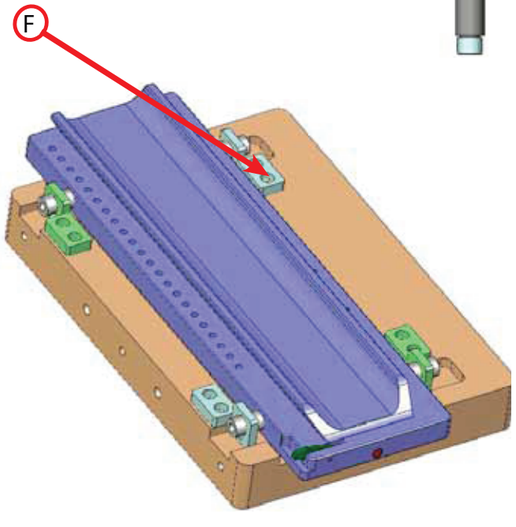
Copyright and trademark, 3ality Technica® 2012. All Rights Reserved. 2012, 3ality Digital Systems, LLC. All Rights reserved.
All trademarks property of 3ality Digital Systems, LLC. Prices and availability subject to change without notice.

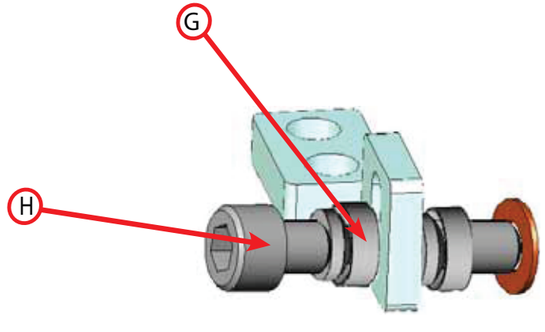








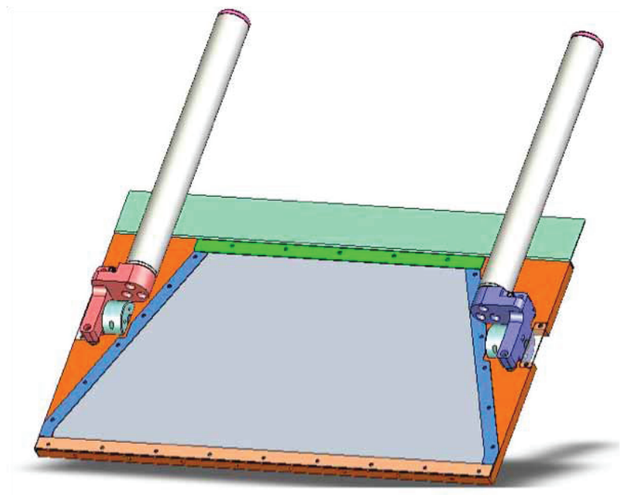




ALIGNMENT MODULE HARDWEAR -2

	QTY	SIZE	TYPE	McMASTER #
a.	4	4-40 X 1/4"	Socket Cap FH	92210A105
b.	2	6-32 X 3/8"	Socket Cap FH	92210A146
c.	2		Flanged Bearings	
d.	2	8-32	Hex Nut SS	90730A010
e.	7	6-32 X 3/16"	BHCS	92949A143
f.	8	8-32 X 3/8"	SHCS	92196A192
g.	2	Each locker gets 2 Spherical Washer sets and a #10 washer		
h.	4	10-32 X 7/8"	SHCS	92196A273

Copyright and trademark, 3ality Technica® 2012. All Rights Reserved. 2012, 3ality Digital Systems, LLC. All Rights reserved.
All trademarks property of 3ality Digital Systems, LLC. Prices and availability subject to change without notice.

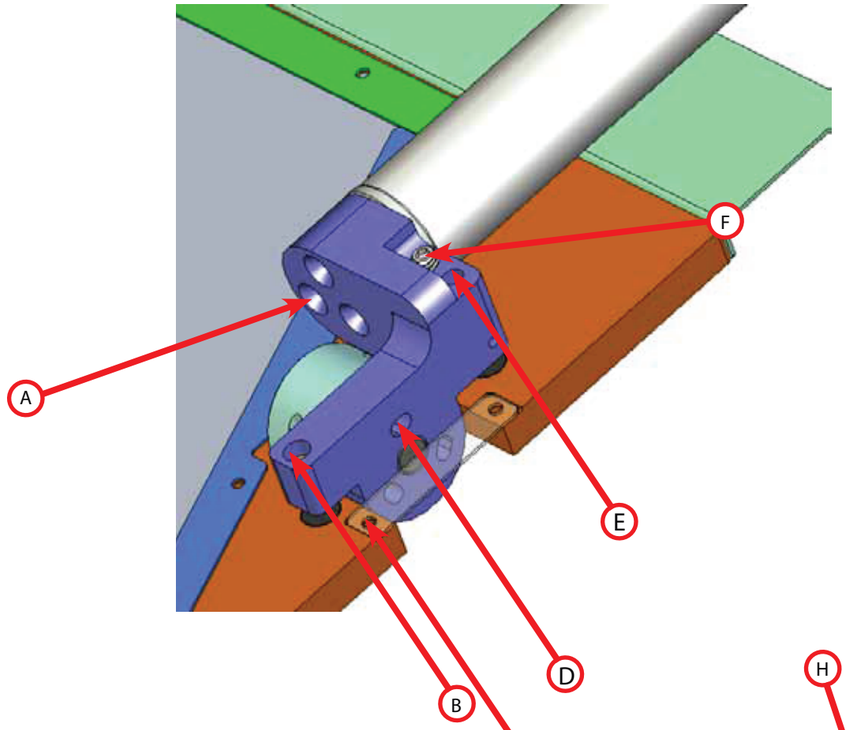


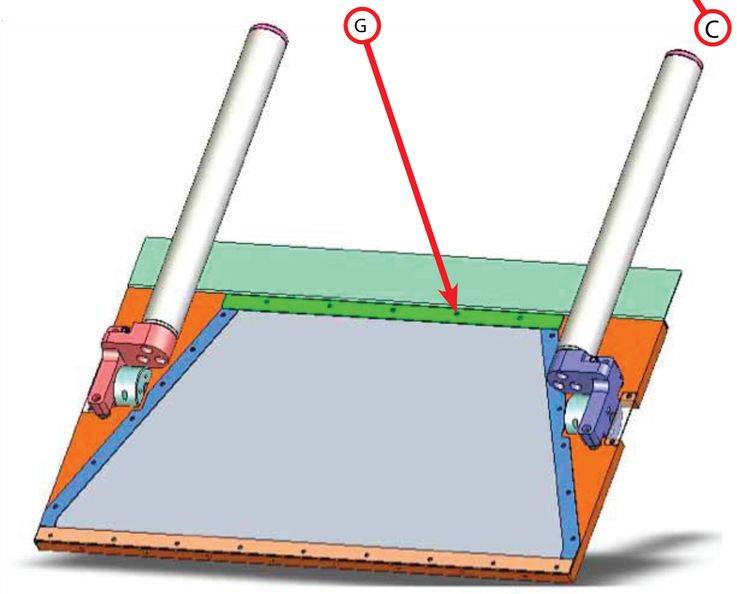
MIRROR FRAME

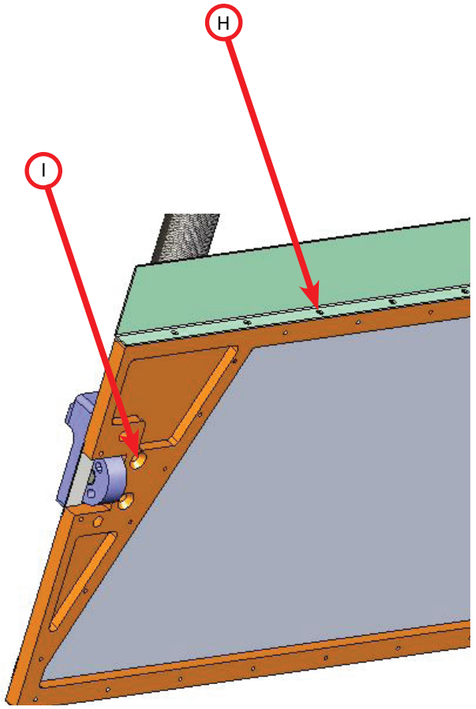
	QTY	SIZE	TYPE	McMASTER #
a.	6	8-32 X 3/8"	Philips FH Black	96640A123
b.	2		Brass Threaded Bushing	98625A950
w/ b.	2	1/4"-80	Adjustment Set Screw	98625A650
c.	4	4-40 X 3/16"	Philips Pan Head	91249A102
d.	6	6-32 X 3/4"	SHCS	92196A151
w/ d.	6	#6	Flat SS Washer	90945A716
e.	2	1/4"-20 X 3/4"	SS Cup Point Set Screw	92311A540
f.	2	1/4"-20	Delrin Nose Spring Plunger	2177A482
g.	26	4-40 X 3/16"	Philips Pan Head	91249A102
h.	8	6-32 X 1/4"	SHCS	92196A144
i.	4	10-32 X 5/8"	Philips FH	96640A145

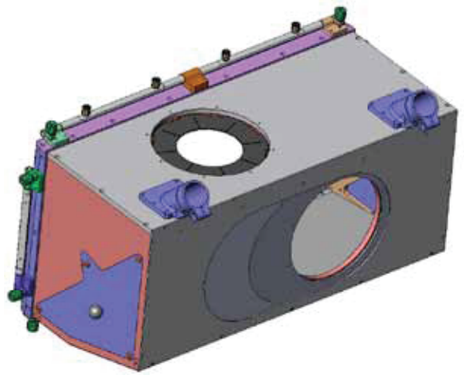
Copyright and trademark, 3ality Technica® 2012. All Rights Reserved. 2012, 3ality Digital Systems, LLC. All Rights reserved.
All trademarks property of 3ality Digital Systems, LLC. Prices and availability subject to change without notice.

Rev. 08-12.2



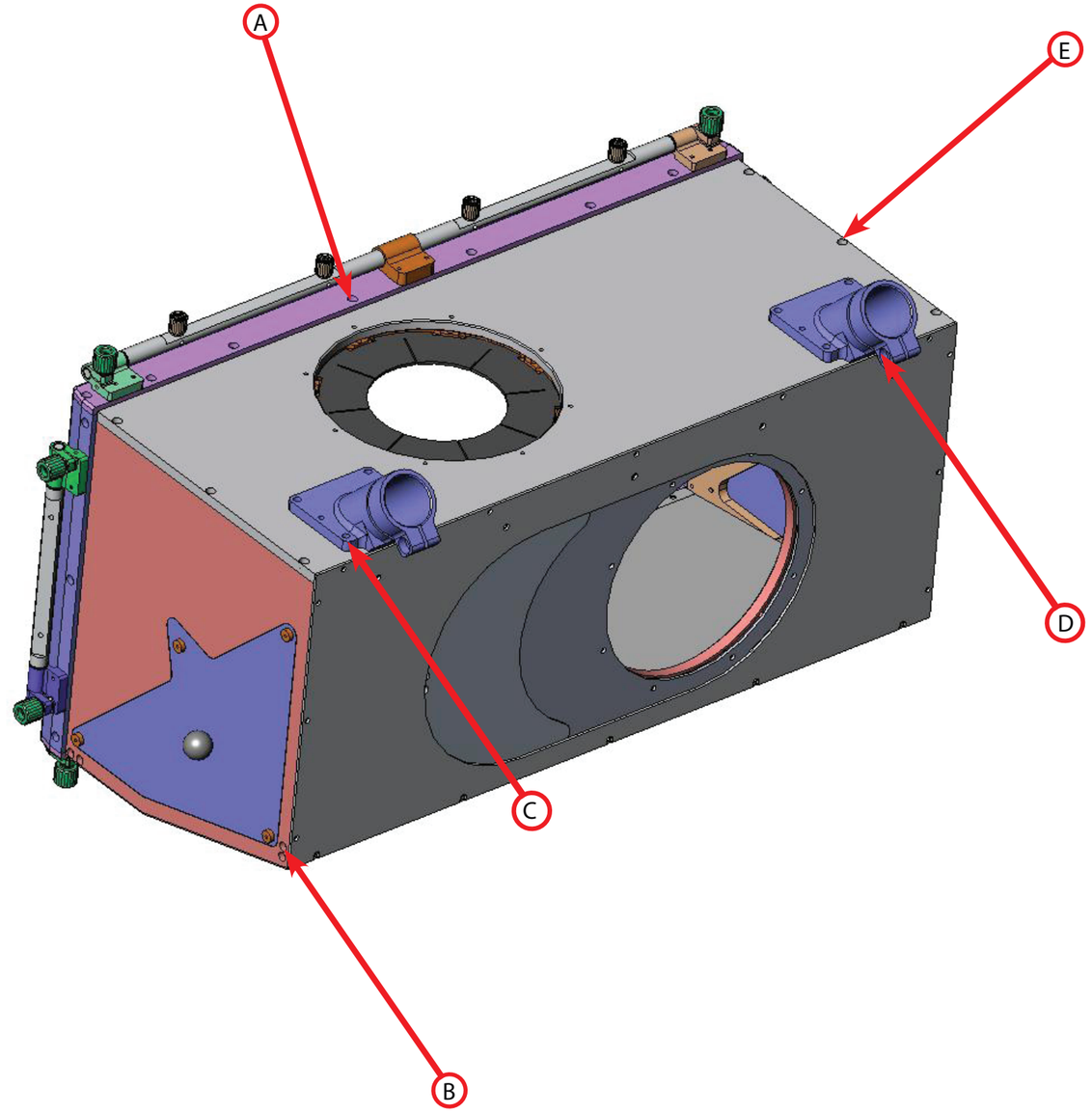




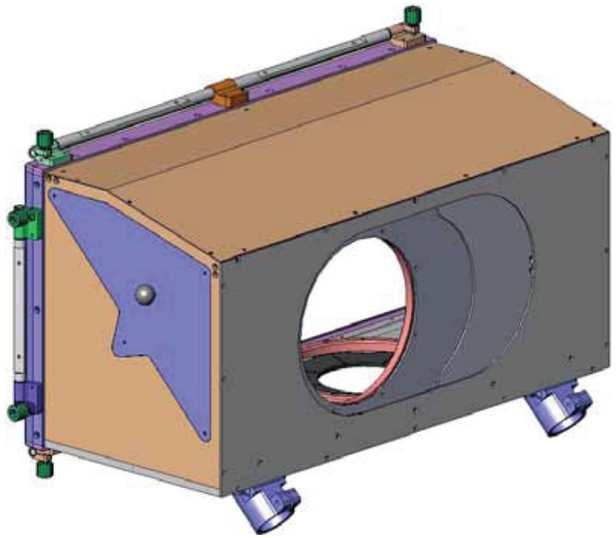


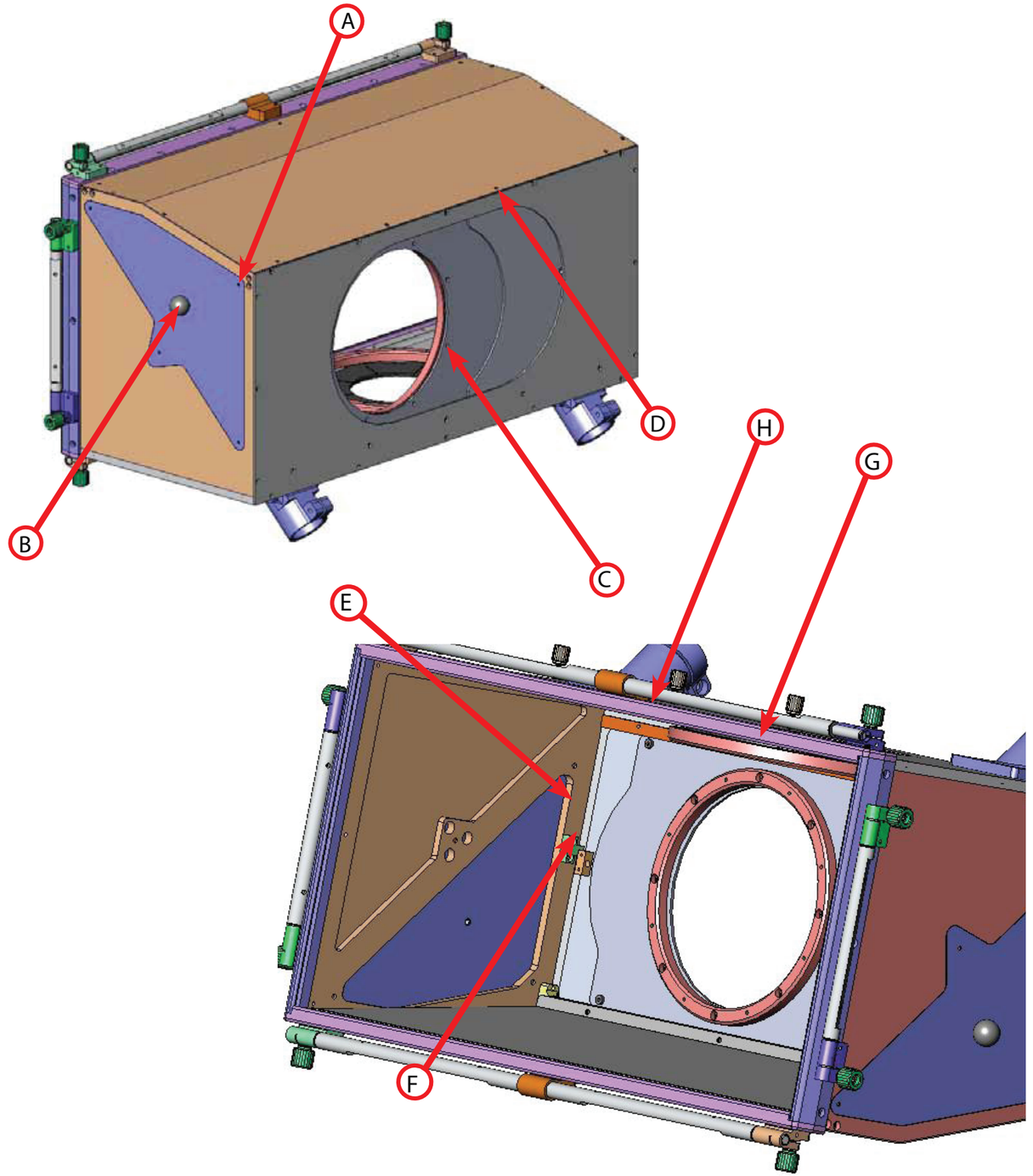
MIRROR BOX HARDWEAR -1

	QTY	SIZE	TYPE	McMASTER #
a.	22	4-40 X 1/4"	SHCS	92196A106
b.	8	4-40 x 5/16"	SHCS	92196A107
c.	8	8-32 X 1/2"	SHCS Black	96006A616
d.	2	10-24 X 1/2"	SHCS	92196A242
e.	6	4-40 X 5/16"	SHCS	92196A107



Copyright and trademark, 3ality Technica® 2012. All Rights Reserved. 2012, 3ality Digital Systems, LLC. All Rights reserved.
All trademarks property of 3ality Digital Systems, LLC. Prices and availability subject to change without notice.

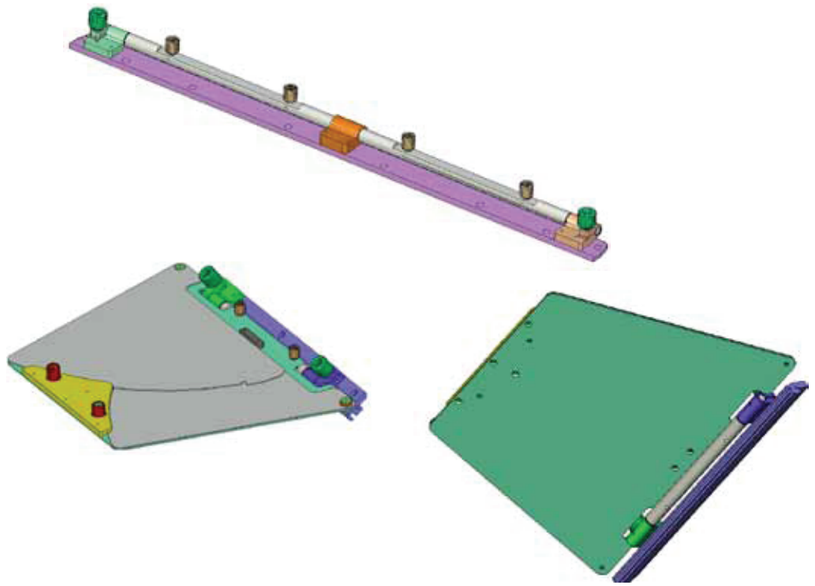


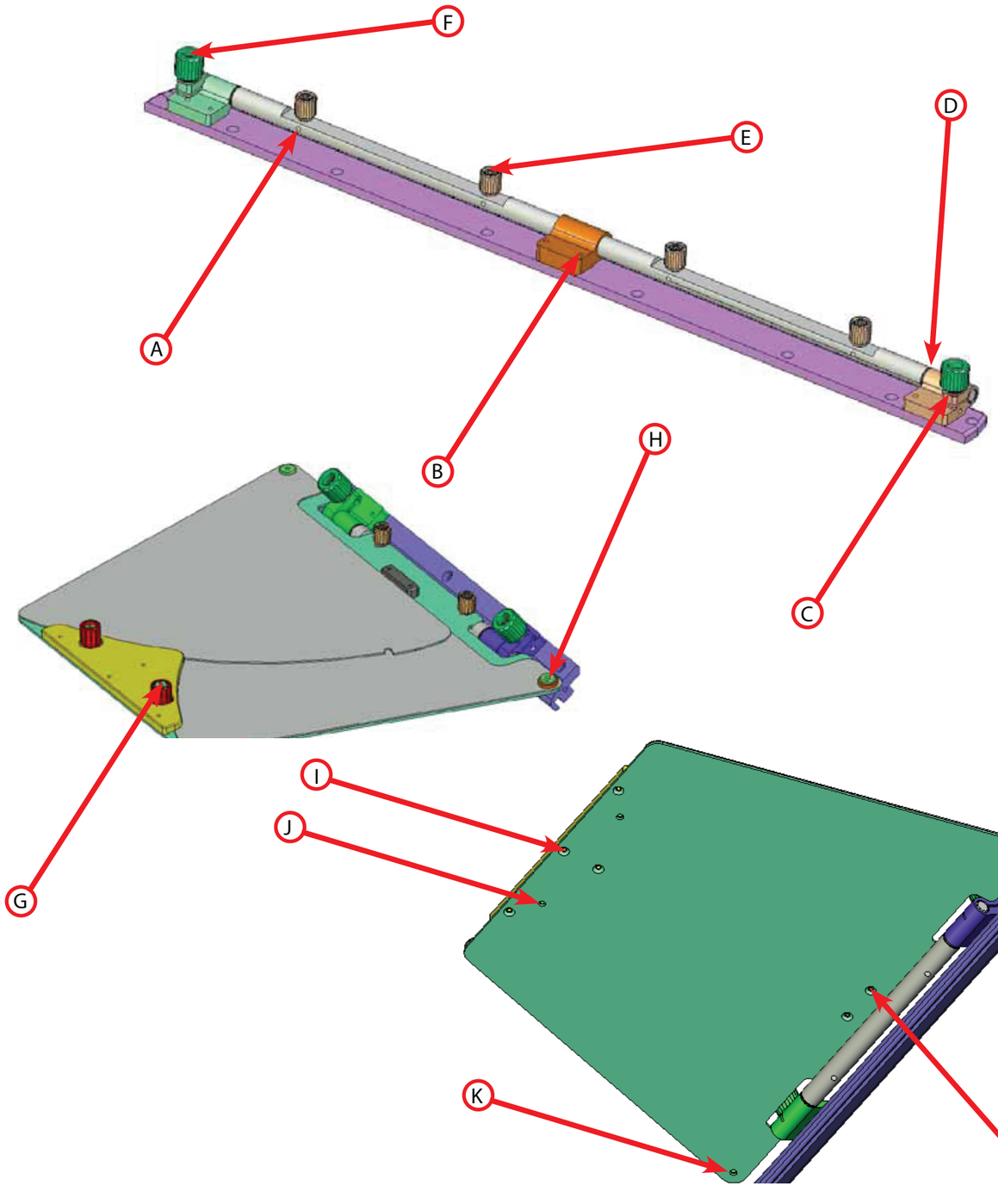


MIRROR BOX HARDWEAR -2

	QTY	SIZE	TYPE	McMASTER #
a.	8	2-56 X 1/8"	SHCS	92196A074
b.	8	8-32 X 1/2"	SHCS	96006A616
c.	8	4-40 X 5/16	Philips Pan Head Black	91249A107
d.	34	4-40 X 3/16"	Philips Pan Head Black	91249A102
e.	4	2-56 X 1/4"	SHCS	92196A077
f.	4	2-56 X 3/16"	SHCS	92196A076
g.	8	4-40 X 3/8"	SHCS Black	96006A213
h.	4	4-40 X 1/4"	Philips Pan Hwad Black	91249A105

Copyright and trademark, 3ality Technica® 2012. All Rights Reserved. 2012, 3ality Digital Systems, LLC. All Rights reserved.
All trademarks property of 3ality Digital Systems, LLC. Prices and availability subject to change without notice.



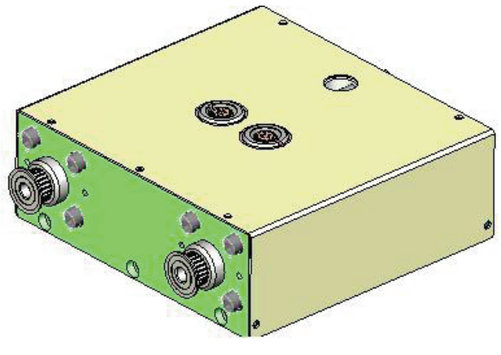


MIRROR BOX HARDWEAR -3

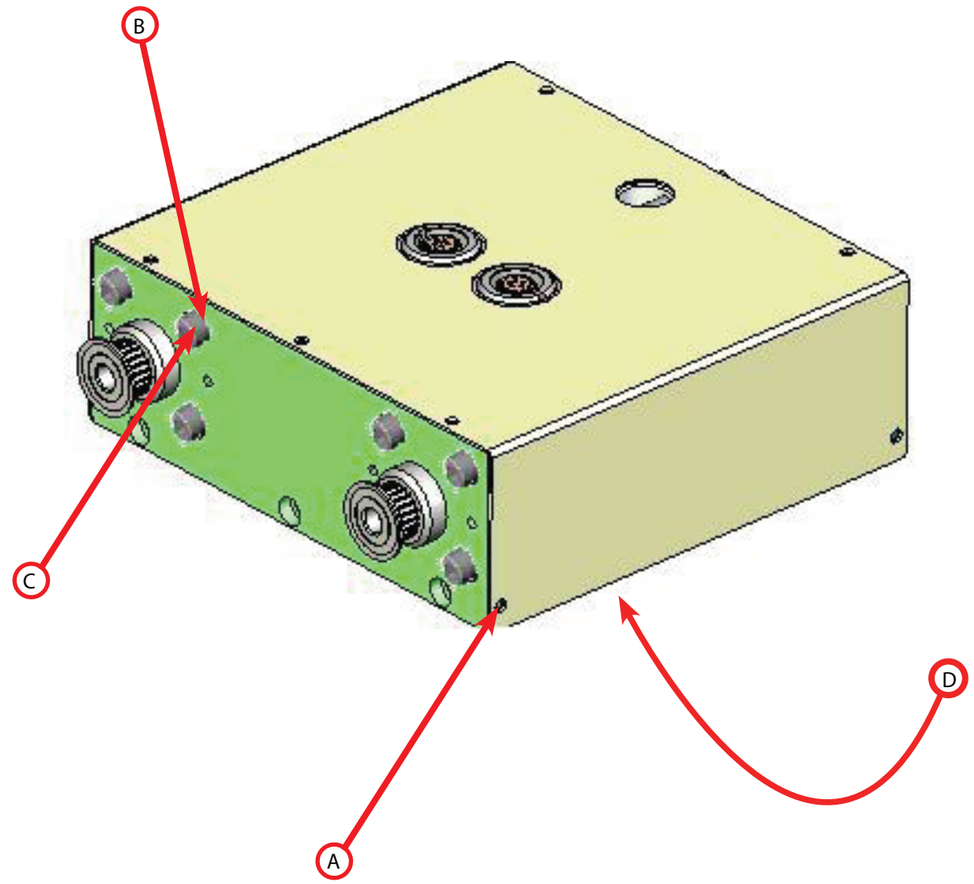
	QTY	SIZE	TYPE	McMASTER #
a.	20	4-40 X 3/32"	Cup Point Set Screw	92311A102
b.	20	4-40 X 1/4"	SHCS	92196A106
c.	8	#6	Plastic Washer	90295A381
d.	8	3/8"	Plastic Washer	95606A451
e.	12	6-32 X 5/8"	SHCS	92196A150
f.	12	6-32 X 3/4"	SHCS	92196A151
g.	4	ET 10-32	Lock Pin	
h.	2	#10	Polyurethane Washer	93650A120
i.	4	4-40 X 3/16"	BHSC	92949A105
j.	8	2-56 X 3/16"	100deg. Philips FH	93085A105
k.	4	4-40 X 3?16"	BHSC	92949A105
l.	2	2-56 X 3?16"	100deg. Philips FH	93085A105

Copyright and trademark, 3ality Technica® 2012. All Rights Reserved. 2012, 3ality Digital Systems, LLC. All Rights reserved.
All trademarks property of 3ality Digital Systems, LLC. Prices and availability subject to change without notice.

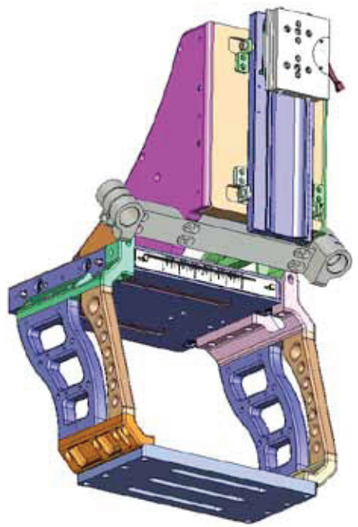
Rev. 08-12.2



MOTOR BOX				
	QTY	SIZE	TYPE	McMASTER #
a.	9	4-40 X 3/16"	Philips Pan Head Black	91249A102
b.	8	#6	Flat SS washer	
c.	8	6-32 X 1/2"	SHCS	92196A148
d.	4	10-24 X 1 3/8"	SHCS	92196A240

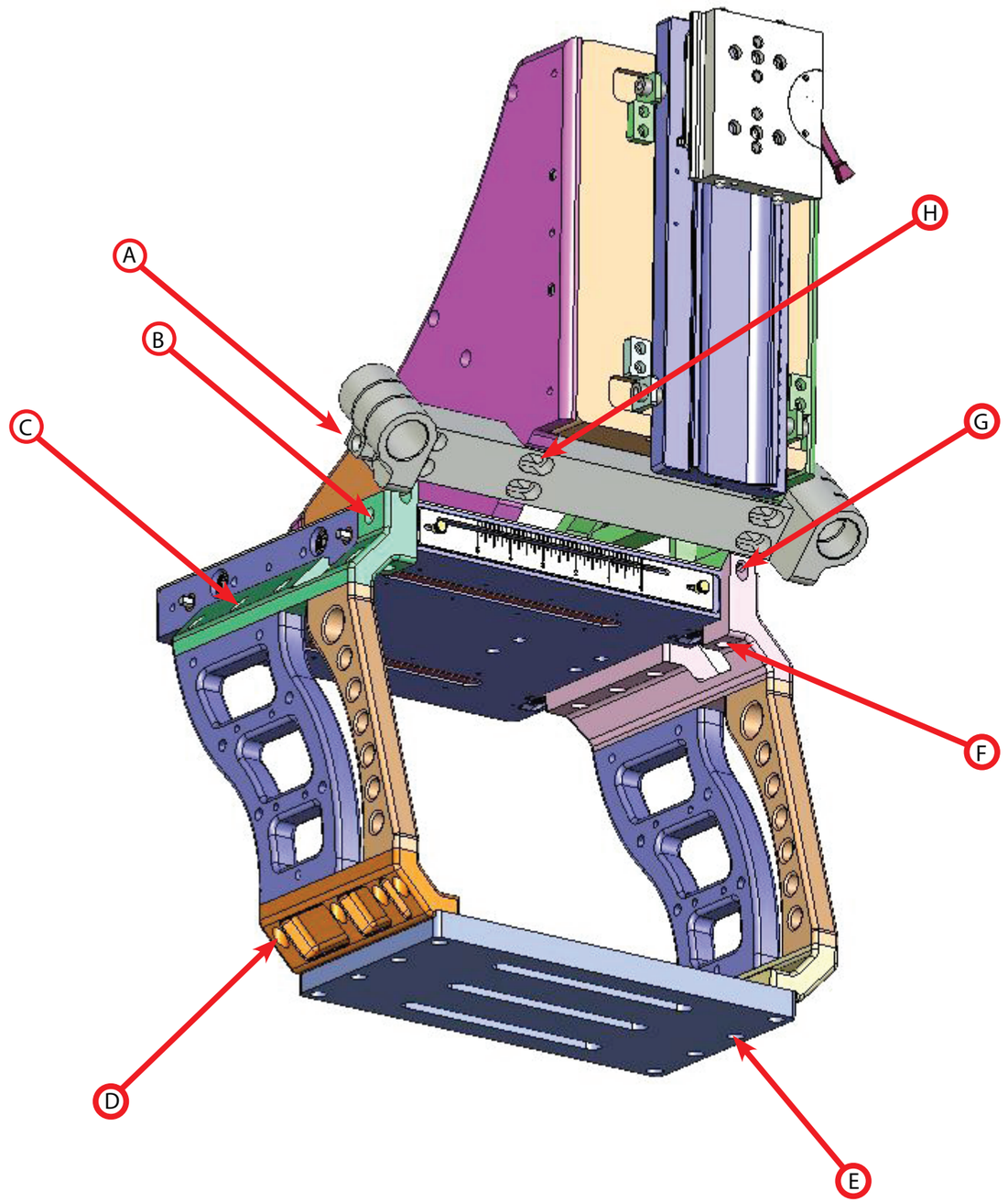


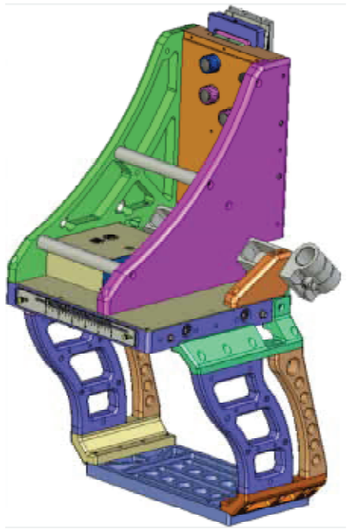
Copyright and trademark, 3ality Technica® 2012. All Rights Reserved. 2012, 3ality Digital Systems, LLC. All Rights reserved.
All trademarks property of 3ality Digital Systems, LLC. Prices and availability subject to change without notice.



FRAME HARDWEAR -1				
	QTY	SIZE	TYPE	McMASTER #
a.	2	1/4-20 X 1/2"	SHCS	92196A537
b.	2	10-24 X 1/2"	FHCS	92210A242
c.	10	1/4-20 X 5/8"	SHCS	92196A539
d.	8	1/4-20 X 5/8"	SHCS	92196A539
e.	8	1/4-20 X 3/4"	SHCS	92196A540
f.	10	1/4-20 X 1/2"	SHCS	92196A537
g.	2	10-24 X 3/8"	SHCS	92196A240
h.	6	1/4-20 X 1/4"	SHCS	92196A544
w/ h.	6	1/4"	Washer	90313A203

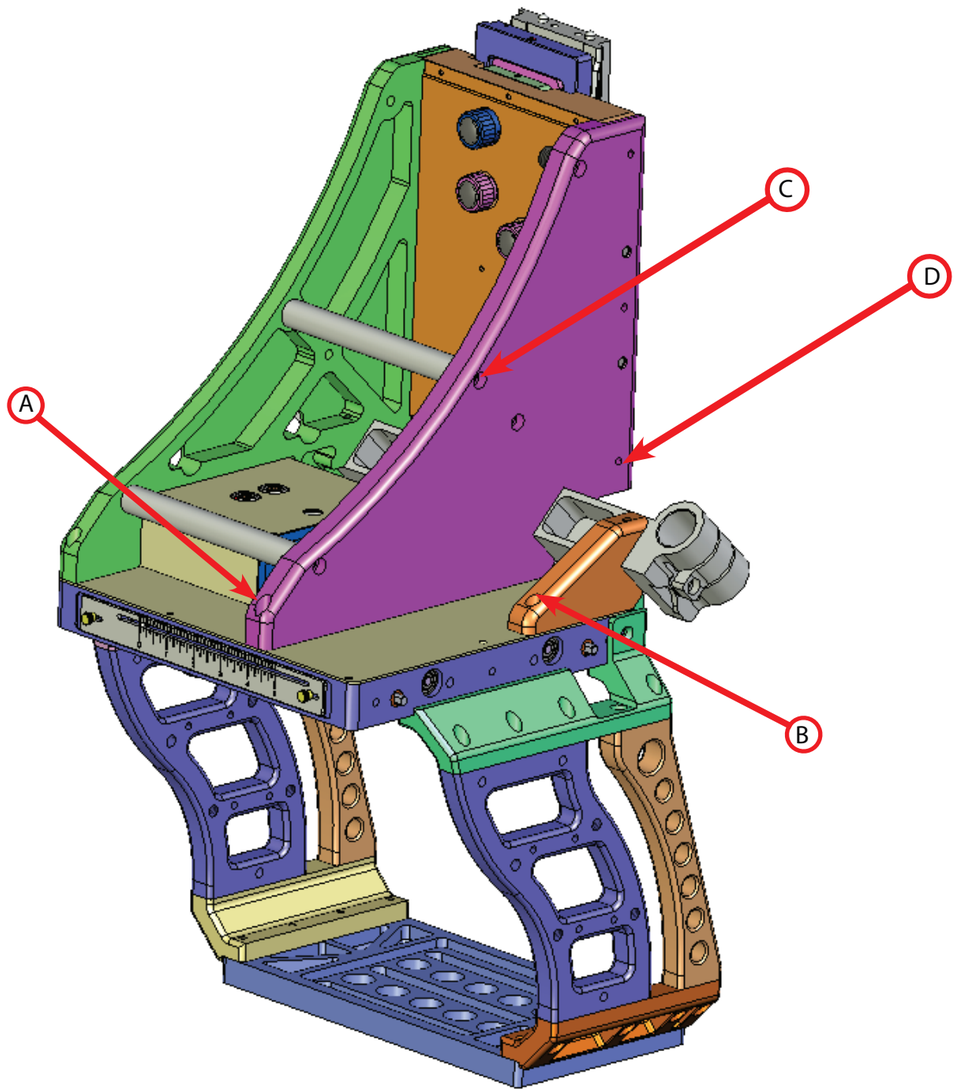
Copyright and trademark, 3ality Technica® 2012. All Rights Reserved. 2012, 3ality Digital Systems, LLC. All Rights reserved.
All trademarks property of 3ality Digital Systems, LLC. Prices and availability subject to change without notice.





FRAME HARDWEAR -2

	QTY	SIZE	TYPE	McMASTER #
a.	5	10-24 X 3/4"	SHCS	92196A245
b.	2	10-24 X 3/4"	SHCS	92196A245
c.	4	1/4-26 X 3/4"	SHCS	92196A540
d.	6	1/4-20 X 3/4"	FHCS	92210A540



Copyright and trademark, 3ality Technica® 2012. All Rights Reserved. 2012, 3ality Digital Systems, LLC. All Rights reserved.
All trademarks property of 3ality Digital Systems, LLC. Prices and availability subject to change without notice.