

ITEMS NOT SHOWN BUT ARE PART OF BASE ASSEMBLY

ITEM	PART NUMBER	DESCRIPTION	QTY
43	108772-001	LABEL, SN, BASE, COMMERCIAL, 9V/1.3A	3
44	103729-001	LABEL, BASE BOX PART NUMBER	2
45	106074-001	QC CHECKLIST, PRO310 INTL BASE	1
46	101395-001	DESICCANT PACKET	6
47	104196-001	ASSEMBLY KIT, BASE HARDWARE	1
48	8021742	BOX ART, PRO310 BASE, DARK	1

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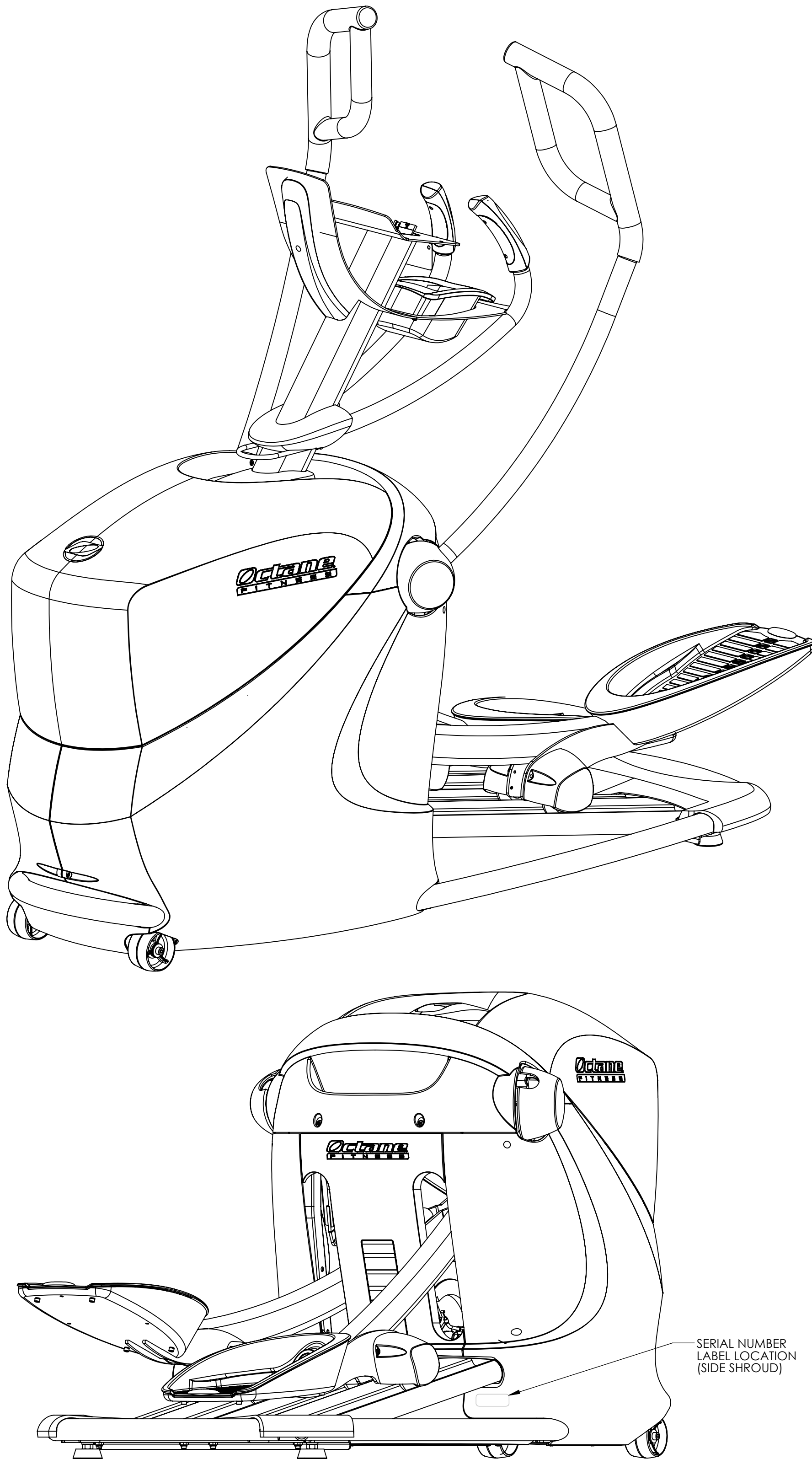
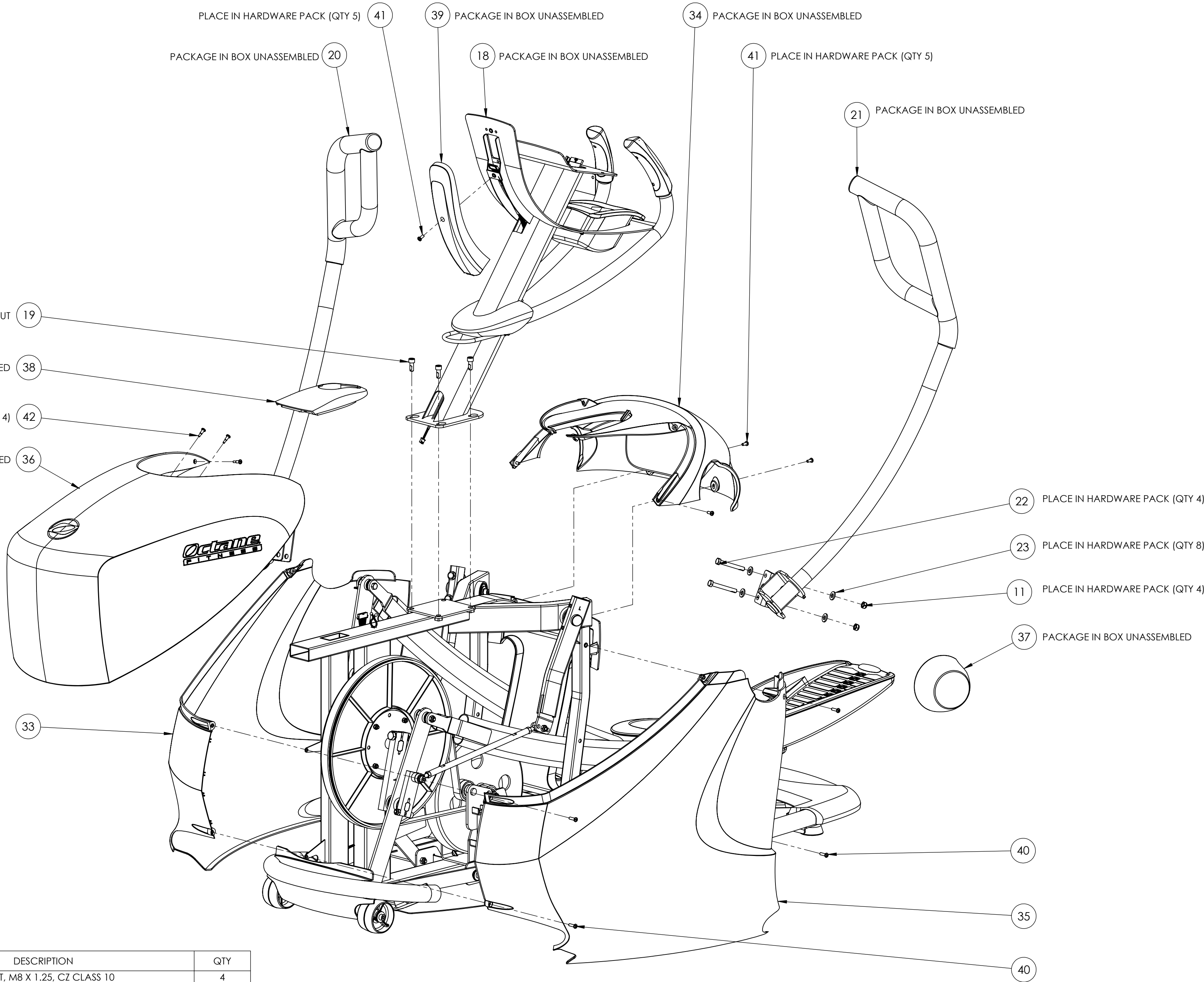
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ITEM NO.	PART NUMBER	DESCRIPTION	QTY
11	103393-001	NUT, HEX. NYLON INSERT, M8 X 1.25, CZ CLASS 10	4
18	8022111	SUB ASSY, CONSOLE MAST, DARK	1
19	101295-001	SCREW, M8 X 1.25 X 20.0L SHCS, BLACK ZINC, 12.9 STL	4
20	8022115	SUB ASSY, MOVING ARM, RH, DARK	1
21	8022117	SUB ASSY, MOVING ARM, LH, DARK	1
22	103735-001	BOLT, M8 X 1.25 X 65 HCS, GR 12.9, CZ	4
23	950042-008	B18.22M, WASHER, PLAIN, STL, M8	8
33	8022119	SHROUD, RIGHT, DARK	1
34	8022120	SHROUD, ACCESS PANEL, DARK	1
35	8022121	SHROUD, LEFT, DARK	1
36	8022122	SUB ASSY, TOP SHROUD, DARK	1
37	8020516	COVER, HANDLE BAR, NO DUAL LOCK, DARK	2
38	8022124	COVER, MAST BOOT, DARK	1
39	8022125	COVER, CONSOLE ACCESS, DARK	1
40	100787-001	SCREW, M5 X 0.8 X 18, PAN HEAD, TYPE 1 CROSS RECESSED, BZ	6
41	100554-001	SCREW, M5 X 0.8 X 12, PAN HEAD, TYPE 1 CROSS RECESSED, BZ	5
42	104562-001	SCREW, M5 X 0.8 X 18, PAN HEAD, TYPE 1, PILOT POINT, BZ	4

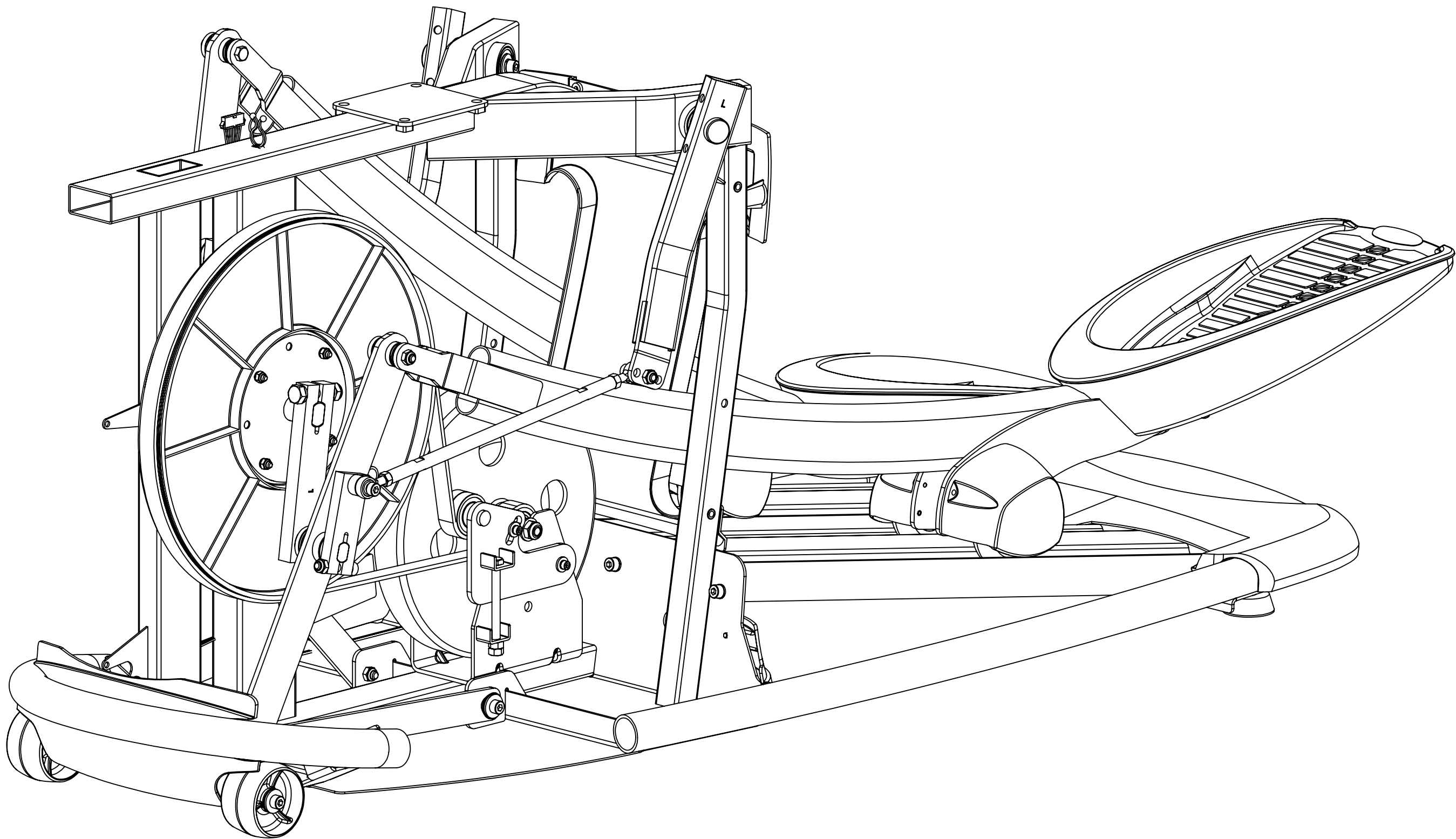
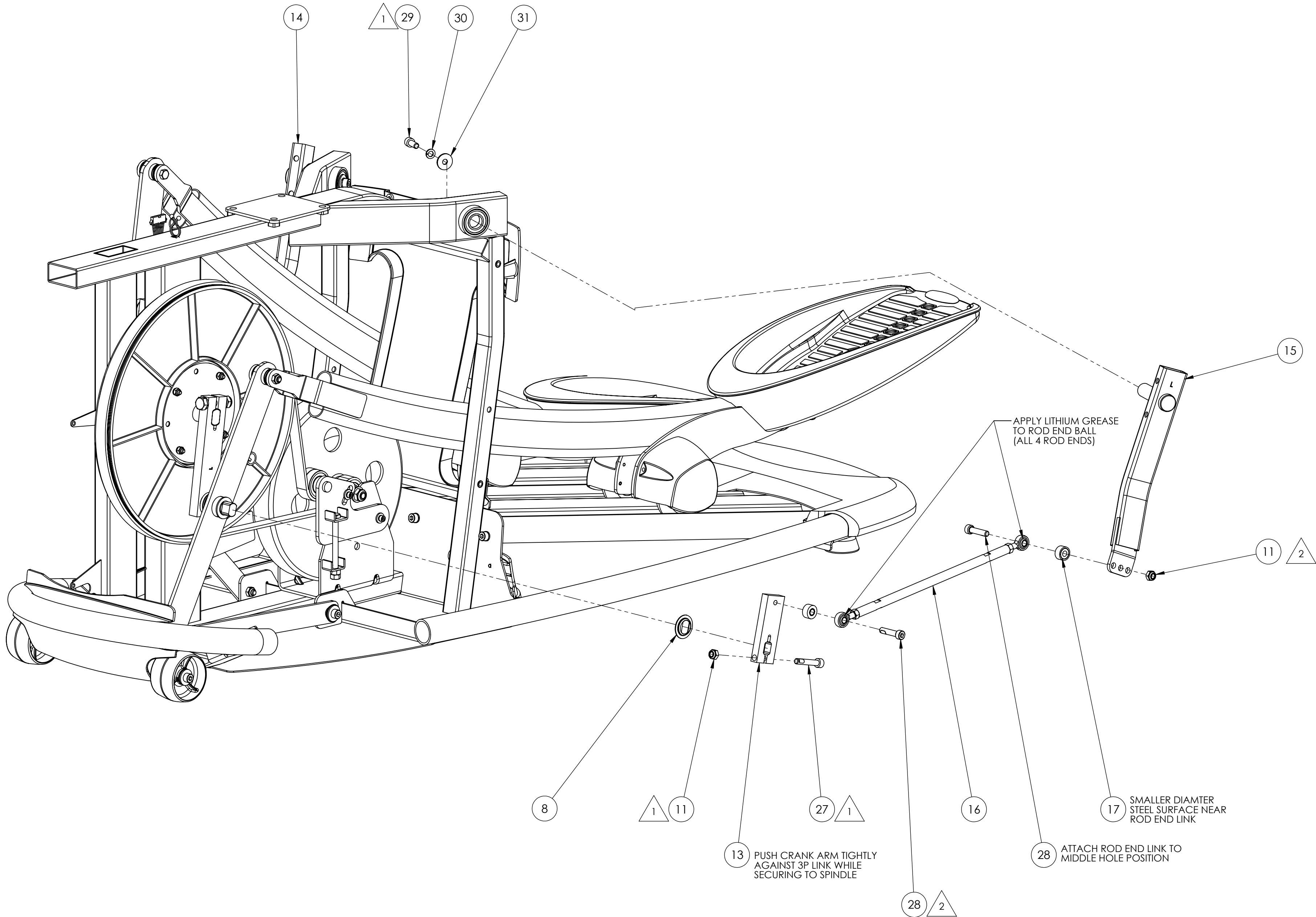
APPLICABLE OCTANE FITNESS SPECIFICATIONS	
SPEC NO.	SPECIFICATION TITLE
OFS-001	BELT TENSION REQUIREMENTS

NOTES:

- OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLE AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
- SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2002/95/EC, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		OCTANE FITNESS <i>Fuel Your Life</i>	
TOLERANCES ARE:		PART DESCRIPTION	
DECIMALS		OCT PRO310 BASE, DARK	
.X ±0.6		±0.5"	
.XX ±0.20			
.XXX ±0.100			
APPROVALS	DATE	SIZE (DWG. NO.)	REV.
DRAWN BY NRL	7/21/2009	B 8022007	A
SCALE 1:6		DO NOT SCALE DRAWING	
		SHEET 1 OF 5	

REV	DESCRIPTION	ECN #	DATE	ENG
-	See Sheet 1	-	-	-



ITEM NO.	PART NUMBER	DESCRIPTION	QTY
8	103732-001	WASHER, CENTER 3P	2
11	103393-001	NUT, HEX, NYLON INSERT, M8 X 1.25, CZ CLASS 10	4
13	103620-001	CRANK, OFFSET	2
14	103721-001	WELDMENT, RIGHT ROCKER	1
15	103724-001	WELDMENT, LEFT ROCKER	1
16	109747-001	ASSEMBLY, ROD END LINK	2
17	108653-001	SPACER, 8 X 20 X 10, METAL-PLASTIC, HARDENED	4
27	101296-001	SCREW, M8 X 1.25 X 45.0L SHCS, BLACK ZINC, 12.9 STL	2
28	101723-001	SCREW, M8 X 1.25 X 35.0L SHCS, BLACK ZINC, 12.9 STL	4
29	950007-009	SCREW, M8 X 1.25 X 20.0L SHCS, BLACK ZINC, STL	2
30	950052-008	B18.21.2M, WASHER, LOCK, STL, M8	2
31	102454-001	WASHER, 8 X 24 X 2, STEEL, CZ	2

NOTES:

1. TORQUE FASTENER TO 23 N-M (17 FT-LB)
2. TORQUE FASTENER TO 45 N-M (33 FT-LB)

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN
MILLIMETERS

TOLERANCES ARE:
DECIMALS ANGLES
.X ±0.6
.XX ±0.20
.XXX ±0.100
±0.5°

APPROVALS
DRAWN BY
NRL

DATE
7/21/2009

SIZE (DWG. NO.)
SCALE 1:6
DO NOT SCALE DRAWING

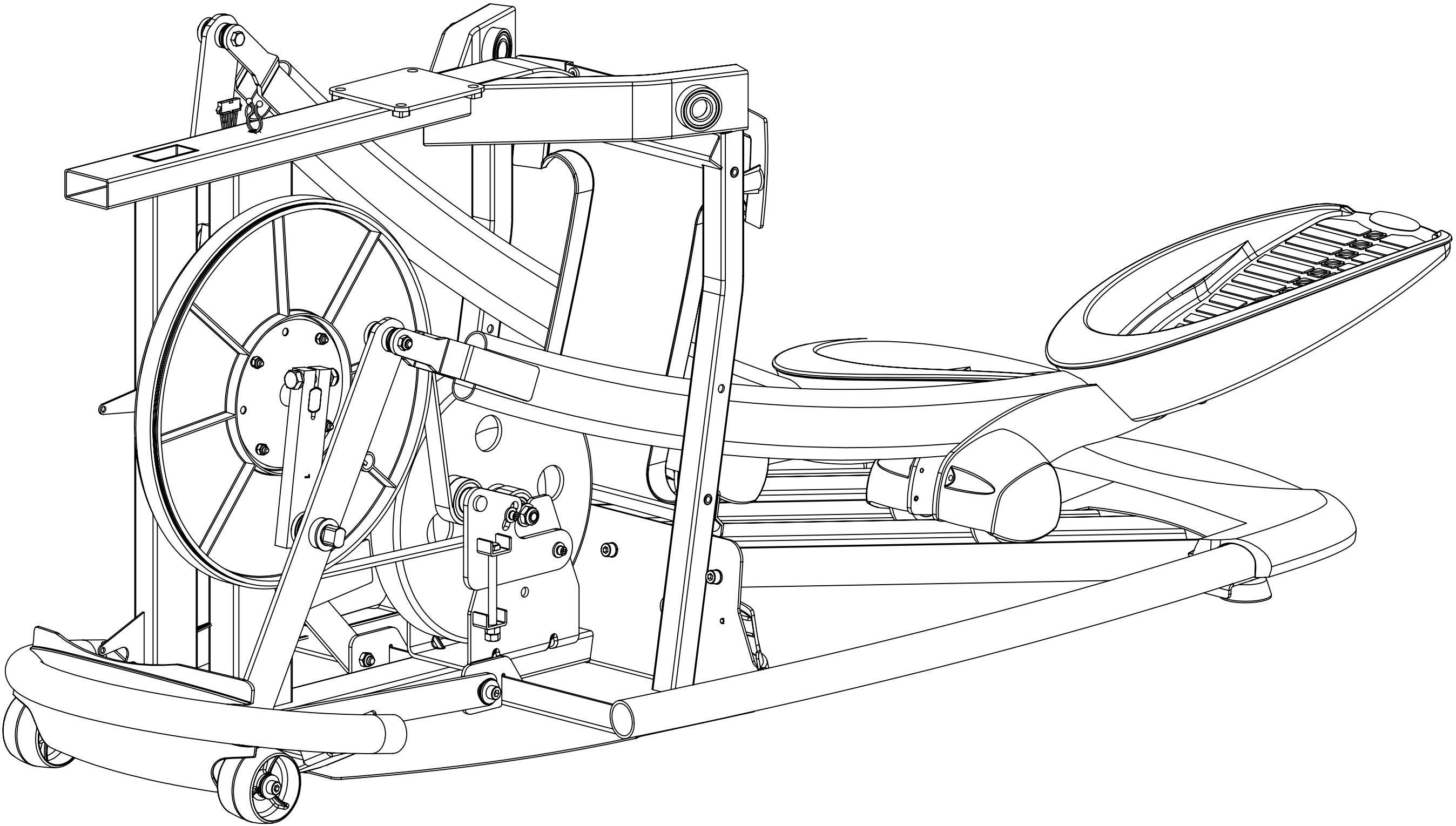
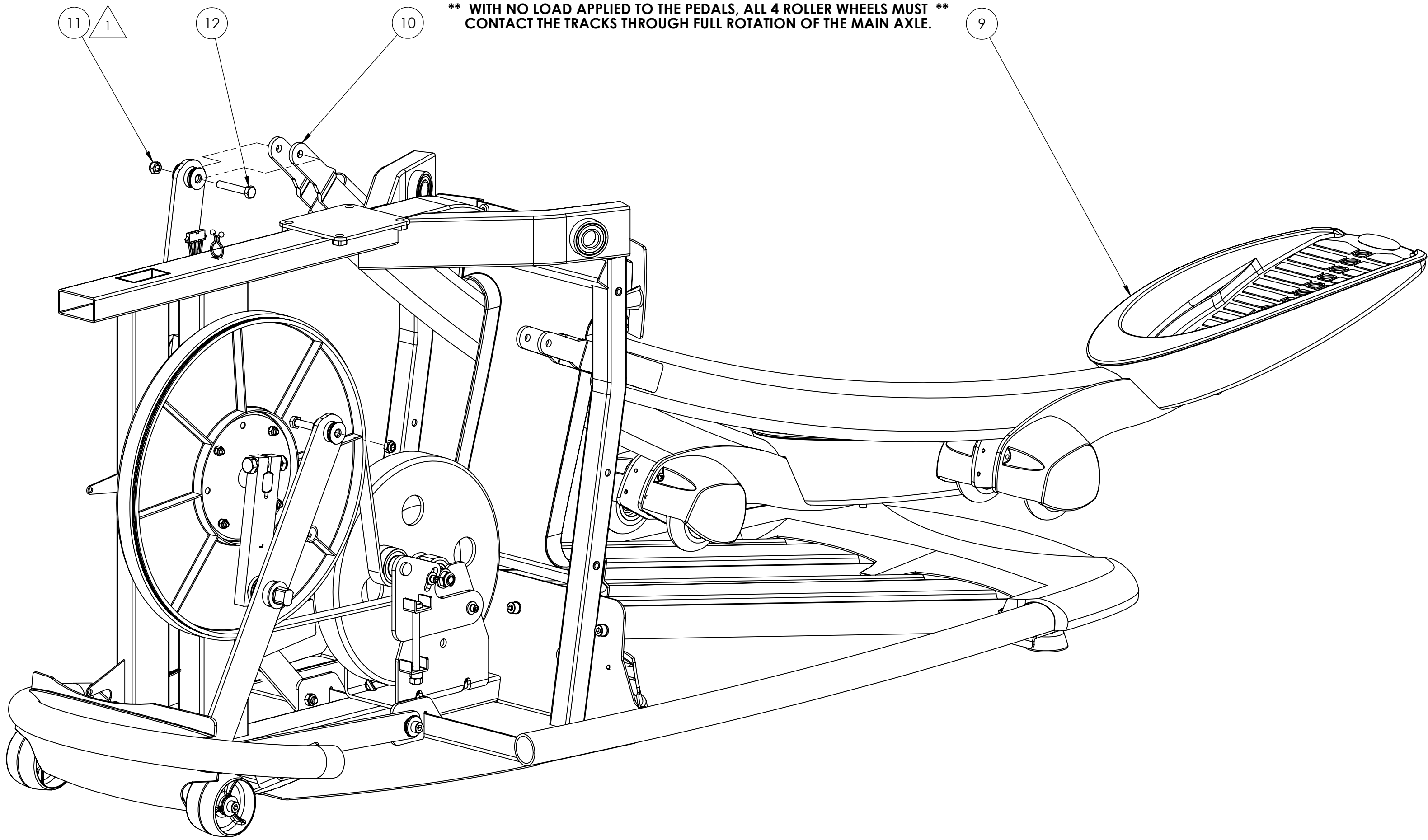
8022007
SHEET 2 OF 5

REV.
A

OCTANE FITNESS
Fuel Your Life

PART DESCRIPTION
OCT PRO310 BASE, DARK

REV	DESCRIPTION	ECN #	DATE	ENG
-	See Sheet1	-	-	-



ITEM NO.	PART NUMBER	DESCRIPTION	QTY
9	8022103	SUB ASSY, BRACED PEDAL LEVER, LH, DARK	1
10	8022107	SUB ASSY, BRACED PEDAL LEVER, RH, DARK	1
11	103393-001	NUT, HEX, NYLON INSERT, M8 X 1.25, CZ CLASS 10	2
12	101889-001	SCREW, M8 X 1.25 X 50 HHCS, 8.8 ST, CZ	2

NOTES:
1. TORQUE FASTENER TO 23 N·M (17 FT·LB)

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN
MILLIMETERS

TOLERANCES ARE:

DECIMALS	ANGLES
.X ±0.6	±0.5°
.XX ±0.20	
.XXX ±0.100	

APPROVALS
DRAWN BY
NRL

DATE
7/21/2009

SIZE (DWG. NO.)
B
8022007

SCALE 1:6
DO NOT SCALE DRAWING

REV.
A

SHEET 3 OF 5

OCTANE FITNESS
Fuel Your Life

PART DESCRIPTION
OCT PRO310 BASE, DARK

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF OCTANE FITNESS. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF OCTANE FITNESS IS PROHIBITED.

REV	DESCRIPTION	ECN #	DATE	ENG
-	See Sheet1	-	-	-

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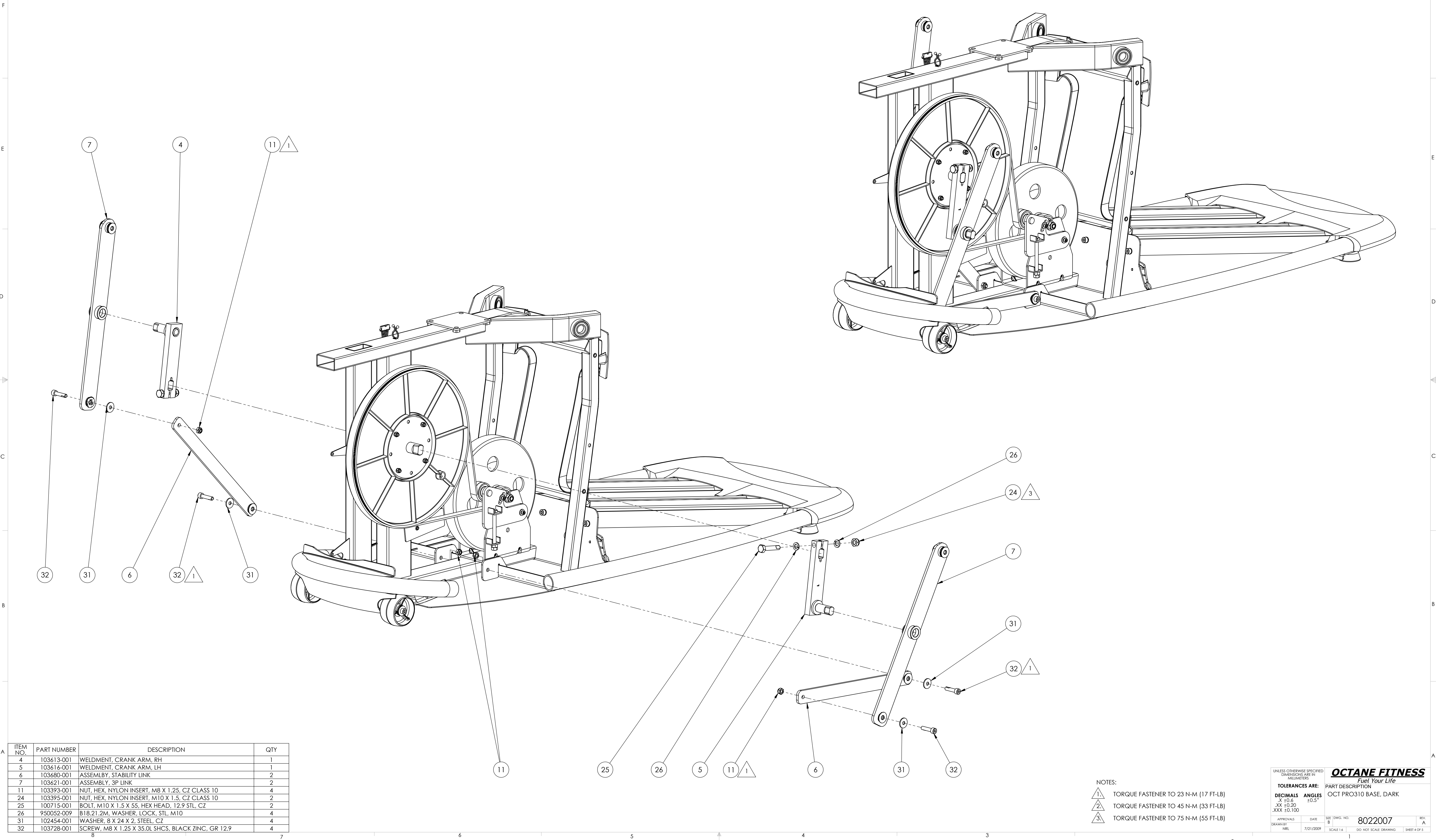
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ITEM NO.	PART NUMBER	DESCRIPTION	QTY
4	103613-001	WELDMENT, CRANK ARM, RH	1
5	103616-001	WELDMENT, CRANK ARM, LH	1
6	103680-001	ASSEMBLY, STABILITY LINK	2
7	103621-001	ASSEMBLY, 3P LINK	2
11	103393-001	NUT, HEX, NYLON INSERT, M8 X 1.25, CZ CLASS 10	4
24	103395-001	NUT, HEX, NYLON INSERT, M10 X 1.5, CZ CLASS 10	2
25	100715-001	BOLT, M10 X 1.5 X 55, HEX HEAD, 12.9 STL, CZ	2
26	950052-009	B18.21.2M, WASHER, LOCK, STL, M10	4
31	102454-001	WASHER, 8 X 24 X 2, STEEL, CZ	4
32	103728-001	SCREW, M8 X 1.25 X 35.0L SHCS, BLACK ZINC, GR 12.9	4

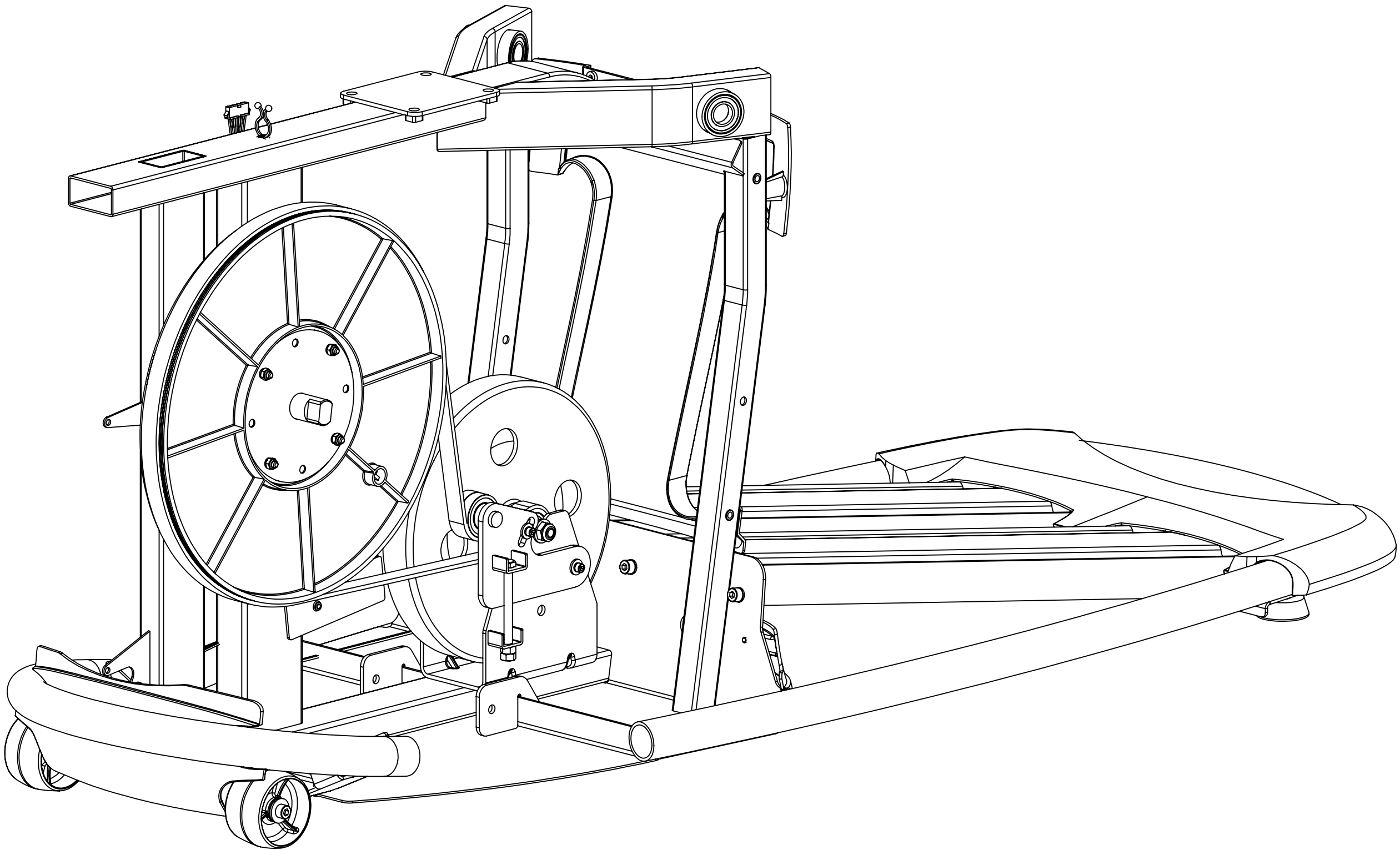
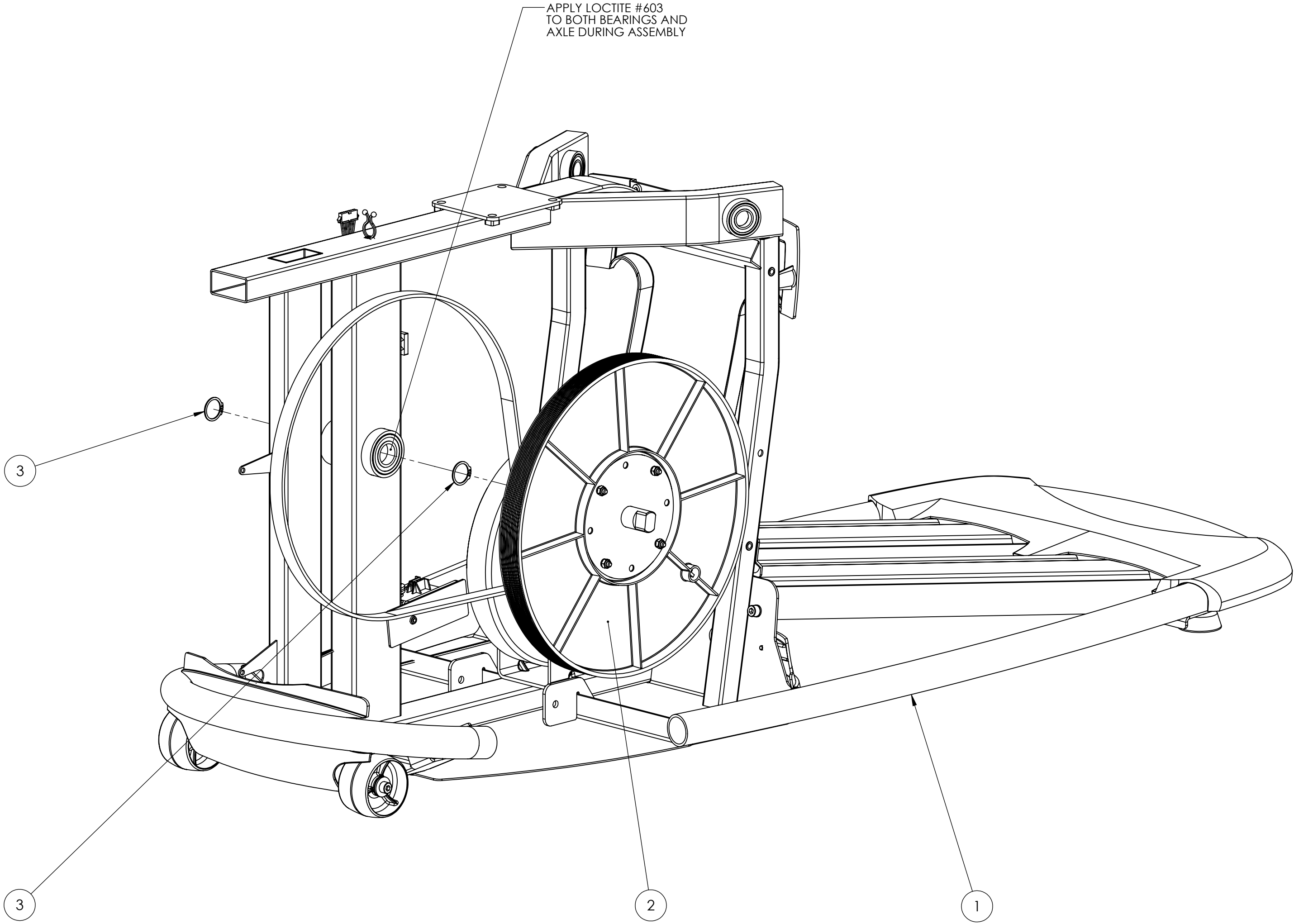
NOTES:

- 1. TORQUE FASTENER TO 23 N-M (17 FT-LB)
- 2. TORQUE FASTENER TO 45 N-M (33 FT-LB)
- 3. TORQUE FASTENER TO 75 N-M (55 FT-LB)

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		OCTANE FITNESS <i>Fuel Your Life</i>	
TOLERANCES ARE:		PART DESCRIPTION	
DECIMALS	ANGLES	OCT PRO310 BASE, DARK	
.X ±0.6	±0.5°		
.XX ±0.20			
.XXX ±0.100			
APPROVALS	DATE	SIZE (DWG. NO.)	REV.
DRAWN BY NRL	7/21/2009	B 8022007	A
SCALE 1:6		DO NOT SCALE DRAWING SHEET 4 OF 5	

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REV	DESCRIPTION	ECN #	DATE	ENG
-	See Sheet1	-	-	-



ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	8021744	SUB ASSY. PRO310, LOWER FRAME, DARK	1
2	103610-001	ASSEMBLY, PULLEY	1
3	900009-001	RING, RETAINING, 25MM	2

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN
MILLIMETERS

TOLERANCES ARE:

DECIMALS	ANGLES
.X ±0.6	±0.5°
.XX ±0.20	
.XXX ±0.100	

APPROVALS

DATE

DRAWN BY

NRL

7/21/2009

SIZE

DWG. NO.

8022007

SCALE 1:4

DO NOT SCALE DRAWING

SHEET 5 OF 5

OCTANE FITNESS
Fuel Your Life

PART DESCRIPTION

OCT PRO310 BASE, DARK

REV.
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ECO		REV	REV DESCRIPTION	APPROVED	DATE
003110		A	PRODUCTION RELEASE	C.CHENG	1/4/2019

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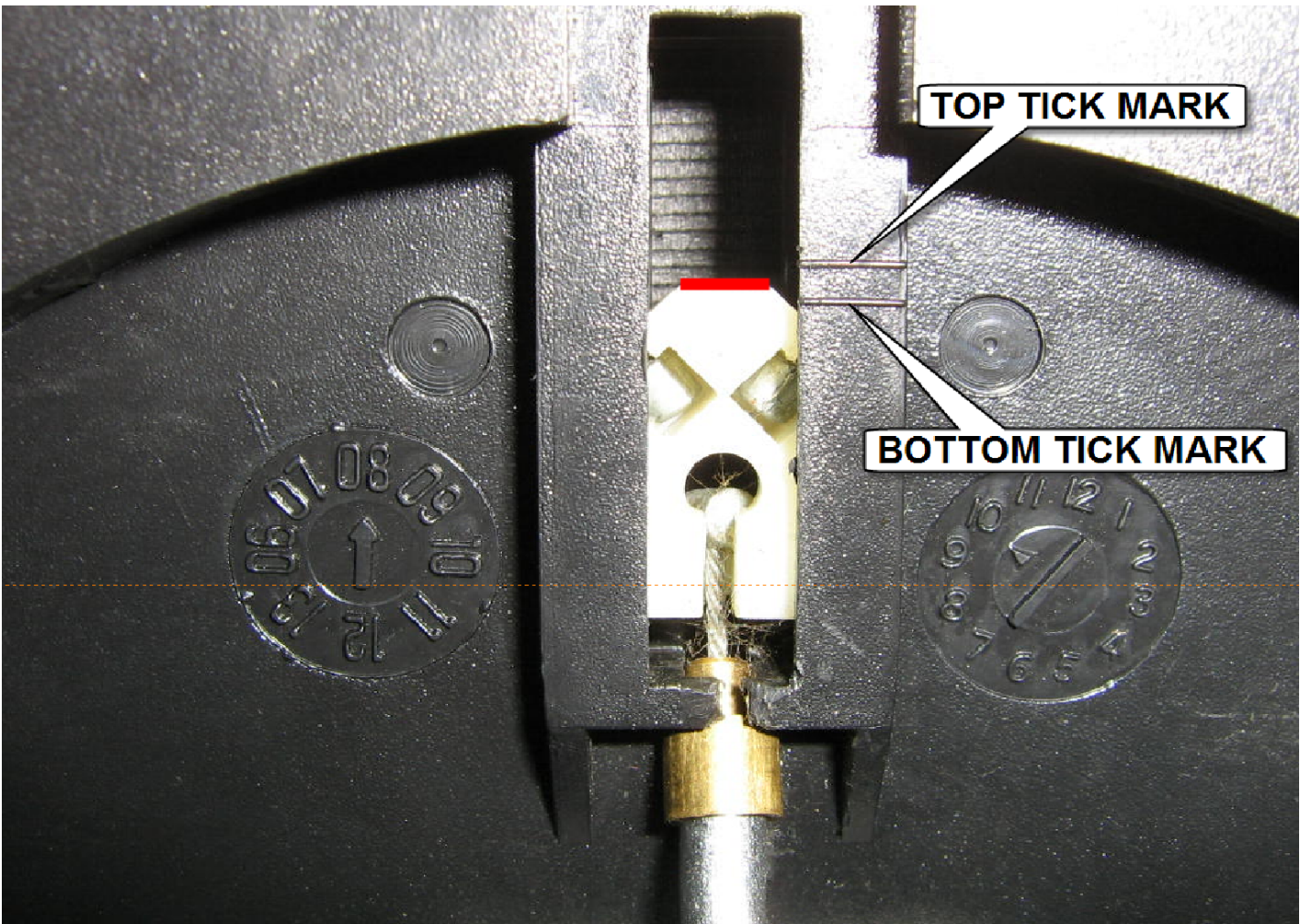
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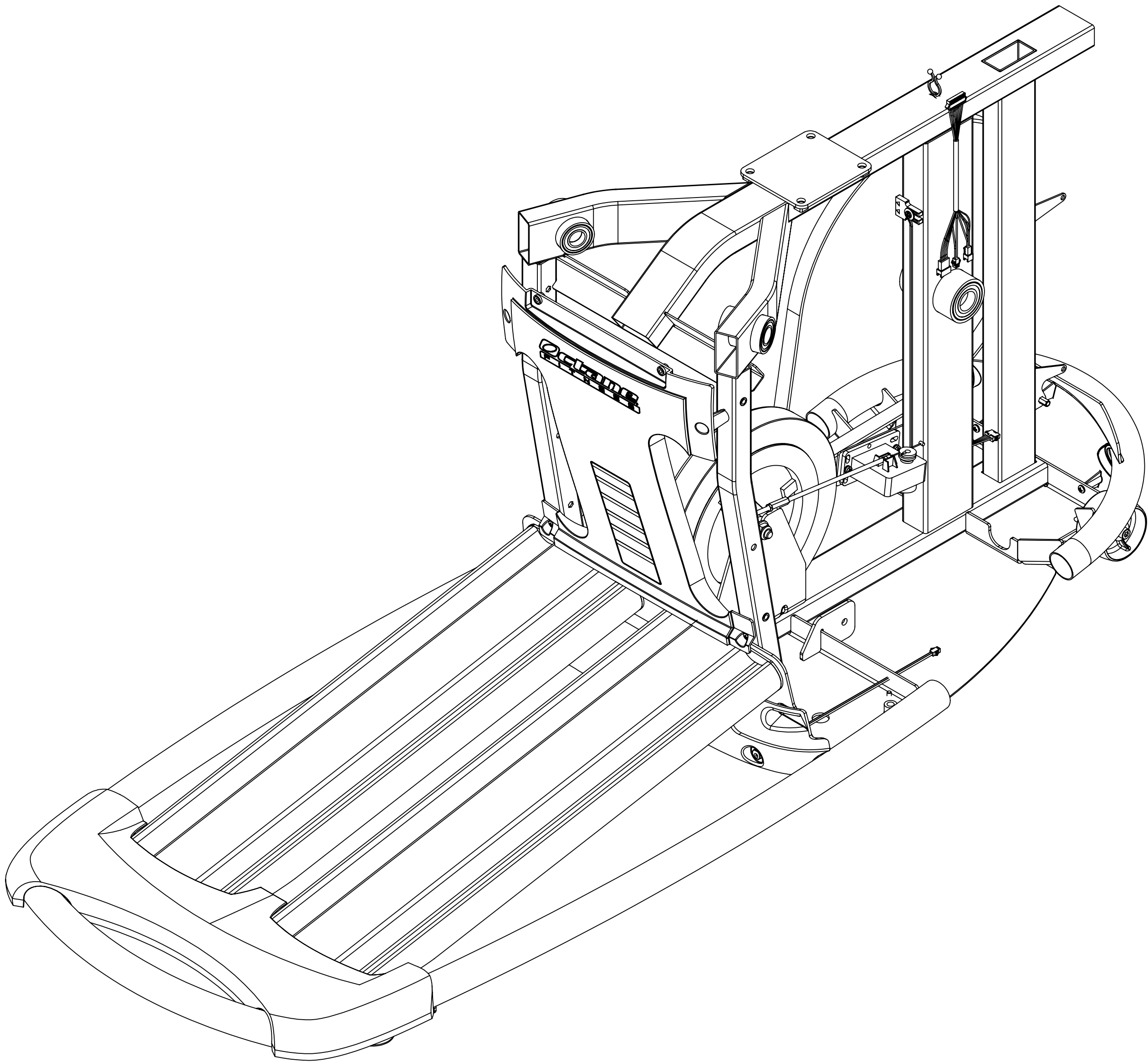
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ITEM NO.	PART NUMBER	DESCRIPTION	Qty.
6	8019178	ROLLER, TRANSPORT, DARK	2
7	103701-001	SHAFT, TRANSPORT ROLLER	2
11	100447-001	SERVO MOTOR, EDDY CURRENT BRAKE	1
12	103991-001	ASSEMBLY, BRAKE CABLE	1
13	100718-001	SENSOR, HALLEFFECT	1
14	103662-001	CABLE ASSEMBLY, MAIN	1
19	103393-001	NUT, HEX, NYLON INSERT, M8 X 1.25, CZ CLASS 10	2
23	102304-001	SCREW, M5 X 0.8 X 12, PAN HEAD, TYPE 1, CROSS RECESSED, BZ, FLAT WASHER	1
27	103726-001	SCREW, M8 X 1.25 X 50 SHCS, GR 12.9, BZ	2
28	102454-001	WASHER, 8 X 24 X 2, STEEL, CZ	2
31	101354-001	SCREW, M5 X 0.8 X 12, PAN HEAD, TYPE 1 CROSS RECESSED, BZ, SPRING WSHR-FLAT WSHR	2
32	102306-001	SCREW, M5 X 0.8 X 18, PAN HEAD, TYPE 1, CROSS RECESSED, BZ, FLAT WASHER	1
33	900031-002	RIVNUT, BRASS, M5 X 0.8	4
34	102892-001	STAND-OFF, CABLE, 14 DIA	1
35	8021746	SHROUD, FRONT, DARK	1
36	100429-001	SCREW, M4.8 X 1.6 X 13 TYPE B, TYPE 1 CROSS RECESS PAN HEAD, ST, BZ	2
37	8021747	SUB ASSY, LOWER REAR SHROUD, DARK	1
38	100602-001	SCREW, M5 X 0.8 X 10, PAN HEAD, TYPE 1 CROSS RECESSED, BZ	2
39	8021749	SUB ASSY, SHROUD, UPPER REAR, DARK	1
40	100787-001	SCREW, M5 X 0.8 X 18, PAN HEAD, TYPE 1 CROSS RECESSED, BZ	4
41	8022102	SHROUD, REAR TRACK COVER, DARK	1



BRAKE ADJUSTMENT
TURN ADJUSTMENT NUT SUCH THAT TOP OF SLIDER IS IN BETWEEN TICK MARKS AS SHOWN IN PICTURE.
LOCK ADJUSTMENT NUT WITH THIN LOCK NUT AFTER ADJUSTMENT



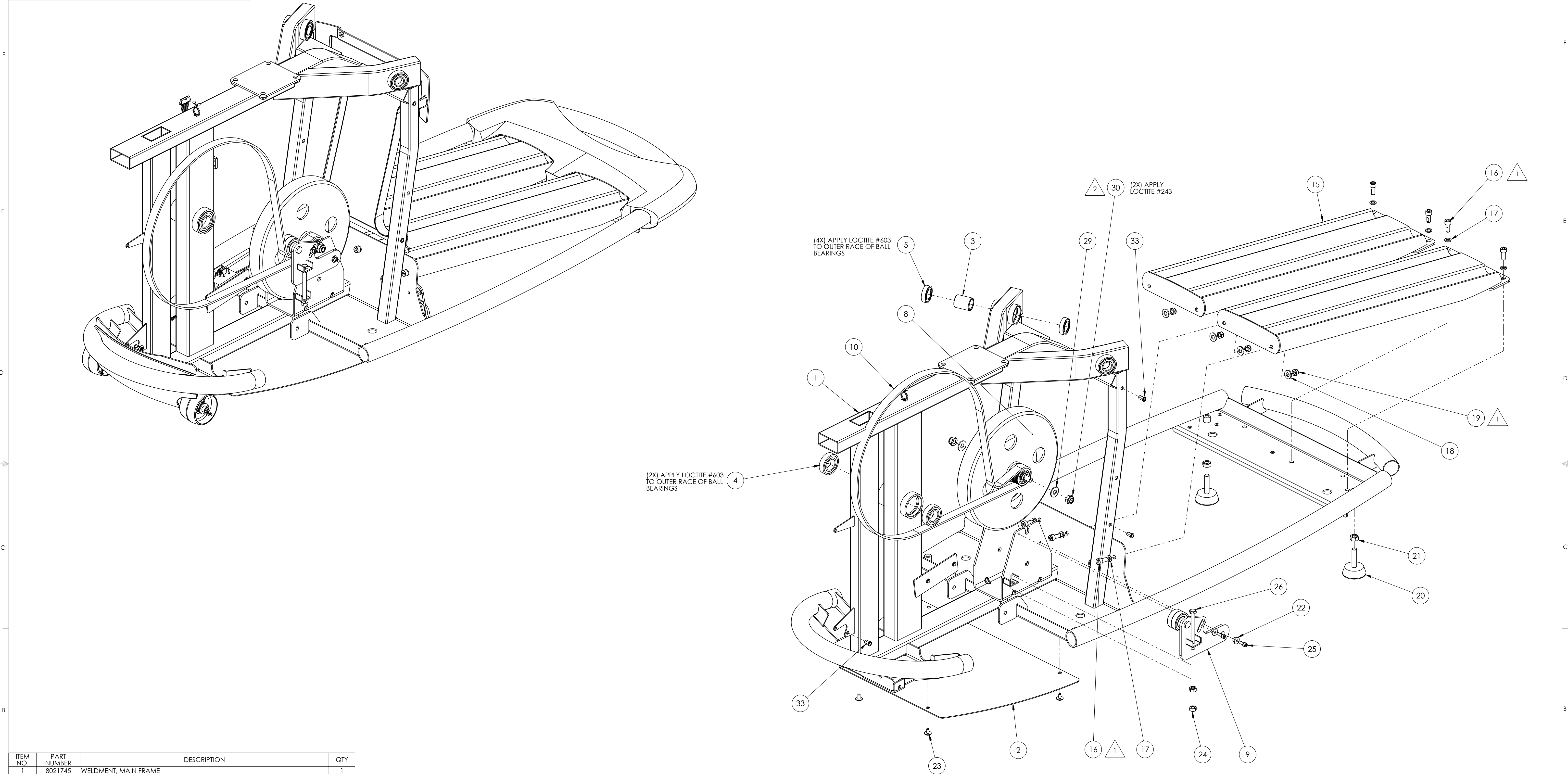
NOTES:

- TORQUE FASTENER TO 23 N-M (17 FT-LB)
- OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLE AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
- SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2011/65/EU, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (ROHS).

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		OCTANE FITNESS <i>Fuel Your Life</i>	
TOLERANCES ARE:		PART DESCRIPTION	
DECIMALS .X ±0.6 .XX ±0.20 .XXX ±0.100		SUB ASSY, PRO310, LOWER FRAME, DARK	
APPROVALS	DATE	SIZE (DWG. NO.)	REV.
DRAWN BY PRS	12/12/2008	B 8021744	A
SCALE 1:4		DO NOT SCALE DRAWING	
SHEET 1 OF 2			

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REV	DESCRIPTION	ECN #	DATE	ENG
-	See Sheet1	-	-	-



ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	8021745	WELDMENT, MAIN FRAME	1
2	103702-001	COVER, PLASTIC BOTTOM	1
3	103719-001	SPACER, ARM PIVOT	2
4	101646-001	BEARING, BALL, 6005, C2	2
5	103687-001	BEARING, BALL, 6904, C2	4
8	104765-001	BRAKE, 274OD, 5 PERM MAGNETS, SS	1
9	100747-001	ASSEMBLY, TENSIONER	1
10	100405-001	BELT, POLY V	1
15	105363-001	WLDMT, CONCAVE PEDAL TRACK	2
16	101295-001	SCREW, M8 X 1.25 X 20.0L SHCS, BLACK ZINC, 12.9 STL	8
17	950052-008	B18.21.2M, WASHER, LOCK, STL, M8	8
18	950042-008	B18.22M, WASHER, PLAIN, STL, M8	4
19	103393-001	NUT, HEX, NYLON INSERT, M8 X 1.25, CZ CLASS 10	4
20	900015-001	LEVELER, 50MM DIAMETER	2
21	950038-009	B18.2.4.1M, HEX NUT, STYLE 1, M10 X 1.5, BLACK ZINC, STL	2
22	100457-001	SPACER, FLANGE TENSIONER	2
23	102304-001	SCREW, M5 X 0.8 X 12, PAN HEAD, TYPE 1, CROSS RECESSED, BZ, FLAT WASHER	5
24	950038-008	B18.2.4.1M, HEX NUT, STYLE 1, M8 X 1.25, BLACK ZINC, STL	2
25	101297-001	SCREW, M5 X 0.8 X 16.0L SHCS, BLACK ZINC, 12.9 STL, SPRING WASHER	2
26	100753-001	SCREW, M8 X 1.25 HCS, 8.8 ST, BZ	1
29	100717-001	10 X 23 X 2, STEEL, CZ	2
30	103395-001	NUT, HEX, NYLON INSERT, M10 X 1.5, CZ CLASS 10	2
33	900031-002	RIVNUT, BRASS, M5 X 0.8	5

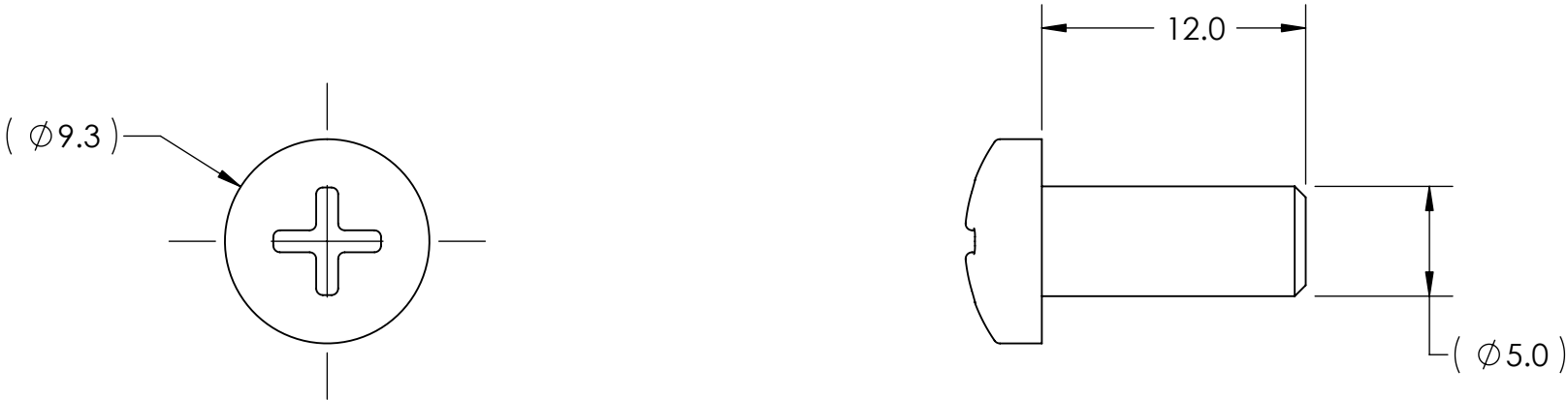
NOTES:

1. TORQUE FASTENER TO 23 N-M (17 FT-LBS)
2. TORQUE FASTENER TO 45 N-M (33 FT-LBS)
- OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLE AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		OCTANE FITNESS <i>Fuel Your Life</i>	
TOLERANCES ARE:		PART DESCRIPTION	
DECIMALS	ANGLES	SUB ASSY, PRO310, LOWER FRAME, DARK	
.X ±0.6	±0.5°		
.XX ±0.20			
.XXX ±0.100			
APPROVALS	DATE	SIZE (DWG. NO.)	REV.
DRAWN BY PRS	12/12/2008	B 8021744	A
SCALE 1:4		DO NOT SCALE DRAWING SHEET 2 OF 2	

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REV	DESCRIPTION	ECO #	DATE	ENG
A	RELEASE FOR PRODUCTION	75	8/23/2005	NRL
B	ADD RoHS NOTE	205	5/31/2006	LJH

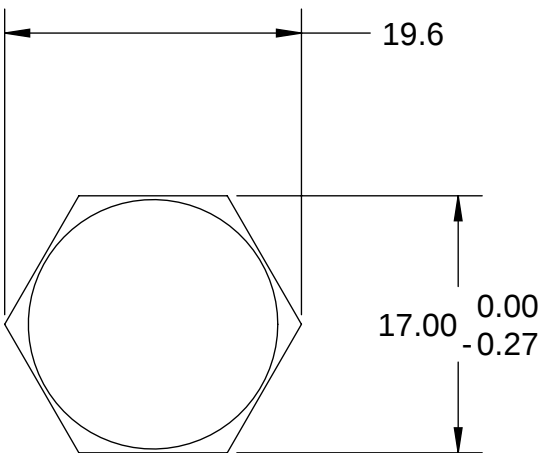
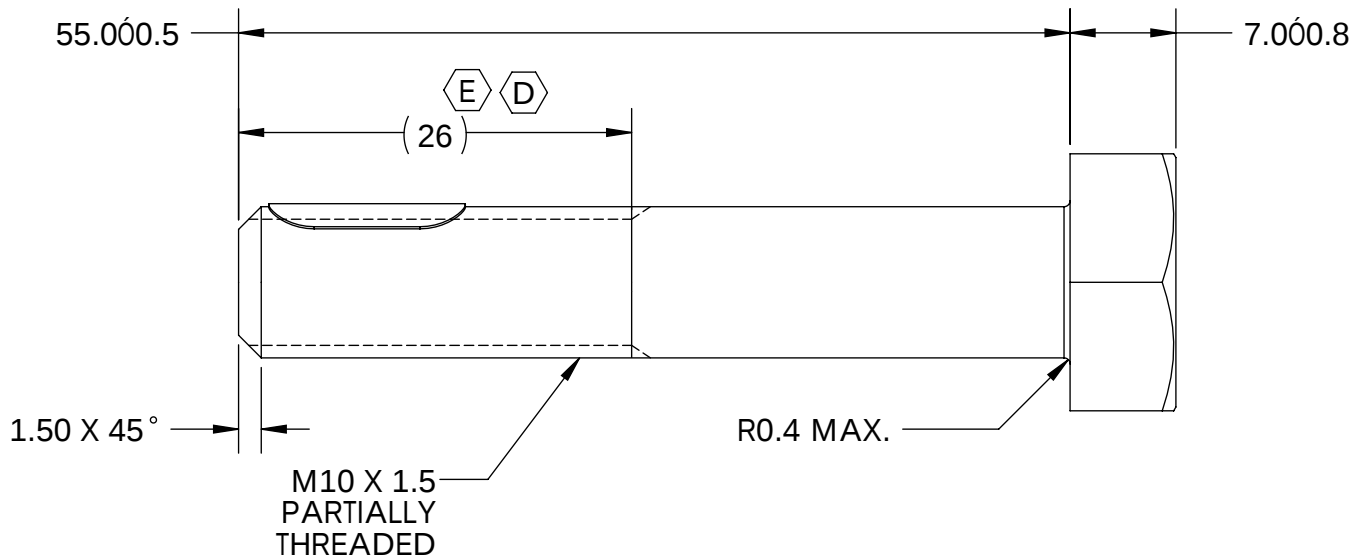
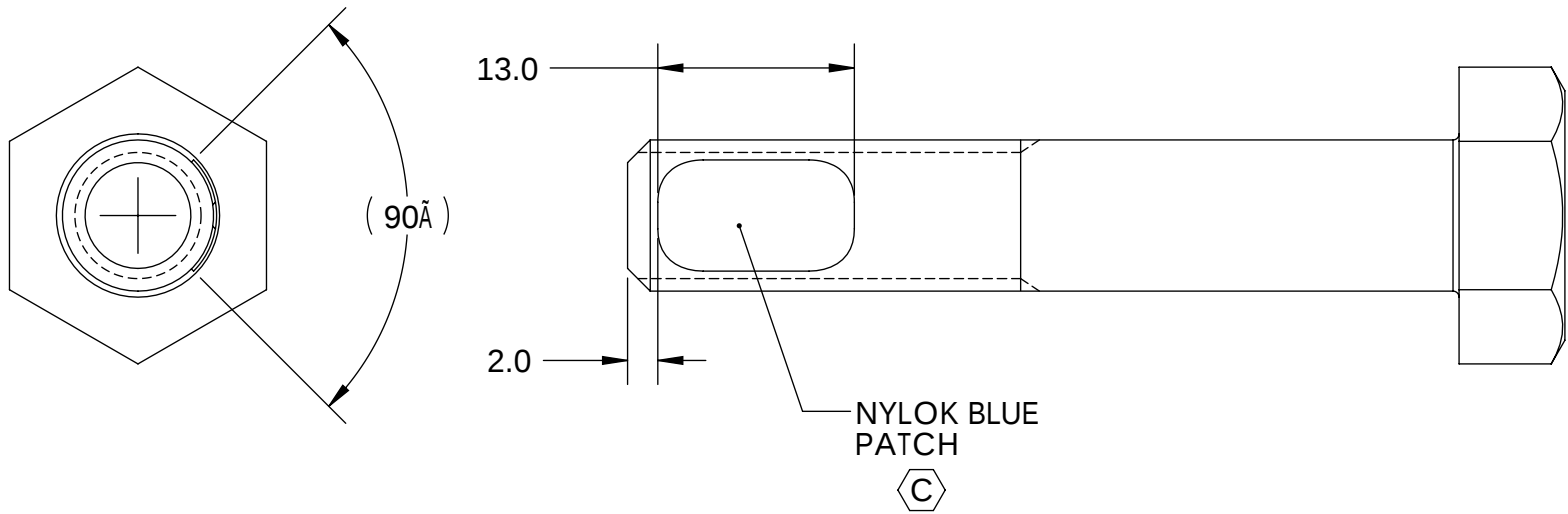


- NOTES:
- 1. MATERIAL: STEEL, CLASS 4.8
 - 2. FINISH: BLACK ZINC
 - 3. DRIVER: #2 PHILLIPS
 - 4. MANUFACTURE IN ACCORDANCE WITH ASME/ANSI B18.6.7M.
 - 5. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLES AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
 - 6. SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2002/95/EC, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: DECIMALS ANGLES .X ±0.6 ±0.5° .XX ±0.2 .XXX ±0.1		CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE		<i>OCTANE FITNESS</i> <i>Fuel Your Life</i>	
		APPROVALS DRAWN NRL	DATE 8/23/2005	PART DESCRIPTION SCREW, M5 X 0.8 X 12, PAN HEAD, TYPE 1 CROSS RECESSED, BZ	
MATERIAL SEE NOTES	CHECKED ----	XX-XX-XX	RESP ENG ----	XX-XX-XX	SIZE B DWG. NO. 100554-001 SCALE 1:0.33333 SHEET 1 OF 1
FINISH SEE NOTES	MFG ENG ----	XX-XX-XX	QUAL ENG ----	XX-XX-XX	
DO NOT SCALE DRAWING					

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REV	DESCRIPTION	ECO #	DATE	ENG
A	RELEASE FOR PRODUCTION	93	11/30/05	BHG
B	ADD RoHS NOTE	205	5/31/06	LJH
C	CHANGED LOCTITE PATCH TO NYLOK	001-00-014903	7/27/2009	NRL
D	ADDED THREAD ANNOTATION AND DIMENSION TO INDICATE PARTIAL THREAD	001-00-015533	9/3/2014	NRL
E	MATERIAL WAS MEDIUM CARBON 8.8. ADDED CORE HARDNESS. ADDED DACROMET FINISH OPTION. DIM 26 WAS 30.	001-00-015689	1/21/2016	NRL



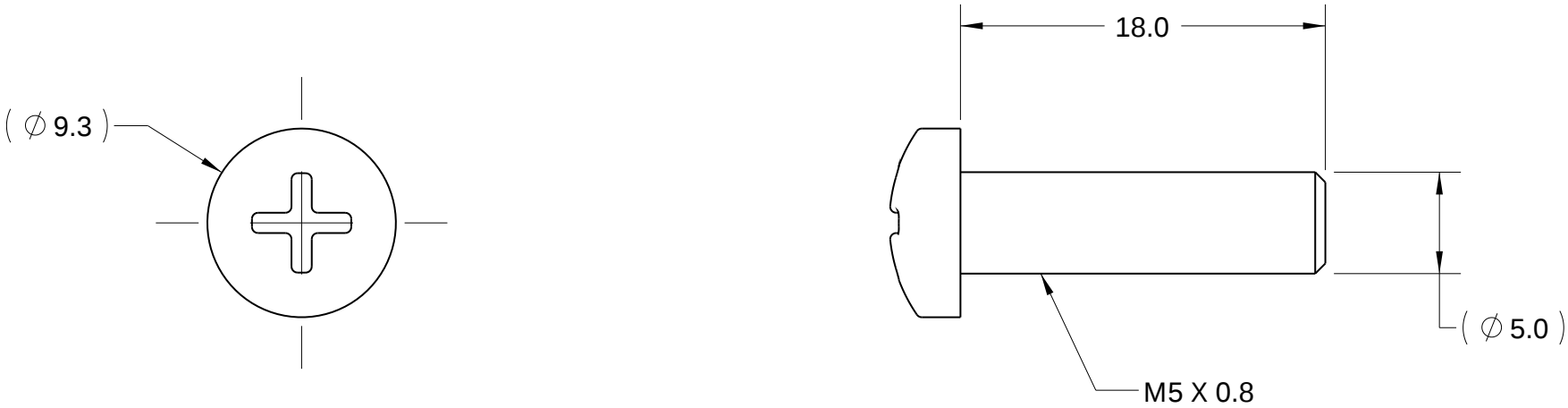
NOTES:

1. MATERIAL: ALLOY STEEL, QUENCHED & TEMPERED, PROPERTY CLASS 12.9 PER ISO 898-1. 
2. BOLT STRENGTH: MINIMUM YIELD STRENGTH = 1100 MPa (159,500 PSI).
MINIMUM ULTIMATE STRENGTH = 1220 MPa (176,900 PSI).
MINIMUM PROOF STRENGTH = 970 MPa (140,700 PSI). 
3. CORE HARDNESS: ROCKWELL C39-C44.
4. FINISH OPTIONS PER OCTANE FITNESS APPROVAL. MAY BE SUPPLIER SPECIFIC.
 1. DACROMET (NON-ELECTROLYTICALLY APPLIED ZINC FLAKE COATING). 
 2. CLEAR ZINC
 1. HEAT TREATMENT AFTER PLATING IS REQUIRED FOR REMOVAL OF HYDROGEN.
5. PART MUST MEET DIN 931.
6. REMOVE ALL BURRS AND SHARP EDGES.
7. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLES AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
8. SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2011/65/EU, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: DECIMALS ANGLES .X ±0.6 ±0.5° .XX ±0.2 .XXX ±0.1	CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE		<i>OCTANE FITNESS</i> <i>Fuel Your Life</i> PART DESCRIPTION BOLT, M10 X 1.5 X 55, HEX HEAD, 12.9 STL, CZ						
	APPROVALS	DATE							
MATERIAL SEE NOTES	DRAWN BHG	9/14/2005	SIZE B			DWG. NO. 100715-001		REV. E	
	CHECKED ---	XX-XX-XX							
	RESP ENG ---	XX-XX-XX							
FINISH SEE NOTES	MFG ENG ---	XX-XX-XX							
DO NOT SCALE DRAWING	QUAL ENG ---	XX-XX-XX							
			SCALE 2:1		CAD FILE:		SHEET 1 OF 1		

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3		2		1	
REV	DESCRIPTION	ECO #	DATE	ENG	
1	RELEASE FOR QUOTE		12/9/05	NRL	
A	PRODUCTION RELEASE	121	3/17/2006	NRL	

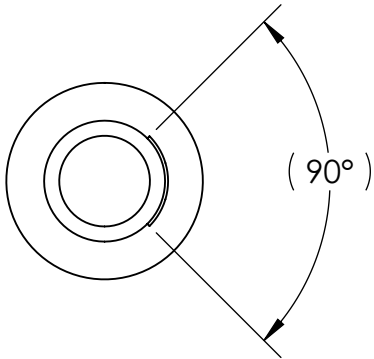


- NOTES:
1. MATERIAL: STEEL, CLASS 4.8
 2. FINISH: BLACK ZINC
 3. DRIVER: #2 PHILLIPS
 4. MANUFACTURE IN ACCORDANCE WITH ASME/ANSI B18.6.7M.
 5. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLES AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.

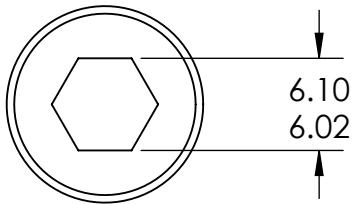
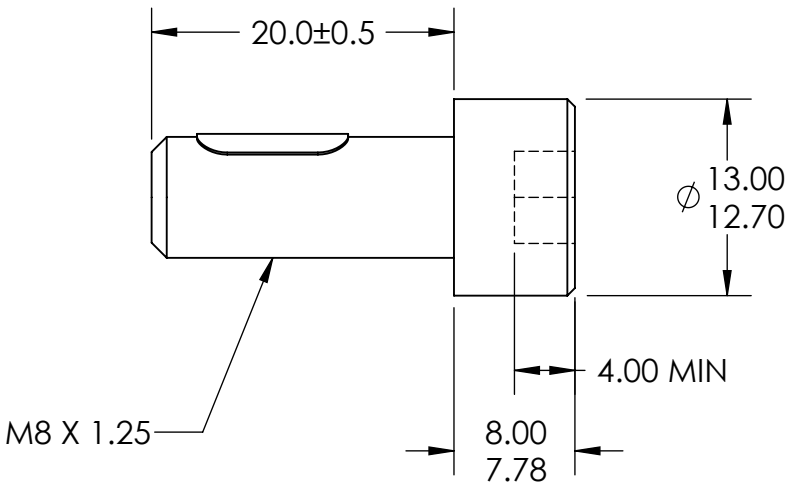
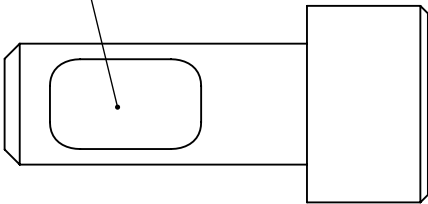
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: DECIMALS ANGLES .X ±0.5 ±0.5° .XX ±0.2 .XXX ±0.1		CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE		<i>OCTANE FITNESS</i> <i>Fuel Your Life</i>		
		APPROVALS	DATE	PART DESCRIPTION		
MATERIAL SEE NOTES		DRAWN NRL	8/23/2005	SCREW, M5 X 0.8 X 18, PAN HEAD, TYPE 1 CROSS RECESSED, BZ		
		CHECKED ---	XX-XX-XX			
FINISH SEE NOTES		RESP ENG ---	XX-XX-XX			
		MFG ENG ---	XX-XX-XX			
		QUAL ENG ---	XX-XX-XX			
DO NOT SCALE DRAWING				SIZE B	DWG. NO. 100787-001	REV. A
				SCALE 1:0.39839		SHEET 1 OF 1

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REV	DESCRIPTION	ECO #	DATE	ENG
A	PRODUCTION RELEASE	192	5/2/2006	NRL
B	ADD RoHS NOTE	205	5/30/2006	LJH



NYLOCK PATCH

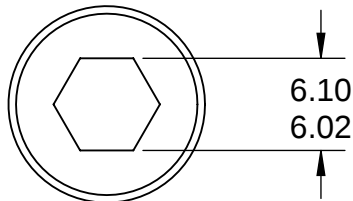
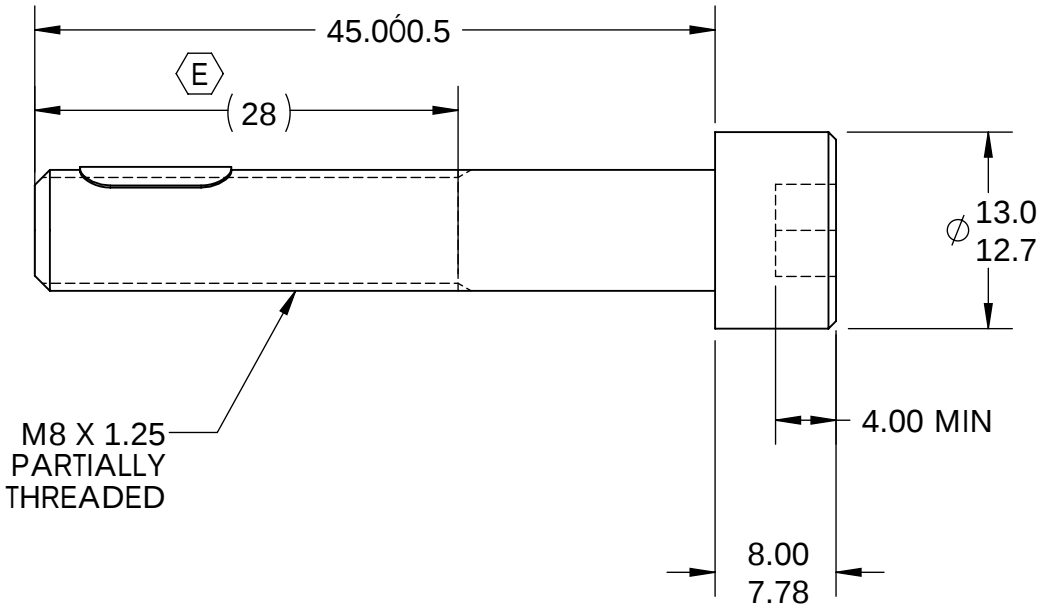
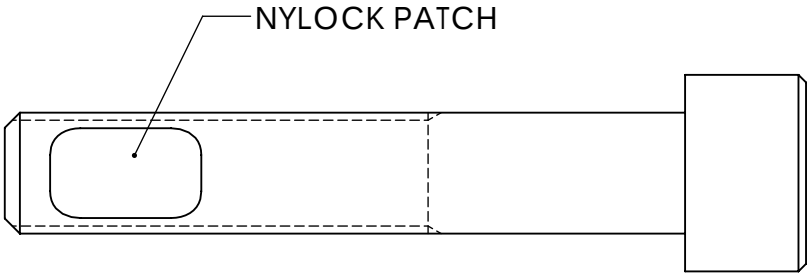
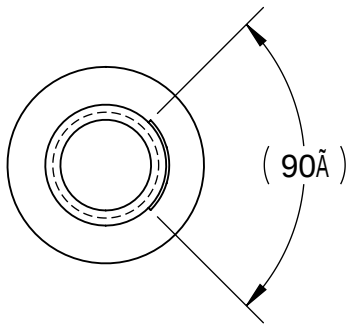


- NOTES:
1. MATERIAL: ALLOY STEEL, QUENCHED & TEMPERED, GRADE 12.9 PER DIN 912.
 2. FINISH: BLACK ZINC.
 3. BOLT STRENGTH: MINIMUM YIELD STRENGTH = 153,000 PSI.
MINIMUM ULTIMATE STRENGTH = 170,000 PSI.
 4. REMOVE ALL BURRS AND SHARP EDGES.
 5. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLES AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
 6. SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2002/95/EC, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUSTANCES (RoHS).

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: DECIMALS ANGLES X ±0.6 ±0.5° XX ±0.2 XXX ±0.1		CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE		<i>OCTANE FITNESS</i> <i>Fuel Your Life</i>		
		APPROVALS	DATE			
MATERIAL	SEE NOTES	DRAWN NRL	5/2/2006	PART DESCRIPTION SCREW, M8 X 1.25 X 20.0L SHCS, BLACK ZINC, 12.9 STL		
	CHECKED ----	XX-XX-XX				
	RESP ENG ----	XX-XX-XX				
FINISH	SEE NOTES	MFG ENG ----	XX-XX-XX	SIZE B	DWG. NO. 101295-001	REV. B
	QUAL ENG ----	XX-XX-XX				
	DO NOT SCALE DRAWING		SCALE 2:1 CAD FILE: SHEET 1 OF 1			

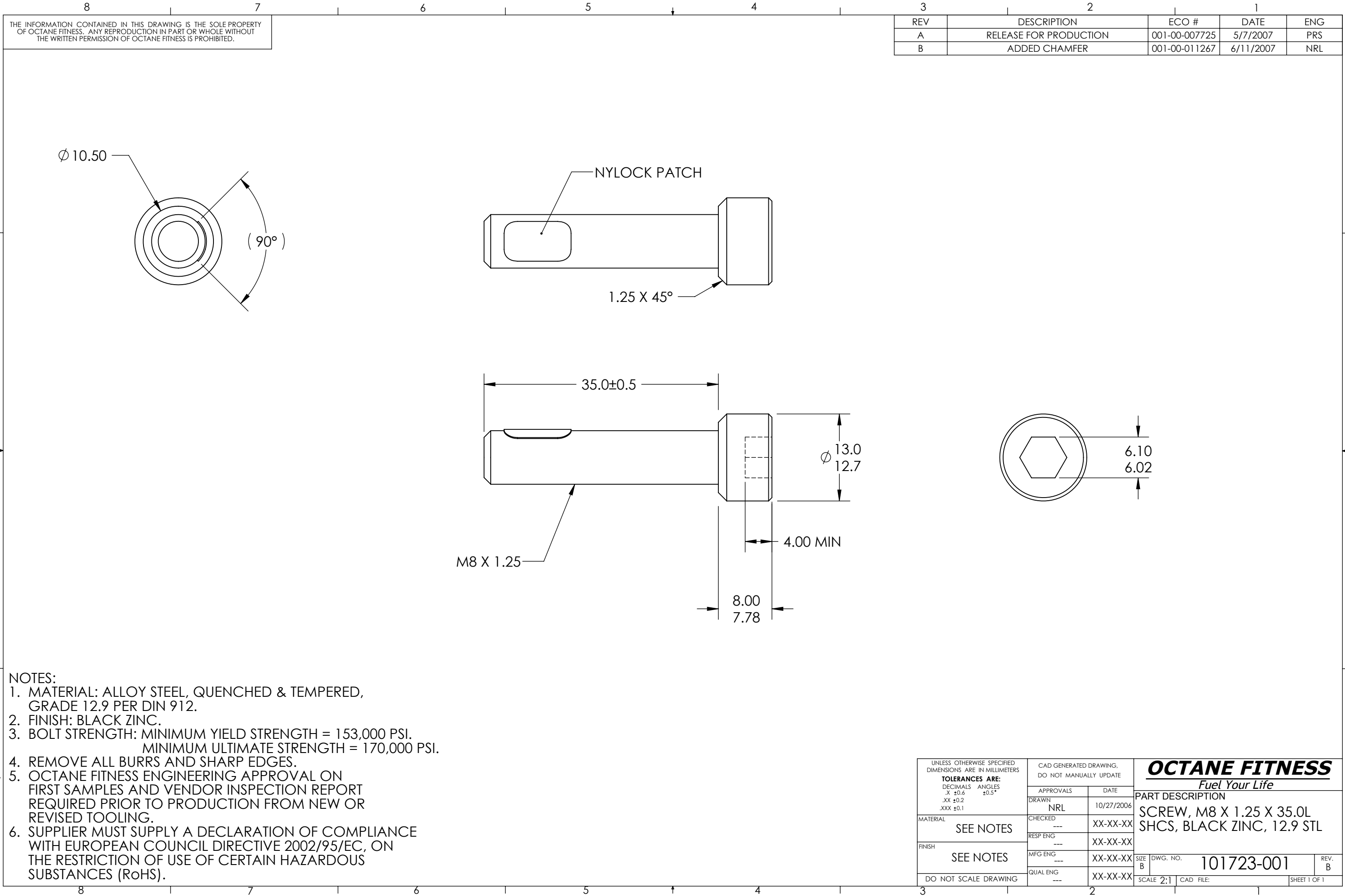
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF OCTANE FITNESS. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF OCTANE FITNESS IS PROHIBITED.

REV	DESCRIPTION	ECO #	DATE	ENG
A	PRODUCTION RELEASE	192	5/2/2006	NRL
B	ADD RoHS NOTE	205	5/30/2006	LJH
C	ADDED PAH NOTE	001-00-014772	7/8/2008	NRL
D	REMOVE PAH NOTE	001-00-014795	8/25/2008	NRL
E	ADDED CORE HARDNESS. ADDED DACROMET FINISH OPTION. SHOW PARTIAL THREAD	001-00-015689	2/1/2016	NRL



- NOTES:
- MATERIAL: ALLOY STEEL, QUENCHED & TEMPERED, PROPERTY CLASS 12.9 PER ISO 898-1. E
 - BOLT STRENGTH: MINIMUM YIELD STRENGTH = 1100 MPa (159,500 PSI).
MINIMUM ULTIMATE STRENGTH = 1220 MPa (176,900 PSI).
MINIMUM PROOF STRENGTH = 970 MPa (140,700 PSI). E
 - CORE HARDNESS: ROCKWELL C39-C44. E
 - FINISH OPTIONS PER OCTANE FITNESS APPROVAL. MAY BE SUPPLIER SPECIFIC.
 - DACROMET (NON-ELECTROLYTICALLY APPLIED ZINC FLAKE COATING). E
 - BLACK ZINC
 - HEAT TREATMENT AFTER PLATING IS REQUIRED FOR REMOVAL OF HYDROGEN.
 - PART MUST MEET DIN 912.
 - REMOVE ALL BURRS AND SHARP EDGES.
 - OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLES AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
 - SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2011/65/EU, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: DECIMALS ANGLES .X ±0.5 .X ±0.5° .XX ±0.2 .XX ±0.5° .XXX ±0.1 .XXX ±0.5°		CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE		<i>OCTANE FITNESS</i> <i>Fuel Your Life</i>	
		APPROVALS	DATE		
DRAWN NRL		CHECKED ---	5/2/2006	PART DESCRIPTION SCREW, M8 X 1.25 X 45.0L SHCS, BLACK ZINC, 12.9 STL	
MATERIAL SEE NOTES		RESP ENG ---	XX-XX-XX		
FINISH SEE NOTES		MFG ENG ---	XX-XX-XX	SIZE B	DWG. NO. 101296-001
DO NOT SCALE DRAWING		QUAL ENG ---	XX-XX-XX	SCALE 2:1	CAD FILE: SHEET 1 OF 1



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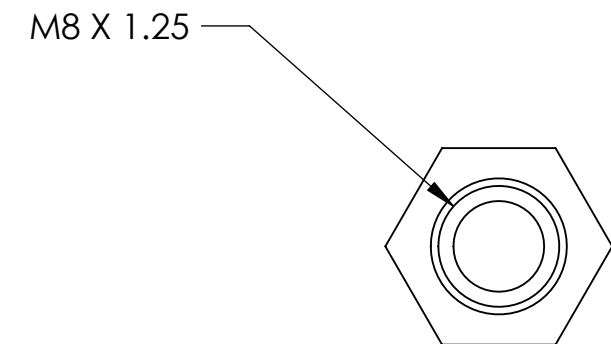
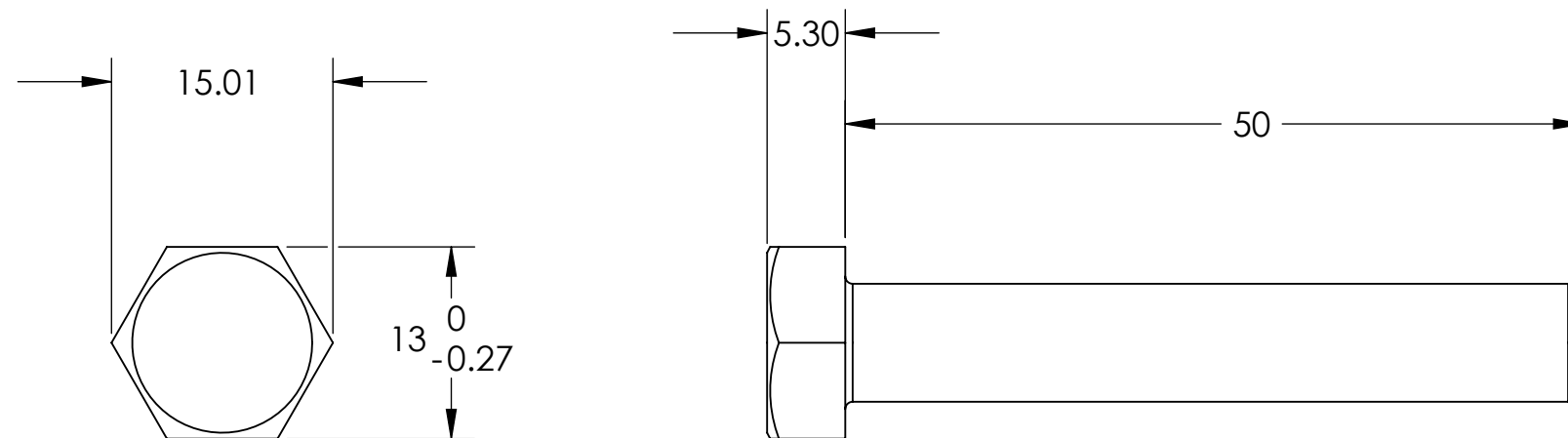
REV	DESCRIPTION	ECO #	DATE	ENG
A	RELEASE FOR PRODUCTION	001-00-007725	5/7/2007	PRS
B	ADDED CHAMFER	001-00-011267	6/11/2007	NRL

- NOTES:
1. MATERIAL: ALLOY STEEL, QUENCHED & TEMPERED, GRADE 12.9 PER DIN 912.
 2. FINISH: BLACK ZINC.
 3. BOLT STRENGTH: MINIMUM YIELD STRENGTH = 153,000 PSI.
MINIMUM ULTIMATE STRENGTH = 170,000 PSI.
 4. REMOVE ALL BURRS AND SHARP EDGES.
 5. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLES AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
 6. SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2002/95/EC, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: DECIMALS ANGLES .X ±0.6 ° ±0.5* .XX ±0.2 .XXX ±0.1		CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE		<i>OCTANE FITNESS</i> <i>Fuel Your Life</i>	
		APPROVALS	DATE		
MATERIAL	SEE NOTES	DRAWN NRL	10/27/2006	PART DESCRIPTION SCREW, M8 X 1.25 X 35.0L SHCS, BLACK ZINC, 12.9 STL	
		CHECKED ----	XX-XX-XX		
		RESP ENG ----	XX-XX-XX		
FINISH	SEE NOTES	MFG ENG ----	XX-XX-XX	SIZE B DWG. NO. 101723-001 REV. B	
		QUAL ENG ----	XX-XX-XX		
		DO NOT SCALE DRAWING		SCALE 2:1	

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THE WRITTEN PERMISSION OF OCTANE FITNESS IS PROHIBITED.

3	2	1
REV	DESCRIPTION	ECO #
1	RELEASE FOR QUOTE	11/8/2006
A	RELEASE FOR PRODUCTION	001-00-010475



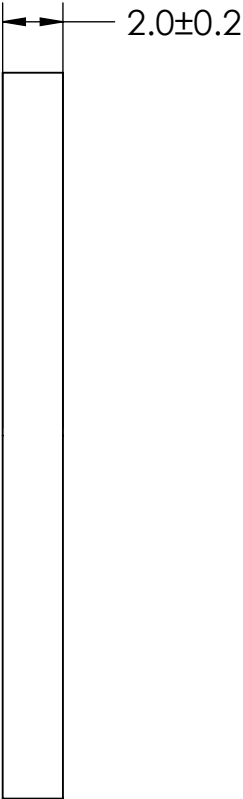
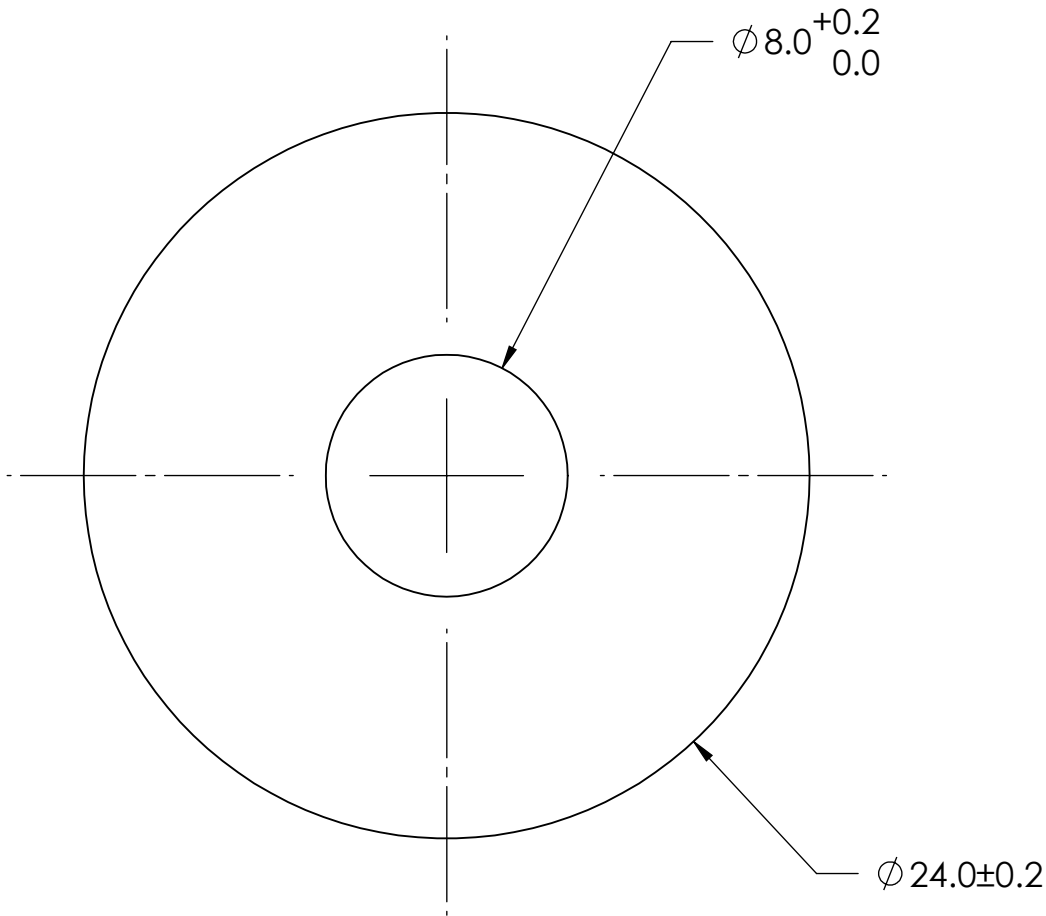
NOTES:

1. MATERIAL: MEDIUM CARBON STEEL, QUENCHED & TEMPERED, GRADE 5 (METRIC 8.8), PER SAE J429 OR ASTM A449. (REF. JIS G4105, SCM435(SCM3)).
2. FINISH: CLEAR ZINC.
3. BOLT STRENGTH: MINIMUM YIELD STRENGTH = 92,000 PSI.
MINIMUM ULTIMATE STRENGTH = 120,000 PSI.
4. REMOVE ALL BURRS AND SHARP EDGES.
5. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLES AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
6. SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2002/95/EC, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE		<i>OCTANE FITNESS</i> <i>Fuel Your Life</i>	
TOLERANCES ARE: DECIMALS ANGLES .X ±0.6 ±0.5° .XX ±0.2 .XXX ±0.1		APPROVALS	DATE	PART DESCRIPTION	
MATERIAL SEE NOTES		DRAWN	10/18/2006	SCREW, M8 X 1.25 X 50 HHCS, 8.8 ST, CZ	
		CHECKED ---	XX-XX-XX		
		RESP ENG ---	XX-XX-XX		
		MFG ENG ---	XX-XX-XX		
FINISH SEE NOTES		QUAL ENG ---	XX-XX-XX	SIZE B	DWG. NO. 101889-001
DO NOT SCALE DRAWING				SCALE 2:1	CAD FILE: SHEET 1 OF 1

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF OCTANE FITNESS. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF OCTANE FITNESS IS PROHIBITED.

REV	DESCRIPTION	ECO #	DATE	ENG
1	RELEASE FOR QUOTE		7/27/2007	PRS
A	PRODUCTION RELEASE	001-00-014702	1/15/2008	NRL

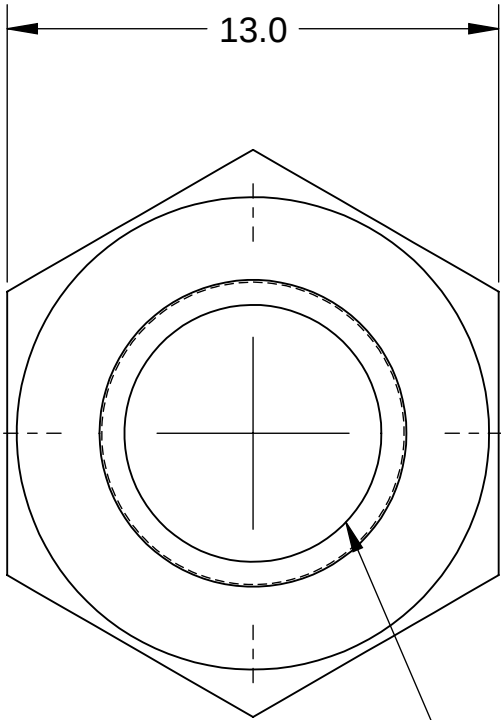


- NOTES:
1. MATERIAL: LOW CARBON STEEL PLATE, PER ASTM A283, (REF. JIS G3101, SS400(SS41)).
 2. FINISH: CLEAR ZINC.
 3. REMOVE ALL BURRS AND SHARP EDGES.
 4. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLES AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
 5. SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2002/95/EC, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).

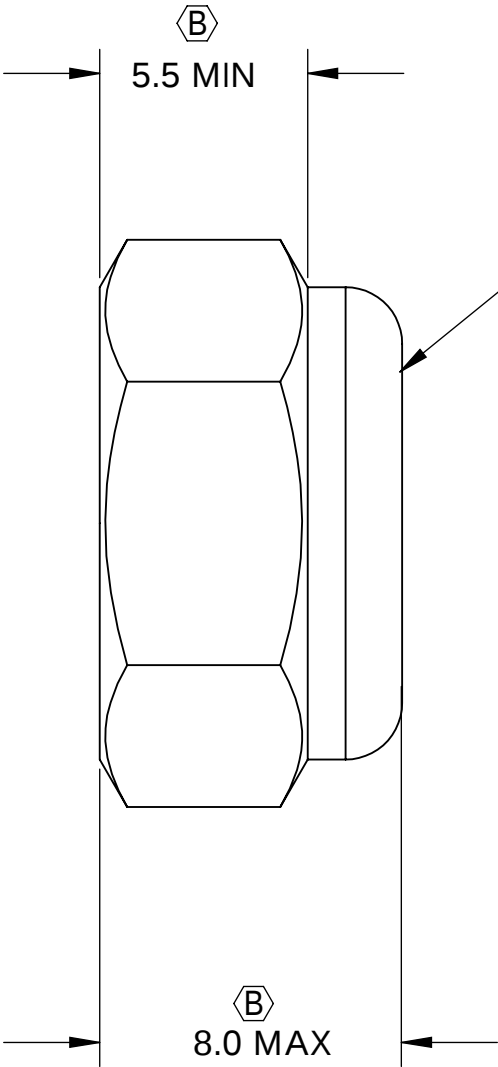
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: DECIMALS ANGLES .X ±0.6 ±0.5° .XX ±0.2 .XXX ±0.1		CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE		<i>OCTANE FITNESS</i> <i>Fuel Your Life</i>	
		APPROVALS	DATE		
MATERIAL SEE NOTES	CHECKED ----	DRAWN	7/27/2007	PART DESCRIPTION WASHER, 8 X 24 X 2, STEEL, CZ	
		RESP ENG	XX-XX-XX		
		MFG ENG	XX-XX-XX		
FINISH SEE NOTES	QUAL ENG	XX-XX-XX	SIZE B	DWG. NO. 102454-001	REV. A
DO NOT SCALE DRAWING		SCALE 4:1		CAD FILE:	SHEET 1 OF 1

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF OCTANE FITNESS. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF OCTANE FITNESS IS PROHIBITED.

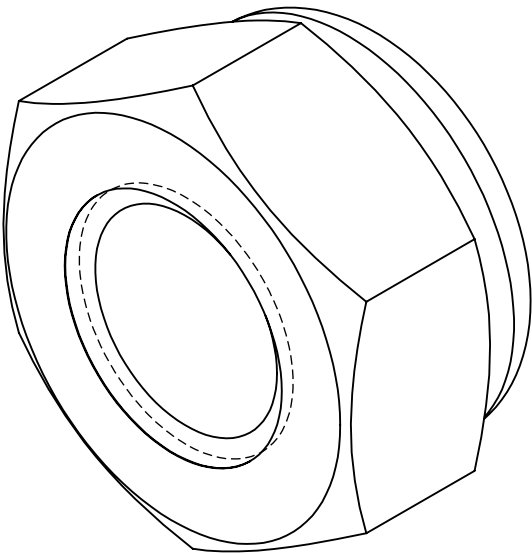
REV	DESCRIPTION	ECO #	DATE	ENG
A	PRODUCTION RELEASE	001-00-014786	08/05/08	JCW
B	CHANGED HEIGHT DIMENSIONS TO MATCH DIN 985	001-00-015013	7/21/2010	DCB



M8 x 1.25



NYLON INSERT

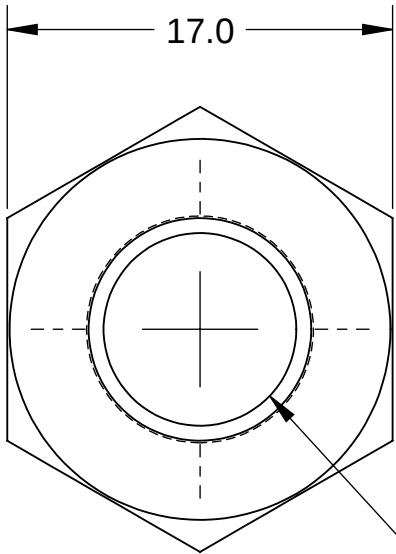


- NOTES:
1. MATERIAL: STEEL, CLASS 10, PER DIN 985.
 2. FINISH: CLEAR ZINC
 3. REMOVE ALL BURRS AND SHARP EDGES.
 4. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLES AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
 5. CAD GENERATED MODEL. ANY DIMENSIONS NOT ON THIS PRINT SHOULD BE EXTRACTED FROM THE CAD MODEL. CAD MODEL IS DRIVING DOCUMENT.
 6. SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2002/95/EC, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).

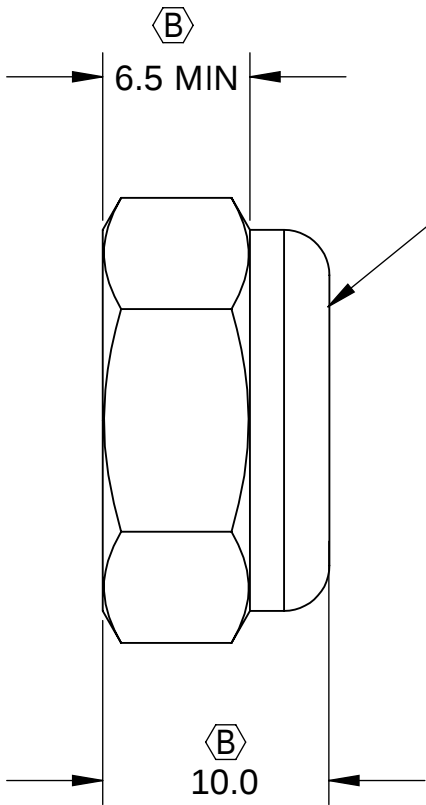
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: DECIMALS ANGLES .X ±0.6 ±0.5° .XX ±0.2 .XXX ±0.1		CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE		OCTANE FITNESS <i>Fuel Your Life</i>	
		APPROVALS	DATE		
MATERIAL SEE NOTES	DRAWN	CHECKED ---	6/3/2008	PART DESCRIPTION NUT, HEX, NYLON INSERT, M8 X 1.25, CZ CLASS 10	
		RESP ENG ---	XX-XX-XX		
		MFNG ENG ---	XX-XX-XX		
FINISH SEE NOTES	QUAL ENG ---	XX-XX-XX	XX-XX-XX	SIZE B	DWG. NO. 103393-001
DO NOT SCALE DRAWING		SCALE 5:1		CAD FILE:	REV. B SHEET 1 OF 1

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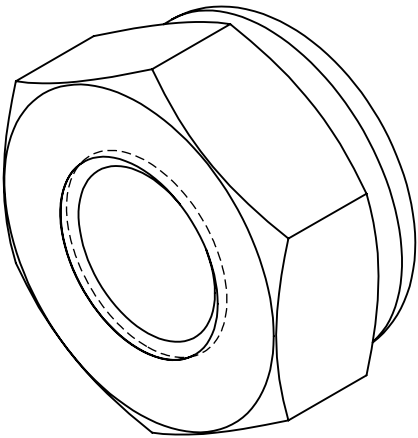
REV	DESCRIPTION	ECO #	DATE	ENG
A	PRODUCTION RELEASE	001-00-014810	9/29/2008	NRL
B	CHANGED HEIGHT DIMENSIONS TO MATCH DIN 985	001-00-015013	7/21/2010	DCB



M10 x 1.5



NYLON INSERT



NOTES:

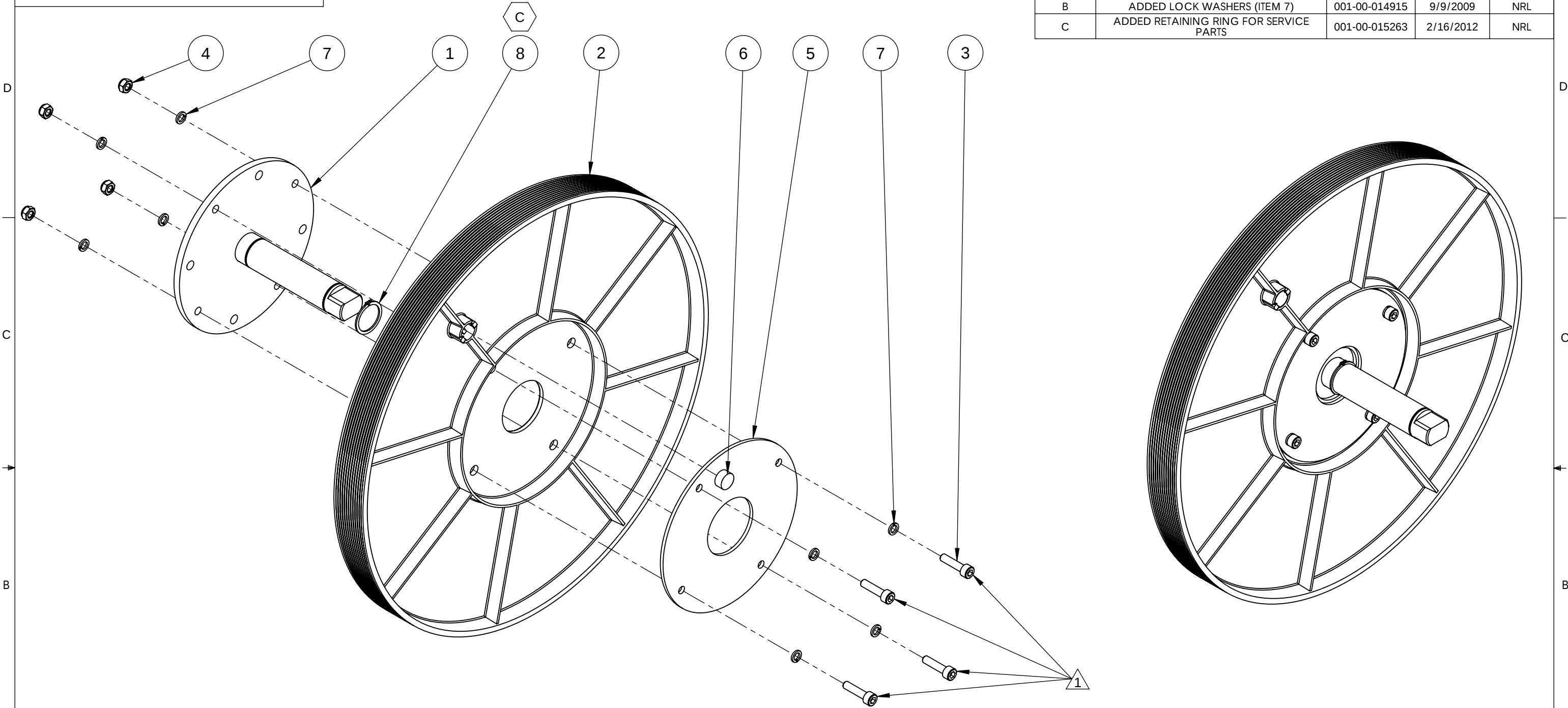
1. MATERIAL: STEEL, CLASS 10, PER DIN 985.
2. FINISH: CLEAR ZINC
3. REMOVE ALL BURRS AND SHARP EDGES.
4. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLES AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
5. CAD GENERATED MODEL. ANY DIMENSIONS NOT ON THIS PRINT SHOULD BE EXTRACTED FROM THE CAD MODEL. CAD MODEL IS DRIVING DOCUMENT.
6. SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2002/95/EC, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		OCTANE FITNESS <i>Fuel Your Life</i>		
TOLERANCES ARE: DECIMALS ANGLES .X ±0.6 ±0.5° .XX ±0.20 .XXX ±0.100		PART DESCRIPTION NUT, HEX, NYLON INSERT, M10 X 1.5, CZ CLASS 10		
APPROVALS	DATE	SIZE B	DWG. NO. 103395-001	REV. B
DRAWN BY NRL	9/24/2008	SCALE 3:1	DO NOT SCALE DRAWING	SHEET 1 OF 1

8 7 6 5 4 3 2 1

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REV	DESCRIPTION	ECN #	DATE	ENG
A	PRODUCTION RELEASE	001-00-014894	6/30/2009	NRL
B	ADDED LOCK WASHERS (ITEM 7)	001-00-014915	9/9/2009	NRL
C	ADDED RETAINING RING FOR SERVICE PARTS	001-00-015263	2/16/2012	NRL



ITEM NO.	PART NUMBER	DESCRIPTION	Qty.
1	103611-001	WELDMENT, CRANK SHAFT	1
2	103638-001	PULLEY, POLY V	1
3	950006-010	B18.3.1M, M6 X 1.0 X 25.0L SHCS, BLACK ZINC, STL	4
4	950046-007	NUT, HEX, NYLON INSERT, STL, M6	4
5	100463-001	PLATE, PULLEY WASHER	1
6	100464-001	MAGNET, RPM PULLEY	1
7	950052-007	B18.21.2M, WASHER, LOCK, STL, M6	8
8	900009-001	RING, RETAINING, 25MM	1

NOTES:

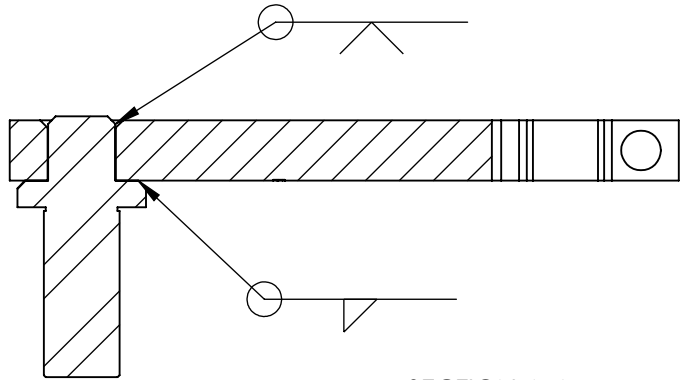
1. TORQUE FASTENER TO 10 N-M (7.4 FT-LBS)
2. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLE AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
3. SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2002/95/EC, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		OCTANE FITNESS <i>Fuel Your Life</i>	
TOLERANCES ARE: DECIMALS ANGLES .X ±0.6 ±0.5° .XX ±0.20 .XXX ±0.100		PART DESCRIPTION ASSEMBLY, PULLEY	
APPROVALS DRAWN BY PRS	DATE 11/19/2008	SIZE B DWG. NO. 103610-001	REV. C
SCALE 1:3		DO NOT SCALE DRAWING SHEET 1 OF 1	

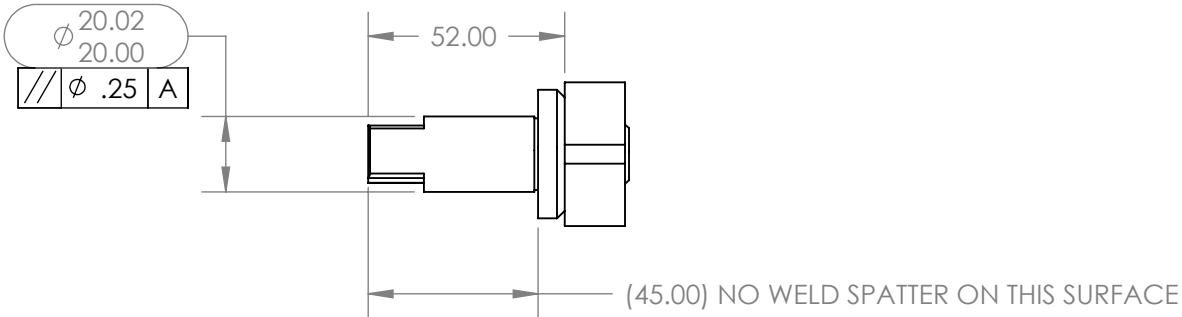
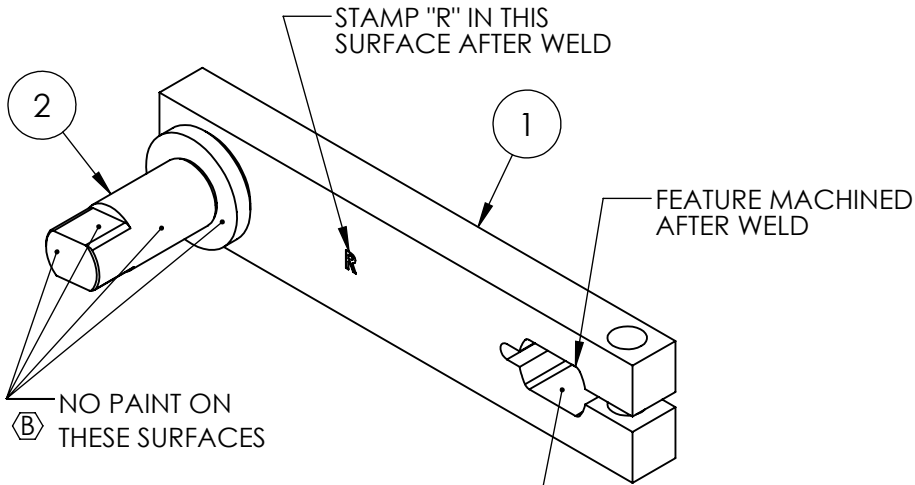
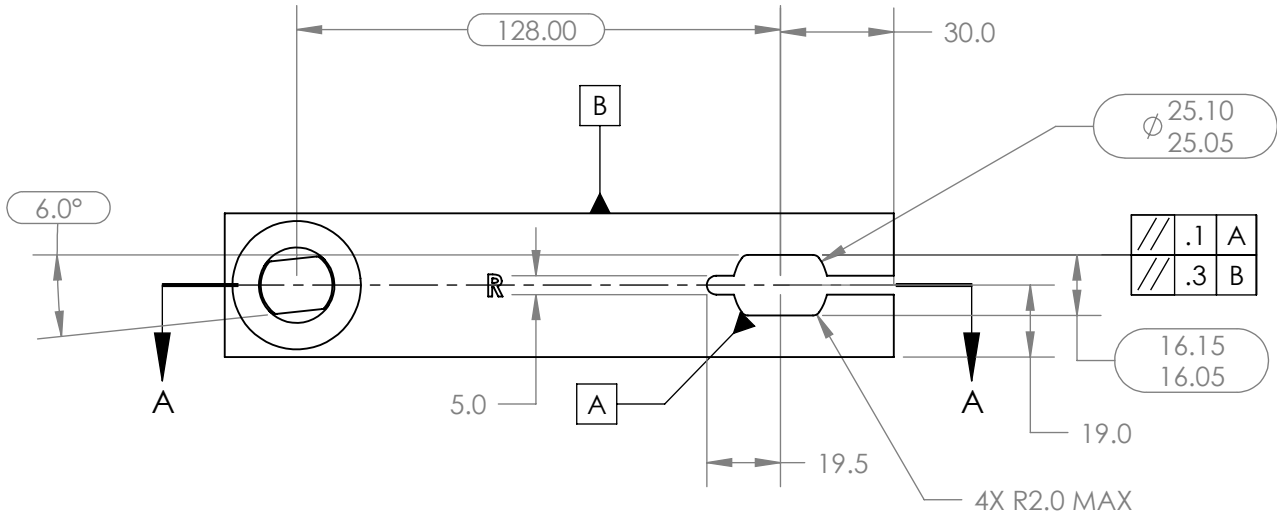
8 7 6 5 4 3 2 1

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REV	DESCRIPTION	ECN #	DATE	ENG
1	RELEASE FOR PROTOTYPE		12/2/2008	PRS
A	PRODUCTION RELEASE	001-00-014894	6/30/2009	NRL
B	NOTE 2: ADDED POWDER COAT OPTION ADDED MASKING NOTES ADDED APPLY OIL NOTES	ECO-002902	8/8/2018	MRN



SECTION A-A



- NOTES:
1. PARALLELISM MAY BE MEASURED USING MASTER PART, SEE SHEET 2.
 2. FINISH: OIL BATH OR BLACK POWDER COAT WITH SPECIFIED MASKING AFTER WELD.
 3. ALL WELDS ARE 3MM WELDS UNLESS OTHERWISE SPECIFIED.
 4. REMOVE ALL WELD FLASH AND SPATTER.
 5. REMOVE ALL BURRS AND SHARP EDGES.
 6. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLE AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
 7. SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2002/95/EC, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).

ITEM NO.	PART NUMBER	DESCRIPTION	Qty.
1	103614-001	ARM, WELDED CRANK	1
2	103615-001	SHAFT, WELDED CRANK ARM	1

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN
MILLIMETERS

TOLERANCES ARE:

DECIMALS

ANGLES

.X ±0.6

±0.5°

.XX ±0.20

.XXX ±0.100

APPROVALS

DATE

DRAWN BY

PRS

11/5/2008

SIZE

B

DWG. NO.

103613-001

REV.

B

SCALE 1:2

DO NOT SCALE DRAWING

SHEET 1 OF 2

OCTANE FITNESS

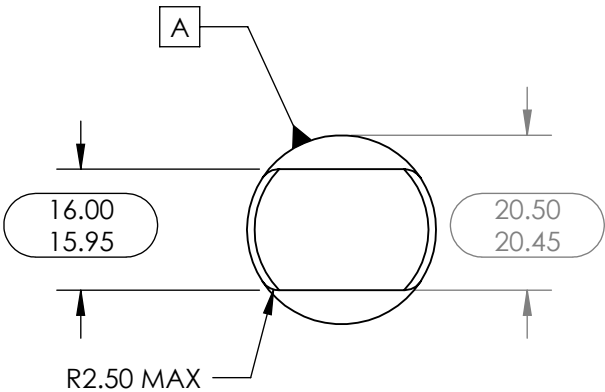
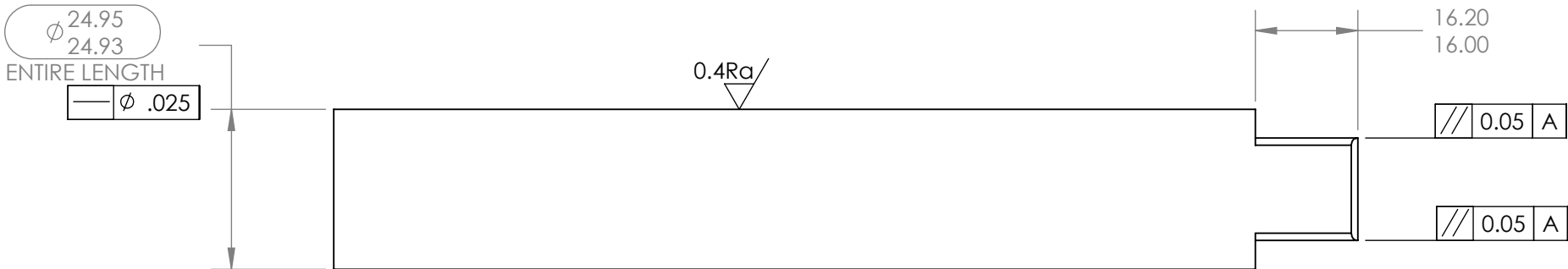
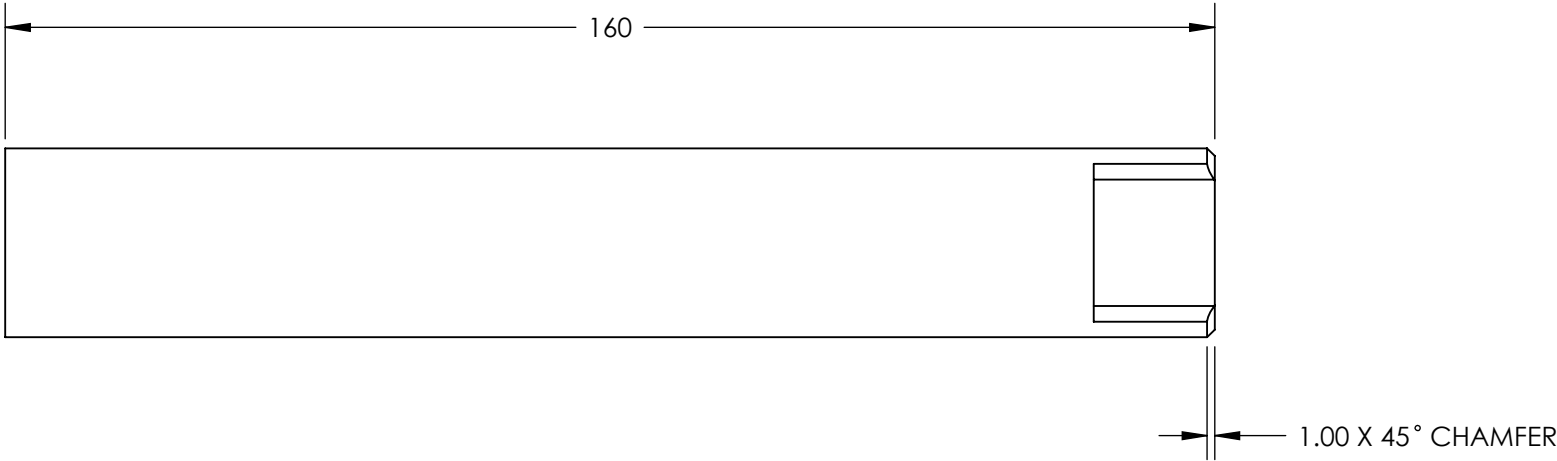
Fuel Your Life

PART DESCRIPTION

WELDMENT, CRANK ARM, RH

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3	2	1		
REV	DESCRIPTION	ECN #	DATE	ENG
-	See Sheet1	-	-	-



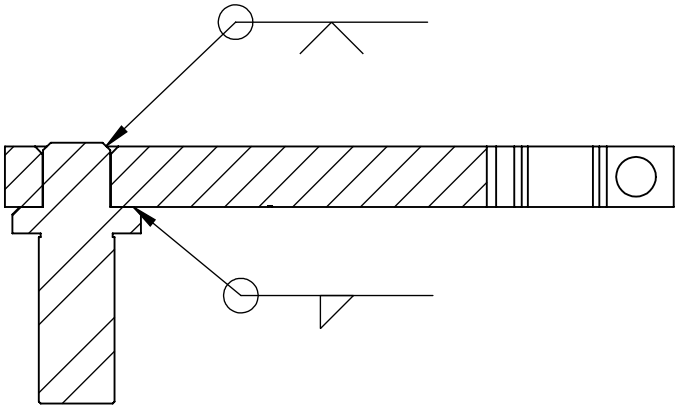
- NOTES:
- MATERIAL: ALLOY STEEL, MINIMUM SURFACE HARDNESS - 45 HRC.
 - FINISH: RUST PREVENTATIVE.
 - FASTEN WELDMENT TO CHECK SHAFT WITH M10 BOLT TORQUED TO 20 N-M.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		<i>OCTANE FITNESS</i> <i>Fuel Your Life</i>	
TOLERANCES ARE: DECIMALS .X $\pm$ 0.6 .XX $\pm$ 0.20 .XXX $\pm$ 0.100 ANGLES $\pm$ 0.5°		PART DESCRIPTION INSPECTION SHAFT	
APPROVALS DRAWN BY PRS	DATE 11/5/2008	SIZE B DWG. NO. 103613-001	REV. B
SCALE 1:2		DO NOT SCALE DRAWING	SHEET 2 OF 2

8 7 6 5 4 3 2 1

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF OCTANE FITNESS. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF OCTANE FITNESS IS PROHIBITED.

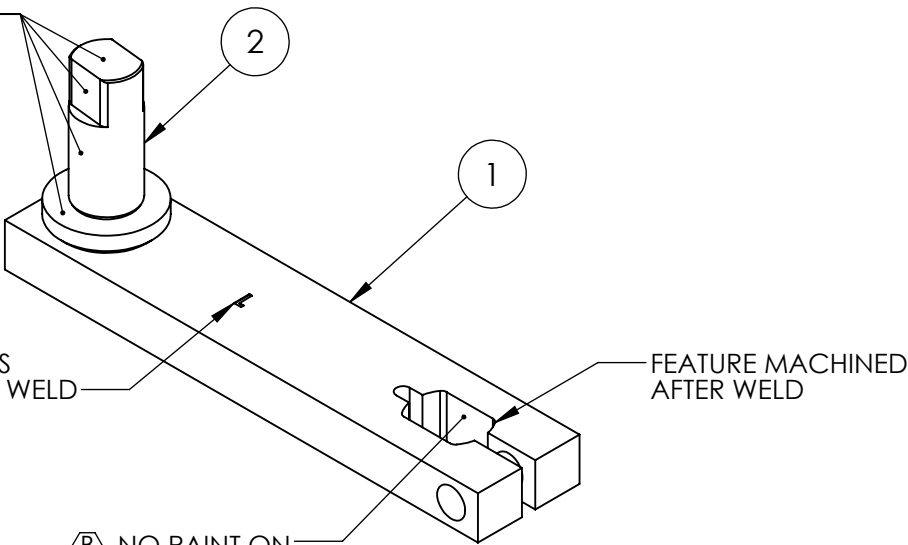
REV	DESCRIPTION	ECN #	DATE	ENG
1	RELEASE FOR PROTOTYPE		11/25/2008	PRS
A	PRODUCTION RELEASE	001-00-014894	6/30/2009	NRL
B	NOTE 2: ADDED POWDER COAT OPTION ADDED MASKING NOTE ADDED APPLY OIL NOTE	ECO-002902	8/8/2018	MRN



SECTION A-A

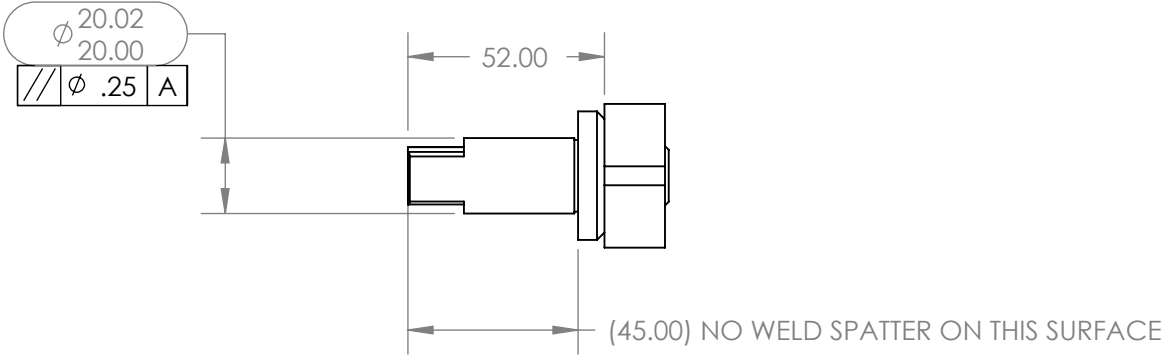
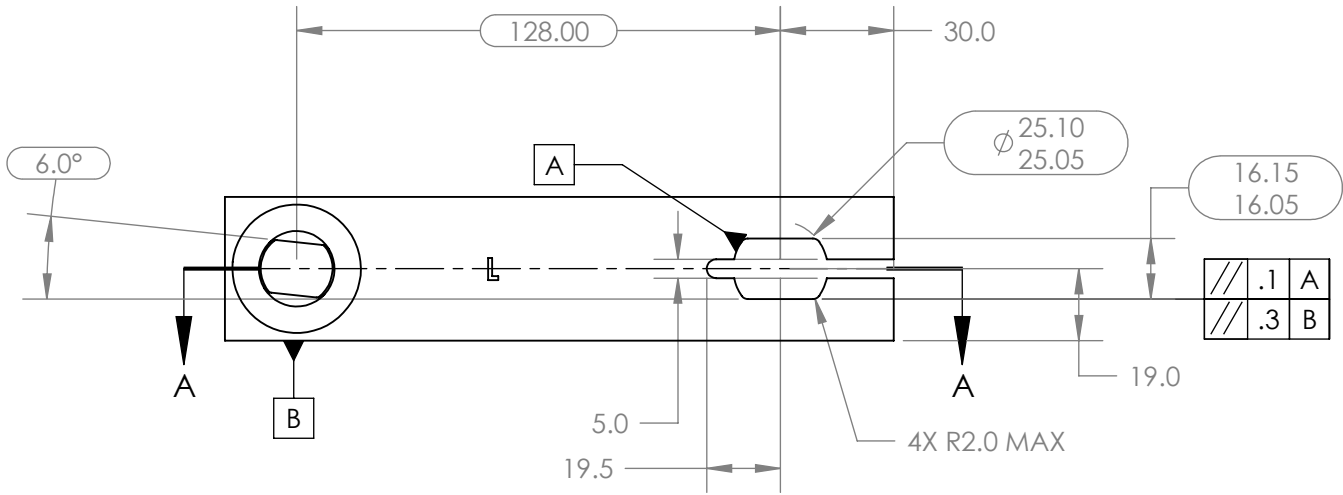
ⓑ NO PAINT ON THESE SURFACES

ⓑ APPLY AN OIL FILM TO SURFACES AFTER COATING PROCESS



ⓑ NO PAINT ON FEATURE SURFACES

ⓑ APPLY AN OIL FILM TO SURFACES AFTER COATING PROCESS



NOTES:

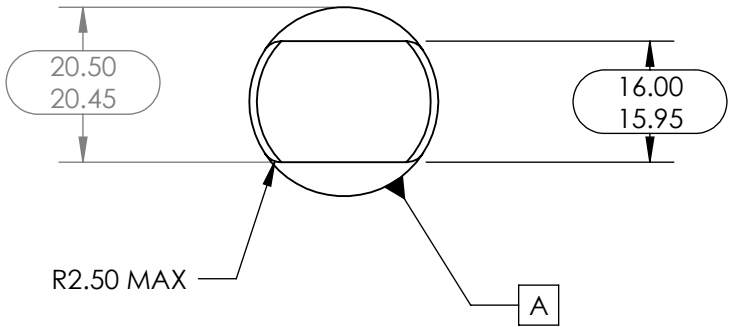
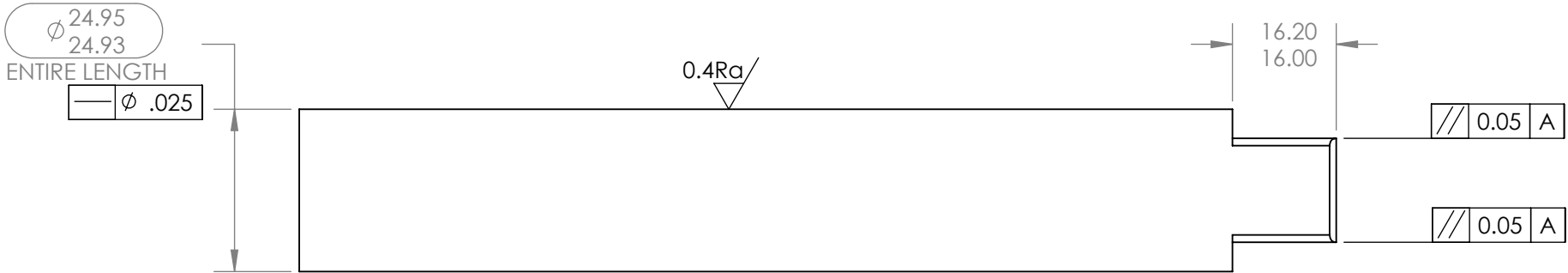
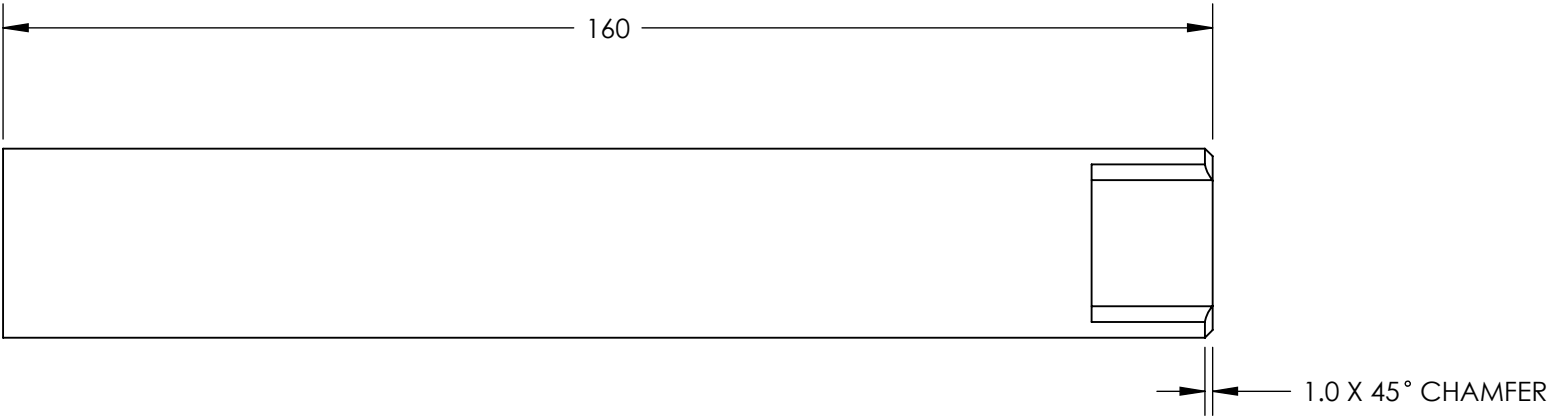
1. PARALLELISM MAY BE MEASURED USING MASTER PART, SEE SHEET 2.
- ⓑ 2. FINISH: OIL BATH OR BLACK POWDER COAT WITH SPECIFIED MASKING AFTER WELD.
3. ALL WELDS ARE 3MM WELDS UNLESS OTHERWISE SPECIFIED.
4. REMOVE ALL WELD FLASH AND SPATTER.
5. REMOVE ALL BURRS AND SHARP EDGES.
6. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLE AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
7. SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2002/95/EC, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).

ITEM NO.	PART NUMBER	DESCRIPTION	Qty.
1	103614-001	ARM, WELDED CRANK	1
2	103615-001	SHAFT, WELDED CRANK ARM	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		OCTANE FITNESS <i>Fuel Your Life</i>	
TOLERANCES ARE:		PART DESCRIPTION	
DECIMALS .X ±0.6 .XX ±0.20 .XXX ±0.100		WELDMENT, CRANK ARM, LH	
ANGLES ±0.5°			
APPROVALS DRAWN BY PRS	DATE 11/5/2008	SIZE B	DWG. NO. 103616-001
		SCALE 1:2	DO NOT SCALE DRAWING
		SHEET 1 OF 2	

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3	2	1	1	1
REV	DESCRIPTION	ECN #	DATE	ENG
-	See Sheet1	-	-	-

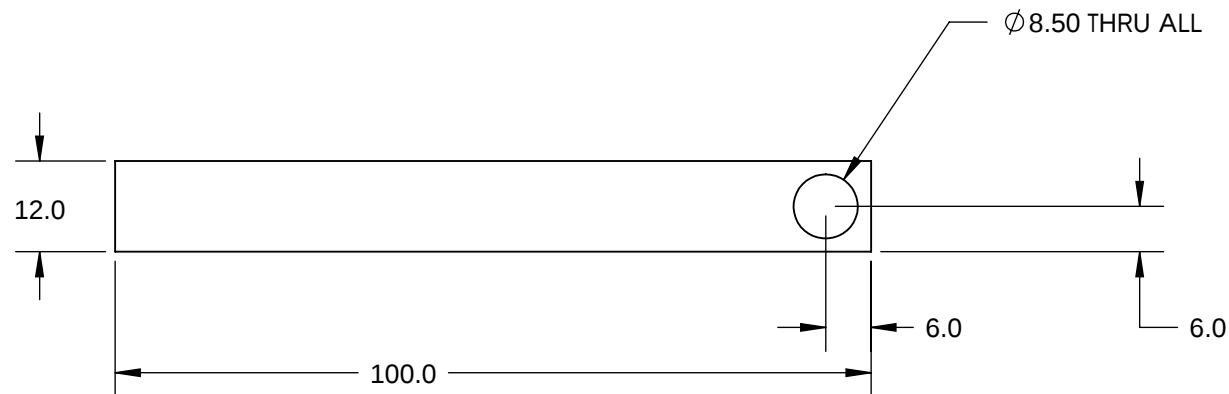
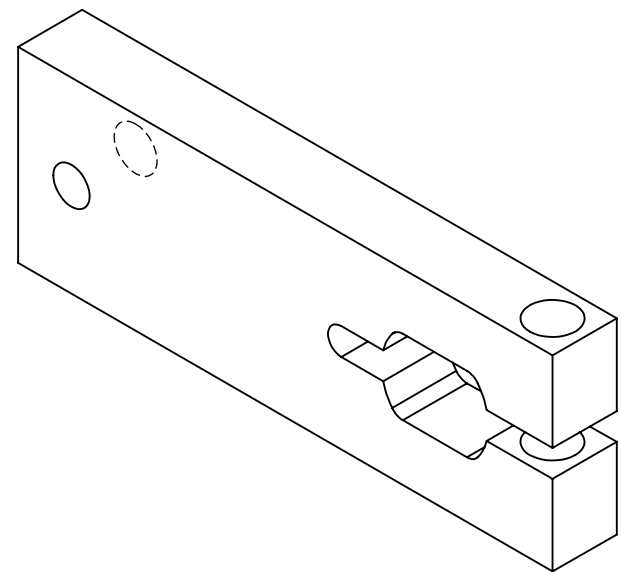
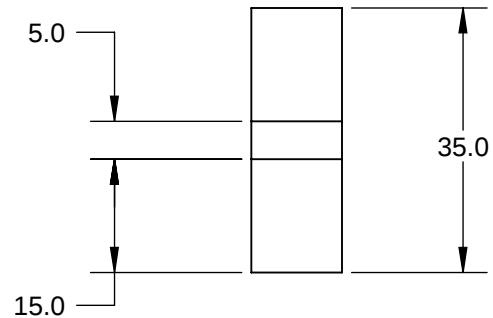
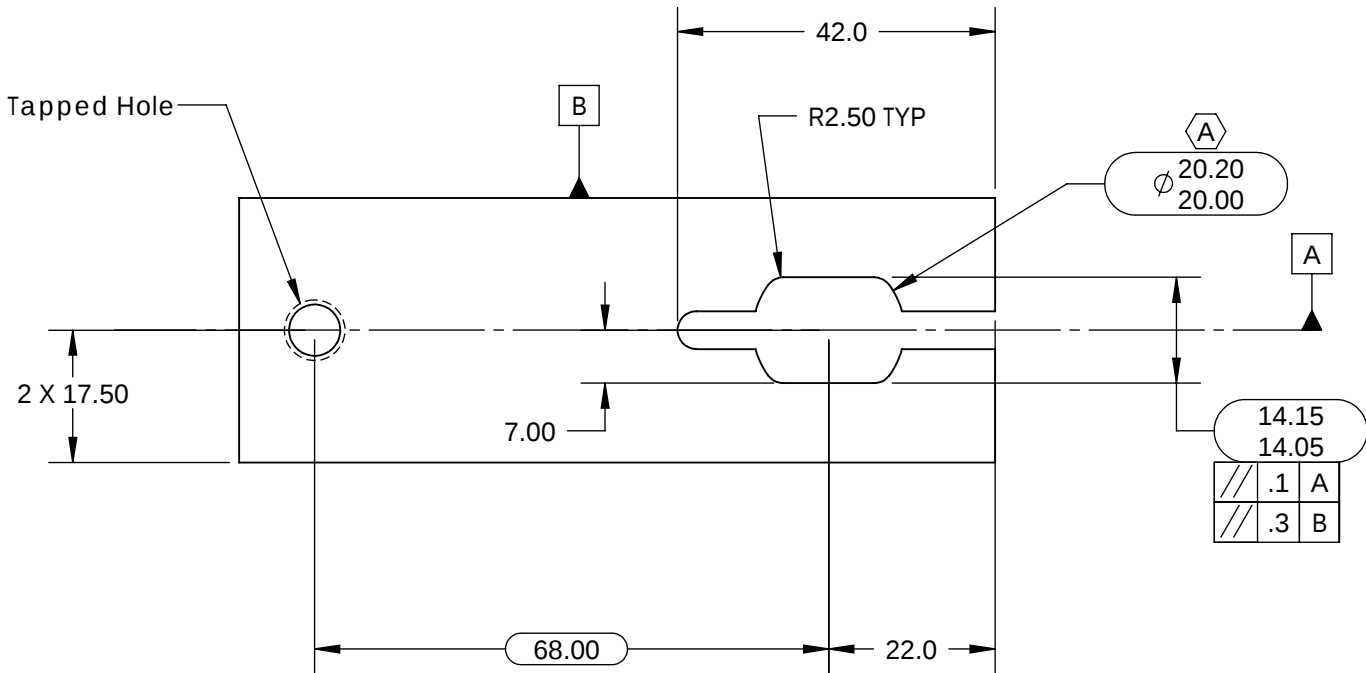


- NOTES:
1. MATERIAL: ALLOY STEEL, MINIMUM SURFACE HARDNESS - 45 HRC.
 2. FINISH: RUST PREVENTATIVE.
 3. FASTEN WELDMENT TO CHECK SHAFT WITH M10 BOLT TORQUED TO 20 N-M.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		OCTANE FITNESS <i>Fuel Your Life</i>	
TOLERANCES ARE: DECIMALS .X $\pm$ 0.6 .XX $\pm$ 0.20 .XXX $\pm$ 0.100 ANGLES $\pm$ 0.5°		PART DESCRIPTION INSPECTION SHAFT	
APPROVALS DRAWN BY PRS	DATE 11/5/2008	SIZE B DWG. NO. 103616-001	REV. B
SCALE 1:2		DO NOT SCALE DRAWING	SHEET 2 OF 2

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY
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THE WRITTEN PERMISSION OF OCTANE FITNESS IS PROHIBITED.

REV	DESCRIPTION	ECN #	DATE	ENG
2	CHANGED LENGTH		2/16/2009	PRS
A	PRODUCTION RELEASE - CHGD TOL DIM 20	001-00-014894	6/30/2009	NRL



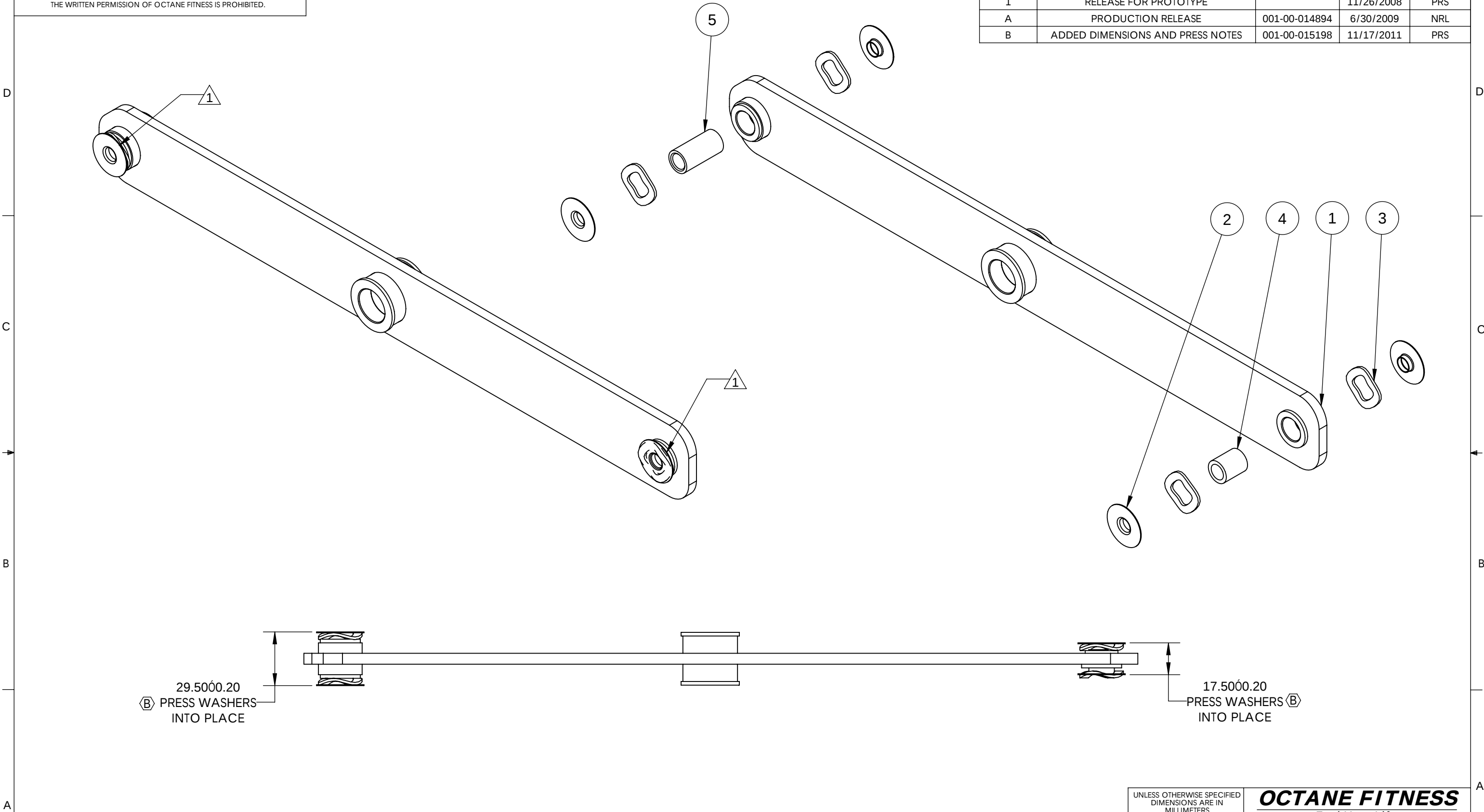
NOTES:

1. MATERIAL: STEEL, HOT ROLLED, PICKLED & OILED PER ASTM A570, GRADE 30
2. FINISH: MANGANESE PHOSPHATE.
3. REMOVE ALL BURRS AND SHARP EDGES.
4. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLE AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
5. SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2002/95/EC, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		<u>OCTANE FITNESS</u> <i>Fuel Your Life</i>		
TOLERANCES ARE: DECIMALS ANGLES .X ±0.6 ±0.5° .XX ±0.20 .XXX ±0.100		PART DESCRIPTION CRANK, OFFSET		
APPROVALS	DATE	SIZE B	DWG. NO. 103620-001	REV. A
DRAWN BY PRS	11/18/2008	SCALE 1:1		DO NOT SCALE DRAWING
				SHEET 1 OF 1

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF OCTANE FITNESS. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF OCTANE FITNESS IS PROHIBITED.

REV	DESCRIPTION	ECN #	DATE	ENG
1	RELEASE FOR PROTOTYPE		11/26/2008	PRS
A	PRODUCTION RELEASE	001-00-014894	6/30/2009	NRL
B	ADDED DIMENSIONS AND PRESS NOTES	001-00-015198	11/17/2011	PRS



ITEM NO.	PART NUMBER	DESCRIPTION	Qty.
1	103625-001	ASSEMBLY, 3P AND BUSHINGS	1
2	103681-001	WASHER, 8 X 26 X 1, SNAP FIT	4
3	103682-001	SPRING WASHER, 14MM, PLASTIC	4
4	103683-001	SLEEVE, LINKAGE	1
5	103961-001	SLEEVE, LINKAGE	1

NOTES:
1. FOR SERVICE PARTS CAPTURE SLEEVES, WASHERS AND WAVE WASHERS WITH A CABLE TIE.
2. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLE AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
3. SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2002/95/EC, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN
MILLIMETERS

TOLERANCES ARE:

DECIMALS ANGLES

.X ±0.6 ±0.5°

.XX ±0.20

.XXX ±0.100

APPROVALS

DRAWN BY

PRS

DATE

11/19/2008

SIZE

B

DWG. NO.

103621-001

REV.

C

OCTANE FITNESS

Fuel Your Life

PART DESCRIPTION

ASSEMBLY, 3P LINK

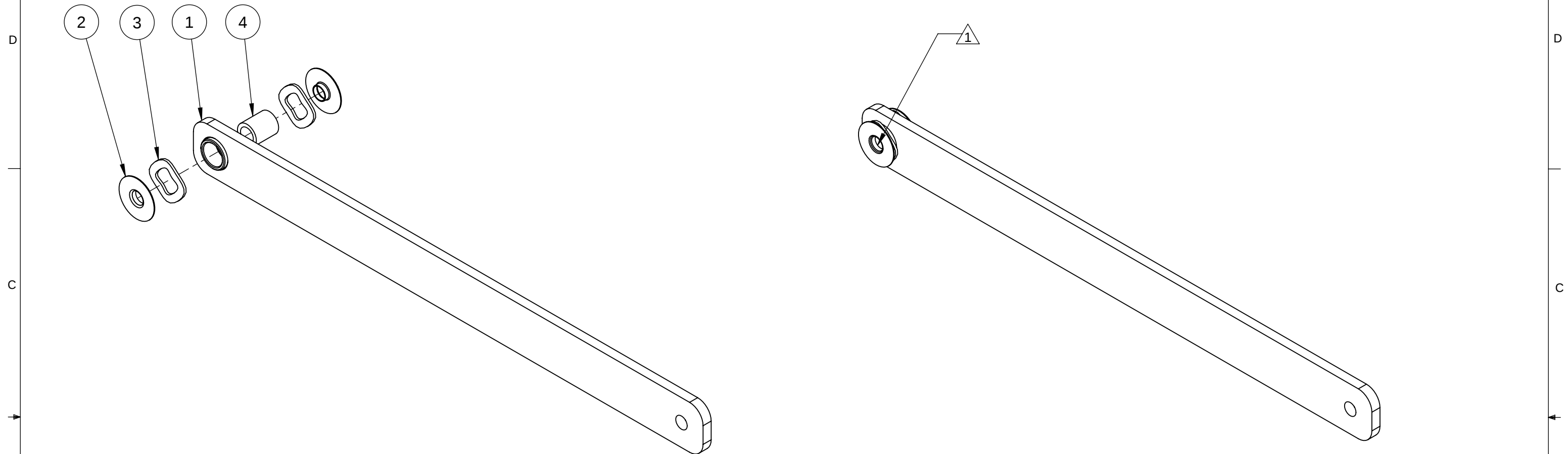
SCALE 1:2

DO NOT SCALE DRAWING

SHEET 1 OF 1

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OF OCTANE FITNESS. ANY REPRODUCTION IN PART OR WHOLE WITHOUT
THE WRITTEN PERMISSION OF OCTANE FITNESS IS PROHIBITED.

REV	DESCRIPTION	ECN #	DATE	ENG
1	RELEASE FOR PROTOTYPE		12/3/2008	PRS
A	PRODUCTION RELEASE	001-00-014894	7/1/2009	NRL
B	ADDED DIMENSION AND PRESS NOTE	001-00-015198	11/17/2011	PRS



17.5000.20
 PRESS WASHERS-
 INTO PLACE

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	103619-001	ASSEMBLY, STABILITY LINK	1
2	103681-001	WASHER, 8 X 26 X 1, SNAP FIT	2
3	103682-001	SPRING WASHER, 14MM, PLASTIC	2
4	103683-001	SLEEVE, LINKAGE	1

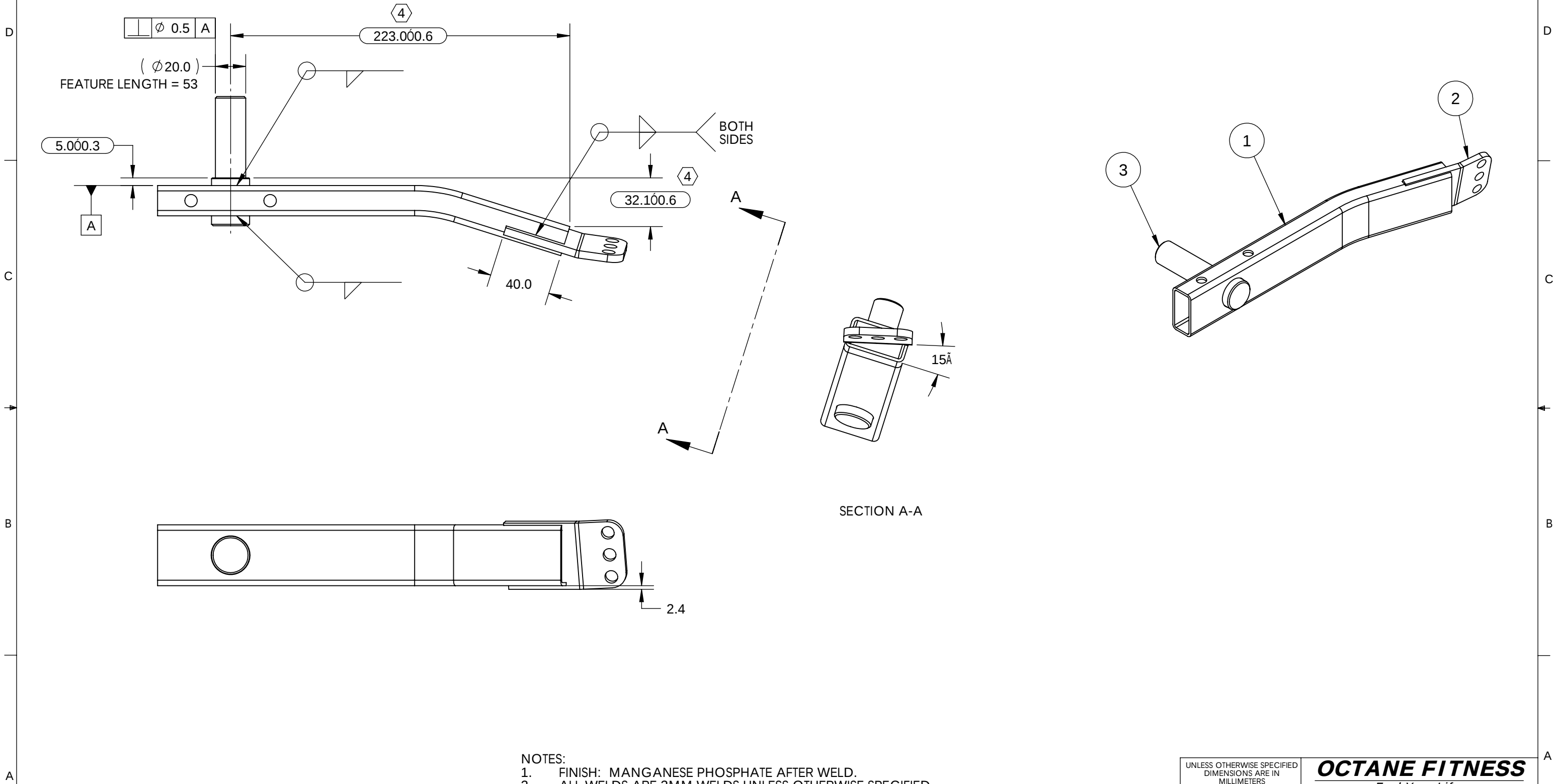
NOTES:

1. FOR SERVICE PARTS ATTACH SLEEVES, WASHERS AND WAVE WASHERS WITH CABLE TIE.
2. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLE AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
3. SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2002/95/EC, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		<i>OCTANE FITNESS</i> <i>Fuel Your Life</i>	
TOLERANCES ARE: DECIMALS ANGLES .X ±0.6 ±0.5° .XX ±0.20 .XXX ±0.100		PART DESCRIPTION ASSEMBLY, STABILITY LINK	
APPROVALS	DATE	SIZE B	DWG. NO. 103680-001
DRAWN BY PRS	11/19/2008	SCALE 1:2	DO NOT SCALE DRAWING
		SHEET 1 OF 1	

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REV	DESCRIPTION	ECN #	DATE	ENG
4	TUBE CHANGED		5/15/2009	NRL
A	PRODUCTION RELEASE	001-00-014894	7/1/2009	NRL



NOTES:

1. FINISH: MANGANESE PHOSPHATE AFTER WELD.
2. ALL WELDS ARE 3MM WELDS UNLESS OTHERWISE SPECIFIED.
3. REMOVE ALL WELD FLASH AND SPATTER.
4. REMOVE ALL BURRS AND SHARP EDGES.
5. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLE AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
6. CAD GENERATED MODEL. ANY DIMENSIONS NOT ON THIS PRINT SHOULD BE EXTRACTED FROM THE CAD MODEL.
7. SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2002/95/EC, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).

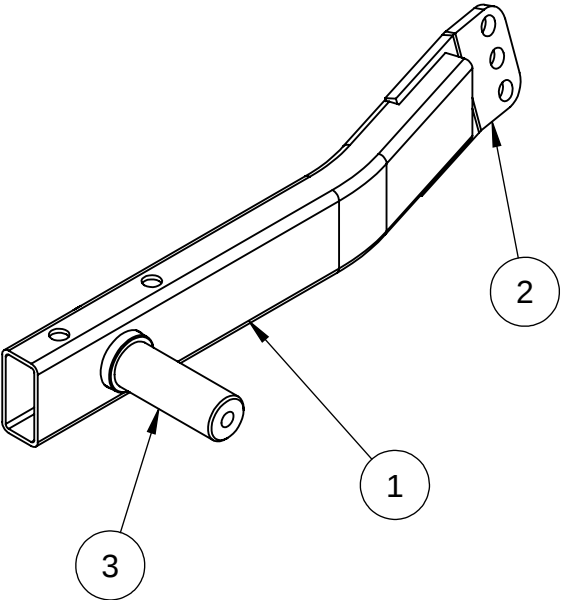
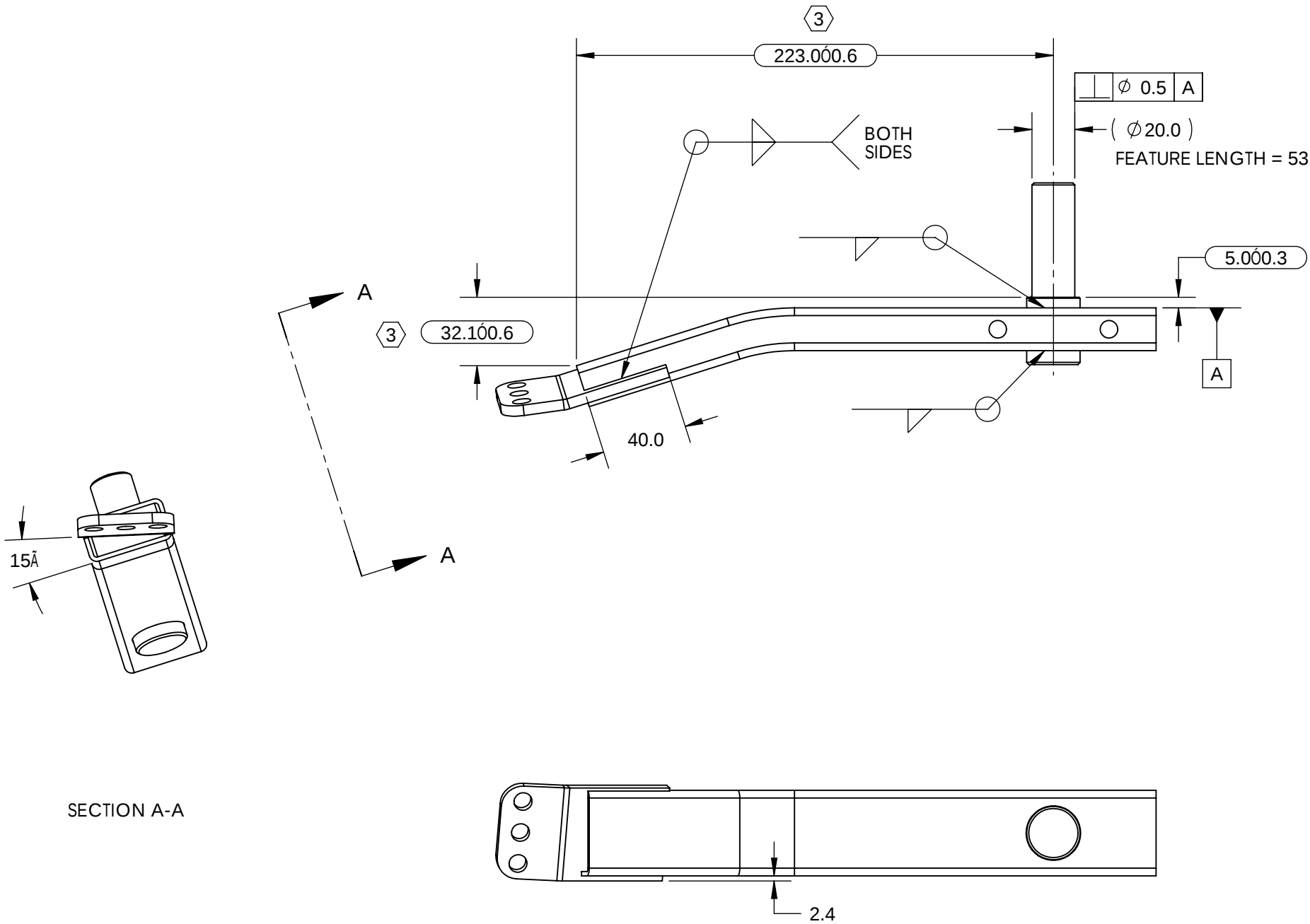
ITEM NO.	PART NUMBER	DESCRIPTION	Qty.
1	103722-001	TUBE, RIGHT BENT ROCKER	1
2	101674-001	PLATE, ROD END CONNECTOR	1
3	103723-001	AXLE, UPPER ARM PIVOT	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		OCTANE FITNESS <i>Fuel Your Life</i>	
TOLERANCES ARE: DECIMALS .X ±0.6 .XX ±0.20 .XXX ±0.100 ANGLES ±0.5°		PART DESCRIPTION WELDMENT, RIGHT ROCKER	
APPROVALS DRAWN BY REF	DATE 11/25/2008	SIZE B DWG. NO. 103721-001	REV. A SHEET 1 OF 1

87654321

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REV	DESCRIPTION	ECN #	DATE	ENG
3	CHANGED TUBE		5/15/2009	NRL
A	PRODUCTION RELEASE	001-00-014894	7/1/2009	NRL



NOTES:

1. FINISH: MANGANESE PHOSPHATE AFTER WELDING
2. ALL WELDS ARE 3MM WELDS UNLESS OTHERWISE SPECIFIED.
3. REMOVE ALL WELD FLASH AND SPATTER.
4. REMOVE ALL BURRS AND SHARP EDGES.
5. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLE AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
6. CAD GENERATED MODEL. ANY DIMENSIONS NOT ON THIS PRINT SHOULD BE EXTRACTED FROM THE CAD MODEL.
7. SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2002/95/EC, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).

ITEM NO.	PART NUMBER	DESCRIPTION	Qty.
1	103725-001	TUBE, LEFT BENT ROCKER	1
2	101674-001	PLATE, ROD END CONNECTOR	1
3	103723-001	AXLE, UPPER ARM PIVOT	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		OCTANE FITNESS <i>Fuel Your Life</i>	
TOLERANCES ARE: DECIMALS ANGLES .X ±0.6 ±0.5° .XX ±0.20 .XXX ±0.100		PART DESCRIPTION WELDMENT, LEFT ROCKER	
APPROVALS DRAWN BY REF	DATE 11/26/2008	SIZE B DWG. NO. 103724-001	REV. A
SCALE 2:5		DO NOT SCALE DRAWING	SHEET 1 OF 1

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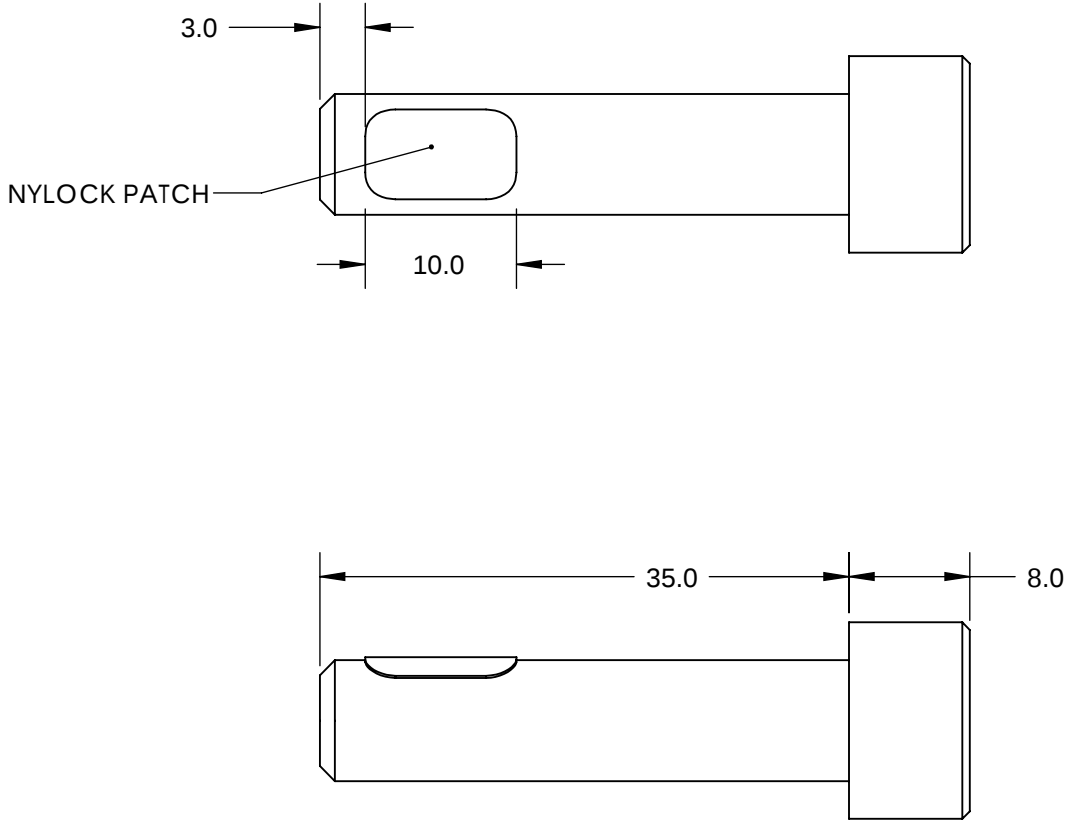
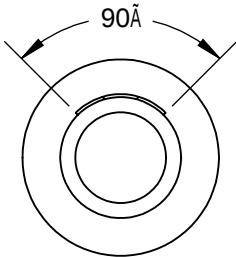
REV	DESCRIPTION	ECN #	DATE	ENG
1	RELEASE FOR PROTOTYPE		11/26/2008	PRS
A	PRODUCTION RELEASE - CHG FROM 8.8 TO 12.9	001-00-014894	7/1/2009	NRL

D

C

B

A



- NOTES:
1. MATERIAL: MEDIUM CARBON STEEL, QUENCHED & TEMPERED, GRADE 8 (METRIC 12.9), PER SAE J429 OR ASTM A449. (REF. JIS G4105, SCM435(SCM3)).
 2. FINISH: BLACK ZINC.
 3. BOLT STRENGTH: MINIMUM YIELD STRENGTH = 130,000 PSI. MINIMUM ULTIMATE STRENGTH = 150,000 PSI.
 4. REMOVE ALL BURRS AND SHARP EDGES.
 5. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLES AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
 6. SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2002/95/EC, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		<i>OCTANE FITNESS</i> <i>Fuel Your Life</i>		
		PART DESCRIPTION SCREW, M8 X 1.25 X 35.0L SHCS, BLACK ZINC, GR 12.9		
TOLERANCES ARE:				
DECIMALS		ANGLES		
.X ±0.6		±0.5°		
.XX ±0.20				
.XXX ±0.100				
APPROVALS		DATE	SIZE	DWG. NO.
DRAWN BY			B	
PRS		11/26/2008		
		SCALE 2:1	DO NOT SCALE DRAWING	
			SHEET 1 OF 1	

103728-001

D

C

B

A

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REV	DESCRIPTION	ECO	DATE	ENG
A	PRODUCTION RELEASE	001-00-014813	12/2/08	MRN
B	25 WAS 30, 100 WAS 200	001-00-014813	12/15/2008	MRN
C	ADDED BARCODE TO LABEL	002942	9/7/2018	BHG

103729-001 REV C LABEL, BASE BOX PART
8.28.18
100mm W X 25mm H



ARTWORK REFERENCE

—BAR CODE SHOWN FOR SAMPLE ONLY.
BAR CODE MUST MATCH FINISHED GOOD PART NUMBER.

—PRINT COLOR: BLACK

6.4 MIN.
WHITE SPACE

6.4 MIN
WHITE SPACE

25±0.5

12.7 MIN
HEIGHT

8019092

- 100±0.5

LABEL COLOR: WHITE

—PART NUMBER SHOWN FOR SAMPLE ONLY.
PRINT PART NUMBER OF FINISHED GOOD.

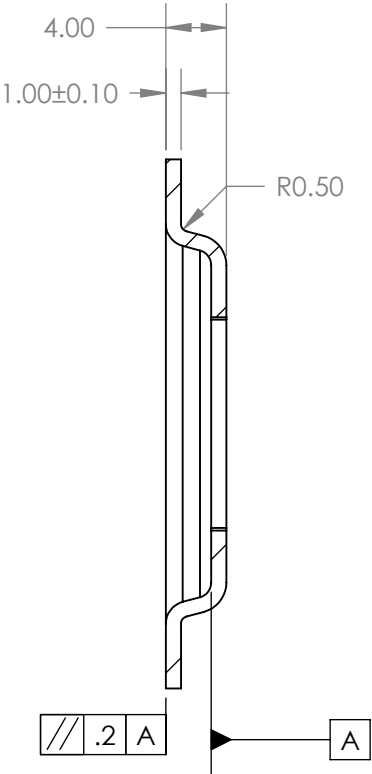
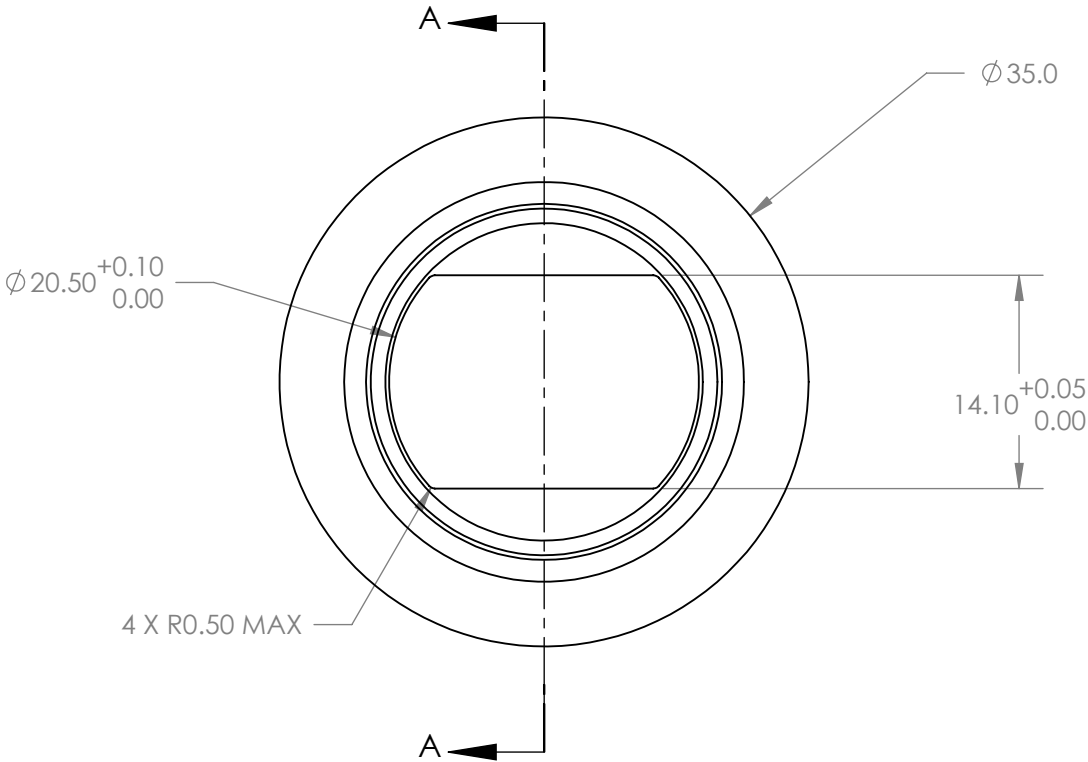
NOTES:

1. MATERIAL: WHITE ART PAPER, 0.068mm THICKNESS.
2. ADHESIVE: PRESSURE SENSITIVE ADHESIVE, ACRYLIC.
3. SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2011/65/EU, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).

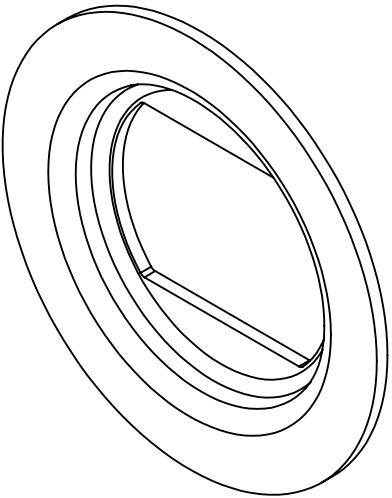
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE		<i>OCTANE FITNESS</i> <i>Fuel Your Life</i>		
TOLERANCES ARE: DECIMALS ANGLES .X ±0.6 ±0.5° .XX ±0.2 .XXX ±0.1		APPROVALS	DATE	PART DESCRIPTION LABEL, BASE BOX PART NUMBER		
MATERIAL SEE NOTES		DRAWN	3/13/2008			
FINISH SEE NOTES		CHECKED ----	XX-XX-XX			
		RESP ENG ----	XX-XX-XX			
		MFG ENG ----	XX-XX-XX			
DO NOT SCALE DRAWING		QUAL ENG ----	XX-XX-XX	SIZE B	DWG. NO. 103729-001	REV. C
				SCALE 1:1	CAD FILE:	SHEET 1 OF 1

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REV	DESCRIPTION	ECN #	DATE	ENG
1	RELEASE FOR PROTOTYPE		12/2/2008	PRS
A	PRODUCTION RELEASE - CHANGED FLAT TO FLAT DIMENSION AND TOLERANCE	001-00-014894	7/1/2009	PRS



SECTION A-A

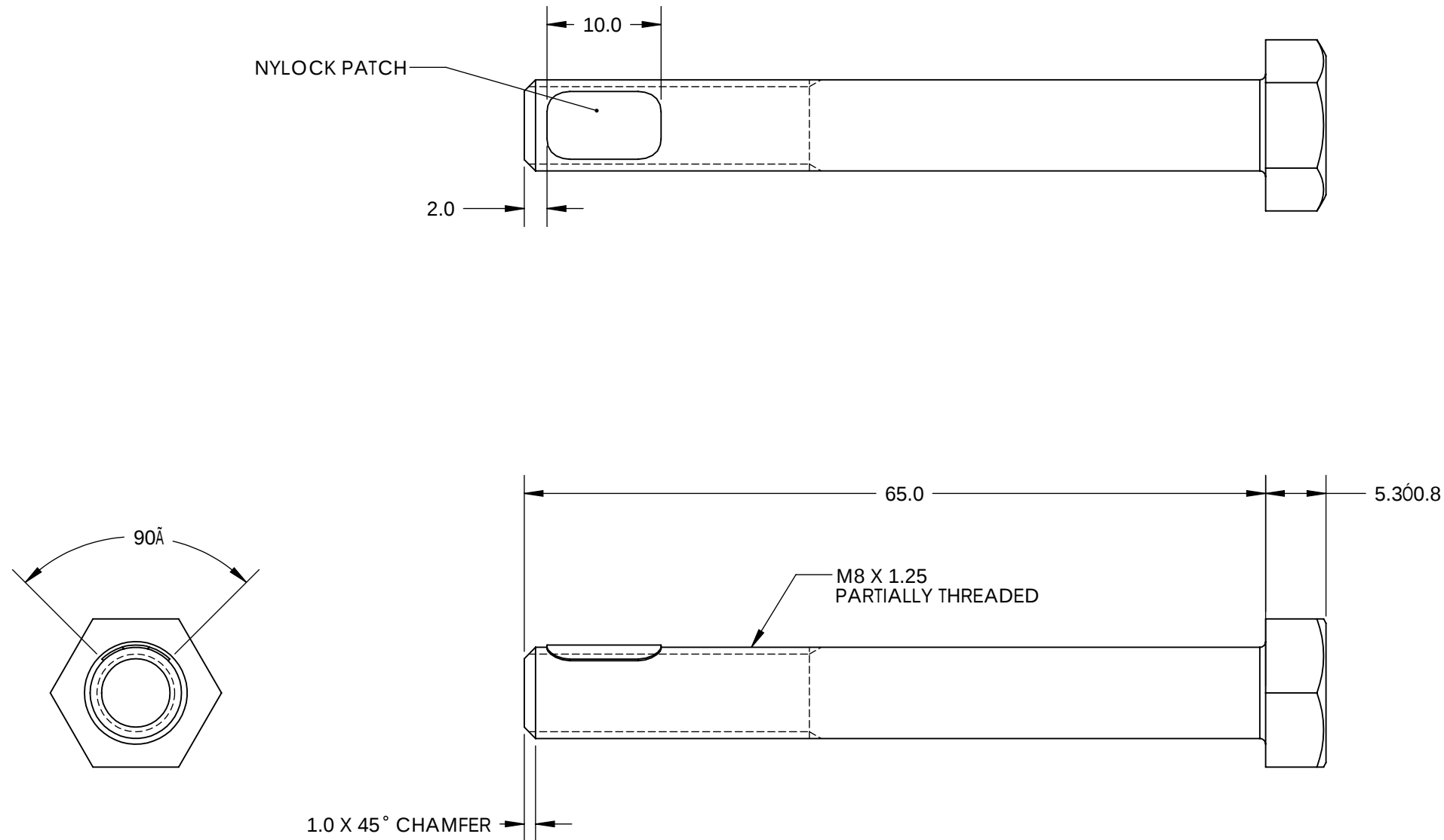


- NOTES:
- MATERIAL: LOW CARBON STEEL PLATE, PER ASTM A283, (REF. JIS G3101, SS400(SS41)).
 - FINISH: CLEAR ZINC.
 - REMOVE ALL BURRS AND SHARP EDGES.
 - OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLE AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
 - SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2002/95/EC, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		OCTANE FITNESS <i>Fuel Your Life</i>	
TOLERANCES ARE: DECIMALS ANGLES .X ± 0.6 $\pm 0.5^\circ$.XX ± 0.20 .XXX ± 0.100		PART DESCRIPTION WASHER, CENTER 3P	
APPROVALS DRAWN BY PRS	DATE 12/2/2008	SIZE B DWG. NO. 103732-001	REV. A
SCALE 2:1		DO NOT SCALE DRAWING	SHEET 1 OF 1

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THE WRITTEN PERMISSION OF OCTANE FITNESS IS PROHIBITED.

3		2		1	
REV	DESCRIPTION	ECN #	DATE	ENG	
1	RELEASE FOR PROTOTYPE		12/3/2008	PRS	
A	PRODUCTION RELEASE - ADDED PARTIALLY THREADED	001-00-014894	7/1/2009	NRL	



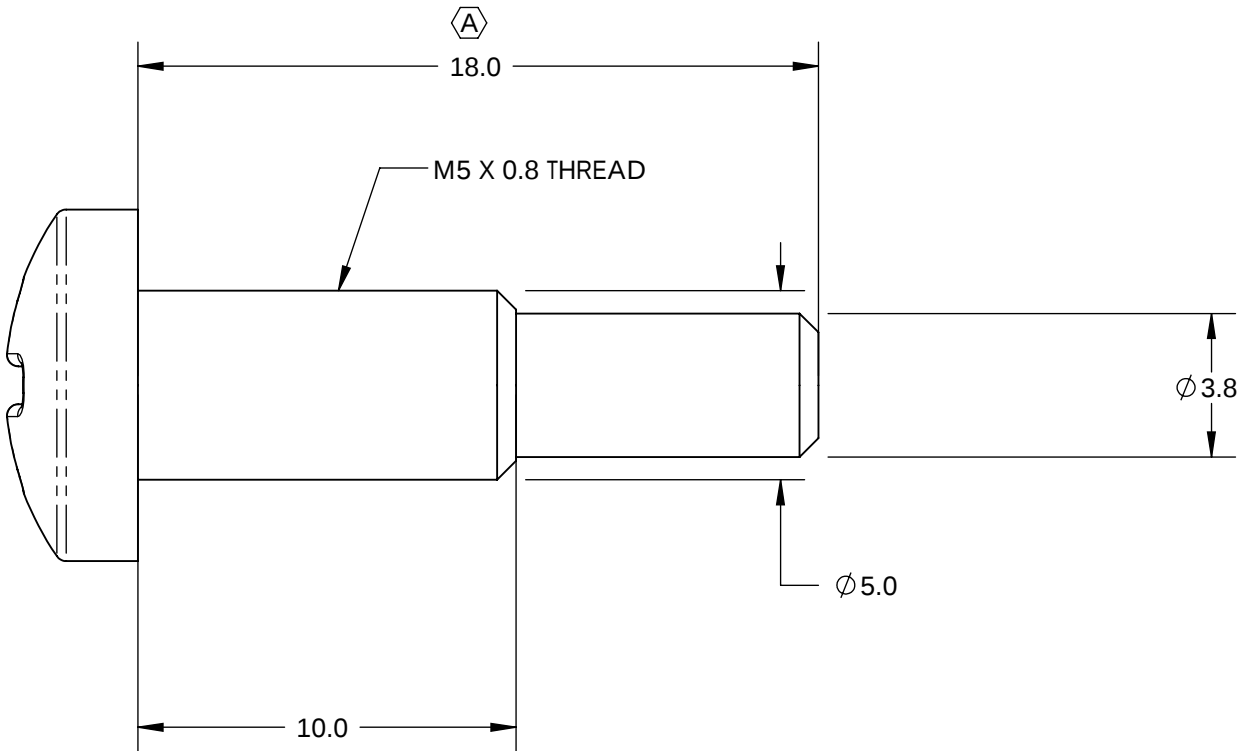
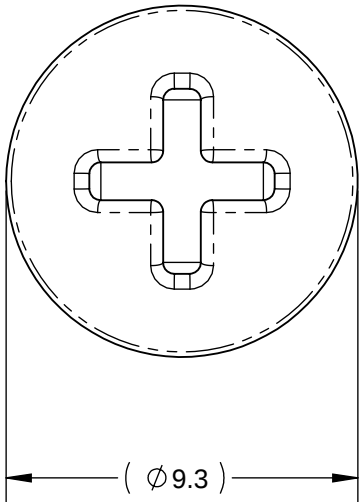
NOTES:

1. MATERIAL: MEDIUM CARBON STEEL, QUENCHED & TEMPERED, GRADE 8 (METRIC 12.9), PER SAE J429 OR ASTM A449. (REF. JIS G4105, SCM435(SCM3)).
2. FINISH: CLEAR ZINC.
3. BOLT STRENGTH: MINIMUM YIELD STRENGTH = 120,000 PSI.
MINIMUM ULTIMATE STRENGTH = 150,000 PSI.
4. REMOVE ALL BURRS AND SHARP EDGES.
5. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLES AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
6. SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2002/95/EC, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		<i>OCTANE FITNESS</i> <i>Fuel Your Life</i>	
TOLERANCES ARE: DECIMALS ANGLES .X ±0.6 ±0.5° .XX ±0.20 .XXX ±0.100		PART DESCRIPTION BOLT, M8 X 1.25 X 65 HCS, GR 12.9, CZ	
APPROVALS	DATE	SIZE B	DWG. NO. 103735-001
DRAWN BY PRS	12/3/2008	SCALE 2:1	DO NOT SCALE DRAWING
		SHEET 1 OF 1	

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF OCTANE FITNESS. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF OCTANE FITNESS IS PROHIBITED.

REV	DESCRIPTION	ECN #	DATE	ENG
1	INITIAL RELEASE		7/17/2009	NRL
A	PRODUCTION RELEASE - CHGD LENGTH	001-00-014894	7/20/2009	NRL

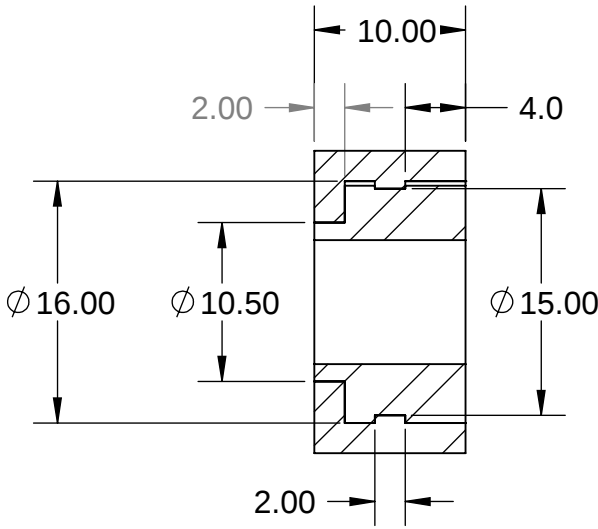
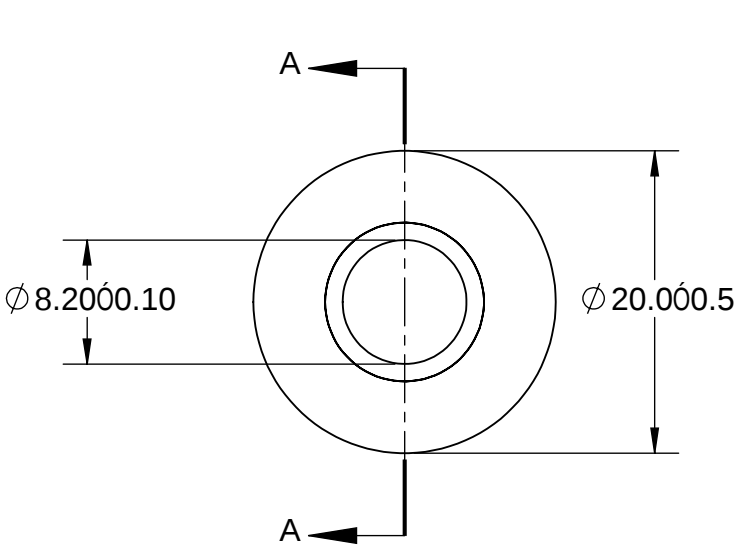


- NOTES:
1. MATERIAL: STEEL, CLASS 4.8
 2. FINISH: BLACK ZINC
 3. DRIVER: #2 PHILLIPS
 4. MANUFACTURE IN ACCORDANCE WITH ASME/ANSI B18.6.7M.
 5. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLE AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
 6. SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2002/95/EC, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).

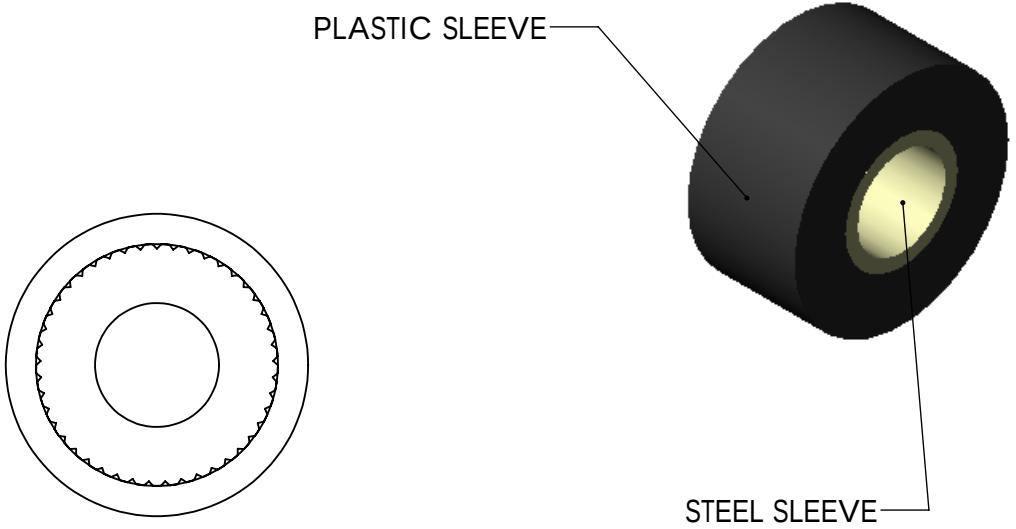
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		<i>OCTANE FITNESS</i> <i>Fuel Your Life</i>		
		PART DESCRIPTION SCREW, M5 X 0.8 X 18, PAN HEAD, TYPE 1, PILOT POINT, BZ		
TOLERANCES ARE:				
DECIMALS		ANGLES		
.X ±0.6		±0.5°		
.XX ±0.20				
.XXX ±0.100				
APPROVALS	DATE	SIZE	DWG. NO.	REV.
DRAWN BY		B		A
NRL	7/17/2009		104562-001	
		SCALE 5:1	DO NOT SCALE DRAWING	SHEET 1 OF 1

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF OCTANE FITNESS. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF OCTANE FITNESS IS PROHIBITED.

1	2	3	1	1
1	DESCRIPTION	ECO #	DATE	ENG
A	PRODUCTION RELEASE REPLACES PN 102307-001 CHANGED MATERIAL, ADDED HARDNESS REQUIREMENT, CHANGED PLATING FROM BRIGHT ZINC TO YELLOW ZINC AND DELRIN TO BLACK FOR INDENTIFICATION	001-00-015437	6/27/2013	NRL



SECTION A-A



- NOTES:
1. STEEL SLEEVE: 1144 STEEL HARDENED TO HRC 30-35, YELLOW ZINC PLATED
 2. PLASTIC SLEEVE: DELRIN 100 (ACETAL (POM) HOMOPOLYMER), BLACK
 3. REMOVE ALL BURRS AND SHARP EDGES.
 4. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLES AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
 5. SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2002/95/EC, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		OCTANE FITNESS <i>Fuel Your Life</i>	
TOLERANCES ARE:		PART DESCRIPTION	
DECIMALS	ANGLES	SPACER, 8 X 20 X 10, METAL- PLASTIC, HARDENED	
.X ±0.6	±0.5°		
.XX ±0.20			
.XXX ±0.100			
APPROVALS	DATE	SIZE B	DWG. NO.
DRAWN BY NRL	6/27/2013		108653-001
		SCALE 2:1	DO NOT SCALE DRAWING
		SHEET 1 OF 1	

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF OCTANE FITNESS. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF OCTANE FITNESS IS PROHIBITED.

REV	DESCRIPTION	ECO #	DATE	ENG
A	PRODUCTION RELEASE	001-00-015387	10/2/2013	MRN
B	ADDED "C" TO TUV/NRTL MARK, ADDED CLASS III MARK	001-00-015559	11/10/2014	MRN
C	REVISED ARTWORK REFERENCE (NRTL REMOVED) CHANGED DESCRIPTION	001-00-015838	12/14/2016	MRN

108772-001 REV C LABEL SN BASE COMMERCIAL, 9V/1.3A
Date: 12.13.16 KVR
Font: Univers Condensed 67 Bold

Background: Pantone 431
Text: White
S/N & Barcode: Black
S/N Rectangle: White
S/N FONT: Ariel Regular 14 pt (3.6mm height)

25 mm x 82 mm
Print area: 22mm x 79mm

R05080000001- 01

R (REFER TO 102315-001)
05 year
08 month
00 model numbers (REFER TO 102315-001)
00001 number of each unit
01 serial splits

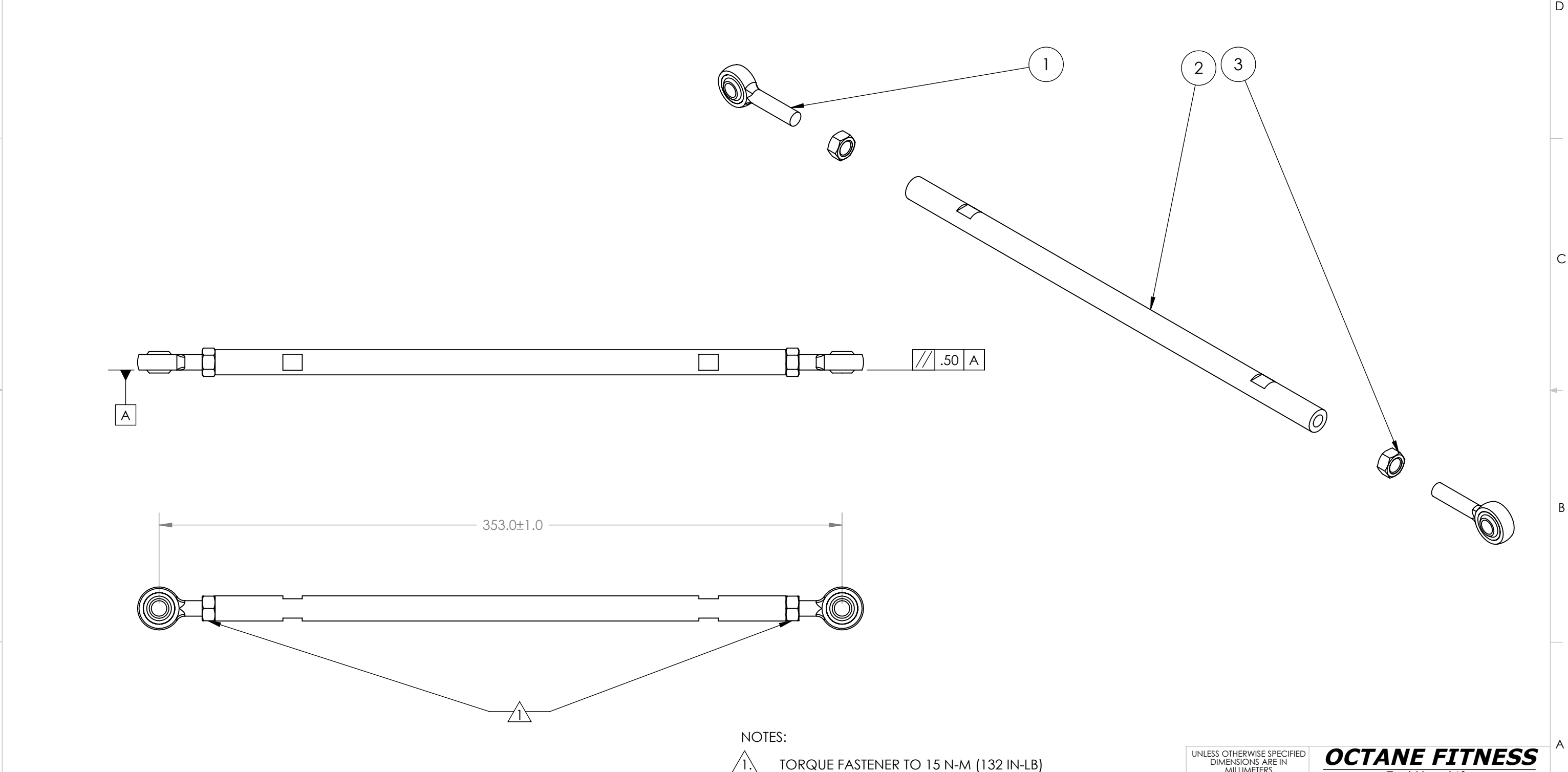


- NOTES:
- 1. ALL INFORMATION ON THIS PRINT IS FOR REFERENCE ONLY.
 - 2. MATERIAL: POLYPROPYLENE PAPER (PP) OR OCTANE FITNESS APPROVED EQUIVALENT
 - 3. ADHESIVE: 3M 468mp.
 - 4. SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2002/95/EC, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).
 - 5. LABEL MUST COMPLY WITH UL 969 AND UL 1647 STANDARDS.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		OCTANE FITNESS <i>Fuel Your Life</i>	
TOLERANCES ARE: DECIMALS .X ±0.6 .XX ±0.20 .XXX ±0.100 ANGLES ±0.5°		PART DESCRIPTION LABEL, SN, BASE, COMMERCIAL, 9V/1.3A	
APPROVALS DRAWN BY ---	DATE 8/3/2005	SIZE B DWG. NO. 108772-001	REV. C
SCALE 2:1		DO NOT SCALE DRAWING	SHEET 1 OF 1

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF OCTANE FITNESS. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF OCTANE FITNESS IS PROHIBITED.

REV	DESCRIPTION	ECN #	DATE	ENG
A	RELEASE FOR PRODUCTION	001-00-015473	7/21/2014	PRS



ITEM NO.	PART NUMBER	DESCRIPTION	Qty.
1	109742-001	ROD END, 5/16-24 MALE THREAD	2
2	103679-001	SHAFT, TIE ROD	1
3	101309-001	NUT, HEX, 5/16-24, CLEAR ZINC, STL	2

NOTES:

- TORQUE FASTENER TO 15 N-M (132 IN-LB)
- OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLE AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
- SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2002/95/EC, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN
MILLIMETERS

TOLERANCES ARE:

DECIMALS

ANGLES

.X ±0.6

±0.5°

.XX ±0.20

.XXX ±0.100

APPROVALS

DATE

DRAWN BY

11/20/2008

SCALE 1:2

DO NOT SCALE DRAWING

SHEET 1 OF 1

OCTANE FITNESS

Fuel Your Life

PART DESCRIPTION

ASSEMBLY, ROD END LINK

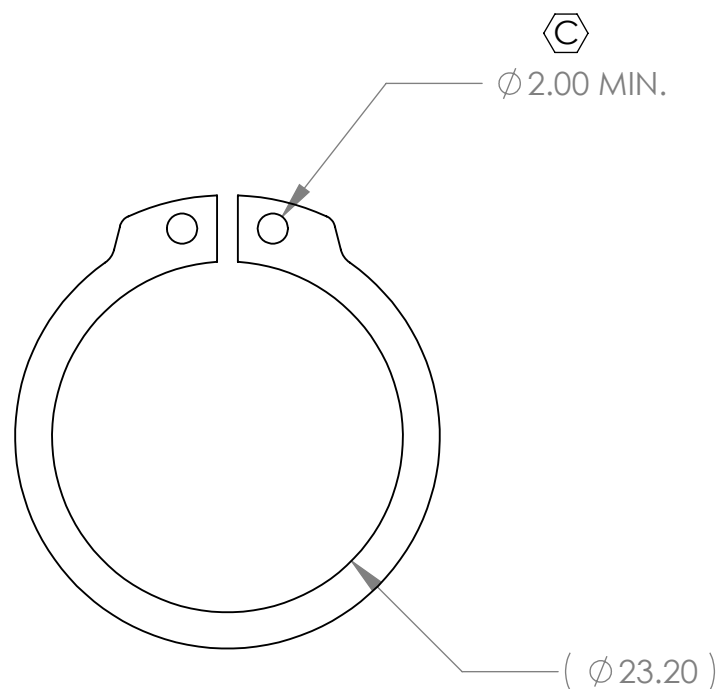
SIZE B

DWG. NO.

REV. A

109747-001

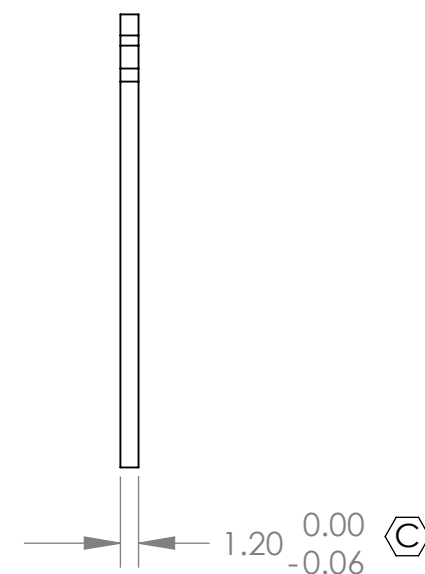
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF OCTANE FITNESS. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF OCTANE FITNESS IS PROHIBITED.



NOTES:

1. MATERIAL: CARBON SPRING STEEL (REF. JIS G 4081).
2. FINISH: BLACK OXIDE.
3. MUST CONFORM TO DIN 471.
4. REMOVE ALL BURRS AND SHARP EDGES.
5. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLES AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
6. SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2002/95/EC, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).

REV	DESCRIPTION	ECO #	DATE	ENG
A	DOCUMENTATION RELEASE	100	12/2/2005	BHG
B	ADD RoHS NOTE	205	6/2/06	LJH
C	ADDED 2.00 HOLE DIM. ADDED TOLERANCE TO 1.20 THICKNESS DIM. ADDED NOTE 3 - MUST COMFORM TO DIN 471.	001-00-015903	1/11/2018	MRN



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS			CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE		 Fuel Your Life PART DESCRIPTION RING, RETAINING, 25MM		
TOLERANCES ARE: FRACTIONS DECIMALS ANGLES + X ±0.1 ±0.5° .XX ±0.01 .XXX ±0.005			APPROVALS	DATE	SIZE B DWG. NO. 900009-001 REV. C		
MATERIAL RETAINING RING D1400-25 FINISH N/A			DRAWN	01-09-02			
			CHECKED	XX-XX-XX			
			RESP ENG	XX-XX-XX			
			MFG ENG	XX-XX-XX			
DO NOT SCALE DRAWING			QUAL ENG	XX-XX-XX	SCALE 2:1 CAD FILE: SHEET 1 OF		

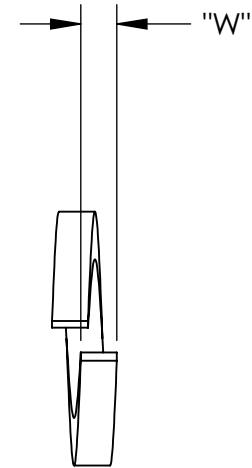
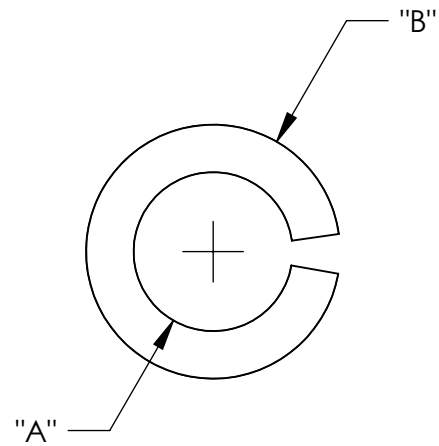
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF OCTANE FITNESS. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF OCTANE FITNESS IS PROHIBITED.

NOTES: UNLESS OTHERWISE SPECIFIED

1. MANUFACTURE IN ACCORDANCE WITH DIN 127 B  UNLESS OTHERWISE SPECIFIED.
2. REMOVE ALL SHARP EDGES AND BURRS.
3. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLES AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
4. SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2002/95/EC, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).

DASH NO.	NOMINAL WASHER SIZE	"A" INSIDE DIAMETER		"B" OUTSIDE DIAMETER	"W" SECTION WIDTH
		MIN.	MAX.	MAX	MIN
-004	M3	3.1	3.4	6.2	0.80
-005	M4	4.1	4.4	7.6	0.90
-006	M5	5.1	5.4	9.2	1.10
-007	M6	6.1	6.5	9.9	1.50
-008	M8	8.1	8.5	14.8	1.90
-009	M10	10.2	10.7	18.1	2.10
-010	M12	12.2	12.7	21.1	2.30

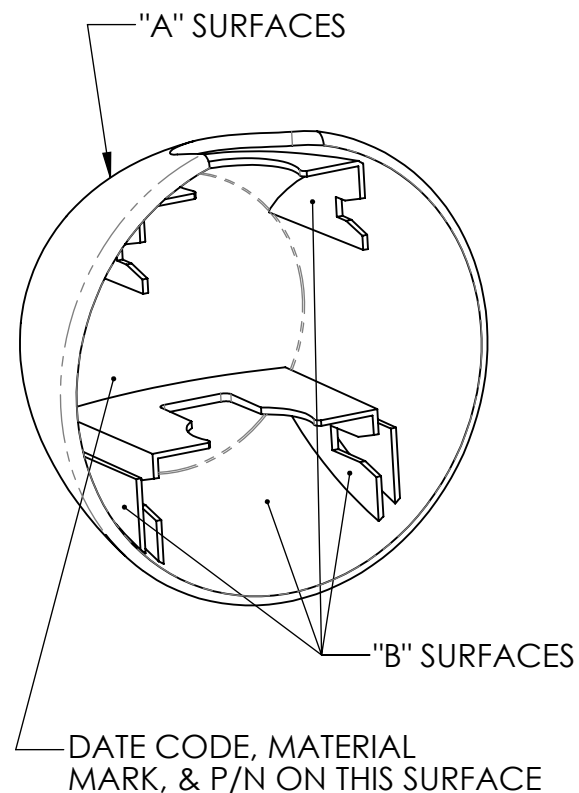
REV	DESCRIPTION	ECO #	DATE	ENG
A	PRODUCTION RELEASE	--	7/7/03	MMK
B	MODIFIED DIMENSIONS FOR -07 (M6)	100	12/13/2005	BHG
C	ADD RoHS NOTE	205	6/2/06	LJH
D	NOTE 1: CHANGED FROM ANSI TO DIN. MATERIAL CHANGED FROM STEEL TO SPRING STEEL	001-0-015903	1/11/2018	MRN



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE		<u>OCTANE FITNESS</u> <i>Fuel Your Life</i>	
TOLERANCES ARE:					
FRACTIONS	DECIMALS	ANGLES	PART DESCRIPTION		
+	.X ± 0.6	$\pm 0.5^\circ$			
	.XX ± 0.2				
	.XXX ± 0.1				
MATERIAL		APPROVALS		LOCK WASHERS	
SPRING STEEL		DATE			
		DRAWN			
		M. KINYON	07-07-03		
		CHECKED			
		RESP ENG			
		MFG ENG			
FINISH		---		XX-XX-XX	
BLACK ZINC PLATE		---		XX-XX-XX	
DO NOT SCALE DRAWING		QUAL ENG			
		---		XX-XX-XX	
		SIZE		DWG. NO.	
		B		950052-000	
		SCALE: 4:1		CAD FILE:	
				SHEET 1 OF 1	

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY
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THE WRITTEN PERMISSION OF OCTANE FITNESS IS PROHIBITED.

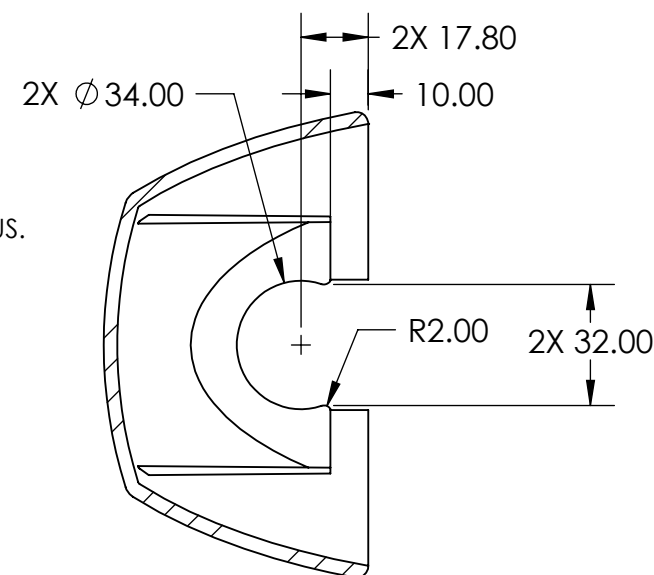
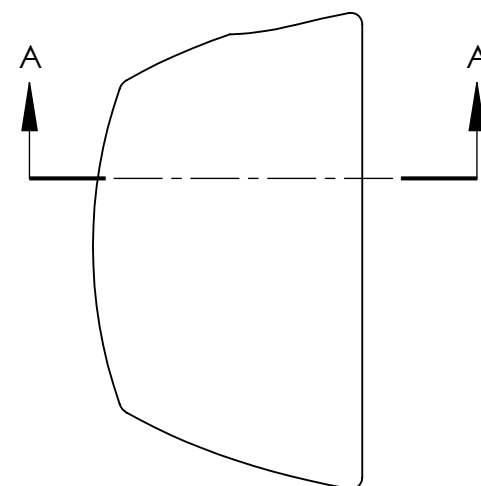
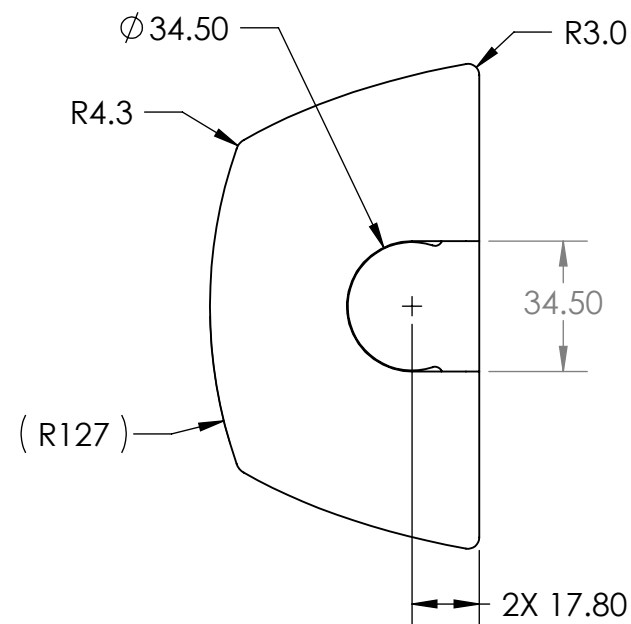
ECO	REV	REV DESCRIPTION	APPROVED	DATE
003051	A	PRODUCTION RELEASE	C.CHENG	11/30/2018



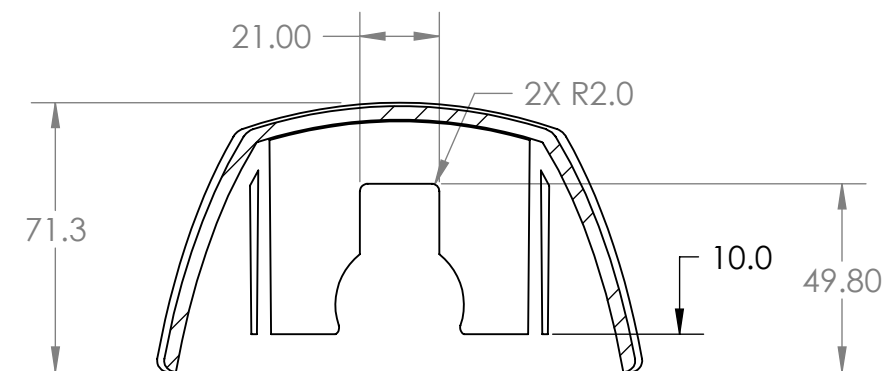
NOTES:

UNLESS OTHERWISE SPECIFIED

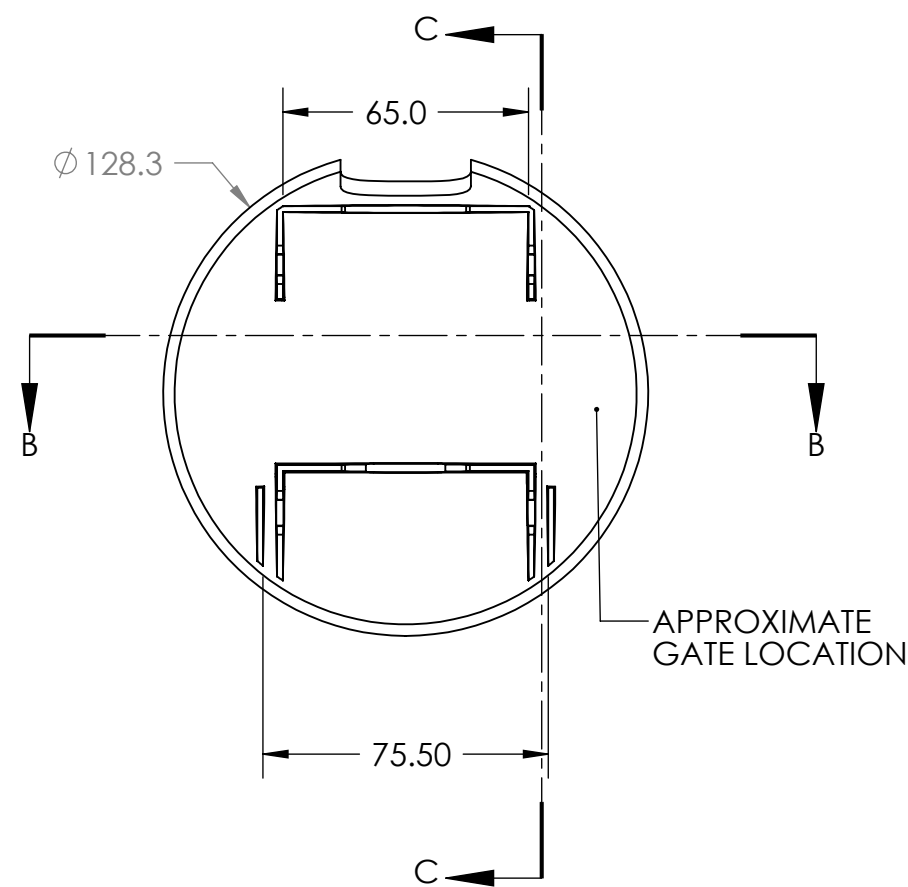
1. MATERIAL: ABS OR OCTANE APPROVED EQUIVALENT.
 - a. FORMOSA CHEMICAL & FIBRE CORP. AF3500.
2. FINISH: MT11030 TEXTURE ON "A" SURFACES.
NO TEXTURE ON "B" SURFACES.
3. STANDARD DRAFT TO BE 1°.
4. ALL CORNERS MODELED AS SHARP SHALL HAVE A 0.5MM RADIUS.
5. + INDICATES PLUS DRAFT TO INCREASE DIMENSION.
6. - INDICATES MINUS DRAFT TO DECREASE DIMENSION.
7. MAXIMUM FLASH AND GATES NOT TO EXCEED .15MM.
8. MAXIMUM PARTING LINE MISMATCH NOT TO EXCEED .15MM.
9. PART TO BE MOLDED TO SPEC. COOLING FIXTURES MAY BE REQUIRED TO HOLD DIMENSIONS AND SHAPE.
10. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLES AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
11. CAD GENERATED MODEL. ANY DIMENSIONS NOT ON THIS PRINT SHOULD BE EXTRACTED FROM THE CAD MODEL. CAD MODEL IS DRIVING DOCUMENT.
12. COLOR: NLS 433 DRK GRAY (8015158).
13. SUPPLIER MUST SUPPLY A TEST REPORT CONFIRMING PAH COMPLIANCE PER EN 1186ff CATEGORY 3.



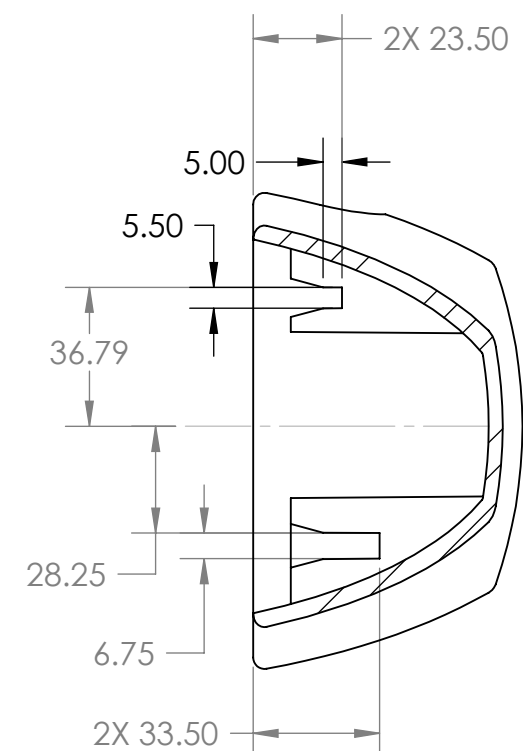
SECTION A-A



SECTION B-B



— APPROXIMATE
GATE LOCATION



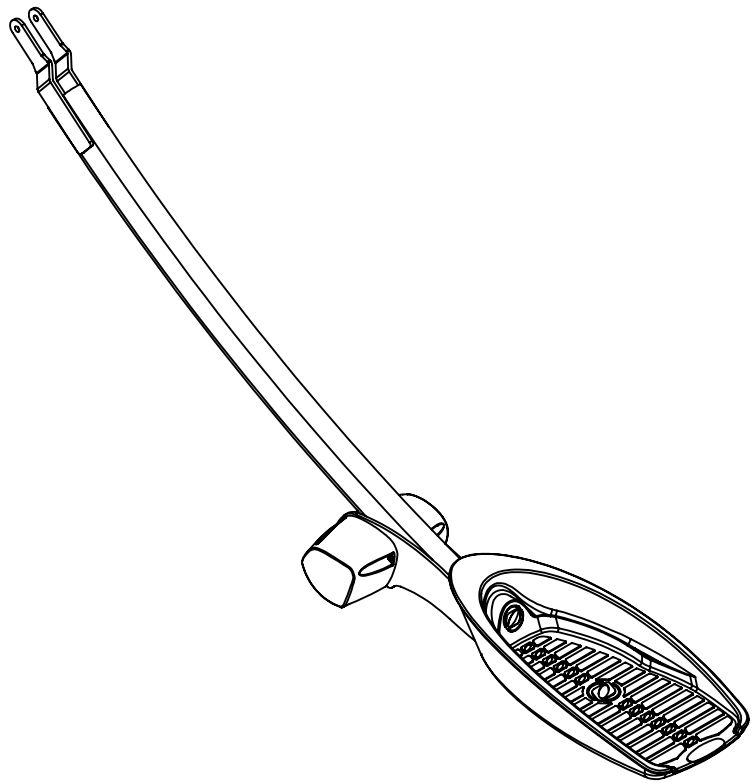
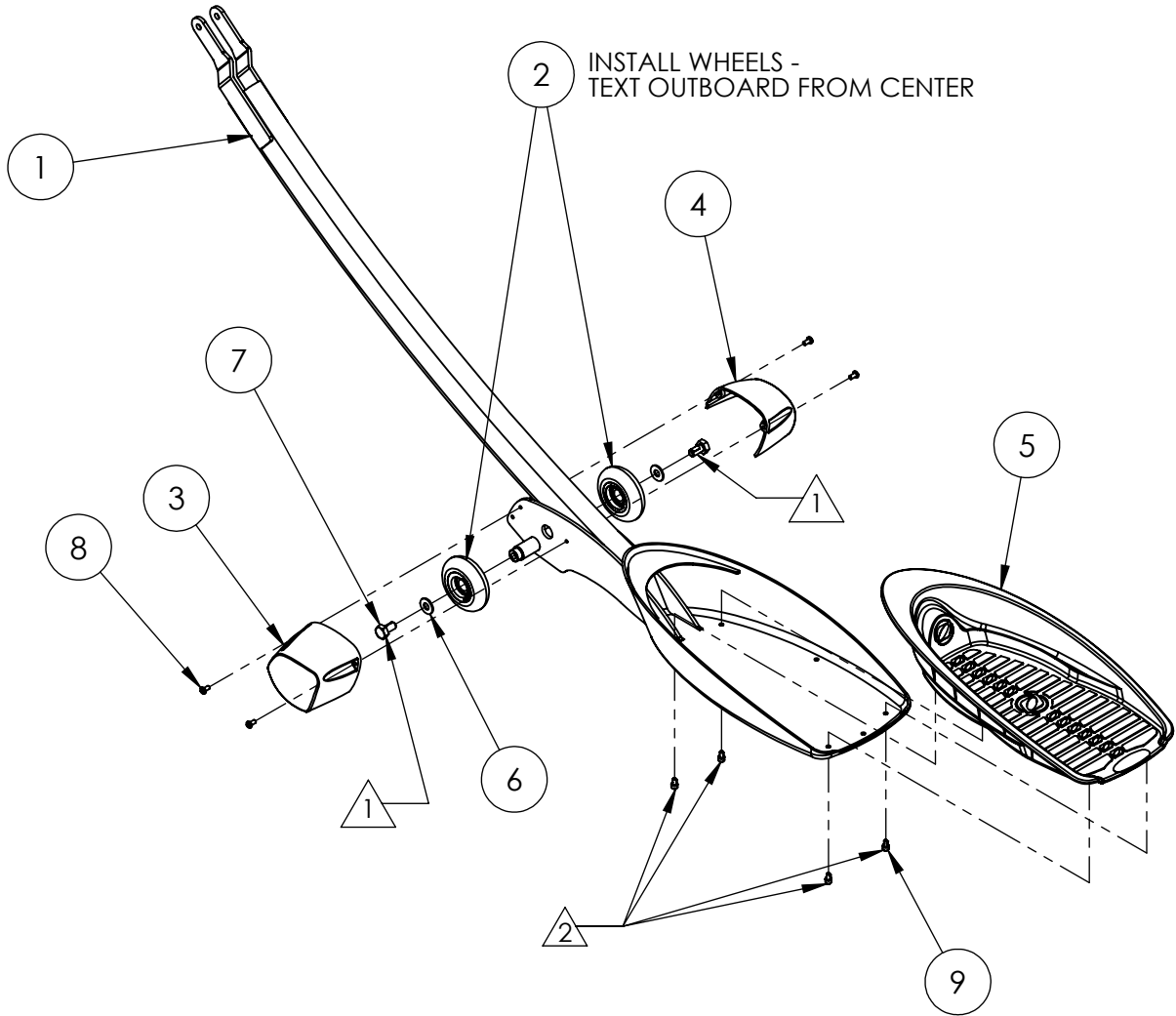
SECTION C-C

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: DECIMALS ANGLES .X ±0.6 ±0.5° .XX ±0.2 .XXX ±0.1		CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE		<i>OCTANE FITNESS</i> <i>Fuel Your Life</i>	
MATERIAL SEE NOTES		APPROVALS	DATE	PART DESCRIPTION COVER, HANDLE BAR, NO DUAL LOCK, DARK	
		DRAWN BHG	1/23/07		
		CHECKED ---	XX-XX-XX		
		RESP ENG ---	XX-XX-XX		
FINISH SEE NOTES		MFG ENG ---	XX-XX-XX	SIZE B	DWG. NO. 8020516
		QUAL ENG ---	XX-XX-XX	REV. A	
		SCALE 1:2 CAD FILE:			
DO NOT SCALE DRAWING		SHEET 1 OF 1			

8 7 6 5 4 3 2 1

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ECO	REV	REV DESCRIPTION	APPROVED	DATE
0031110	A	PRODUCTION RELEASE	C.CHENG	1/2/2019



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	8022104	WLDMT, BRACED PEDAL LEVER, LH, DARK	1
2	103717-001	ASSEMBLY, CONVEX WHEEL	2
3	8022105	SHROUD, LEFT WHEEL COVER, DARK	1
4	8022106	SHROUD, RIGHT WHEEL COVER, DARK	1
5	8020508	PEDAL, PLASTIC, DARK	1
6	100717-001	10 X 23 X 2, STEEL, CZ	2
7	100716-001	BOLT, M10 X 1.5 X 20, HEX HEAD, GR 8.8, CZ	2
8	102135-001	SCREW, M5 X 0.8 X 10, PAN HEAD, TYPE 1 CROSS RECESSED, SS	4
9	101298-001	SCREW, M5 X 0.8 X 10.0L SHCS, BLACK ZINC, 12.9 STL, SPRING WASHER	4

NOTES:



TORQUE FASTENER TO 45 N-M (33 FT-LBS)



TORQUE FASTENER TO 5 N-M (45 IN-LBS)

3.

OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLE AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.

4.

SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2011/65/EU, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN
MILLIMETERS

TOLERANCES ARE:

DECIMALS ANGLES
.X ±0.6 ±0.5°
.XX ±0.20
.XXX ±0.100

APPROVALS	DATE
DRAWN BY REF	11/26/2008

OCTANE FITNESS
Fuel Your Life

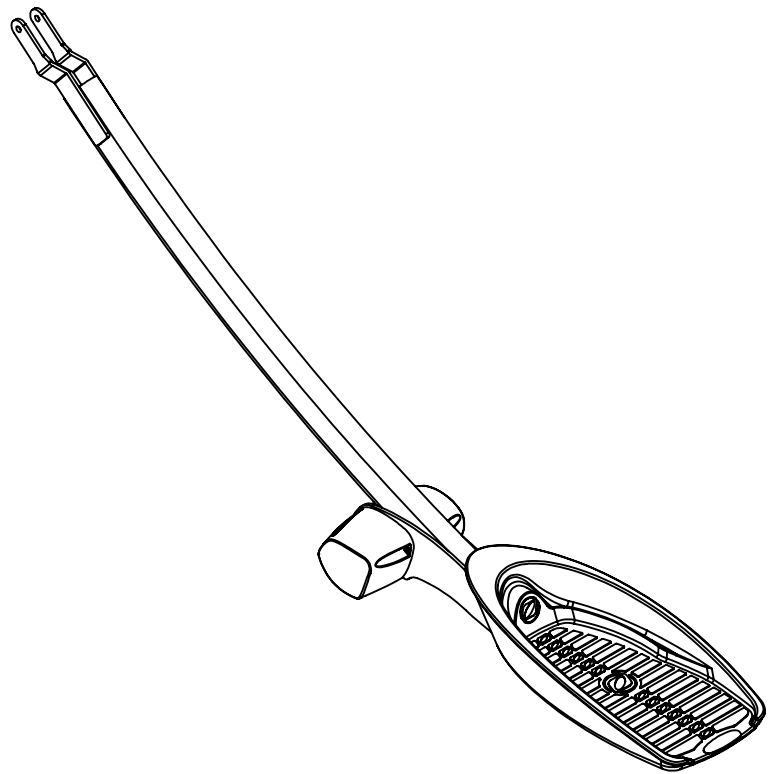
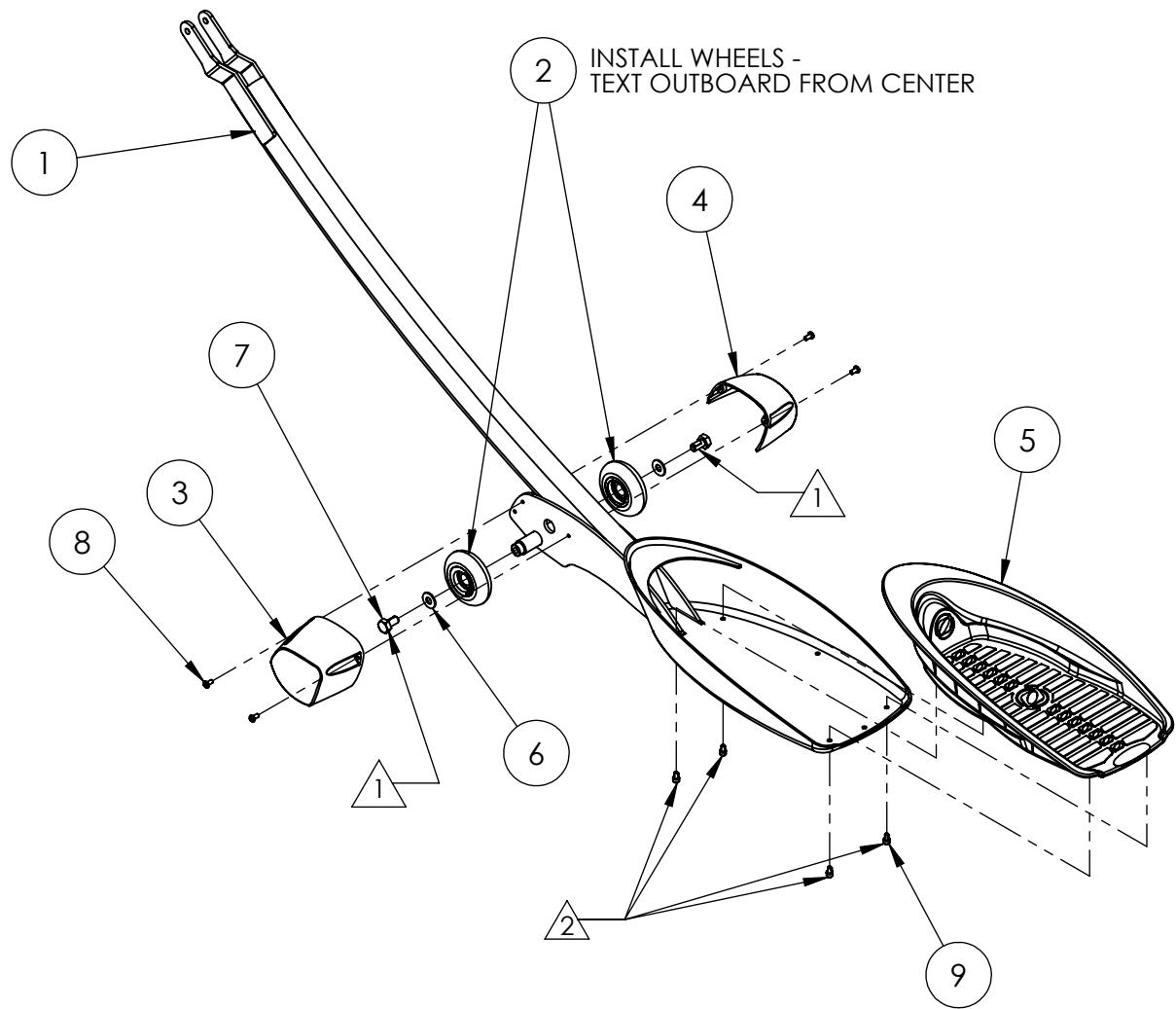
PART DESCRIPTION
SUB ASSY, BRACED PEDAL LEVER,
LH, DARK

SIZE B	DWG. NO. 8022103	REV. A
SCALE 1:10	DO NOT SCALE DRAWING	SHEET 1 OF 1

8 7 6 5 4 3 2 1

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ECO	REV	REV DESCRIPTION	APPROVED	DATE
003110	A	PRODUCTION RELEASE	C.CHENG	1/2/2019



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	8022108	WLDMT, BRACED PEDAL LEVER, RH, DARK	1
2	103717-001	ASSEMBLY, CONVEX WHEEL	2
3	8022105	SHROUD, LEFT WHEEL COVER, DARK	1
4	8022106	SHROUD, RIGHT WHEEL COVER, DARK	1
5	8020508	PEDAL, PLASTIC, DARK	1
6	100717-001	10 X 23 X 2, STEEL, CZ	2
7	100716-001	BOLT, M10 X 1.5 X 20, HEX HEAD, GR 8.8, CZ	2
8	102135-001	SCREW, M5 X 0.8 X 10, PAN HEAD, TYPE 1 CROSS RECESSED, SS	4
9	101298-001	SCREW, M5 X 0.8 X 10.0L SHCS, BLACK ZINC, 12.9 STL, SPRING WASHER	4

NOTES:



TORQUE FASTENER TO 45 N-M (33 FT-LBS)



TORQUE FASTENER TO 5 N-M (45 IN-LBS)

3.

OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLE AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.

4.

SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2011/65/EU, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN
MILLIMETERS

TOLERANCES ARE:

DECIMALS

.X ±0.6

.XX ±0.20

.XXX ±0.100

ANGLES

±0.5°

OCTANE FITNESS
Fuel Your Life

PART DESCRIPTION

SUB ASSY, BRACED PEDAL LEVER,
RH, DARK

APPROVALS

DRAWN BY
REF

DATE

11/26/2008

SIZE
B

DWG. NO.

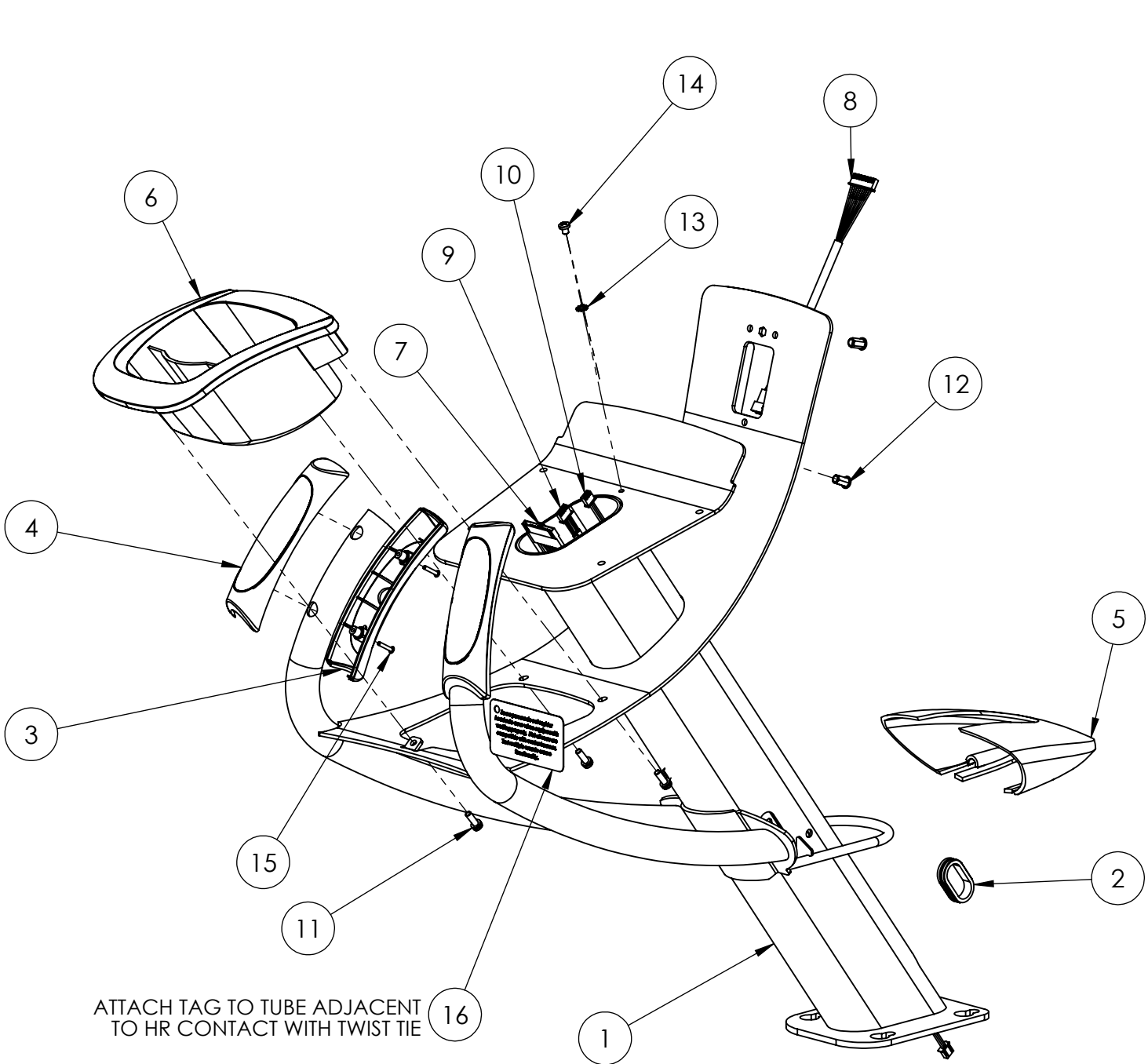
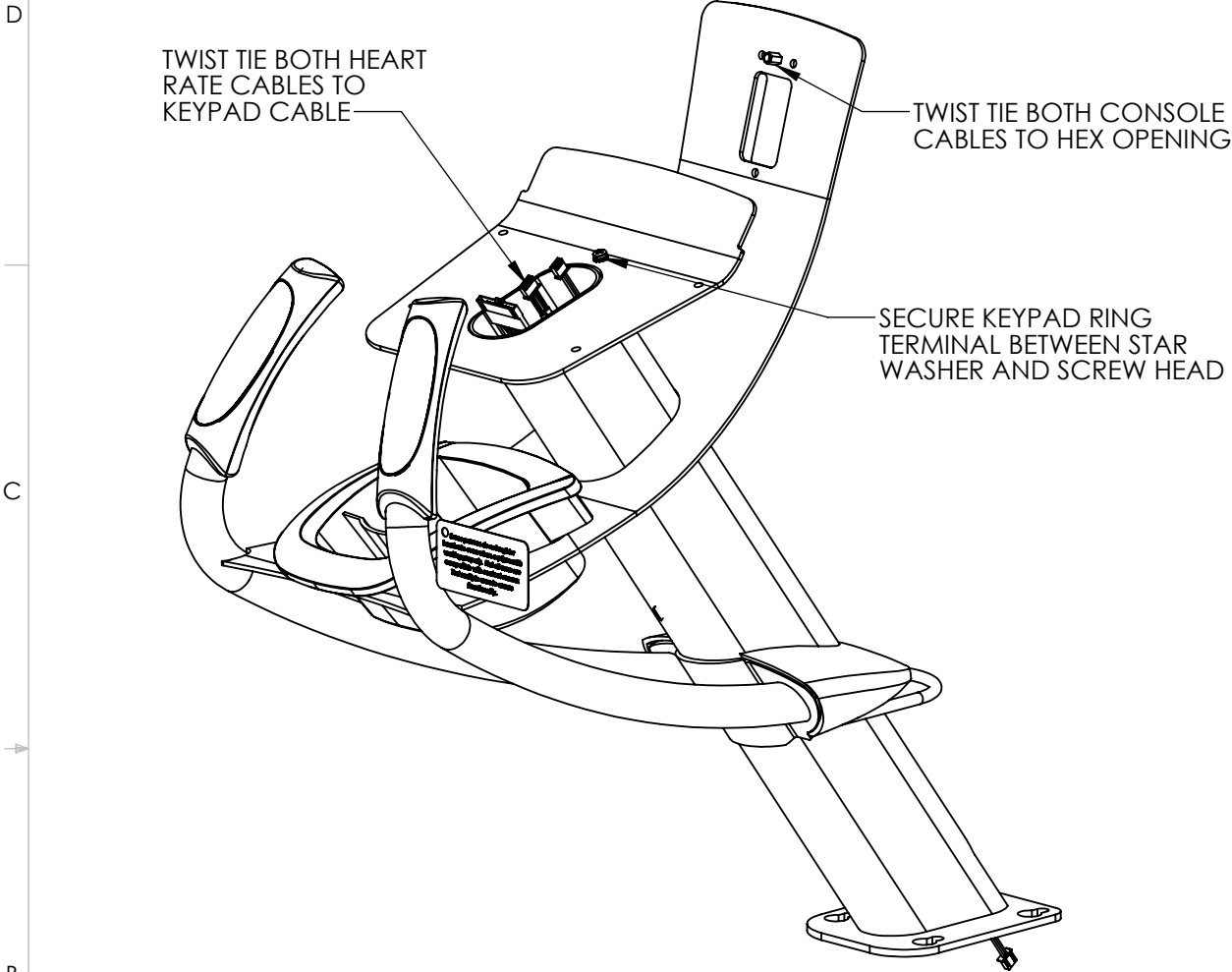
8022107

REV.
A

SCALE 1:10

DO NOT SCALE DRAWING

SHEET 1 OF 1



ATTACH TAG TO TUBE ADJACENT TO HR CONTACT WITH TWIST TIE

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	8022112	WELDMENT, CONSOLE MAST, DARK	1
2	101595-001	GROMMET, 44 X 24	2
3	8020482	GRIP, HEART RATE, SECONDARY, DARK	2
4	8020481	GRIP, HEART RATE, PRIMARY, DARK	2
5	8022113	SHROUD, COVER MAST CABLES, DARK	1
6	8022114	SHROUD, WATER BOTTLE HOLDER, DARK	1
7	100896-001	CABLE ASSEMBLY, KEYPAD-CONSOLE	1
8	106643-001	CABLE ASSEMBLY, MAST	1
9	104170-001	CABLE ASSEMBLY, CONTACTS, HR GRIP	1
10	102913-001	CABLE ASSEMBLY, HR-CONSOLE, POLAR	1
11	104490-001	SCREW, M5 X 0.8 X 16, PAN HEAD, TYPE 1 CROSS RECESSED, BZ, SPRING WSHR-FLAT WSHR	3
12	900031-002	RIVNUT, BRASS, M5 X 0.8	2
13	101014-001	WASHER, M5, EXTERNAL TOOTH, STEEL, CZ	1
14	101013-001	SCREW, M5 X 0.8 X 6, PAN HEAD, TYPE 1 CROSS RECESSED, CZ	1
15	101881-001	SCREW, M3 X 0.5 X 16 BHCS, SS	4
16	105679-001	TAG, HR CONTACT SERVICE	1

NOTES:

- OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLE AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
- SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2011/65/EU, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN
MILLIMETERS

TOLERANCES ARE:

DECIMALS	ANGLES
.X ±0.6	±0.5°
.XX ±0.20	
.XXX ±0.100	

APPROVALS

DRAWN BY

NRL

DATE

12/12/2008

SIZE

B

DWG. NO.

8022111

REV.

A

OCTANE FITNESS

Fuel Your Life

PART DESCRIPTION

SUB ASSY, CONSOLE MAST, DARK

SCALE 1:5

DO NOT SCALE DRAWING

SHEET 1 OF 1

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF OCTANE FITNESS. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF OCTANE FITNESS IS PROHIBITED.

ECO	REV	REV DESCRIPTION	APPROVED	DATE
003110	A	PRODUCTION RELEASE	C.CHENG	1/3/2019

DRIP MARK ALLOWED
ON THIS SURFACE ONLY

Ø 36.0±1.0

Ø 40.0±1.0

Ø 40.0±1.0

Ø 36.0±1.0

- NOTES:
- GRIP MATERIAL: NLS PROCESS BLACK (8015159) PLASTISOL (SOFTENED PVC)
HARDNESS: 75 +/- 5 SHORE A
TENSILE STRENGTH: 1500 PSI MINIMUM
TEAR STRENGTH: 200 LBS/IN. MINIMUM
GRIP SURFACE: TEXTURED MATTE.
GRIP SHALL NOT HAVE ANY DRIP LINES.
 - OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLES AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
 - SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2011/65/EU, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).
 - SUPPLIER MUST SUPPLY A TEST REPORT CONFIRMING PAH COMPLIANCE PER EN 1186ff CATEGORY 2.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	8022116	WELDMENT, MOVING ARM, RH, DARK	1
2	100327-001	LABEL, RIGHT SIDE INDICATOR	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: DECIMALS ANGLES .XX ±0.2 ±0.5° .XXX ±0.1		CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE		<i>OCTANE FITNESS</i> <i>Fuel Your Life</i> PART DESCRIPTION SUB ASSY, MOVING ARM, RH, DARK				
		APPROVALS	DATE					
MATERIAL	DRAWN	REF	11/19/08					
	CHECKED	----	XX-XX-XX					
	RESP ENG	----	XX-XX-XX					
	FINISH	MFG ENG	----	XX-XX-XX				
SEE NOTES		QUAL ENG	----	XX-XX-XX	SIZE B	DWG. NO.	8022115	REV. A
		DO NOT SCALE DRAWING		SCALE 1:5	CAD FILE:		SHEET 1 OF 1	

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF OCTANE FITNESS. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF OCTANE FITNESS IS PROHIBITED.

ECO	REV	REV DESCRIPTION	APPROVED	DATE
003110	A	PRODUCTION RELEASE	C.CHENG	1/3/2019

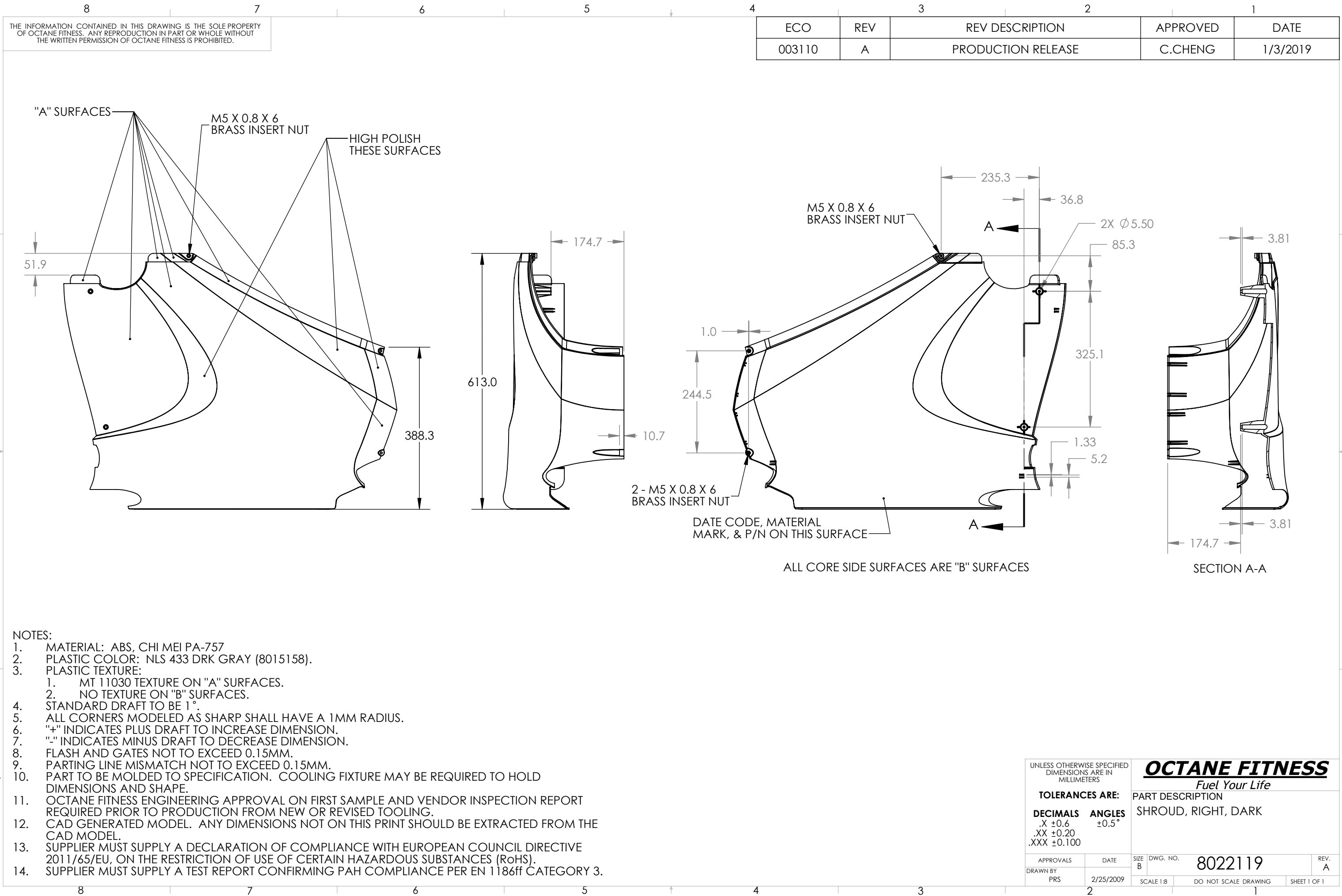
DRIP MARK ALLOWED
ON THIS SURFACE ONLY

$\phi 40.0 \pm 1.0$
 $\phi 36.0 \pm 1.0$
 $\phi 40.0 \pm 1.0$
 $\phi 36.0 \pm 1.0$

- NOTES:
- GRIP MATERIAL: NLS PROCESS BLACK (8015159) PLASTISOL (SOFTENED PVC)
HARDNESS: 75 +/- 5 SHORE A
TENSILE STRENGTH: 1500 PSI MINIMUM
TEAR STRENGTH: 200 LBS/IN. MINIMUM
GRIP SURFACE: TEXTURED MATTE.
 - GRIP SHALL NOT HAVE ANY DRIP LINES.
 - OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLES AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
 - SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2011/65/EU, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).
 - SUPPLIER MUST SUPPLY A TEST REPORT CONFIRMING PAH COMPLIANCE PER EN 1186ff CATEGORY 2.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	8022118	WELDMENT, MOVING ARM, LH, DARK	1
2	100326-001	LABEL, LEFT SIDE INDICATOR	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: DECIMALS ANGLES .X ±0.6 ° ±0.5* .XX ±0.2 .XXX ±0.1		CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE		OCTANE FITNESS <i>Fuel Your Life</i>	
MATERIAL SEE NOTES	FINISH SEE NOTES	APPROVALS	DATE	PART DESCRIPTION SUB ASSY, MOVING ARM, LH, DARK	
		DRAWN REF	11/20/08		
		CHECKED ---	XX-XX-XX		
		RESP ENG ---	XX-XX-XX		
DO NOT SCALE DRAWING		MFG ENG ---	XX-XX-XX	SIZE B	DWG. NO. 8022117
		QUAL ENG ---	XX-XX-XX	SCALE 1:5	CAD FILE: SHEET 1 OF 1



THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF OCTANE FITNESS. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF OCTANE FITNESS IS PROHIBITED.

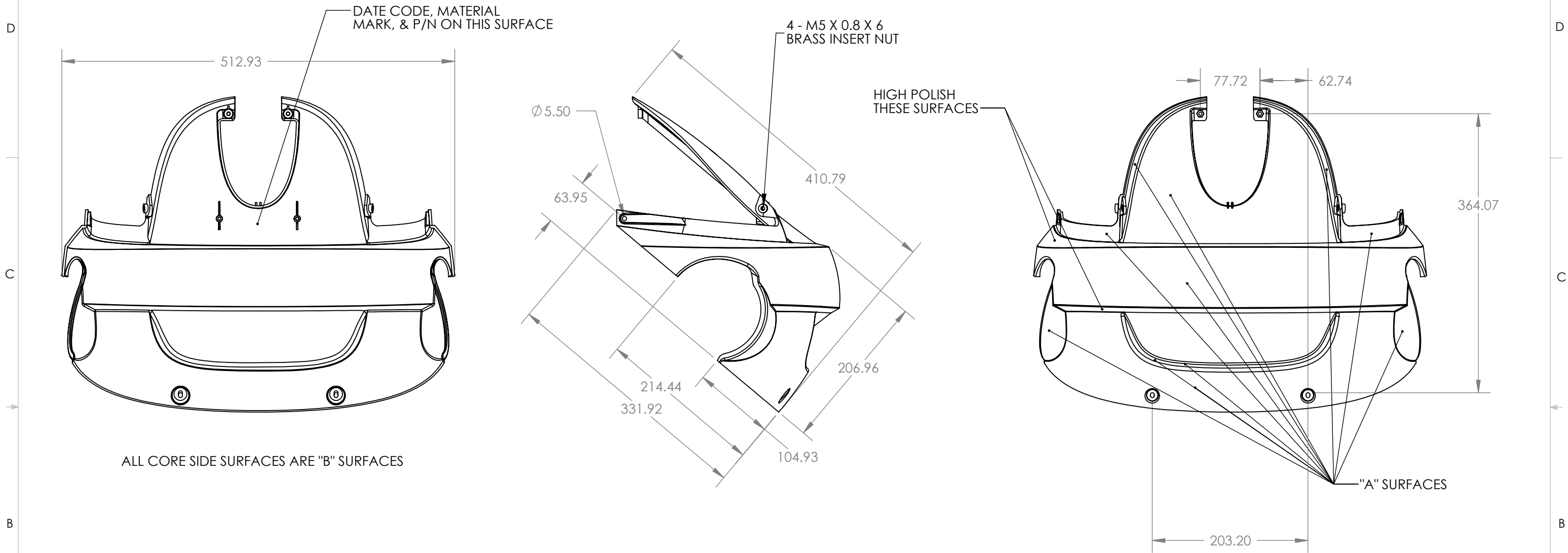
ECO	REV	REV DESCRIPTION	APPROVED	DATE
003110	A	PRODUCTION RELEASE	C.CHENG	1/3/2019

- NOTES:
1. MATERIAL: ABS, CHI MEI PA-757
 2. PLASTIC COLOR: NLS 433 DRK GRAY (8015158).
 3. PLASTIC TEXTURE:
 1. MT 11030 TEXTURE ON "A" SURFACES.
 2. NO TEXTURE ON "B" SURFACES.
 4. STANDARD DRAFT TO BE 1°.
 5. ALL CORNERS MODELED AS SHARP SHALL HAVE A 1MM RADIUS.
 6. "+" INDICATES PLUS DRAFT TO INCREASE DIMENSION.
 7. "-" INDICATES MINUS DRAFT TO DECREASE DIMENSION.
 8. FLASH AND GATES NOT TO EXCEED 0.15MM.
 9. PARTING LINE MISMATCH NOT TO EXCEED 0.15MM.
 10. PART TO BE MOLDED TO SPECIFICATION. COOLING FIXTURE MAY BE REQUIRED TO HOLD DIMENSIONS AND SHAPE.
 11. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLE AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
 12. CAD GENERATED MODEL. ANY DIMENSIONS NOT ON THIS PRINT SHOULD BE EXTRACTED FROM THE CAD MODEL.
 13. SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2011/65/EU, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).
 14. SUPPLIER MUST SUPPLY A TEST REPORT CONFIRMING PAH COMPLIANCE PER EN 1186ff CATEGORY 3.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		OCTANE FITNESS <i>Fuel Your Life</i>	
TOLERANCES ARE:		PART DESCRIPTION	
DECIMALS		SHROUD, RIGHT, DARK	
.X ±0.6			
.XX ±0.20			
.XXX ±0.100			
APPROVALS	DATE	SIZE	DWG. NO.
DRAWN BY		B	8022119
PRS	2/25/2009	SCALE 1:8	DO NOT SCALE DRAWING
		SHEET 1 OF 1	

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ECO	REV	REV DESCRIPTION	APPROVED	DATE
003110	A	PRODUCTION RELEASE	C.CHENG	1/3/2019



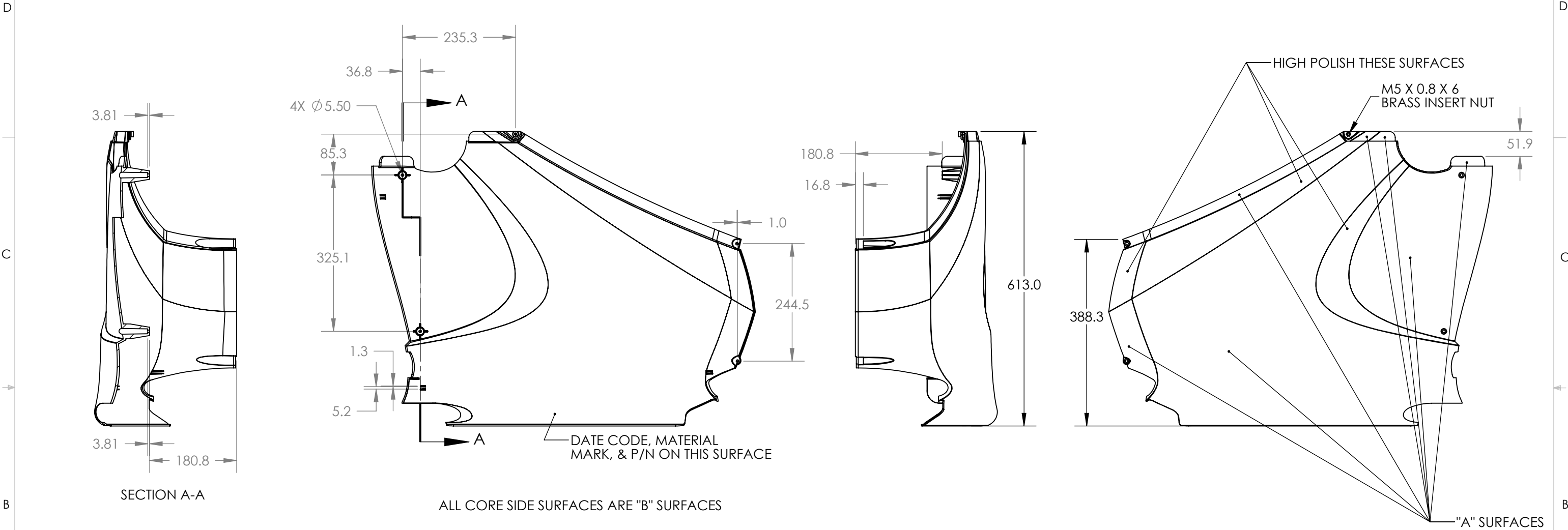
- NOTES:
1. MATERIAL: ABS, CHI MEI PA-757
 2. PLASTIC COLOR: NLS 433 DRK GRAY (8015158).
 3. PLASTIC TEXTURE:
 1. MT 11030 TEXTURE ON "A" SURFACES.
 2. NO TEXTURE ON "B" SURFACES.
 4. STANDARD DRAFT TO BE 1°.
 5. ALL CORNERS MODELED AS SHARP SHALL HAVE A 1MM RADIUS.
 6. "+" INDICATES PLUS DRAFT TO INCREASE DIMENSION.
 7. "-" INDICATES MINUS DRAFT TO DECREASE DIMENSION.
 8. FLASH AND GATES NOT TO EXCEED 0.15MM.
 9. PARTING LINE MISMATCH NOT TO EXCEED 0.15MM.
 10. PART TO BE MOLDED TO SPECIFICATION. COOLING FIXTURE MAY BE REQUIRED TO HOLD DIMENSIONS AND SHAPE.
 11. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLE AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
 12. CAD GENERATED MODEL. ANY DIMENSIONS NOT ON THIS PRINT SHOULD BE EXTRACTED FROM THE CAD MODEL.
 13. SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2011/65/EU, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).
 14. SUPPLIER MUST SUPPLY A TEST REPORT CONFIRMING PAH COMPLIANCE PER EN 1186ff CATEGORY 3.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		OCTANE FITNESS <i>Fuel Your Life</i>	
TOLERANCES ARE:		PART DESCRIPTION	
DECIMALS	ANGLES	SHROUD, ACCESS PANEL, DARK	
.X ±0.6	±0.5°		
.XX ±0.20			
.XXX ±0.100			
APPROVALS	DATE	SIZE	DWG. NO.
DRAWN BY		B	8022120
PRS	2/26/2009	SCALE 1:5	DO NOT SCALE DRAWING
		REV.	A
		SHEET 1 OF 1	

8 7 6 5 4 3 2 1

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ECO	REV	REV DESCRIPTION	APPROVED	DATE
003110	A	PRODUCTION RELEASE	C.CHENG	1/3/2019

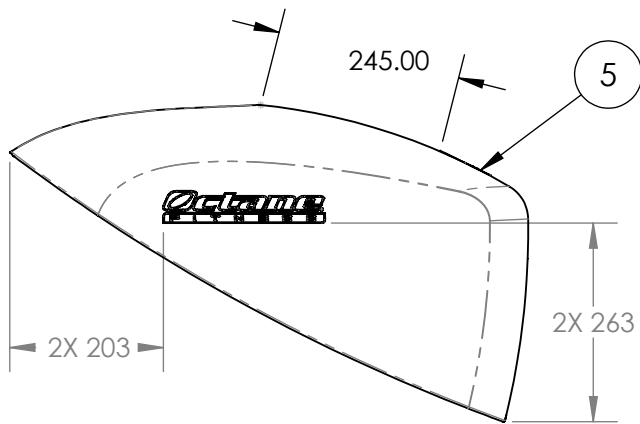
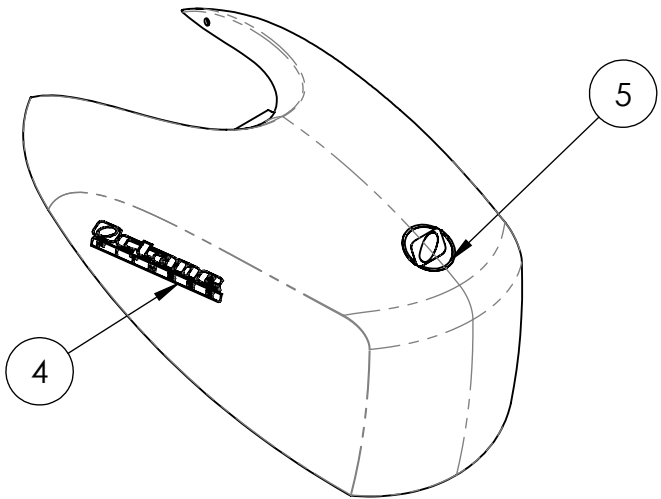
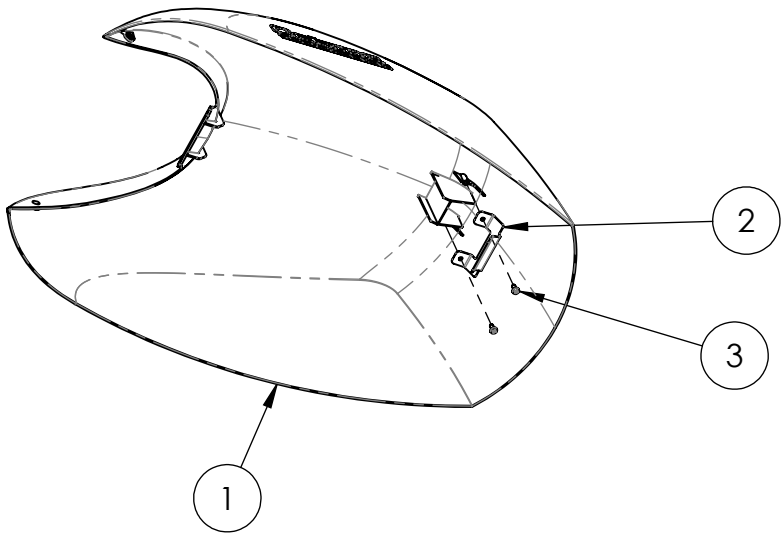


- NOTES:
1. MATERIAL: ABS, CHI MEI PA-757
 2. PLASTIC COLOR: NLS 433 DRK GRAY (8015158).
 3. PLASTIC TEXTURE:
 1. MT 11030 TEXTURE ON "A" SURFACES.
 2. NO TEXTURE ON "B" SURFACES.
 4. STANDARD DRAFT TO BE 1°.
 5. ALL CORNERS MODELED AS SHARP SHALL HAVE A 1MM RADIUS.
 6. "+" INDICATES PLUS DRAFT TO INCREASE DIMENSION.
 7. "-" INDICATES MINUS DRAFT TO DECREASE DIMENSION.
 8. FLASH AND GATES NOT TO EXCEED 0.15MM.
 9. PARTING LINE MISMATCH NOT TO EXCEED 0.15MM.
 10. PART TO BE MOLDED TO SPECIFICATION. COOLING FIXTURE MAY BE REQUIRED TO HOLD DIMENSIONS AND SHAPE.
 11. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLE AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
 12. CAD GENERATED MODEL. ANY DIMENSIONS NOT ON THIS PRINT SHOULD BE EXTRACTED FROM THE CAD MODEL.
 13. SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2011/65/EU, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).
 14. SUPPLIER MUST SUPPLY A TEST REPORT CONFIRMING PAH COMPLIANCE PER EN 1186ff CATEGORY 3.

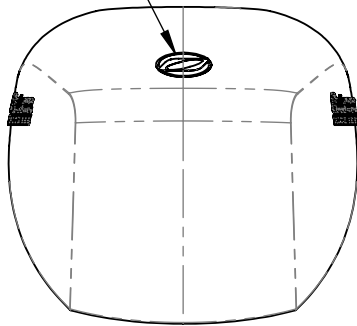
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		OCTANE FITNESS <i>Fuel Your Life</i>	
TOLERANCES ARE:		PART DESCRIPTION	
DECIMALS	ANGLES	SHROUD, LEFT, DARK	
.X ±0.6	±0.5°		
.XX ±0.20			
.XXX ±0.100			
APPROVALS	DATE	SIZE	DWG. NO.
DRAWN BY		B	
PRS	2/26/2009		8022121
		SCALE 1:8	DO NOT SCALE DRAWING
		SHEET 1 OF 1	
		REV. A	

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ECO	REV	REV DESCRIPTION	APPROVED	DATE
003110	A	PRODUCTION RELEASE	C.CHENG	1/3/2019



LABEL CENTERED LEFT
TO RIGHT WITHIN +/- 1MM



ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	8022123	SHROUD, TOP, DARK	1
2	103949-001	BRACKET, TOP SHROUD HOLD DOWN	1
3	100429-001	SCREW, M4.8 X 1.6 X 13 TYPE B, TYPE 1 CROSS RECESS PAN HEAD, ST, BZ	2
4	110688-001	DECAL, OCTANE LOGO 8IN 428C	2
5	110689-001	DECAL, OCTANE BUG LOGO, 3IN 428C	1

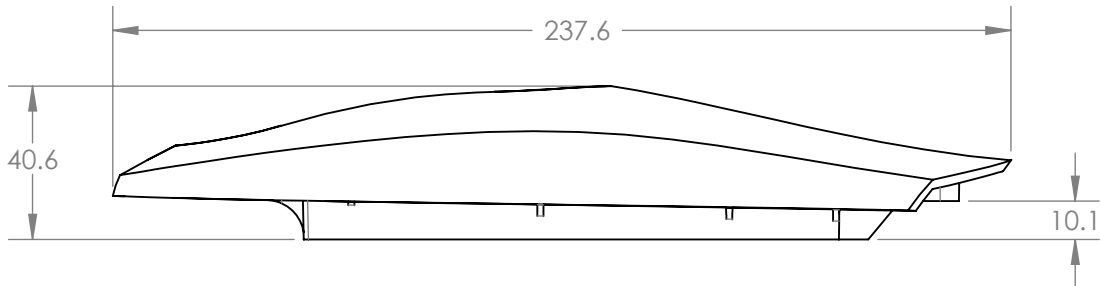
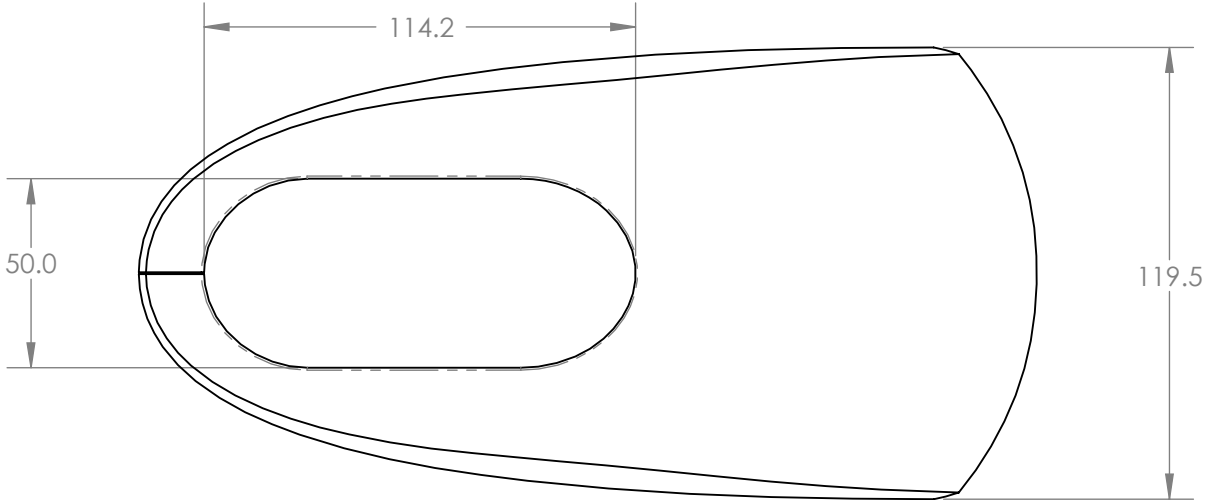
NOTES:

- OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLE AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
- SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2011/65/EU, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).

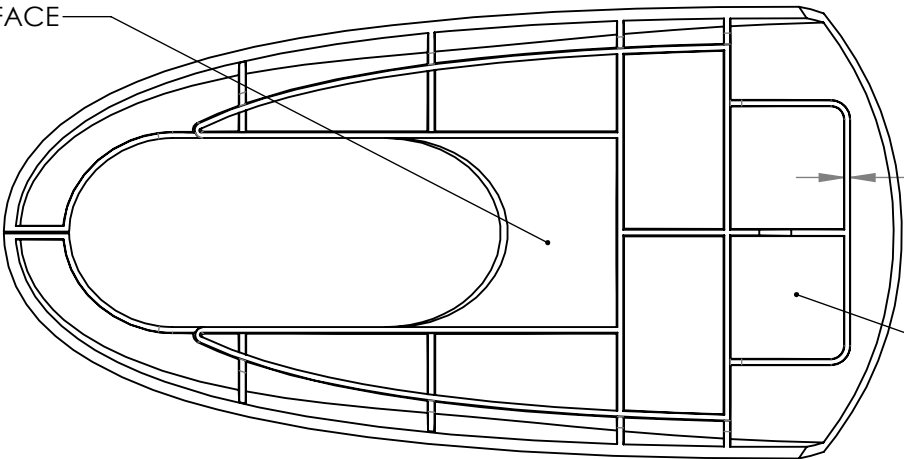
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		OCTANE FITNESS <i>Fuel Your Life</i>	
TOLERANCES ARE: DECIMALS ANGLES .X ±0.6 ±0.5° .XX ±0.20 .XXX ±0.100		PART DESCRIPTION SUB ASSY, TOP SHROUD, DARK	
APPROVALS DRAWN BY NRL	DATE 2/24/2009	SIZE B DWG. NO. 8022122	REV. A
SCALE 1:10		DO NOT SCALE DRAWING	SHEET 1 OF 1

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF OCTANE FITNESS. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF OCTANE FITNESS IS PROHIBITED.

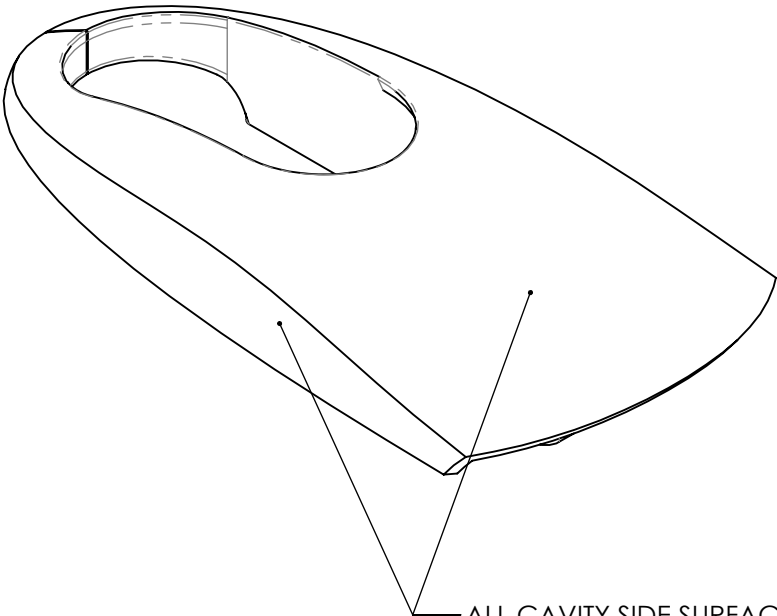
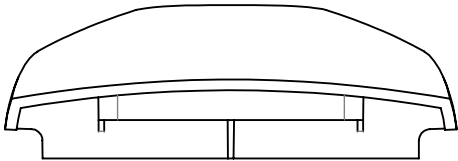
ECO	REV	REV DESCRIPTION	APPROVED	DATE
003110	A	PRODUCTION RELEASE	C.CHENG	1/3/2019



DATE CODE, MATERIAL
MARK, & P/N ON THIS SURFACE



CORE SIDE SURFACES
ARE ALL "B" SURFACES



ALL CAVITY SIDE SURFACES
ARE "A" SURFACES

NOTES:

1. MATERIAL: TPR, SHORE A 75-80, TAIWAN U-PELLET CO., LTD.
2. COLOR: NLS PROCESS BLACK (8015159).
3. FINISH: MT11030 TEXTURE ON "A" SURFACES.
SMOOTH TEXTURE ON "B" SURFACES
4. MAXIMUM FLASH AND GATES NOT TO EXCEED .15MM.
5. MAXIMUM PARTING LINE MISMATCH NOT TO EXCEED .15MM.
6. PART TO BE MOLDED TO SPEC. COOLING FIXTURES MAY BE REQUIRED TO HOLD DIMENSIONS AND SHAPE.
7. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLES AND VENDOR
INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
8. CAD GENERATED MODEL. ANY DIMENSIONS NOT ON THIS PRINT SHOULD BE EXTRACTED FROM
THE CAD MODEL. CAD MODEL IS DRIVING DOCUMENT.
9. SUPPLIER MUST SUPPLY A TEST REPORT CONFIRMING PAH COMPLIANCE PER EN 1186ff CATEGORY 3.
10. SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2011/65/EU,
ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		OCTANE FITNESS <i>Fuel Your Life</i>	
TOLERANCES ARE:		PART DESCRIPTION	
DECIMALS	ANGLES	COVER, MAST BOOT, DARK	
.X ±0.6	±0.5°		
.XX ±0.20			
.XXX ±0.100			
APPROVALS	DATE	SIZE	DWG. NO.
DRAWN BY		B	
NRL	2/27/2009		8022124
		SCALE 1:2	DO NOT SCALE DRAWING
		SHEET 1 OF 1	

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF OCTANE FITNESS. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF OCTANE FITNESS IS PROHIBITED.

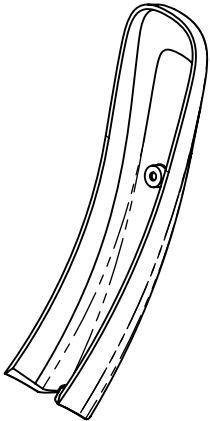
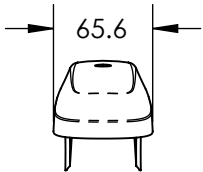
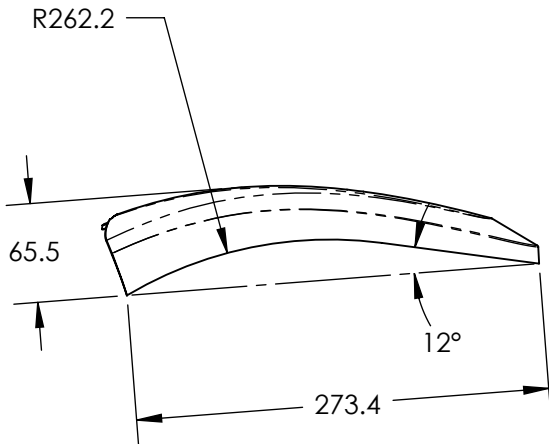
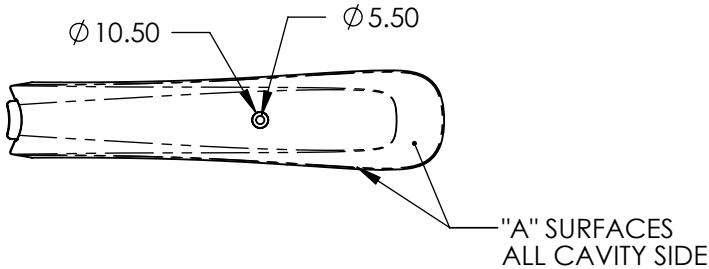
ECO	REV	REV DESCRIPTION	APPROVED	DATE
003110	A	PRODUCTION RELEASE	C.CHENG	1/3/2019
003346	B	ADDED MOLD TEXTURE TO "A" SURFACES	BHG	5/31/2019

D

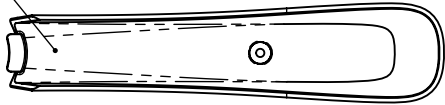
C

B

A



DATE CODE, MATERIAL MARK, & P/N ON THIS SURFACE



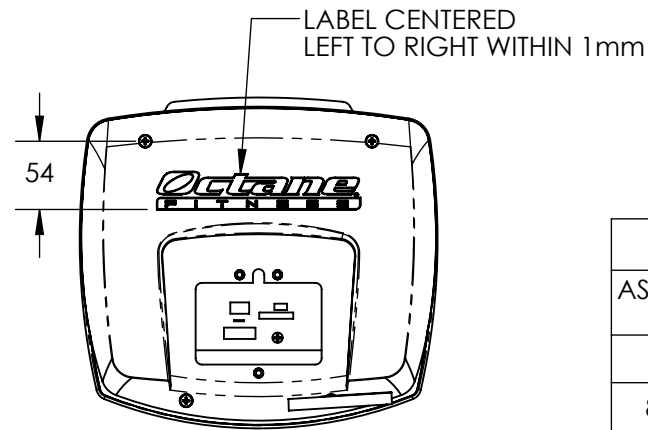
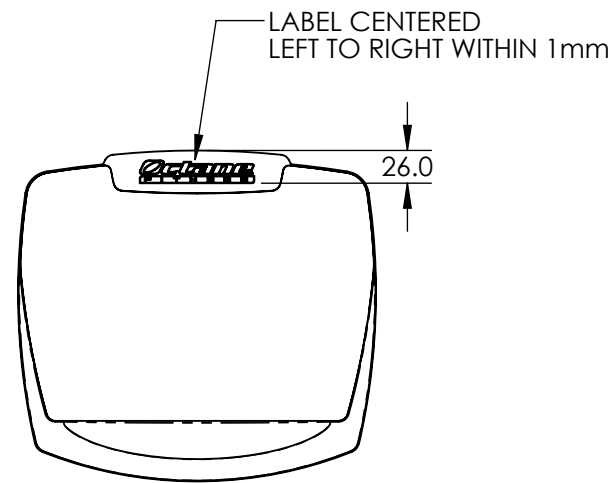
ALL CORE SIDE SURFACES ARE "B" SURFACES

- NOTES:
1. MATERIAL: ABS, CHI MEI PA-757
 2. PLASTIC COLOR: NLS 433 DRK GRAY (8015158)
 3. PLASTIC TEXTURE:
 1. MT 11020 TEXTURE ON "A" SURFACES. (B)
 2. NO TEXTURE ON "B" SURFACES.
 4. STANDARD DRAFT TO BE 1°.
 5. "+" INDICATES PLUS DRAFT TO INCREASE DIMENSION.
 6. "-" INDICATES MINUS DRAFT TO DECREASE DIMENSION.
 7. FLASH AND GATES NOT TO EXCEED 0.15MM.
 8. PARTING LINE MISMATCH NOT TO EXCEED 0.15MM.
 9. PART TO BE MOLDED TO SPECIFICATION. COOLING FIXTURE MAY BE REQUIRED TO HOLD DIMENSIONS AND SHAPE.
 10. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLE AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
 11. CAD GENERATED MODEL. ANY DIMENSIONS NOT ON THIS PRINT SHOULD BE EXTRACTED FROM THE CAD MODEL.
 12. SUPPLIER MUST SUPPLY A TEST REPORT CONFIRMING PAH COMPLIANCE PER EN 1186ff CATEGORY 3.

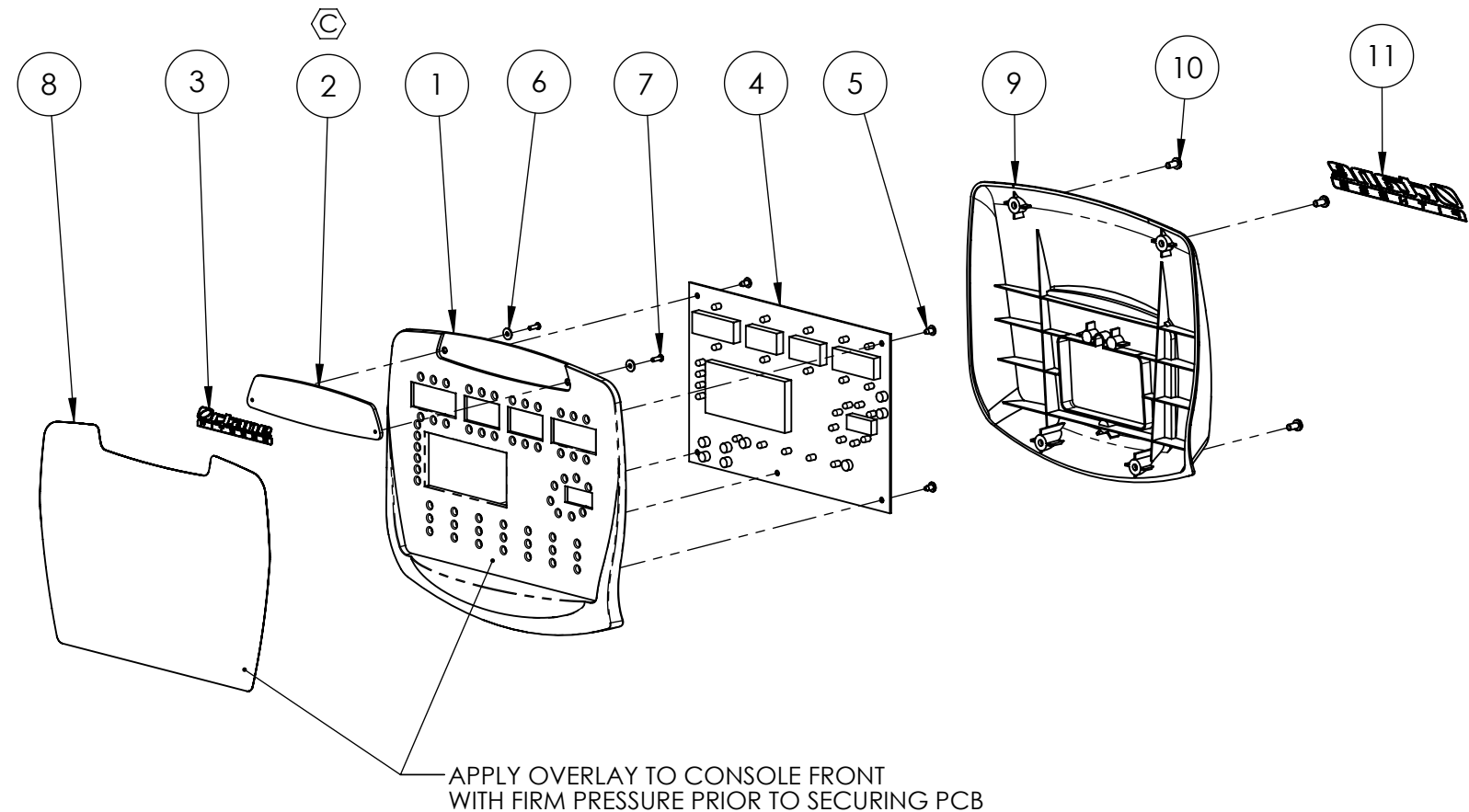
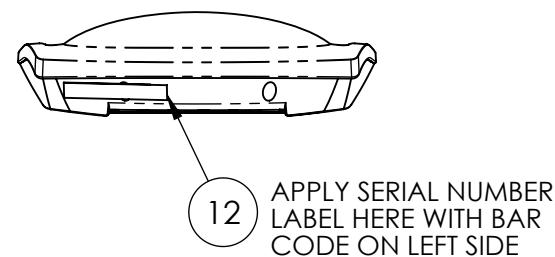
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		<i>OCTANE FITNESS</i> <i>Fuel Your Life</i>		
		PART DESCRIPTION COVER, CONSOLE ACCESS, DARK		
TOLERANCES ARE:				
DECIMALS		ANGLES		
.X ±0.6		±0.5°		
.XX ±0.20				
.XXX ±0.100				
APPROVALS	DATE	SIZE	DWG. NO.	REV.
DRAWN BY		B	8022125	B
NRL	4/14/2009	SCALE 1:5	DO NOT SCALE DRAWING	SHEET 1 OF 1

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THE WRITTEN PERMISSION OF OCTANE FITNESS IS PROHIBITED.

ECO	REV	REV DESCRIPTION	APPROVED	DATE
003110	A	PRODUCTION RELEASE	C.CHENG	1/4/2019
003260	B	ADDED TABLE VERSIONS	DF	4/5/2019
003346	C	CHANGED COLOR OF PLATE (ITEM 2)	BHG	5/30/2019



TABLE, VERSIONS OF KEYPAD OVERLAYS		
ASSEMBLY PART NUMBER	DESCRIPTION	BOM ITEM 8
8021743	SUB ASSY, PRO310, CONSOLE, DARK, ENG	8022127
8021743-04	SUB ASSY, PRO310, CONSOLE, DARK, LAS	8022127-04
8021743-06	SUB ASSY, PRO310, CONSOLE, DARK, BPO	8022127-06
8021743-09	SUB ASSY, PRO310, CONSOLE, DARK, CHN	8022127-09



ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	8022126	SHROUD, FRONT CONSOLE, DARK	1
2	8023359	PLATE, CONSOLE LOGO, DARK	1
3	8020524	DECAL, OCTANE LOGO, OUTLINE, 3.5", 428C	1
4	105565-001	CIRCUIT BOARD ASSY, PRO310 CNSL, INTL	1
5	100866-001	SCREW, M4.2 X 1.4 X 8 TYPE B, TYPE 1 CROSS RECESS PAN HEAD, ST, BZ	5
6	104167-001	WASHER, 3.5 X 10 X 1, STEEL, CZ	2
7	104166-001	SCREW, M3 X 0.5 X 10 BHCS, STEEL	2
8	SEE TABLE	SEE DRAWING	1
9	8022129	SHROUD, REAR CONSOLE, DARK	1
10	102135-001	SCREW, M5 X 0.8 X 10, PAN HEAD, TYPE 1 CROSS RECESSED, SS	4
11	8020123	DECAL, OCTANE LOGO, OUTLINE, 7", 428C	1
12	107972-001	LABEL, S/N CONSOLE WORLD WIDE	1

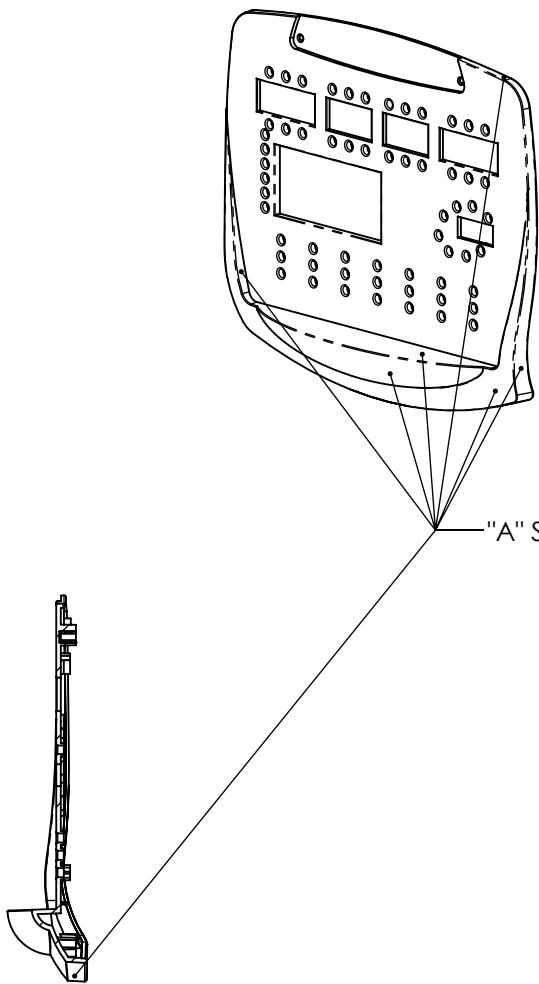
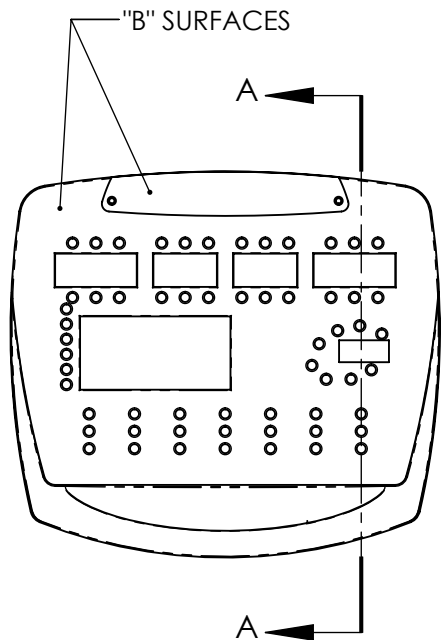
NOTES:

1. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLE AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.

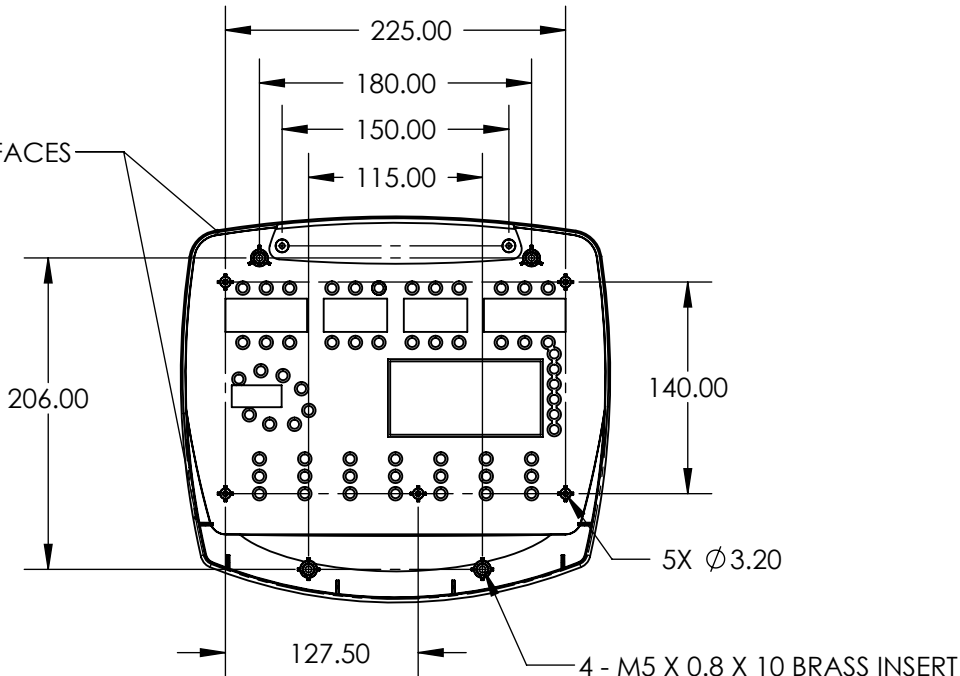
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		<u>OCTANE FITNESS</u> <i>Fuel Your Life</i>		
TOLERANCES ARE: DECIMALS .X ±0.6 .XX ±0.20 .XXX ±0.100 ANGLES ±0.5°		PART DESCRIPTION SEE TABLE		
APPROVALS	DATE	SIZE B	DWG. NO. 8021743	REV. C
DRAWN BY NRL	12/1/2009	SCALE 1:6	DO NOT SCALE DRAWING	SHEET 1 OF 1

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF OCTANE FITNESS. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF OCTANE FITNESS IS PROHIBITED.

ECO	REV	REV DESCRIPTION	APPROVED	DATE
003110	A	PRODUCTION RELEASE	C.CHENG	1/4/2019
003346	B	CHANGED PLASTIC COLOR	BHG	5/31/2019



SECTION A-A

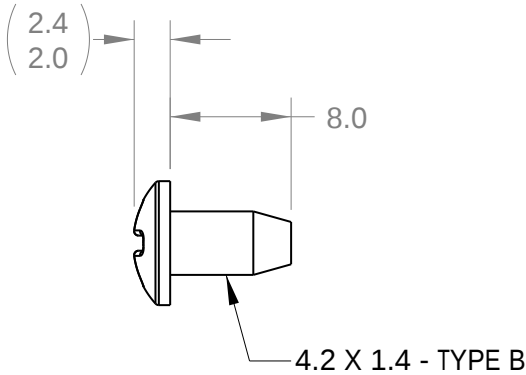
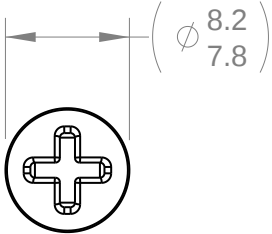


- NOTES:
1. MATERIAL: ABS, CHI MEI PA-757
 2. PLASTIC COLOR: OCTANE PMS 425C (8018506) (B)
 3. PLASTIC TEXTURE:
 1. MT 11030 TEXTURE ON "A" SURFACES.
 2. NO TEXTURE ON "B" SURFACES.
 4. STANDARD DRAFT TO BE 1°.
 5. ALL CORNERS MODELED AS SHARP SHALL HAVE A 1MM RADIUS.
 6. "+" INDICATES PLUS DRAFT TO INCREASE DIMENSION.
 7. "-" INDICATES MINUS DRAFT TO DECREASE DIMENSION.
 8. FLASH AND GATES NOT TO EXCEED 0.15MM.
 9. PARTING LINE MISMATCH NOT TO EXCEED 0.15MM.
 10. PART TO BE MOLDED TO SPECIFICATION. COOLING FIXTURE MAY BE REQUIRED TO HOLD DIMENSIONS AND SHAPE.
 11. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLE AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
 12. CAD GENERATED MODEL. ANY DIMENSIONS NOT ON THIS PRINT SHOULD BE EXTRACTED FROM THE CAD MODEL.
 13. SUPPLIER MUST SUPPLY A TEST REPORT CONFIRMING PAH COMPLIANCE PER EN 1186ff CATEGORY 3.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		OCTANE FITNESS <i>Fuel Your Life</i>	
		PART DESCRIPTION SHROUD, FRONT CONSOLE, DARK	
TOLERANCES ARE:			
DECIMALS		ANGLES	
.X ±0.6		±0.5°	
.XX ±0.20			
.XXX ±0.100			
APPROVALS	DATE	SIZE	DWG. NO.
DRAWN BY		B	
NRL	4/14/2009		8022126
		SCALE 1:5	DO NOT SCALE DRAWING
		SHEET 1 OF 1	

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF OCTANE FITNESS. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF OCTANE FITNESS IS PROHIBITED.

3		2		1	
REV	DESCRIPTION	ECO #	DATE	ENG	
3	THREAD WAS 4.8 X 1.6		3/13/2006	NRL	
A	PRODUCTION RELEASE	121	3/17/2006	NRL	



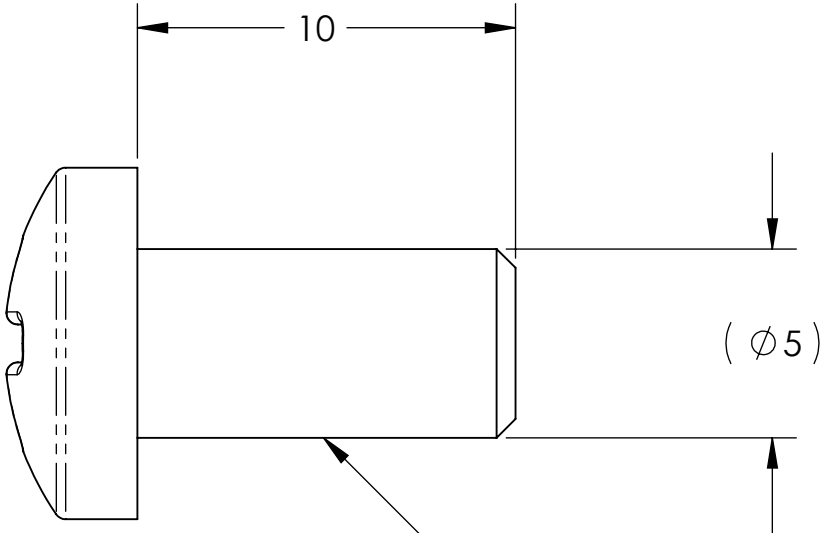
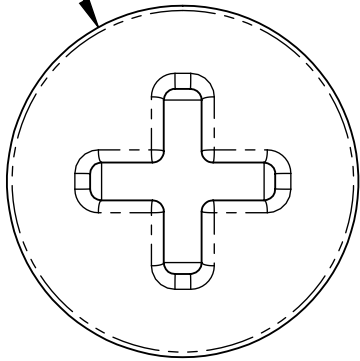
- NOTES:
1. MATERIAL: STEEL, CLASS 4.8
 2. FINISH: BLACK ZINC
 3. DRIVER: #2 PHILLIPS
 4. MANUFACTURE IN ACCORDANCE WITH ASME/ANSI B18.6.7M.
 5. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLES AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: DECIMALS ANGLES .X ±0.5 ±0.5° .XX ±0.2 .XXX ±0.1		CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE		<i>OCTANE FITNESS</i> <i>Fuel Your Life</i>	
		APPROVALS	DATE	PART DESCRIPTION	
DRAWN		NRL	12/9/05	SCREW, M4.2 X 1.4 X 8 TYPE B, TYPE 1 CROSS RECESS PAN HEAD, ST, BZ	
MATERIAL		CHECKED	XX-XX-XX	SIZE	DWG. NO.
FINISH		RESP ENG	XX-XX-XX	B	100866-001
DO NOT SCALE DRAWING		MFG ENG	XX-XX-XX	SCALE	2:1
		QUAL ENG	XX-XX-XX	CAD FILE:	SHEET 1 OF 1

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF OCTANE FITNESS. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF OCTANE FITNESS IS PROHIBITED.

REV	DESCRIPTION	ECO #	DATE	ENG
A	PRODUCTION RELEASE	001-00-014702	1/15/2008	NRL
B	ADD PAH NOTE	001-00-014772	7/9/2008	NRL
C	REMOVE PAH NOTE	001-00-014795	8/25/2008	NRL

(Ø 9.3)



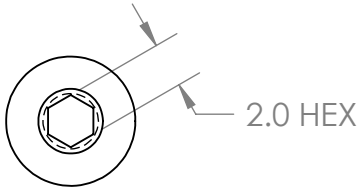
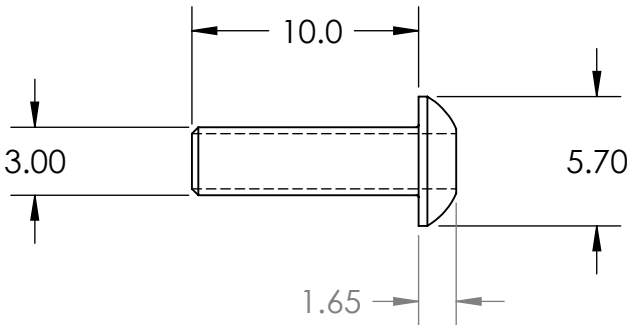
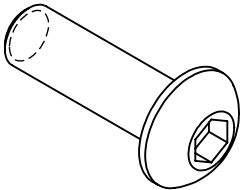
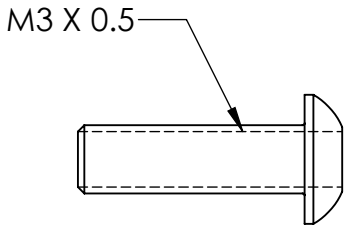
M5 X 0.8

- NOTES:
1. MATERIAL: STAINLESS STEEL ROD, CLASS 4.8
 2. FINISH: NONE
 3. DRIVER: #2 PHILLIPS
 4. MANUFACTURE IN ACCORDANCE WITH ASME/ANSI B18.6.7M.
 5. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLES AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
 6. SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2002/95/EC, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: DECIMALS ANGLES .X ±0.6 ° ±0.5* .XX ±0.2 .XXX ±0.1		CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE		<i>OCTANE FITNESS</i> <i>Fuel Your Life</i>	
		APPROVALS	DATE		
MATERIAL SEE NOTES	CHECKED ---- RESP ENG ----	DRAWN	3/15/2007	PART DESCRIPTION SCREW, M5 X 0.8 X 10, PAN HEAD, TYPE 1 CROSS RECESSED, SS	
		XX-XX-XX	XX-XX-XX		
		XX-XX-XX	XX-XX-XX		
FINISH SEE NOTES	MFG ENG ---	XX-XX-XX	XX-XX-XX	SIZE B	DWG. NO. 102135-001
DO NOT SCALE DRAWING	QUAL ENG ----	XX-XX-XX	XX-XX-XX	SCALE 5:1	CAD FILE: SHEET 1 OF 1

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF OCTANE FITNESS. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF OCTANE FITNESS IS PROHIBITED.

REV	DESCRIPTION	ECO #	DATE	ENG
1	INITIAL RELEASE		4/23/2009	NRL
A	PRODUCTION RELEASE	001-00-014894	7/1/2009	PRS

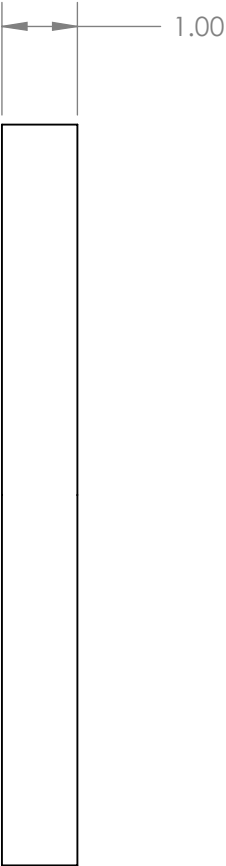
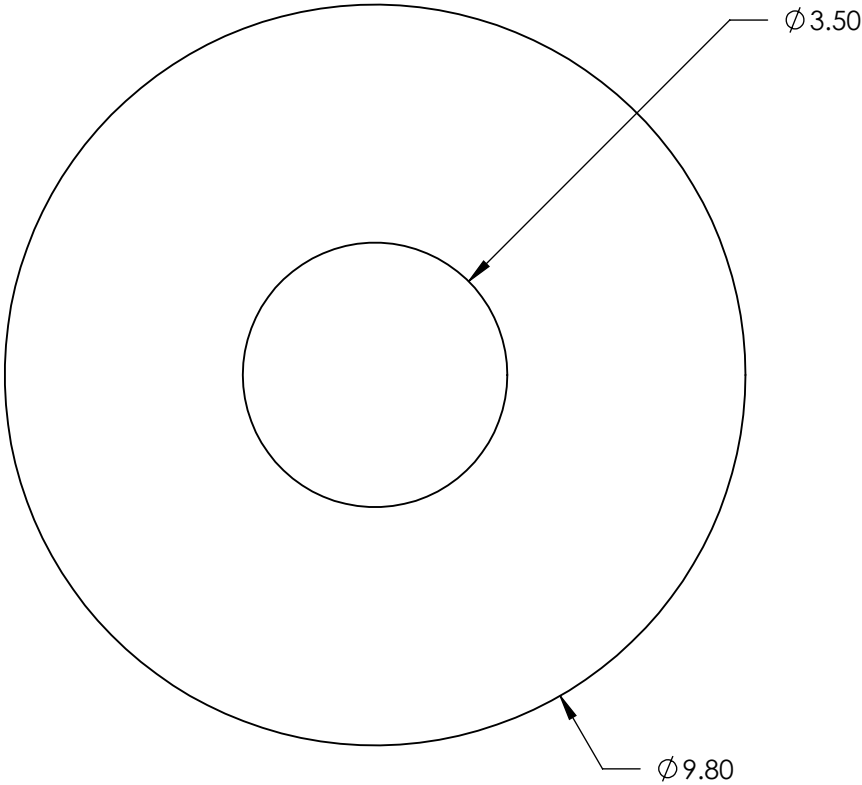


- NOTES:
1. MATERIAL: MEDIUM CARBON STEEL, CLASS 10.9, MINIMUM TENSILE 900MPa.
 2. REMOVE ALL BURRS AND SHARP EDGES.
 3. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLES AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
 4. SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2002/95/EC, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: DECIMALS ANGLES X ±0.6 ±0.5° .XX ±0.2 .XXX ±0.1		CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE		<i>OCTANE FITNESS</i> <i>Fuel Your Life</i>		
		APPROVALS	DATE			
MATERIAL	SEE NOTES	DRAWN NRL	3/20/2006	PART DESCRIPTION SCREW, M3 X 0.5 X 10 BHCS, STEEL		
		CHECKED ---	XX-XX-XX			
		RESP ENG ---	XX-XX-XX			
FINISH	SEE NOTES	MFG ENG ---	XX-XX-XX	SIZE B	DWG. NO. 104166-001	REV. A
		QUAL ENG ---	XX-XX-XX			
		DO NOT SCALE DRAWING			SCALE 3:1	CAD FILE:

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF OCTANE FITNESS. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF OCTANE FITNESS IS PROHIBITED.

REV	DESCRIPTION	ECN #	DATE	ENG
1	INITIAL RELEASE		4/24/2009	NRL
A	PRODUCTION RELEASE	001-00-014894	7/1/2009	PRS

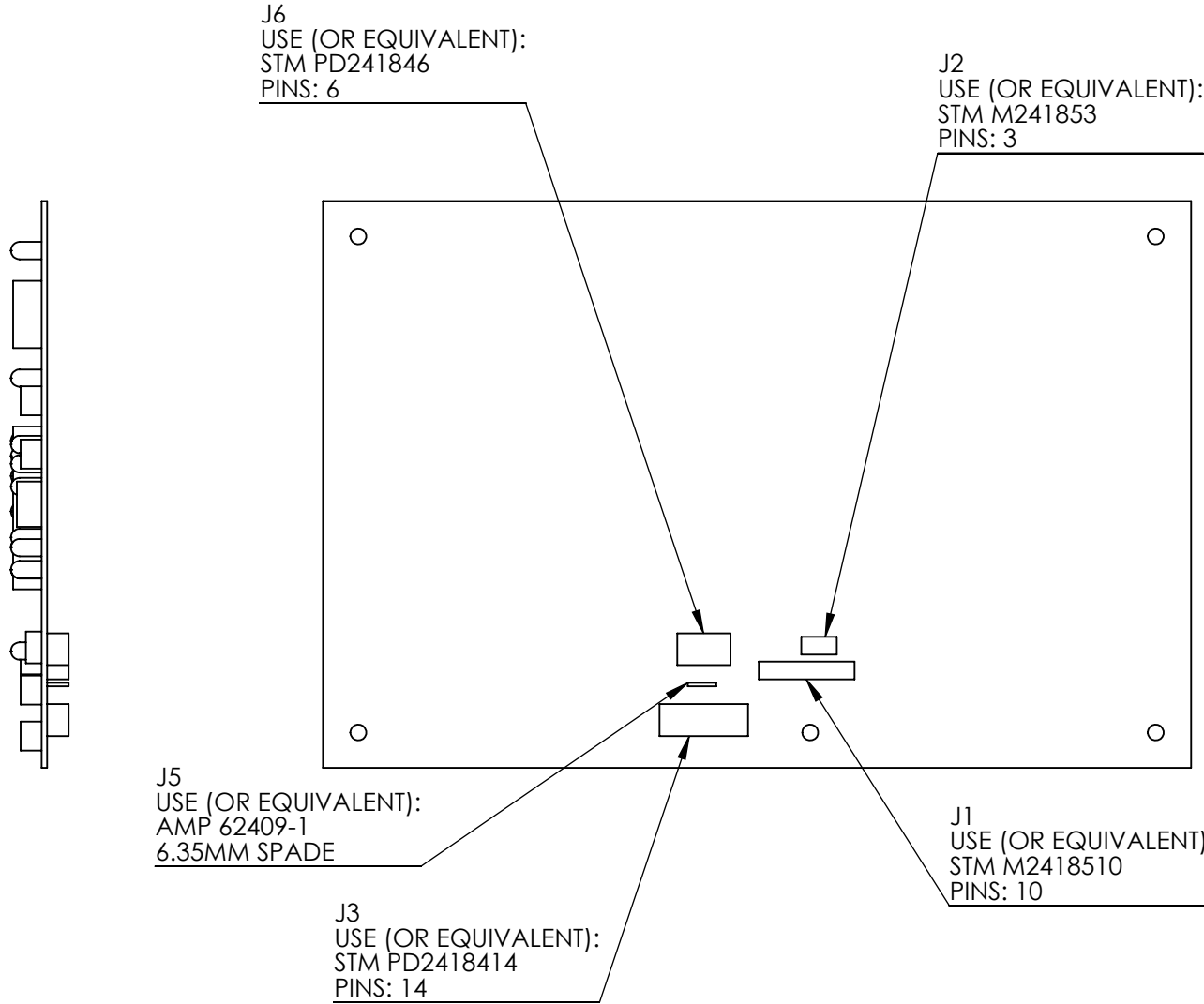
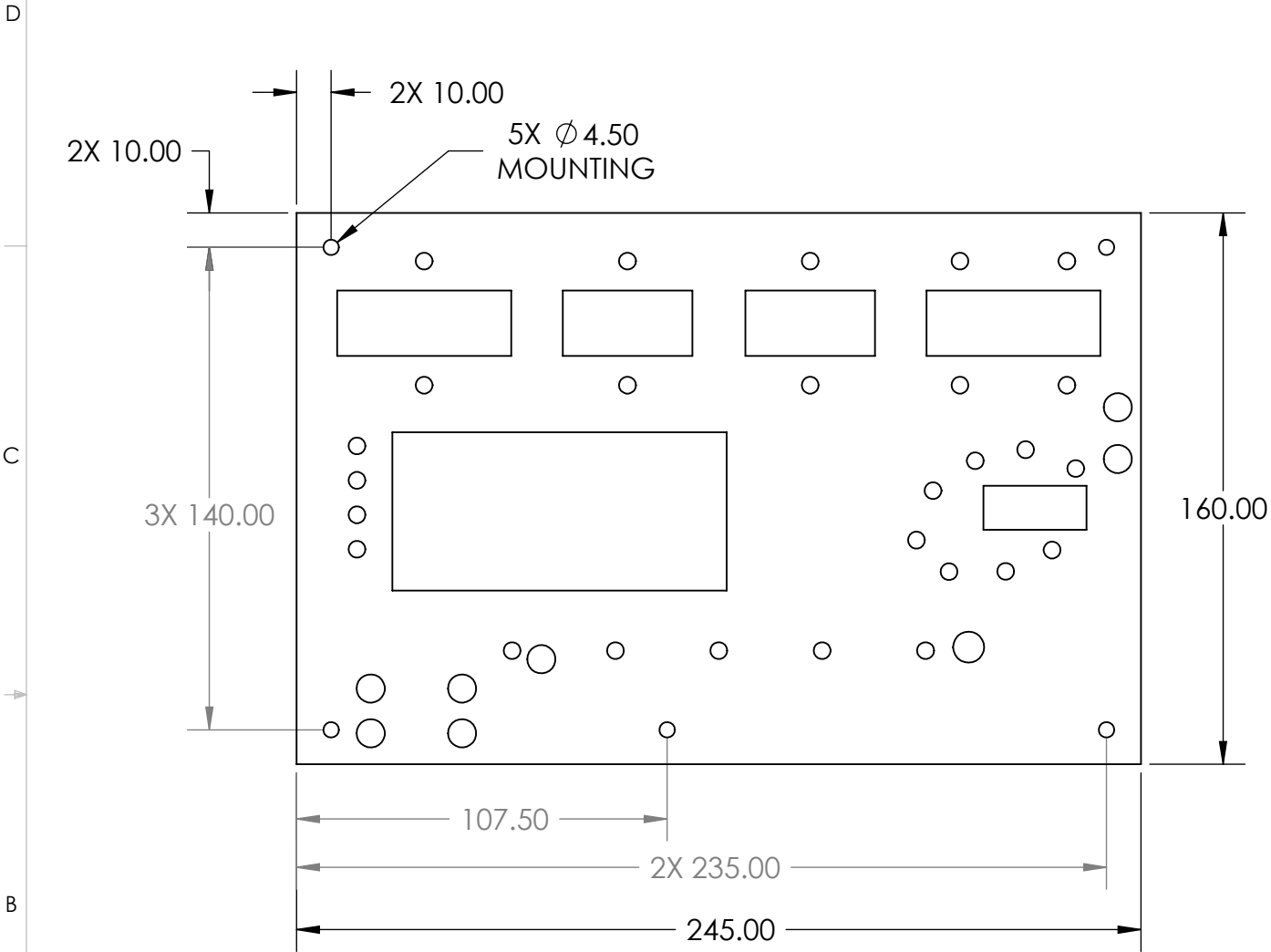


- NOTES:
- MATERIAL: LOW CARBON STEEL
 - FINISH: CLEAR ZINC
 - REMOVE ALL BURRS AND SHARP EDGES.
 - OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLE AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
 - CAD GENERATED MODEL. ANY DIMENSIONS NOT ON THIS PRINT SHOULD BE EXTRACTED FROM THE CAD MODEL.
 - SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2002/95/EC, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).

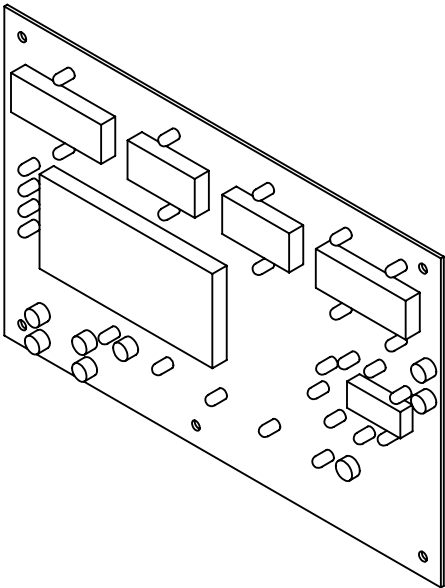
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		<i>OCTANE FITNESS</i> <i>Fuel Your Life</i>		
		PART DESCRIPTION WASHER, 3.5 X 10 X 1, STEEL, CZ		
TOLERANCES ARE: DECIMALS ANGLES .X ±0.6 ±0.5° .XX ±0.20 .XXX ±0.100		SIZE B	DWG. NO. 104167-001	REV. A
APPROVALS DRAWN BY NRL	DATE 4/23/2009	SCALE 10:1	DO NOT SCALE DRAWING	SHEET 1 OF 1

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REV	DESCRIPTION	ECN #	DATE	ENG
A	PRODUCTION RELEASE	001-00-015100	11/30/2010	BHG
B	REVISED NOTES: ADDED REF. TO 107411-001DOC	001-00-015332	12/4/2012	MRN
C	REVISED NOTES: UPDATED SCHEMATIC, PCB, BOARD ASS'Y AND ADDED SOFTWARE P/N	001-00-015642	11/10/2015	TCC



- NOTES:
1. SCHEMATIC P/N: 110318-001
 2. PCB P/N: 110319-001
 3. BOARD ASSEMBLY PER BOM: 105565-001 REV C
 4. MICROPROCESSOR: REFERENCE DOC. 107411-001
 5. SOFTWARE P/N: 110326-001
 6. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLE AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
 7. SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2002/95/EC, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		OCTANE FITNESS <i>Fuel Your Life</i>	
TOLERANCES ARE:		PART DESCRIPTION	
DECIMALS	ANGLES	CIRCUIT BOARD ASSY, PRO310 CNSL, INTL, RoHS	
.X ±0.6	±0.5°		
.XX ±0.20			
.XXX ±0.100			
APPROVALS	DATE	SIZE	REV.
DRAWN BY		B	C
NRL	12/1/2009	DWG. NO.	
		105565-001	
		SCALE 1:2	DO NOT SCALE DRAWING
			SHEET 1 OF 1

MATERIAL/PROCESS: SOLUMARK ID SR40 BY MARK-IT COMPANY (INK TRANSFER)
ADHESIVE: SEE NOTES FOR APPLICATION PROCESS
FINISH / TEXTURE: GLOSS TOP COAT

COLOR:



ECO	REVISION	REVISION DESCRIPTION	APPROVED	DATE
002911	A	PRODUCTION RELEASE	DF	8/21/2018
--	--	--	--	--/--/----
--	--	--	--	--/--/----
--	--	--	--	--/--/----

- NOTES:
- INK MUST BE 100% OPAQUE TO INSURE CORRECT COLOR
 - TOLERANCE: DECIMALS ANGLES
 .X ±0.6 ±0.5°
 .XX ±0.20
 .XXX ±0.100
 - TOTAL CLEAR TOP COAT NOT TO EXTEND BEYOND THE ART BY MORE THAN 1/32"
 - APPLICATION PROCESS:
 - FLAMING MAY BE REQUIRED IF APPLIED TO POLYPROPYLENE PLASTIC PART.
 - CLEAN SUBSTRATE WITH ISOPROPYL ALCOHOL.
 - DIP DECAL, ART SIDE DOWN, INTO L21 SOLUTION (SUPPLIED BY MARK-IT CO.) TO WET BOTH SIDES.
 - PLACE ON PART IN PROPER LOCATION.
 - SQUEEGEE DECAL FROM CENTER OUT IN AT LEAST 2 DIRECTIONS.
 - WIPE DOWN WITH SPONGE AND WATER TO REMOVE EXCESS L21 SOLUTION.
 - LET SIT FOR APPROXIMATELY 30 SECONDS.
 - PEEL UP RELEASE PAPER. ENSURE THAT INK DOES NOT COME UP WITH RELEASE PAPER.
 - WIPE GENTLY WITH SPONGE AND WATER TO CLEAN SURFACES.
 - DO NOT IMMEDIATELY WRAP TIGHTLY IN PLASTIC. RESIDUAL SOLVENTS IN DECAL MUST BE ALLOWED TO EVAPORATE OFF.
 - OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLES AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
 - SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2011/65/EU, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).



31.5mm

MATERIAL/PROCESS: SOLUMARK ID SR40 BY MARK-IT COMPANY (INK TRANSFER)
ADHESIVE: SEE NOTES FOR APPLICATION PROCESS
FINISH / TEXTURE: GLOSS TOP COAT

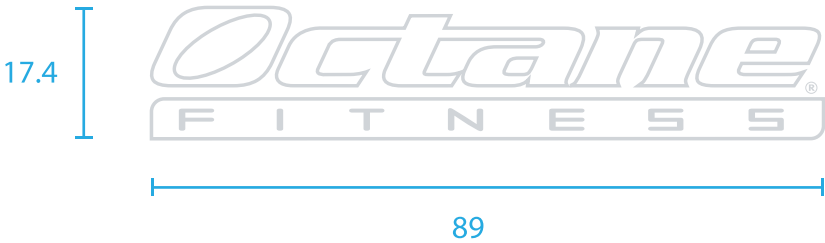
COLOR:



NLS APPROVED ADHESIVES TABLE	
MANUFACTURER	PART NUMBER
3M	468MP
-	-
-	-

ECO	REVISION	REVISION DESCRIPTION	APPROVED	DATE
003051	A	PRODUCTION RELEASE	KR	11/26/2018
--	--	--	--	--/--/----
--	--	--	--	--/--/----
--	--	--	--	--/--/----

- NOTES:
1. INK MUST BE 100% OPAQUE TO INSURE CORRECT COLOR
 2. TOLERANCE: DECIMALS ANGLES
 .X ±0.6 ±0.5°
 .XX ±0.20
 .XXX ±0.100
 3. TOTAL CLEAR TOP COAT NOT TO EXTEND BEYOND THE ART BY MORE THAN 1/32"
 4. APPLICATION PROCESS:
 1. FLAMING MAY BE REQUIRED IF APPLIED TO POLYPROPYLENE PLASTIC PART.
 2. CLEAN SUBSTRATE WITH ISOPROPYL ALCOHOL.
 3. DIP DECAL, ART SIDE DOWN, INTO L21 SOLUTION (SUPPLIED BY MARK-IT CO.) TO WET BOTH SIDES.
 4. PLACE ON PART IN PROPER LOCATION.
 5. SQUEEGEE DECAL FROM CENTER OUT IN AT LEAST 2 DIRECTIONS.
 6. WIPE DOWN WITH SPONGE AND WATER TO REMOVE EXCESS L21 SOLUTION.
 7. LET SIT FOR APPROXIMATELY 30 SECONDS.
 8. PEEL UP RELEASE PAPER. ENSURE THAT INK DOES NOT COME UP WITH RELEASE PAPER.
 9. WIPE GENTLY WITH SPONGE AND WATER TO CLEAN SURFACES.
 10. DO NOT IMMEDIATELY WRAP TIGHTLY IN PLASTIC. RESIDUAL SOLVENTS IN DECAL MUST BE ALLOWED TO EVAPORATE OFF.
 5. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLES AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
 6. SUPPLIER MUST SUPPLY A DECLARATION OF COMPLIANCE WITH EUROPEAN COUNCIL DIRECTIVE 2011/65/EU, ON THE RESTRICTION OF USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS).



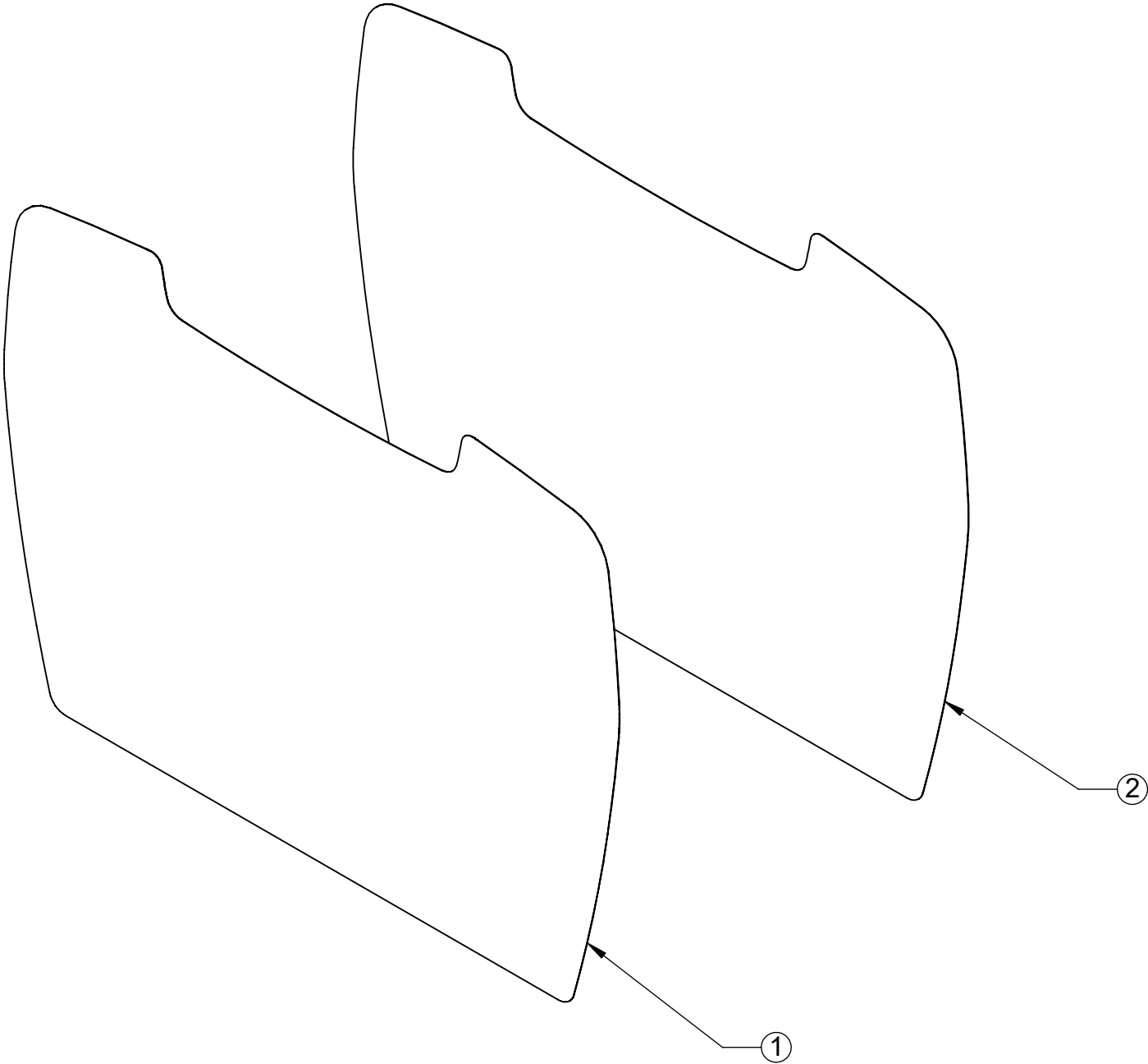
8022127

MATERIAL: SEE INDV COMPONENTS
TEXTURE/COATING: SEE INDV COMPONENTS
FINISH: SEE INDV COMPONENTS
COLOR: SEE INDV COMPONENTS

REVISIONS				
ECO	REVISION	REV DESCRIPTION	APPROVED	DATE
003110	A	PRODUCTION RELEASE	C.CHENG	1/9/2019
003260	B	ADDED TABLE VERSIONS	DF	4/5/2019

ⓑ

TABLE, VERSIONS OF KEYPAD ASSEMBLIES		
ASSEMBLY PART NUMBER	DESCRIPTION	BOM ITEM 1
8022127	ASSY, CONSOLE OVERLAY, PRO310, DARK, ENG	8021738
8022127-04	ASSY, CONSOLE OVERLAY, PRO310, DARK, LAS	8021738-04
8022127-06	ASSY, CONSOLE OVERLAY, PRO310, DARK, BPO	8021738-06
8022127-09	ASSY, CONSOLE OVERLAY, PRO310, DARK, CHN	8021738-09



ITEM	QTY.	PART NO.	DESCRIPTION
1	1	SEE TABLE	SEE DRAWING
2	1	8022128	OVERLAY, PRO310, DARK



NAUTILUS, INC.
17750 SE 6TH WAY VANCOUVER, WA 98683

- UNLESS OTHERWISE SPECIFIED:
- ALL COMPONENTS MUST CONFORM TO NLS QIS STANDARD.
 - ALL DIMENSIONS APPLY BEFORE PLATING OR COATING.
 - CIRCLED DIMENSIONS ARE CRITICAL TO FUNCTION AND ARE TO BE INSPECTED.
 - DIMENSIONS INDICATED BY ⓐ ARE PROCESS CONTROL DIMENSIONS.
 - ALL UNDIMENSIONED FEATURES ARE TOLERANCED ±.5mm.
 - ALL PARTS MUST RoHS COMPLIANT.

METRIC

THIRD ANGLE
PROJECTION



TOLERANCES.

X	± 1.00
X.X	± 0.50
X.XX	± 0.25
X.XXX	± 0.10
ANGULAR	± 1°

INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994

APPROVALS

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--		--	

TITLE.

SEE TABLE

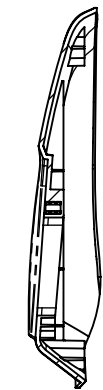
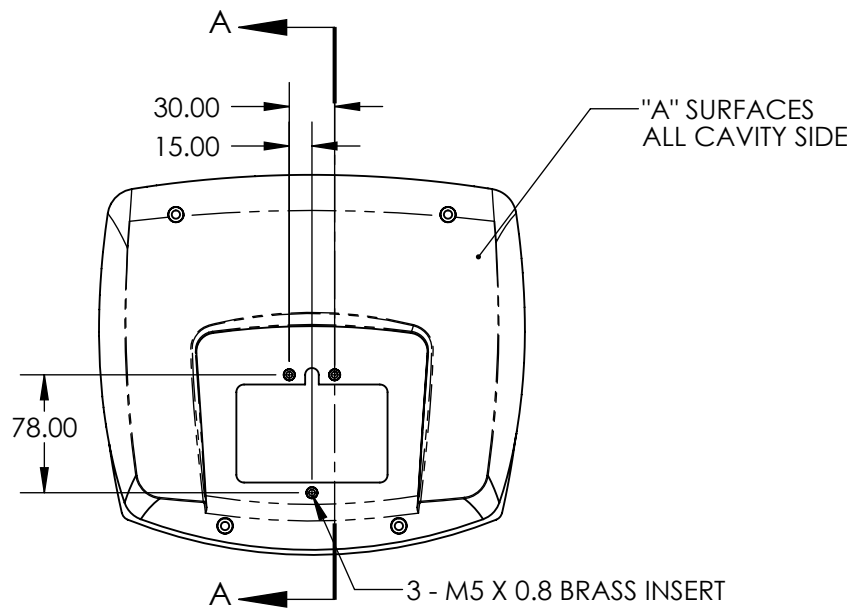
DESIGNED	
DRAWN	C.CHENG
DATE	1/9/2019

PART NO.
8022127

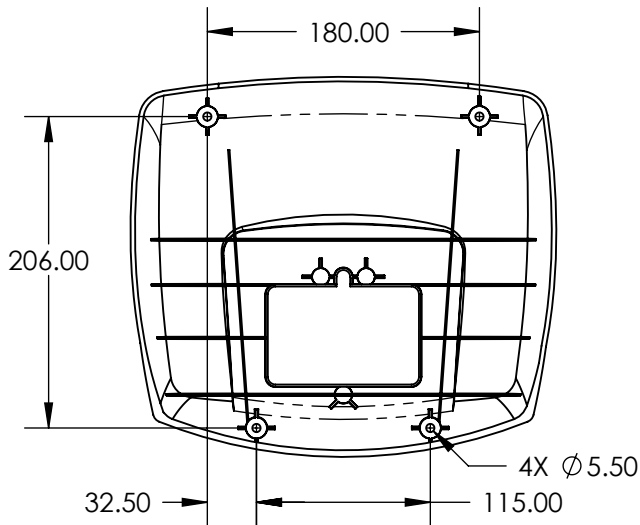
REV. SIZE
B C

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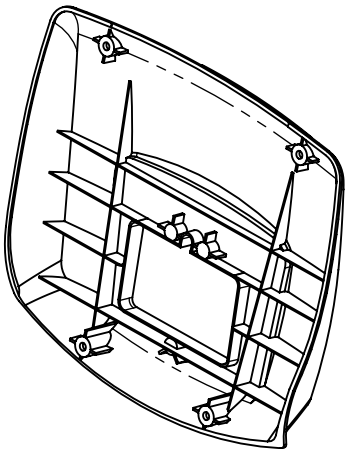
ECO	REV	REV DESCRIPTION	APPROVED	DATE
003110	A	PRODUCTION RELEASE	C.CHENG	1/7/2019
003346	B	ADDED MOLD TEXTURE TO "A" SURFACES	BHG	5/31/2019



SECTION A-A



ALL CORE SIDE SURFACES ARE "B" SURFACES

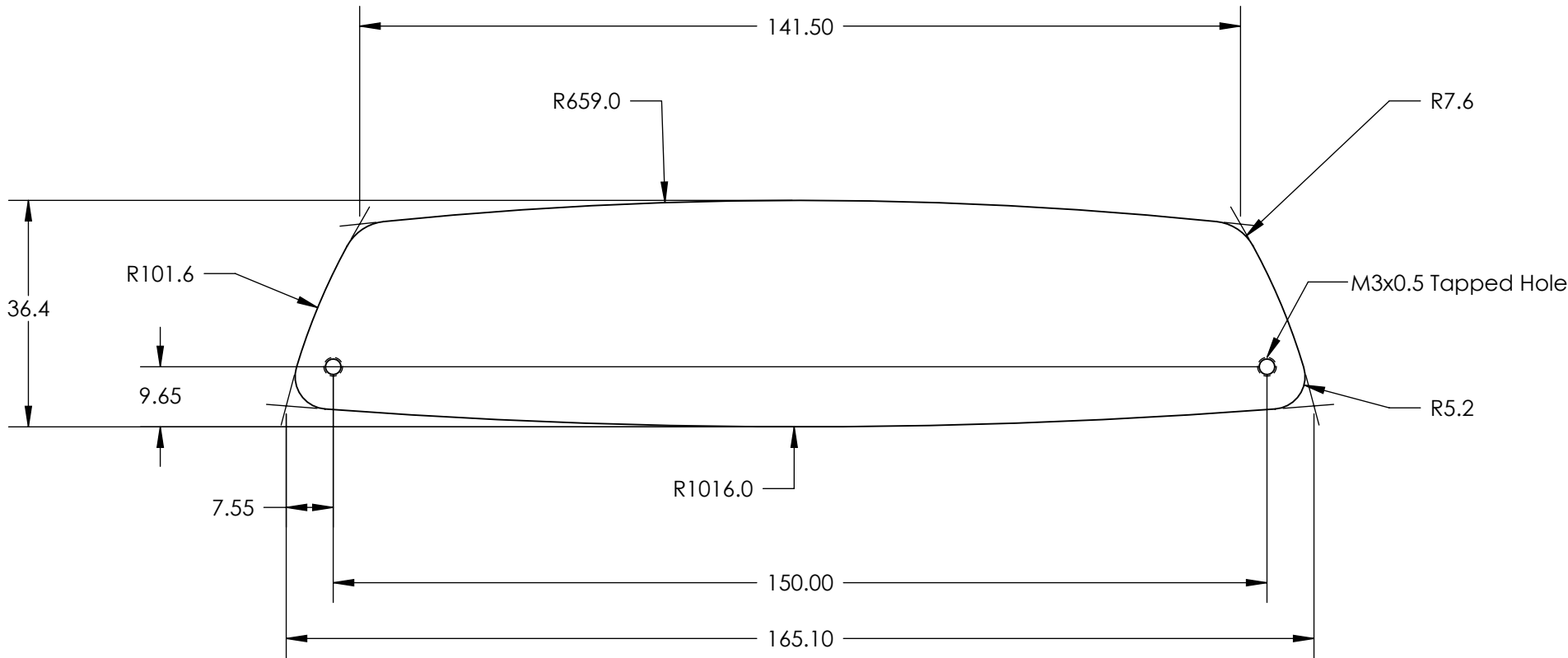


- NOTES:
1. MATERIAL: ABS, CHI MEI PA-757
 2. PLASTIC COLOR: OCTANE PMS 425C (8018506)
 3. PLASTIC TEXTURE:
 1. MT 11030 TEXTURE ON "A" SURFACES. (B)
 2. NO TEXTURE ON "B" SURFACES.
 4. STANDARD DRAFT TO BE 1°.
 5. "+" INDICATES PLUS DRAFT TO INCREASE DIMENSION.
 6. "-" INDICATES MINUS DRAFT TO DECREASE DIMENSION.
 7. FLASH AND GATES NOT TO EXCEED 0.15MM.
 8. PARTING LINE MISMATCH NOT TO EXCEED 0.15MM.
 9. PART TO BE MOLDED TO SPECIFICATION. COOLING FIXTURE MAY BE REQUIRED TO HOLD DIMENSIONS AND SHAPE.
 10. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLE AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
 11. CAD GENERATED MODEL. ANY DIMENSIONS NOT ON THIS PRINT SHOULD BE EXTRACTED FROM THE CAD MODEL.
 12. SUPPLIER MUST SUPPLY A TEST REPORT CONFIRMING PAH COMPLIANCE PER EN 1186ff CATEGORY 3.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		OCTANE FITNESS <i>Fuel Your Life</i>	
TOLERANCES ARE: DECIMALS ANGLES .X ±0.6 ±0.5° .XX ±0.20 .XXX ±0.100		PART DESCRIPTION SHROUD, REAR CONSOLE, DARK	
APPROVALS DRAWN BY NRL	DATE 4/14/2009	SIZE B	DWG. NO. 8022129
SCALE 1:5		DO NOT SCALE DRAWING	REV. B

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ECO	REV	REV DESCRIPTION	APPROVED	DATE
003346	A	PRODUCTION RELEASE, UPDATED PAINT COLOR TO METALLIC CHARCOAL.	BHG	5/31/2019



NOTES:

1. MATERIAL: STEEL, HOT ROLLED, PICKLED & OILED PER ASTM A570, GRADE 30.
2. FINISH: POWDER COAT, METALLIC CHARCOAL (8018620).
3. REMOVE ALL BURRS AND SHARP EDGES.
4. OCTANE FITNESS ENGINEERING APPROVAL ON FIRST SAMPLE AND VENDOR INSPECTION REPORT REQUIRED PRIOR TO PRODUCTION FROM NEW OR REVISED TOOLING.
5. CAD GENERATED MODEL. ANY DIMENSIONS NOT ON THIS PRINT SHOULD BE EXTRACTED FROM THE CAD MODEL.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		<i>OCTANE FITNESS</i> <i>Fuel Your Life</i>		
		PART DESCRIPTION PLATE, CONSOLE LOGO, DARK		
TOLERANCES ARE:				
DECIMALS	ANGLES			
.X ±0.6	±0.5°			
.XX ±0.20				
.XXX ±0.100				
APPROVALS	DATE	SIZE	DWG. NO.	REV.
DRAWN BY NRL	4/20/2009	B	8023359	A
		SCALE 1:1	DO NOT SCALE DRAWING	SHEET 1 OF 1