

NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL:
  - FLAME RETARDANT ABS (Acrylonitrile-Butadiene-Styrene) OR ENGINEERING APPROVED EQUIVALENT. FLAME CLASS RATING UL94 V1, OR BETTER.
  - CUSTOM DARK GREY COLOR. MATCH MCI#8P117-C SAMPLE PROVIDED BY STARTRAC.
- PART SHALL BE FABRICATED BY INJECTION MOLDING.
- DRAWING IS FOR REFERENCE ONLY. PLEASE REFER TO DATABASE 020-7304.IGES FOR ACTUAL GEOMETRY (SAME REV. AS DRAWING).
- DIMENSION LINES DRAWN TO RADII OR FILLETS DENOTE THEORETICAL INTERSECTION OF THE CORRESPONDING LINES.
- PART TO BE FREE OF OIL AND MOLD RELEASE RESIDUE.
- EJECTOR PIN MARKS TO BE FLUSH WITH SURFACE TO .010" BELOW SURFACE
- TYPICAL WALL THICKNESS: .125".
- RIB THICKNESS: .040" -DRAFT.
- TYPICAL INTERNAL FILLET RADIUS: N/A
- TYPICAL DRAFT ANGLE TO BE 0.5°/SIDE.(NON-TEXTURED SURFACE).

11 NOTED SURFACES TO BE TEXTURED TO MATCH MOLD TECH MT - 11020, OR ENGINEERING APPROVED EQUIVALENT.

12 PART NUMBER AND CURRENT REVISION TO BE ETCHED INTO TOOL @ LOCATION SHOWN - 14PT LETTERING (.20" TALL).

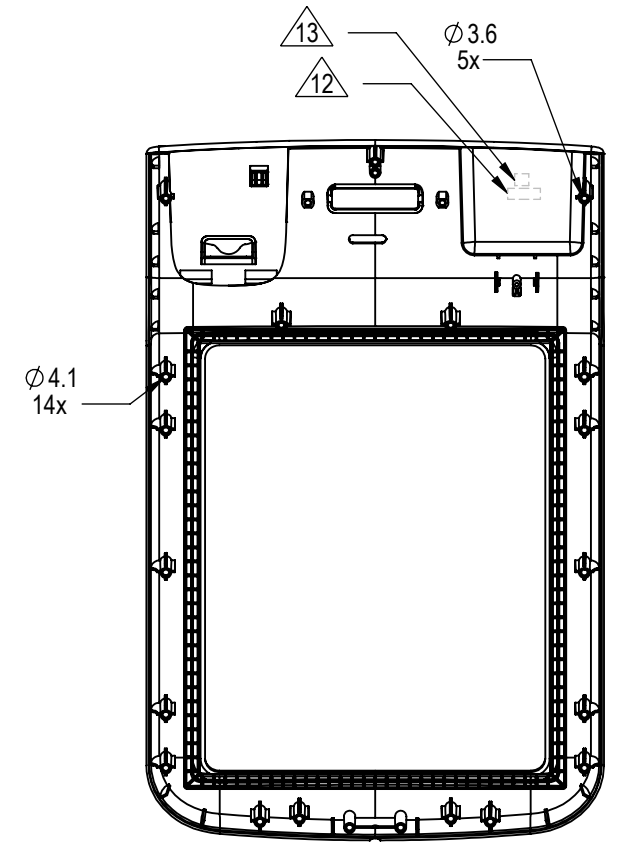
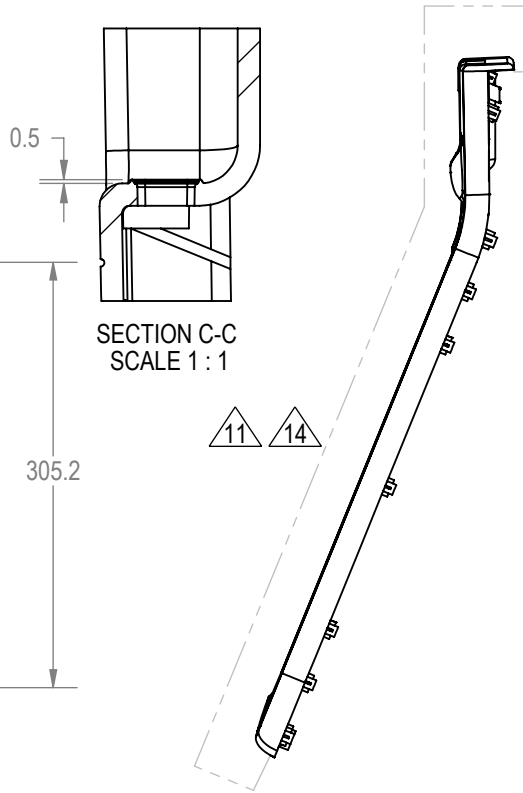
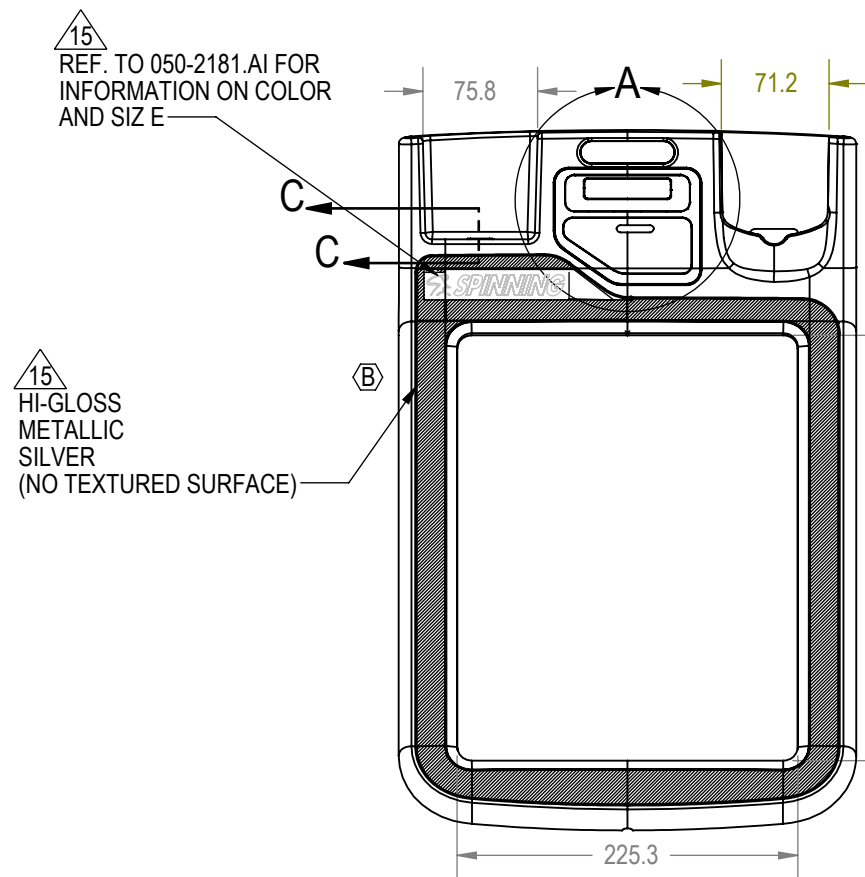
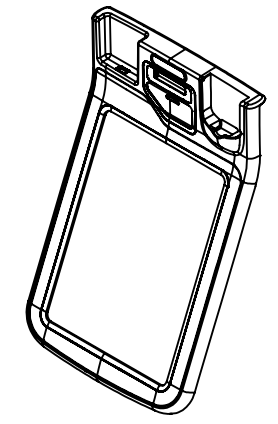
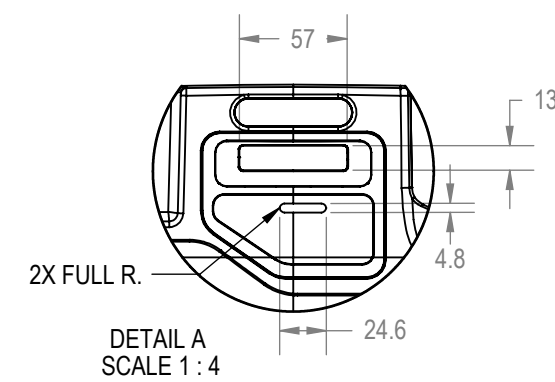
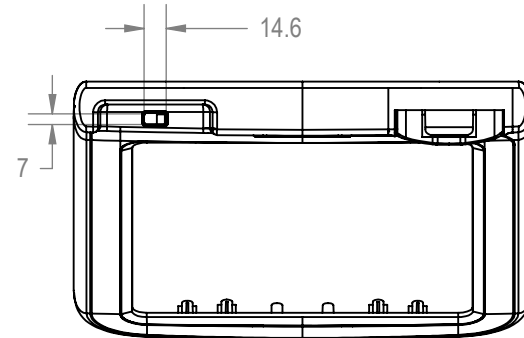
13 RECYCLING SYMBOL MUST BE MOLDED INTO THE PLASTIC APPROXIMATELY WERE SHOWN, SYMBOL SHOULD BE .75" TALL, SYMBOL MUST BE CLEAR AND VISIBLE.

14 NOTED SURFACES TO BE FREE FROM BLEMISHES, GATE AND SINK MARKS, KNIT LINES, AND EJECTOR PIN MARKS.

15 TOP EXPOSED SURFACE TO BE PAINTED AND FINISHED ACCORDING TO THE FOLLOWING SPECIFICATION:

- ALL OTHER EXTERNAL SURFACES TO BE MASKED PRIOR TO PAINTING.
- PAINT BRIGHT SILVER METALLIC PER CARDINAL PAINT P/N 6429-E12289-P.1
- SCREEN PRINT BLACK ARTWORK SHOWN ON SHEET 1. REFER TO FILE 050-2181.AI FOR ACTUAL ARTWORK (SAME REV. AS DRAWING).
- GLOSS CLEAR PER CARDINAL P/N 6479-1 (OVER SCREEN PRINT. KEEP ORIGINAL MASKING CALLOUT NOTED IN 15a.)

REVISION HISTORY				
REV	DATE	DESCRIPTION	ECO	BY
A		PROTOTYPE	-	VC
B	9/26/2011	REVISED DRAWING VIEW & ADDED PART NUMBER TO DWG.	13569	SD



**DOCUMENT STATUS:**

NOTICE OF PROPRIETARY INFORMATION  
THIS DOCUMENT SHALL NOT BE REPRODUCED NOR SHALL THE INFORMATION CONTAINED HEREIN BE USED BY OR DISCLOSED TO OTHER EXCEPT AS EXPRESSLY AUTHORIZED BY CORE INDUSTRIES, INC., D.B.A. STAR TRAC.

CLASS OF WORK	UNLESS OTHERWISE SPECIFIED DIMS ARE IN mm. TOLERANCES FOR MEASURE OF LENGTH ARE:							ANGLES = ±2°
	0.5 to 3	>3 to 6	>6 to 30	>30 to 120	>120 to 400	>400 to 1000	>1000 to 2000	
FINE	±0.05	±0.05	±0.1	±0.15	±0.2	±0.3	±0.5	----
MEDIUM	±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2
COARSE	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	±4
VERY COARSE	----	±0.5	±1	±1.5	±2.5	±4	±6	±8

MATERIAL  
SEE NOTES

FINISH  
SEE NOTES

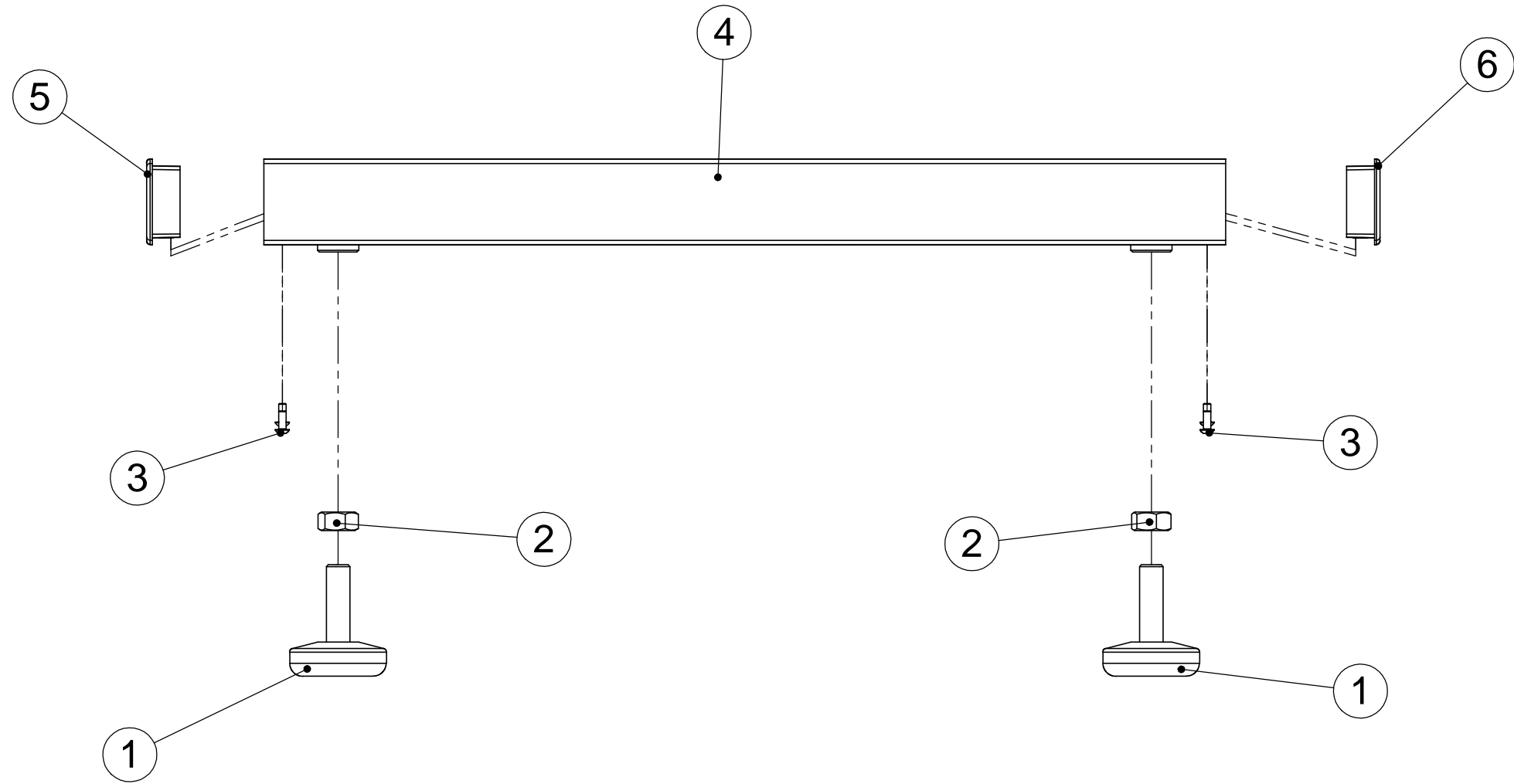
VENDOR:

P/N: PLT0051Z

THIRD ANGLE PROJECTION		
DRAWN	INITIAL BG	DATE 11/06/08
CHECKED		
APPROVED		
	U.O.M.	MM

CORE INDUSTRIES, INC. DBA <b>STAR TRAC</b>		14410 Myford Road Irvine CA 92606	
STARTRAC PART NO	<b>020-7304</b>	REV	<b>A</b>
TITLE <b>DISPLAY, E-SPINNER, TOP</b>			
SCALE: 1:5	SHEET 1 OF 1	SHEET SIZE: B	

REVISION HISTORY				
REV	DATE	DESCRIPTION	ECO	BY
A	05-11-05	PRODUCTION RELEASE	11255	RKL
F	10-21-09	REPLACED ENTIRE BOM 800-3729, 110-3317 & 727-0029 WITH 740-7023 & 740-7173 QTY 2, 740-7181 QTY 4; 740-7218, 740-7281 & 740-7280 QTY 1	12264	AK



ITEM NO.	PART NUMBER	DESCRIPTION	Q'TY.
1	740-7023	ASSY, FOOT, W/ OVER MOLD	2
2	740-7173	NUT, 1/2-13, HEX, CS, BO	2
3	740-7181	SCREW, M4X0.7X10, BHC, HE, SS	4
4	740-7218	TUBE, REAR LEG, NXT/E-SPINNER, WELD	1
5	740-7281	END CAP, RIGHT	1
6	740-7280	END CAP, LEFT	1

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**DOCUMENT STATUS:  
 RELEASE**

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MEDIUM	±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2
COARSE	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	±4
VERY COARSE	-----	±0.5	±1	±1.5	±2.5	±4	±6	±8

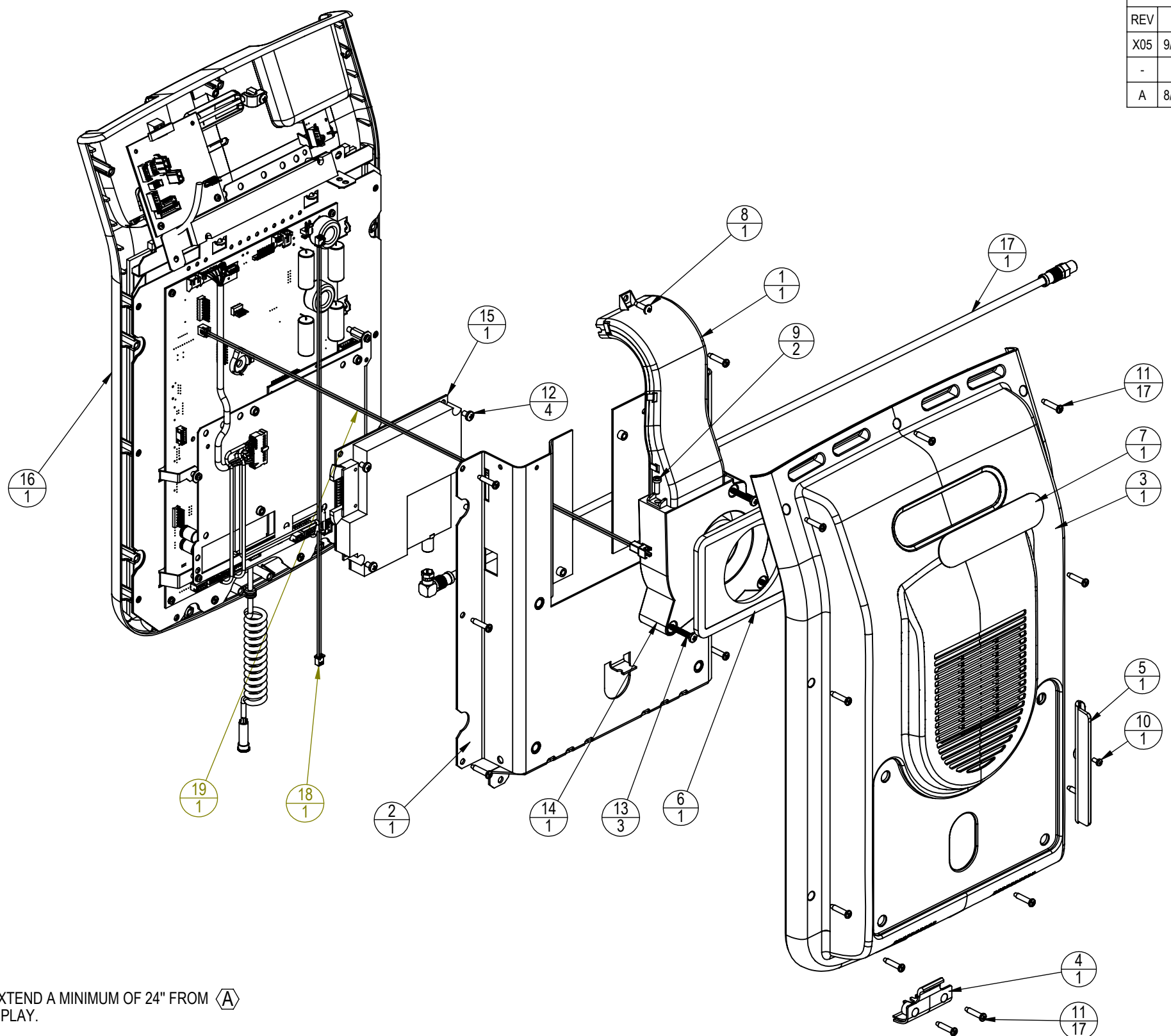
MATERIAL: SEE BOM **F**  
 FINISH: N/A  
 VENDOR: N/A  
 P/N: 321-4-1900-00

THIRD ANGLE PROJECTION		
DRAWN	INITIAL: JC	DATE: 2-01-2009
CHECKED		
APPROVED		

UNISEN, INC. DBA 14410 Myford Road  
 Irvine CA 92606  
**STAR TRAC**  
 STARTRAC PART NO: **727-0003** REV: F  
 TITLE: ASSY, REAR LEG, NXT/E-SPINNER  
 SCALE: 1:2 SHEET 1 OF 1 SHEET SIZE: B



REVISION HISTORY				
REV	DATE	DESCRIPTION	ECO	BY
X05	9/29/2008	PROTOTYPE RELEASE	-	FJM
-		RELEASE FOR PRODUCTION	-	VW
A	8/26/2011	ADD MATERIAL BOM #18, 19 & ADD MATERIAL NOTE	13569	SD



ITEM NO.	PART NUMBER	Description	Default Qty.
1	020-7227	ASSY, FUNNEL, AIR GUIDE, E-SPINNER	1
2	020-7301	BRACKET, BACK PLATE, E-SPINNER	1
3	020-7305	DISPLAY, E-SPINNER, BOTTOM	1
4	020-7306	COVER, HEADPHONE, E-SPINNER	1
5	020-7307	COVER, SD CARD, e-Spinner	1
6	020-7315	GASKET, BLOWER, eSPINNER	1
7	050-2180	LOGO, STAR TRAC, 121mm x 28.7	1
8	110-3165	SCREW, M4x0.7x14L, PHT, PH, CS, ZI	1
9	110-3168	SCREW, M4x12, PHM, PH, CS, ZI	2
10	110-3176	SCREW, M3X6, PHM, PH, CS, ZI	1
11	110-3402	SCREW, M4x0.7x19L, PHT, PH, CS, BZ	17
12	110-3407	SCREW, M4x0.7x6L, PHM, PH, BO	4
13	110-3455	SCREW, M4x25, PHM, PH, CS, ZI	3
14	718-1122	ASSY, BLOWER, 12VDC	1
15	740-6955	TUNER, DTV, ATV, USA, POWERRAY	1
16	740-6982	ASSY, LCD DISPLAY, E-SPIN	1
17	740-6976	CABLE, TV COAX 1, E-SPINNER	1
18	740-6971	eSPINNER POWER CABLE	1
19	740-6964	eSPINNER RPM CABLE	1

NOTES:  
 1. CORDS MUST EXTEND A MINIMUM OF 24" FROM (A) BOTTOM OF DISPLAY.

**DOCUMENT STATUS:**

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MEDIUM X	±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2
COARSE	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	±4
VERY COARSE	----	±0.5	±1	±1.5	±2.5	±4	±6	±8

MATERIAL SEE BOM  
 FINISH N/A  
 VENDOR: N/A  
 P/N: N/A

THIRD ANGLE PROJECTION

DRAWN \_\_\_\_\_ INITIAL \_\_\_\_\_ DATE \_\_\_\_\_  
 CHECKED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

CORE INDUSTRIES, INC. DBA  
  
 14410 Myford Road  
 Irvine CA 92606

STARTRAC PART NO. **740-6937** REV **A**

TITLE **ASSY, LCD DISPLAY, ATSC, E-SP**

SCALE: 1:4 | SHEET 1 OF 1 | SHEET SIZE: B

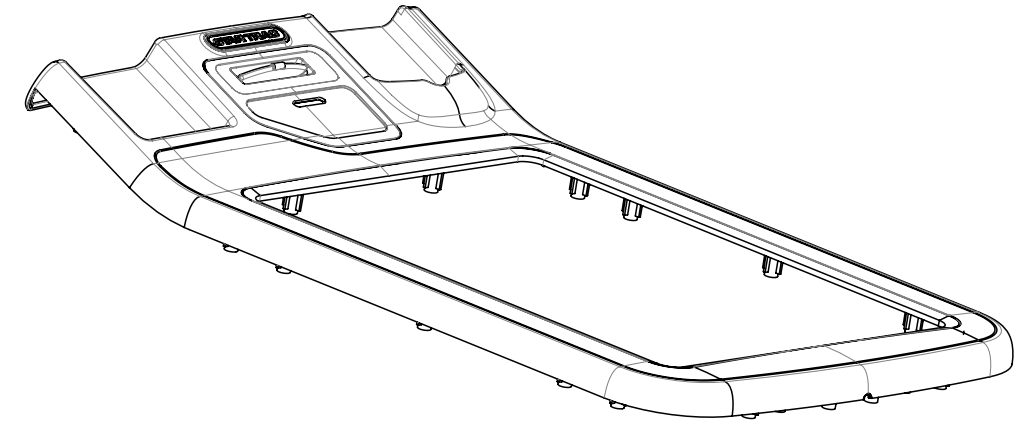
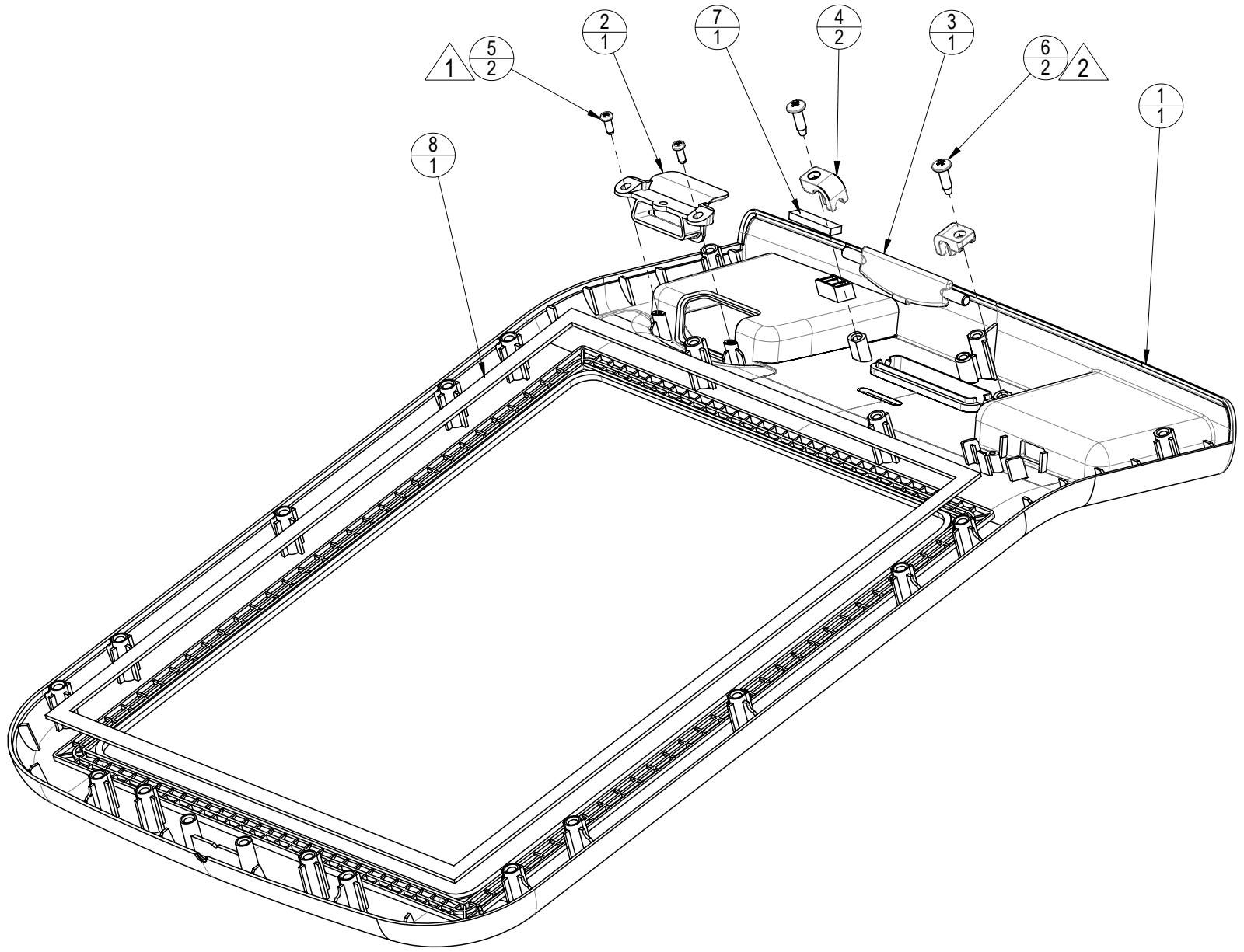
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9 8 7 6 5 4 3 2 1

REVISION HISTORY				
REV	DATE	DESCRIPTION	ECO	BY
X03	9/27/2008	REMOVED GASKET SEAL	-	FJM
X04	12-04-08	UPDATE T MATCH MANUFACTURER PROCESS	-	FJM
A	09/12/11	MODIFIED DRAWING NOTE #1	13569	SD
B	3/20/2012	REMOVED ITEMS <b>050-2114</b> AND <b>050-2171</b>	13726	DMM

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- NOTES:
- 1. TORQUE TO 6-8 LBS-IN (0.7 TO 0.9 N-m)
  - 2. TORQUE TO 8-12 LBS-IN (0.9 TO 1.4 N-m)

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COARSE	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	±4
VERY COARSE	----	±0.5	±1	±1.5	±2.5	±4	±6	±8

MATERIAL SEE BOM  
FINISH N/A  
VENDOR: N/A  
P/N: N/A

ITEM NO.	PART NO.	DESCRIPTION	Default/QTY.
1	020-7304	DISPLAY, E-SPINNER, TOP	1
2	020-7308	COVER, IPOD CONN, E-SPINNER	1
3	020-7309	FAN VENT LOUVER - eSpinner	1
4	020-7310	LOUVER, RETAINER, eSPINNER	2
5	<b>110-3163</b>	SCREW, M3x0.5x8L,PHT,PH,CS,ZI	2
6	<b>110-3165</b>	SCREW, M4x0.7x14L,PHT,PH,CS,ZI	2
7	140-3406	FOAM, SINGLE SIDED ADHESIVE, .125"X.25"	1
8	740-6959	GASKET, SINGLE SIDED ADHESIVE, S-SP	1

THIRD ANGLE PROJECTION

DRAWN: \_\_\_\_\_ INITIAL: \_\_\_\_\_ DATE: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 APPROVED: \_\_\_\_\_

U.O.M. MM

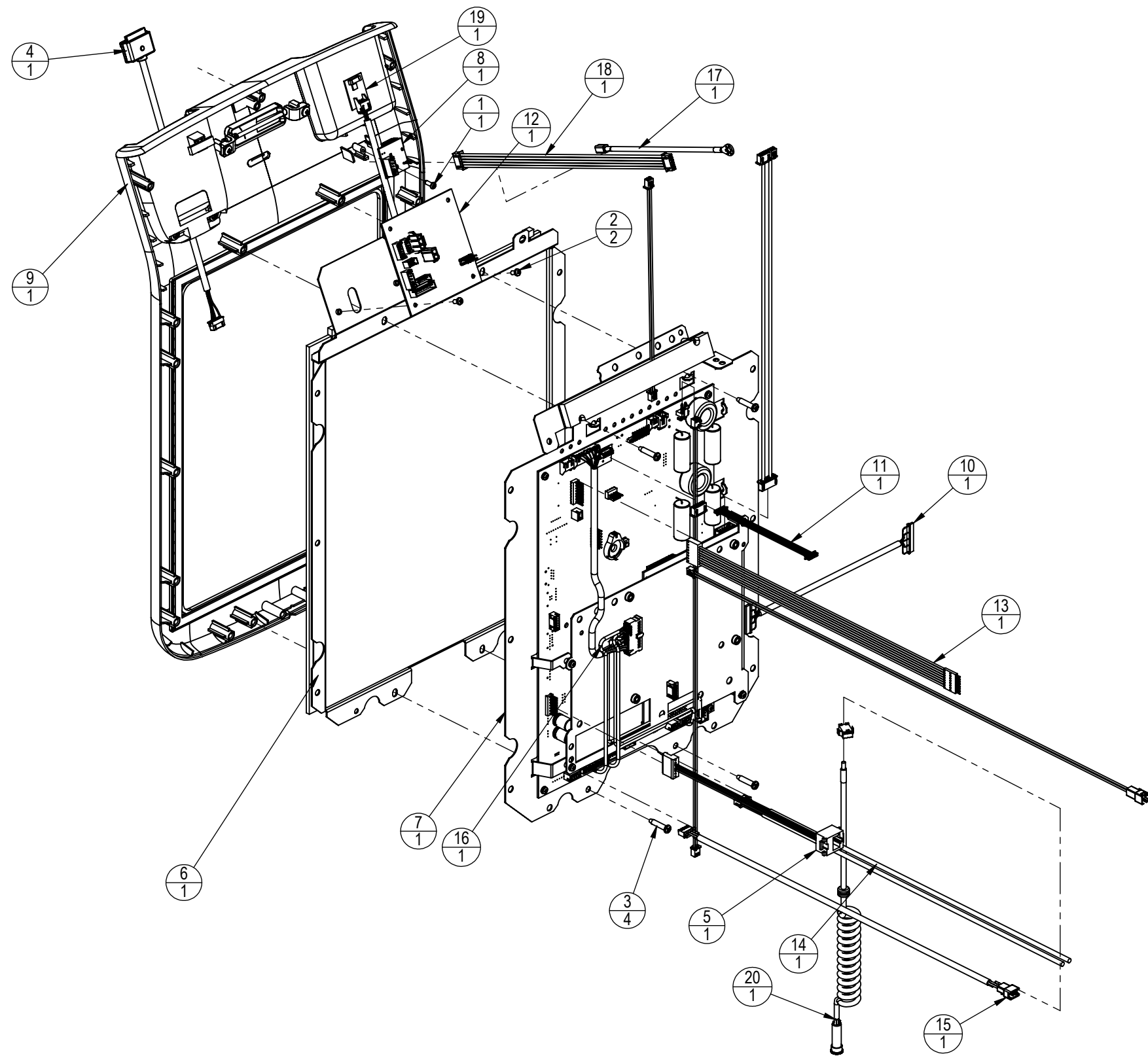
CORE INDUSTRIES, INC. DBA **STAR TRAC** 14410 Myford Road Irvine CA 92606

STARTRAC PART NO. **740-6945** REV **B**

TITLE: **ASSY, UPPER DISPLAY, E-SPINNER**

SCALE: 1:2.5 | SHEET 1 OF 1 | SHEET SIZE: B

9 8 7 6 5 4 3 2 1



REVISION HISTORY				
REV	DATE	DESCRIPTION	ECO	BY
X05	9/29/2008	PROTOTYPE RELEASE	-	FJM
F		RELEASE FOR PRODUCTION	-	VW
G	8/26/2011	REMOVE P/N: 740-6964 & 740-6971 FROM BOM	13569	SD

ITEM NO.	PART NUMBER	Description	Defa ult/Q TY.
1	110-3163	SCREW, M3x0.5x8L,PHT,PH,CS,ZI	1
2	110-3176	SCREW, M3X6,PHM,PH,CS,ZI	2
3	110-3402	SCREW, M4x0.7x19L,PHT,PH,CS,BZ	4
4	715-3774	HARNESS, IPOD INTERFACE	1
5	721-0033	ASSY., CONN., FITLINNX/CARDIO	1
6	740-6938	ASSY, LCD & TOUCH SCREEN, E-SP	1
7	740-6939	ASSY, PCB MOUNTED, E-SPINNER	1
8	740-6942	ASSY, USB BOARD, E-SPINNER	1
9	740-6945	ASSY, UPPER DISPLAY, E-SPINNER	1
10	740-6960	CABLE, LVDS, 20 PIN CONN	1
11	740-6962	CABLE, CCFL DRIVER	1
12	740-6965	ASSY, CCB, E-SPINNER	1
13	740-6966	CABLE, FAN KEYPAD CONTROL	1
14	740-6967	CABLE, AV CCB, J10	1
15	740-6972	CABLE, HEADPHONE, INTERNAL	1
16	740-6973	CABLE, MAIN BOARD TO TV TUNER	1
17	740-6974	CABLE, USB GROUND	1
18	740-6975	CABLE, USB LINK	1
19	740-7008	ASSY, WIRELESS HR, FULL RANGE	1
20	740-7523	CABLE, EXTENSION, HEADPHONE, E-SPINNER	1

NOTES:

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MEDIUM X	±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2
COARSE	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	±4
VERY COARSE	----	±0.5	±1	±1.5	±2.5	±4	±6	±8

MATERIAL SEE BOM

FINISH N/A

VENDOR: N/A

P/N: N/A

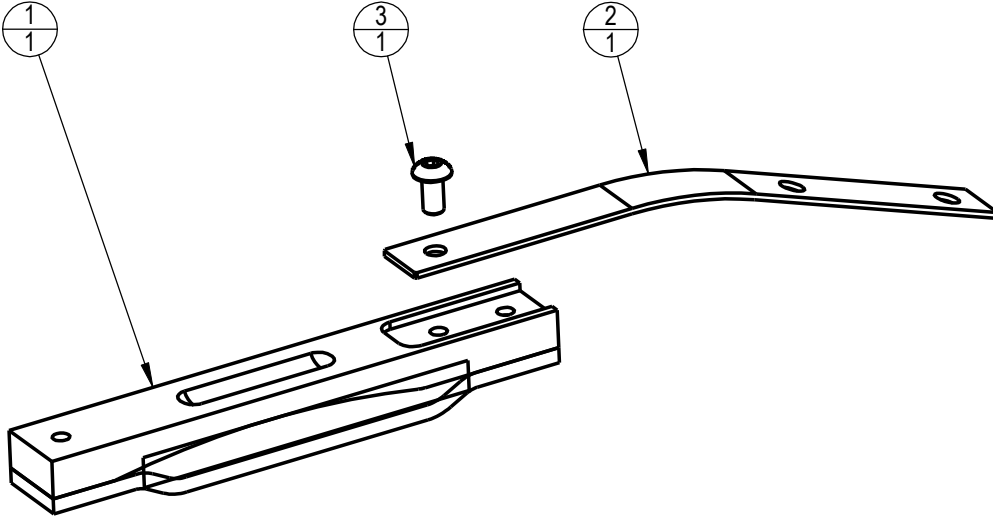



THIRD ANGLE PROJECTION



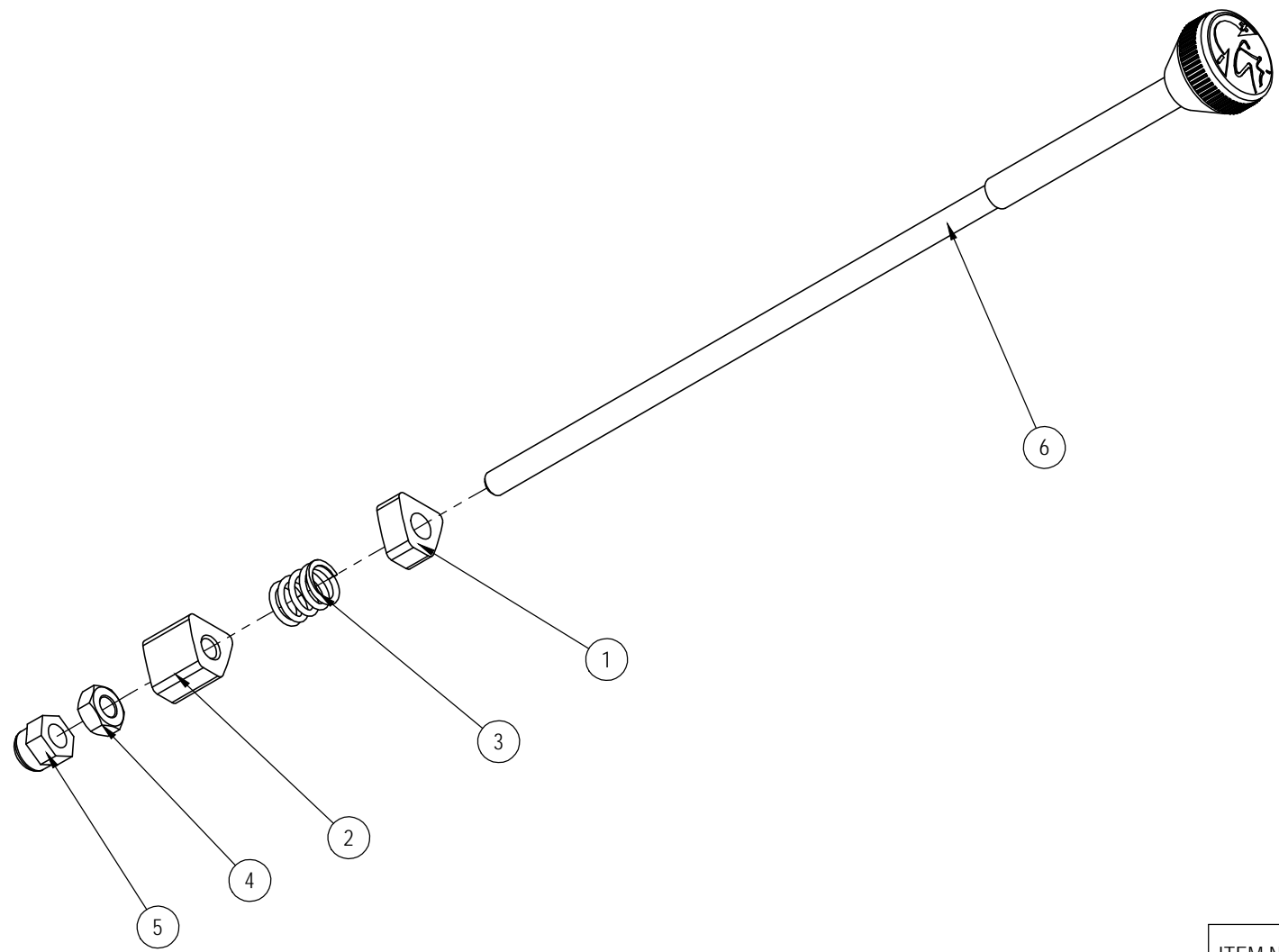
DRAWN	INITIAL FJM	DATE 08-20-08
CHECKED		
APPROVED		
	U.O.M.	MM

CORE INDUSTRIES, INC. DBA  
 14410 Myford Road  
 Irvine CA 92606

STARTRAC PART NO. <b>740-6982</b>	REV <b>G</b>
TITLE <b>ASSY, LCD DISPLAY, E-SPIN</b>	
SCALE: 1:4	SHEET 1 OF 1   SHEET SIZE: B

10	9	8	7	6	5	4	3	2	1																																										
						<b>REVISION HISTORY</b>				H																																									
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						F	10-21-09	RELEASE FOR PRODUCTION	12264	AK	G																																								
						G	05-26-10	REMOVE VENDOR P/N	13142	VW	G																																								
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C	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th rowspan="2">CLASS OF WORK</th> <th>FINE</th> <th>MEDIUM</th> <th>COARSE</th> <th>VERY COARSE</th> </tr> <tr> <td></td> <td style="text-align: center;"><b>X</b></td> <td></td> <td></td> </tr> </table>					CLASS OF WORK	FINE	MEDIUM	COARSE	VERY COARSE		<b>X</b>			<b>DOCUMENT STATUS:</b> <b>RELEASE</b>				C																																
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	> 1000 to 2000	±0.5	±1.2	±3	±6																																														
	> 2000	----	±2	±4	±8																																														
A	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">MATERIAL SEE BOM</td> <td colspan="2" style="text-align: center;">THIRD ANGLE PROJECTION</td> <td colspan="2" style="text-align: center;"> <b>UNISEN, INC. DBA</b>   </td> </tr> <tr> <td colspan="2" style="text-align: center;">FINISH N/A</td> <td style="text-align: center;">DRAWN</td> <td style="text-align: center;">INITIAL EX</td> <td style="text-align: center;">DATE 10-13-08</td> <td style="text-align: center;">STARTRAC PART NO <b>740-7207</b></td> </tr> <tr> <td colspan="2" style="text-align: center;">VENDOR:</td> <td colspan="2" style="text-align: center;">P/N:</td> <td colspan="2" style="text-align: center;">TITLE ASSY, SPINNER, BRAKE PAD</td> </tr> <tr> <td colspan="2" style="text-align: center;">U.O.M.</td> <td colspan="2" style="text-align: center;">MM</td> <td style="text-align: center;">SCALE: 1:3</td> <td style="text-align: center;">REV <b>G</b></td> </tr> <tr> <td colspan="2" style="text-align: center;">SHEET 1 OF 1</td> <td colspan="2" style="text-align: center;">SHEET SIZE: A</td> <td colspan="2"></td> </tr> </table>					MATERIAL SEE BOM		THIRD ANGLE PROJECTION		<b>UNISEN, INC. DBA</b> 		FINISH N/A		DRAWN	INITIAL EX	DATE 10-13-08	STARTRAC PART NO <b>740-7207</b>	VENDOR:		P/N:		TITLE ASSY, SPINNER, BRAKE PAD		U.O.M.		MM		SCALE: 1:3	REV <b>G</b>	SHEET 1 OF 1		SHEET SIZE: A				14410 Myford Road Irvine CA 92606				A											
MATERIAL SEE BOM		THIRD ANGLE PROJECTION		<b>UNISEN, INC. DBA</b> 																																															
FINISH N/A		DRAWN	INITIAL EX	DATE 10-13-08	STARTRAC PART NO <b>740-7207</b>																																														
VENDOR:		P/N:		TITLE ASSY, SPINNER, BRAKE PAD																																															
U.O.M.		MM		SCALE: 1:3	REV <b>G</b>																																														
SHEET 1 OF 1		SHEET SIZE: A																																																	
10	9	8	7	6	5	4	3	2	1																																										

REVISION HISTORY				
REV	DATE	DESCRIPTION	ECO	BY
F	10-21-09	RELEASE FOR PRODUCTION	12269	AK



ITEM NO.	PART NUMBER	DESCRIPTION	Q'TY.
1	140-3287	CUSHION, BRAKE KNOB	1
2	140-3288	NUT, BLOCK, BRAKE, SPINNER NXT	1
3	740-7124	SPRING, BRAKE KNOB	1
4	740-7178	NUT, M10X1.5, HE, SS	1
5	740-7189	NUT, M10X1.5, ACORN, SS	1
6	740-7219	KNOB, TENSION, BRAKE, NXT/E-SPINNER	1

**DOCUMENT STATUS:  
RELEASE**

NOTICE OF PROPRIETARY INFORMATION  
THIS DOCUMENT SHALL NOT BE REPRODUCED NOR SHALL THE INFORMATION CONTAINED HEREIN BE USED BY OR DISCLOSED TO OTHER EXCEPT AS EXPRESSLY AUTHORIZED BY UNISEN INC. D.B.A. STAR TRAC.

CLASS OF WORK	UNLESS OTHERWISE SPECIFIED DIMS ARE IN mm. TOLERANCES FOR MEASURE OF LENGTH ARE:								MATERIAL SEE BOM
	0.5 to 3	> 3 to 6	> 6 to 30	> 30 to 120	> 120 to 400	> 400 to 1000	> 1000 to 2000	> 2000	
FINE	±0.05	±0.05	±0.1	±0.15	±0.2	±0.3	±0.5	-----	FINISH N/A
MEDIUM	±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2	
COARSE	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	±4	
VERY COARSE	-----	±0.5	±1	±1.5	±2.5	±4	±6	±8	

**MATERIAL**  
SEE BOM

**FINISH**  
N/A

**VENDOR:** N/A

**P/N:** 321-4-2300-00

THIRD ANGLE PROJECTION		
	INITIAL	DATE
DRAWN	JC	10-20-2008
CHECKED		
APPROVED		

**UNISEN, INC. DBA**  
**STAR TRAC**  
14410 Myford Road  
Irvine CA 92606

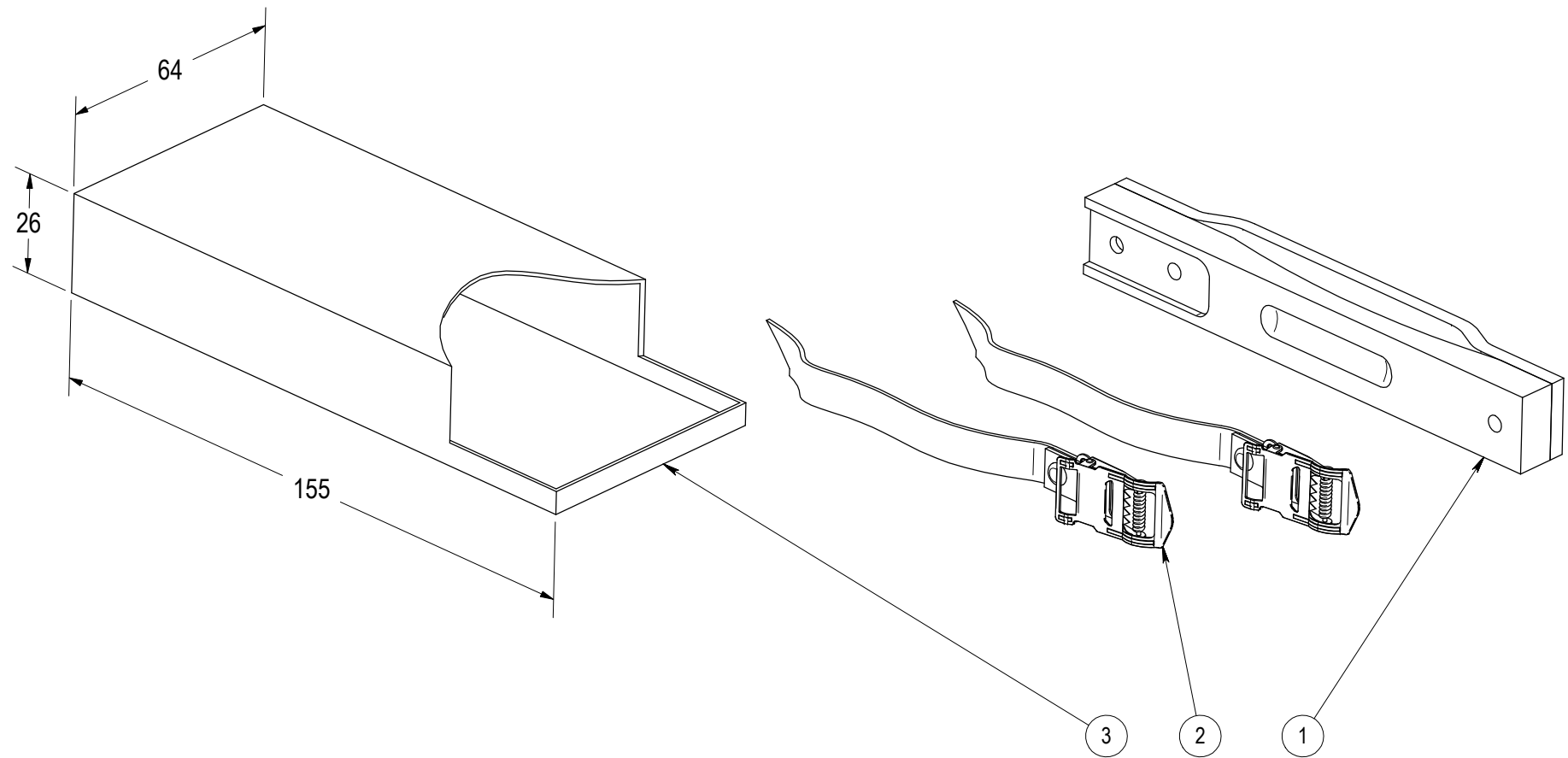
STARTRAC PART NO: **740-7223**

TITLE: **ASSY, BRAKE, ADJUSTMENT KNOB**

SCALE: 1:2.5 | SHEET 1 OF 1 | SHEET SIZE: B



REVISION HISTORY				
REV	DATE	DESCRIPTION	ECO	BY
G	04-07-10	UPDATE EXPLODED VIEW, UPDATE BOM	13141	VW



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	740-6872	KIT, ASSY, PAD, BRAKE, SPINNER, 7090/80/70/60	1
2	740-7307	STRAP, PEDAL, PRO	2
3	740-7323-001	CARTON, SPARE KIT	1

**DOCUMENT STATUS:  
RELEASE**

NOTICE OF PROPRIETARY INFORMATION

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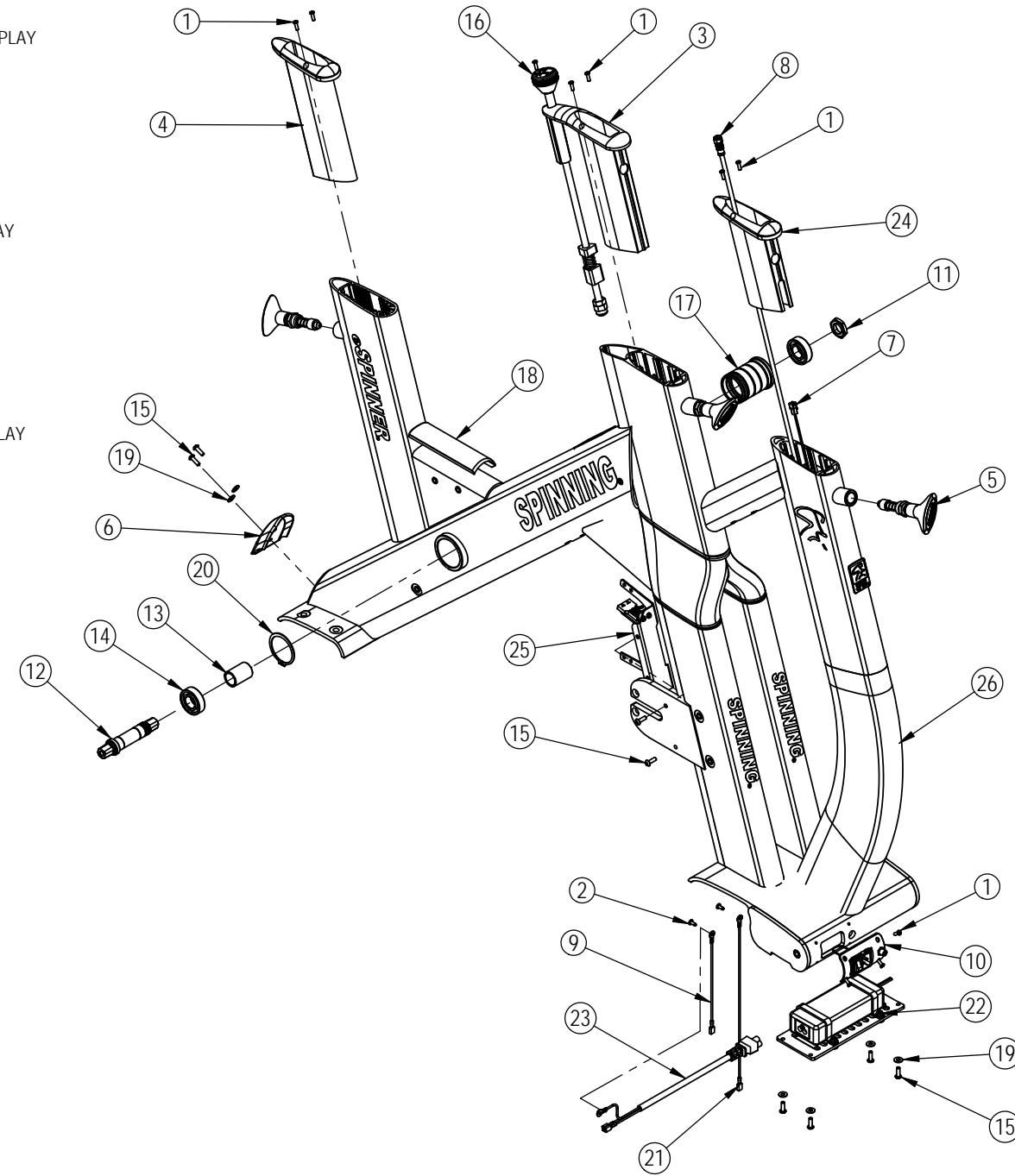
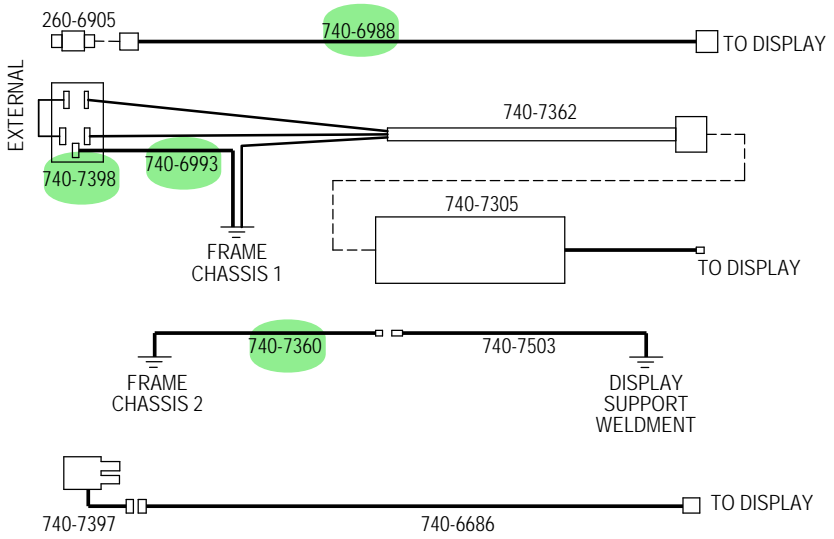
CLASS OF WORK	UNLESS OTHERWISE SPECIFIED DIMS ARE IN mm. TOLERANCES FOR MEASURE OF LENGTH ARE:							ANGLES = ±2°		
	0.5 to 3	> 3 to 6	> 6 to 30	> 30 to 120	> 120 to 400	> 400 to 1000	> 1000 to 2000	> 2000		
FINE	±0.05	±0.05	±0.1	±0.15	±0.2	±0.3	±0.5	----		
MEDIUM	±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2		
COARSE	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	±4		
VERY COARSE	----	±0.5	±1	±1.5	±2.5	±4	±6	±8		

<b>MATERIAL</b> SEE BOM	<b>FINISH</b> N/A	<b>VENDOR:</b> N/A	<b>P/N:</b> N/A
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THIRD ANGLE PROJECTION		
	DRAWN	DATE
	INITIAL	DATE
	DMM	12/10/09
CHECKED		
APPROVED		
	U.O.M.	MM

<b>UNISEN, INC. DBA</b>		14410 Myford Road Irvine CA 92606	
STARTRAC PART NO		REV	
<b>740-7323</b>		<b>G</b>	
TITLE			
<b>KIT, SPARE, BRAKE PAD</b>			
SCALE: 1:1.5	SHEET 1 OF 1	SHEET SIZE: B	

REVISION HISTORY				
REV	DATE	DESCRIPTION	ECO	BY
A	4-15-2009	RELEASE FOR PRODUCTION		JC
F	7/16/2010	SKIP REV B-G; ADDED BOM.	13372	FJM



ITEM NO	PART NUMBER	DESCRIPTION	QTY
1	110-3272	BOLT, B18.0.7M-M4X0.7X12 TYPE I CROSS	11
2	110-3404	SCREW, M4x0.7x10L,PHT,PH,CS,BO	2
3	727-0008	SLEEVE, HANDLEBAR POST, SPINNER NXT	1
4	727-0009	SLEEVE, SEATPOST, SPINNER, NXT	1
5	727-0010	ASSY, POP PIN, NXT/E-SPINNER	3
6	727-0012	PAD, STRETCH, NXT/E-SPINNER	1
7	740-6986	E-SPINNER, RPM CONNECTOR CABLE	1
8	740-6988	CABLE, COAX, E-SPINNER BASE	1
9	740-6993	CABLE, GROUND, CHASSIS-SWITCH (300MM)	1
10	740-7004	ASSY,POWER SWITCH, E-SPINNER	1
11	740-7159	NUT, AXLE B/B	1
12	740-7160	B/B AXLE	1
13	740-7161	SPACER, AXLE, B/B	1
14	740-7170	BEARING, 20 ID, 42 OD, 12THK	2
15	740-7183	SCREW,M5X0.8X16,BHC,HE,SS	8
16	740-7223	ASSY, BRAKE, ADJUSTMENT KNOB	1
17	740-7246	SPACER, NXT FRAME, HUB	1
18	740-7292	STEP, PROTECTOR, NXT/E-SPINNER	1
19	740-7293	WASHER, ID 5.5MM, OD 13MM, SS	6
20	740-7302	SPRING RING, B27.7M-3AM1-48	1
21	740-7360	CABLE, GROUND, CHASSIS-NECK (1260MM)	1
22	740-7361	TRANSFORMER ASSY	1
23	740-7362	CABLE, POWER SUPPLY, E-SPINNER	1
24	740-7368	SLEEVE,CONSOLE SUPPORT	1
25	740-7395	SENSOR ASSY	1
26	740-7737	ASSY, FRAME W/LOGOS, E-SPINNER	1

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**DOCUMENT STATUS:**

NOTES:

CLASS OF WORK	UNLESS OTHERWISE SPECIFIED DIMS ARE IN mm. TOLERANCES FOR MEASURE OF LENGTH ARE:							ANGLES = ±2°
	0.5 to 3	> 3 to 6	> 6 to 30	> 30 to 120	> 120 to 400	> 400 to 1000	> 1000 to 2000	
FINE	±0.05	±0.05	±0.1	±0.15	±0.2	±0.3	±0.5	----
MEDIUM	±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2
COARSE	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	±4
VERY COARSE	----	±0.5	±1	±1.5	±2.5	±4	±6	±8

MATERIAL SEE BOM	THIRD ANGLE PROJECTION 
FINISH N/A	DRAWN: FJM, DATE: 1-20-2009
VENDOR:	APPROVED:
P/N:	U.O.M.: MM

UNISEN, INC. DBA 14410 Myford Road Irvine CA 92606

**STAR TRAC**

STARTRAC PART NO: **740-7340** REV: **F**

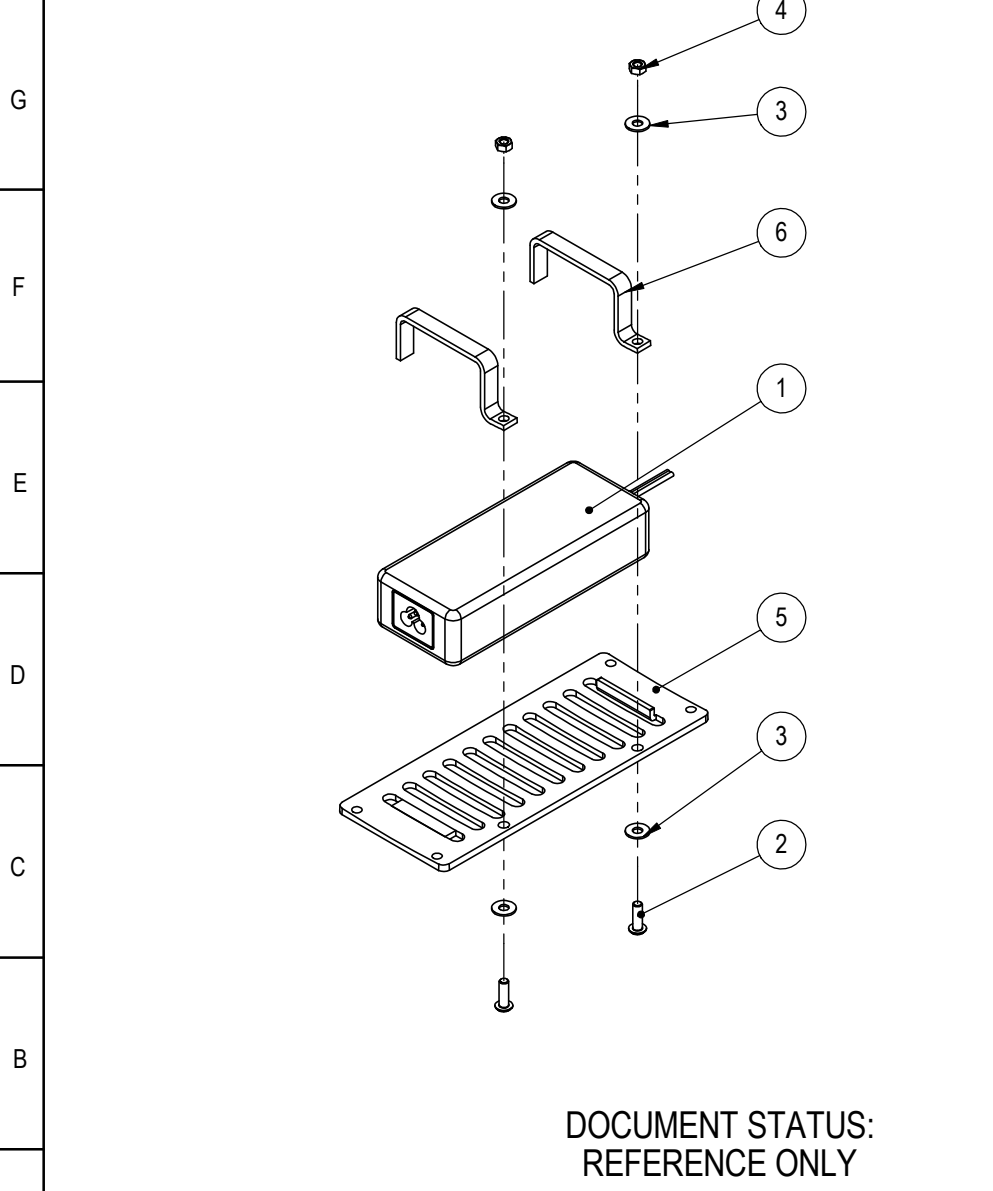
TITLE: **MAIN FRAME ASSY**

SCALE: 1:10 | SHEET 1 OF 1 | SHEET SIZE: B

10 9 8 7 6 5 4 3 2 1

H NOTES:

REVISION HISTORY				
REV	DATE	DESCRIPTION	ECO	BY
CS001	05/06/11	CUSTOMER SUPPORT REFERENCE RELEASE	N/A	JEB



DOCUMENT STATUS:  
REFERENCE ONLY

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	740-6985	TRANSFORMER, E-SP, POWER SUPPLY	1
2	740-7183	SCREW, M5X0.8X16, BHC, HE, SS	2
3	740-7293	WASHER, ID 5.5MM, OD 13MM, SS	4
4	740-7333	NUT, M5X0.8, HEX HEAD, SS	2
5	740-7359	PLATE, TRANSFORMER	1
6	740-7363	BRACKET, TRANSFORMER FIXED	2

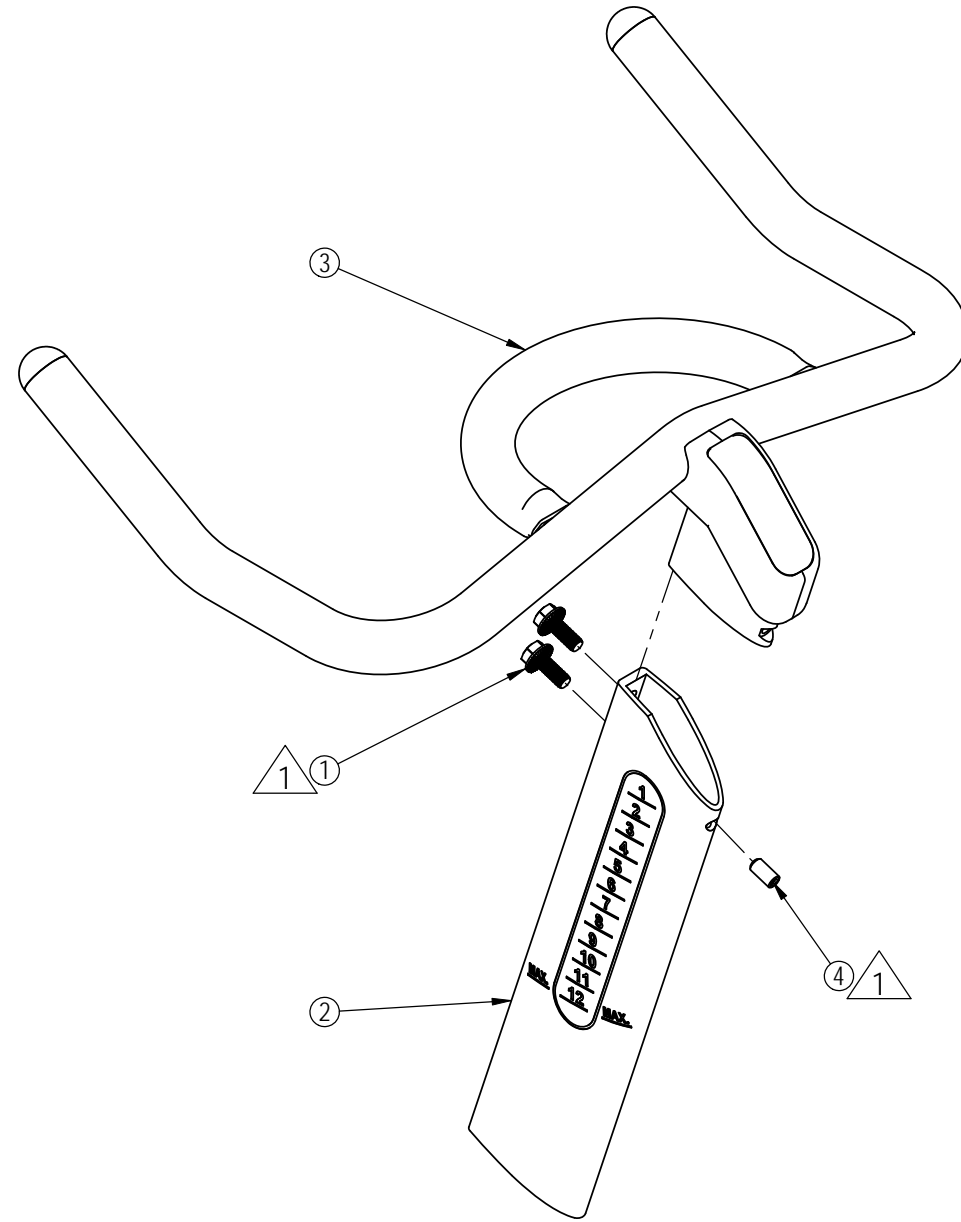
THIRD ANGLE PROJECTION		CORE INDUSTRIES, INC. DBA		
		14410 Myford Road Irvine CA 92606		
DRAWN	INITIAL JEB	DATE 05/06/11	STARTRAC PART NO. <b>740-7361</b>	REV <b>CS1</b>
CHECKED			TITLE <b>TRANSFORMER ASSY</b>	
APPROVED			SCALE: 1:4	SHEET 1 OF 1
	U.O.M.	INCH	SHEET 1 OF 1	SHEET SIZE: A

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10 9 8 7 6 5 4 3 2 1

REVISION HISTORY				
REV	DATE	DESCRIPTION	ECO	BY
A	6/16/2011	RELEASE FOR PRODUCTION	13468	DMM



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 BY OR DISCLOSED TO OTHER EXCEPT AS EXPRESSLY  
 AUTHORIZED BY UNISEN INC. D.B.A. STAR TRAC.

**DOCUMENT STATUS:**

ITEM NO	PART NUMBER	DESCRIPTION	Q'TY
1	110-3462	SCREW,NP, FLANGE, SERRATED, M8X1.25, 20mm	2
2	740-6861	POST, HANDLEBAR, NXT, 7090	1
3	740-6990	ASSY, HANDLE BAR, DIP	1
4	740-7295	SCREW, M8X1.25X16 CP SET, HE, SS	1

**NOTES:**

1. ALLOW AT LEAST 12 HRS FOR THE  
 LOCTITE TO CURE PRIOR TO USE.

CLASS OF WORK	UNLESS OTHERWISE SPECIFIED DIMS ARE IN mm. TOLERANCES FOR MEASURE OF LENGTH ARE:							ANGLES = ±2°		
	0.5 to 3	> 3 to 6	> 6 to 30	> 30 to 120	> 120 to 400	> 400 to 1000	> 1000 to 2000	> 2000		
FINE	±0.05	±0.05	±0.1	±0.15	±0.2	±0.3	±0.5	----		
MEDIUM	±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2		
COARSE	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	±4		
VERY COARSE	----	±0.5	±1	±1.5	±2.5	±4	±6	±8		

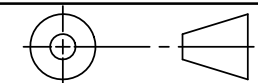
**MATERIAL**  
 SEE BOM

**FINISH**  
 N/A

VENDOR:

P/N:

THIRD ANGLE PROJECTION



DRAWN	INITIAL	DATE
CHECKED		
APPROVED		

**UNISEN, INC. DBA** 14410 Myford Road  
 Irvine CA 92606

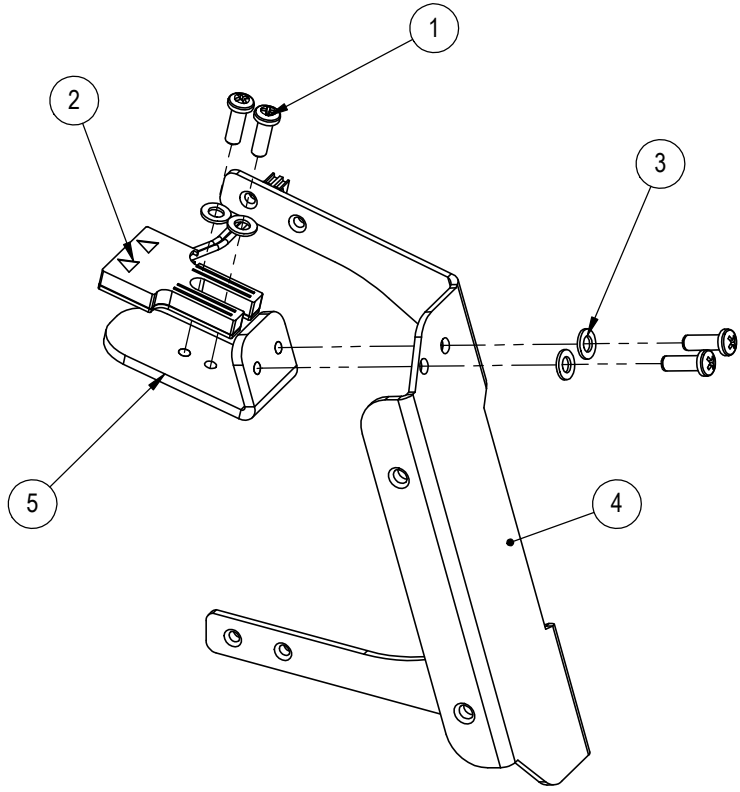
STARTRAC PART NO	REV
740-7388	A
TITLE	
ASSY, HANDLE BAR, E-SPINNER	
SCALE: 1:10	SHEET 1 OF 1
SHEET SIZE: B	

10 9 8 7 6 5 4 3 2 1

H NOTES:

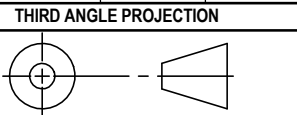
**REVISION HISTORY**

REV	DATE	DESCRIPTION	ECO	BY
CS001	11/09/11	CUSTOMER SUPPORT REFERENCE RELEASE	N/A	JEB



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	110-3272	BOLT, B18.0.7M-M4X0.7X12 TYPE I CROSS	4
2	740-6987	SENSOR, RPM, E-SPINNER	1
3	740-7163	WASHER, FLAT, M4, SS	4
4	740-7394	BRACKET CHAIN GUARD INSIDE	1
5	740-7396	BRACKET, SWITCH FIXED	1

**DOCUMENT STATUS:  
REFERENCE ONLY**



**CORE INDUSTRIES, INC. DBA**  
  
 14410 Myford Road  
 Irvine CA 92606

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DRAWN	INITIAL JEB	DATE 11/09/11	STARTRAC PART NO <b>740-7395</b>	REV <b>CS01</b>
CHECKED			TITLE <b>SENSOR ASSY</b>	
APPROVED			SCALE: 1:2	SHEET 1 OF 1
	U.O.M.	INCH		SHEET SIZE: A

10 9 8 7 6 5 4 3 2 1

A

A

B

B

C

C

D

D

E

E

F

F

G

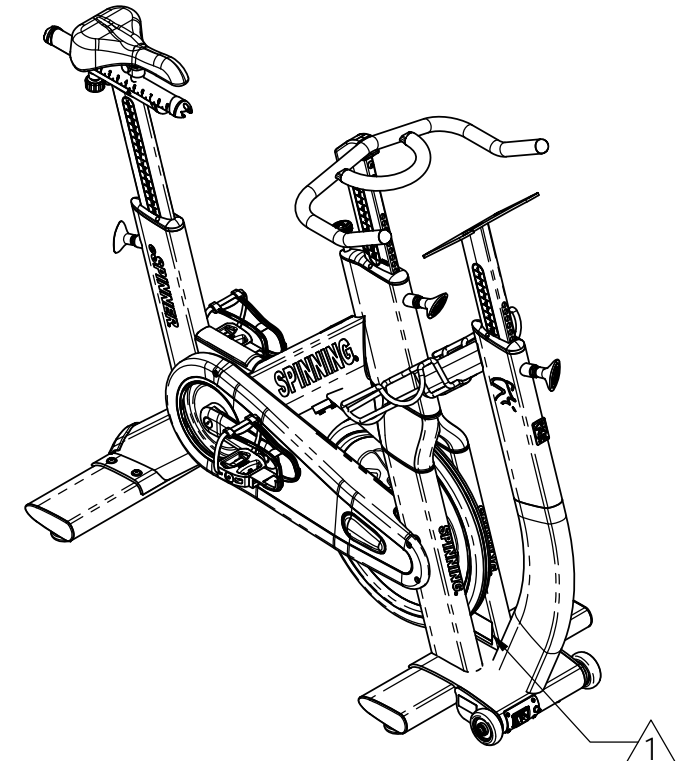
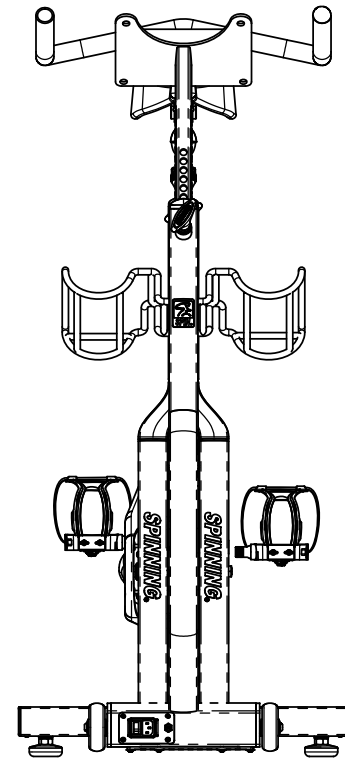
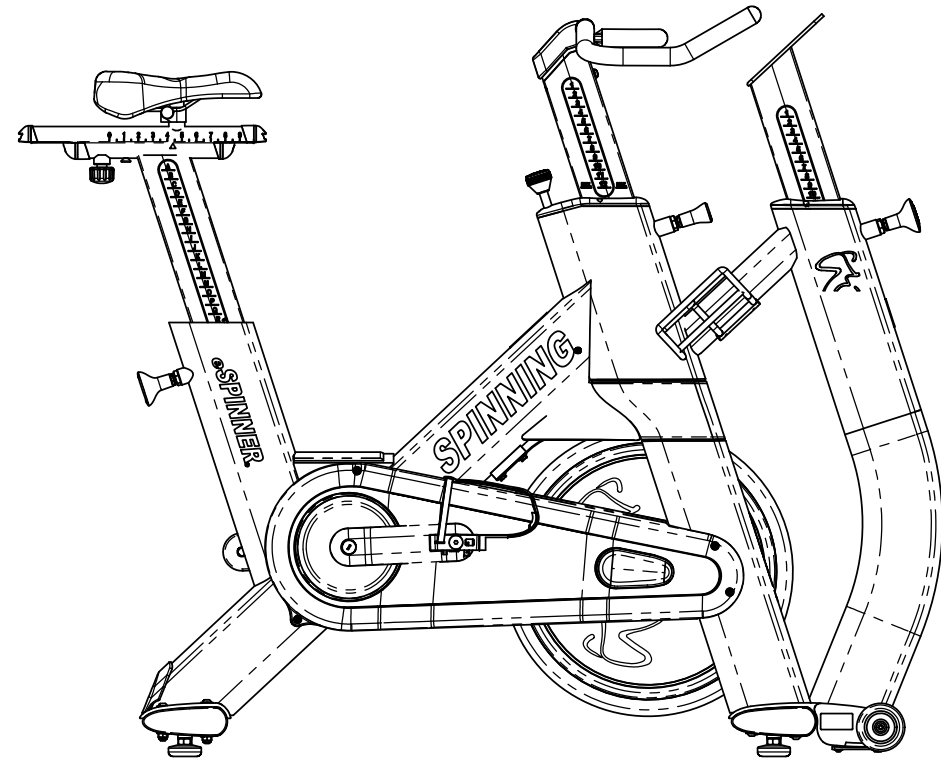
G

H

H



REVISION HISTORY				
REV	DATE	DESCRIPTION	ECO	BY
A	4-15-2009	RELEASE FOR PRODUCTION	-	JC
F	7/16/2010	SKIP REV B-E; ADDED BOM	13372	FJM



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**DOCUMENT STATUS:**

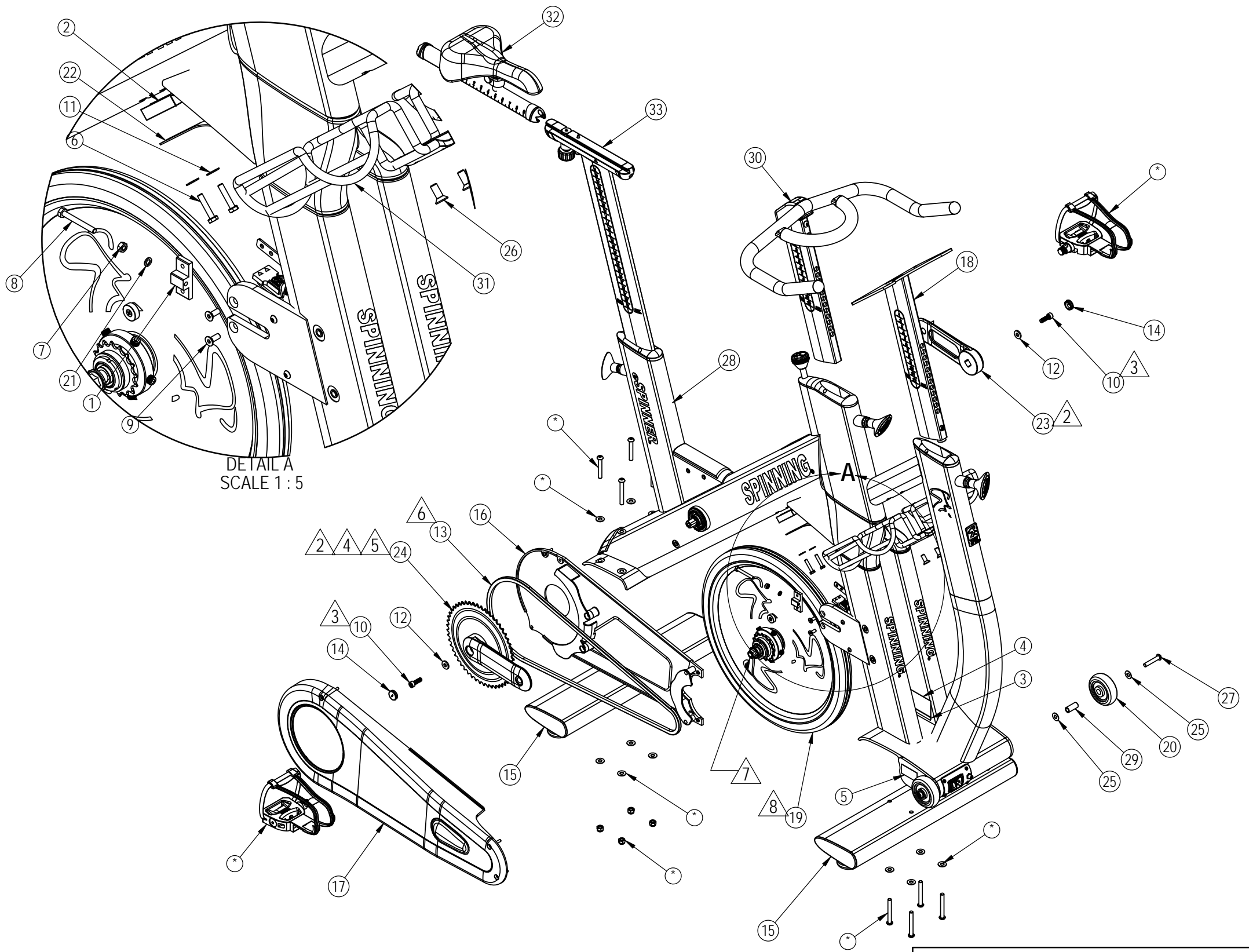
- NOTES:  
 1. Label to contain the following information:  
 1. SKU: 9-7140-MINTPO  
 2. S/N: PER SOP 622-200-110  
 3. MFG DATE: MM-YYYY

CLASS OF WORK	UNLESS OTHERWISE SPECIFIED DIMS ARE IN mm. TOLERANCES FOR MEASURE OF LENGTH ARE:							ANGLES = ±2°		
	0.5 to 3	> 3 to 6	> 6 to 30	> 30 to 120	> 120 to 400	> 400 to 1000	> 1000 to 2000	> 2000		
FINE	±0.05	±0.05	±0.1	±0.15	±0.2	±0.3	±0.5	----		
MEDIUM	±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2		
COARSE	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	±4		
VERY COARSE	----	±0.5	±1	±1.5	±2.5	±4	±6	±8		

<b>MATERIAL</b> SEE BOM	<b>THIRD ANGLE PROJECTION</b> 	
<b>FINISH</b> N/A	INITIAL FJM	DATE 07-09-10
<b>VENDOR:</b> N/A	<b>P/N:</b> N/A	
	U.O.M. MM	

<b>UNISEN, INC. DBA</b> 14410 Myford Road Irvine CA 92606		
STARTRAC PART NO <b>740-7455</b>	REV <b>F</b>	
TITLE <b>E-SPINNER 7140, BASE W/OUT DISPL</b>		
SCALE: 1:12	SHEET 1 OF 2	SHEET SIZE: B

ITEM NO	PART NUMBER	DESCRIPTION	Q'TY
1	020-6603	BLOCK, FLYWHEEL ADJUSTMENT, SPINNER	2
2	020-6618	BLOCK, BRAKE, SPINNER NXT	1
3	050-2115	LABEL, COUNTRY OF ORIGIN	1
4	050-2172	LABEL, SERIAL E-SPINNER	1
5	050-2173	LABEL, PATENTS, eSPINNER	1
6	110-3318	SCREW, M6X1, 30MM, HHM,SS	2
7	110-3325	NUT, HEX, M6X1	2
8	110-3326	SCREW, M6X1, 50MM, HHM, SS	2
9	110-3328	SCREW, M6X1, 16MM, FHM, HE	4
10	110-3464	SCREW, M8X1.0X25MM, SHC, HK, BO	2
11	120-3286	WASHER, 6MMX1MM	2
12	120-3325	WASHER, FLAT, ID 8.23MM, OD 19.68MM, 2.75THK	2
13	130-1716	CHAIN, BMX-410 HX, 110 LINK	1
14	140-3322	CAP, CRANK, W/M22X1.0 SCREW	2
15	727-0003	ASSY, REAR LEG, NXT/E-SPINNER	2
16	740-6905	KIT, ASSY, CHAIN GUARD, INNER, 7090	1
17	740-6908	KIT, ASSY, CHAIN GUARD, OUTER, 7090	1
18	740-6998	ASSY, E-SPINNER, CONSOLE, POST	1
19	740-7003	ASSY, FLYWHEEL, W/CLUTCH, E-SP	1
20	740-7026	WHEEL, 3" X 1" X 1/2" BORE	2
21	740-7167	WASHER, LOCK, SPLIT, M6	2
22	740-7207	ASSY, SPINNER, BRAKE PAD	1
23	740-7284	CRANK-LEFT, NXT	1
24	740-7285	ASSY, WELDED, CRANK-RIGHT	1
25	740-7294	WASHER, PLAIN, 8MM	4
26	740-7299	BOLT, B18.3.5M - 8X1.25X16 SOCKET FCHS--16N	2
27	740-7330	BOLT, M8X1.25, 45MM, BHC, HE, SS	2
28	740-7340	MAIN FRAME ASSY	1
29	740-7358	SPACER, WHEEL, E-SPINNER	2
30	740-7388	ASSY, HANDLE BAR, E-SPINNER	1
31	740-7390	BOTTLE HOLDER ASSY, WELD	1
32	740-7529	ASSY, SEAT ADJUST, NXT/e-SPINNER	1
33	740-7530	ASSY, SEAT POST, REAR, NXT/e-SPINNER	1



- NOTES:
- Items with "\*" (asterisk) balloons are shown for reference only. They are accounted for in the hardware kit.
  - Cranks to be pressed onto the shaft with 10,000 lbs force.
  - Crank bolts torque to be 40 ft-lbs (410 kgf.cm).
  - Run-out of right hand crank/sprocket assembly not to exceed 1 mm.
  - The front and rear sprocket must be aligned with in 1mm.
  - Chain tension to be adjusted to allow 25 ±5 mm deflection.
  - Flywheel locknuts torque to be 40 ft-lbs (410 kgf.cm).
  - Flywheel run-out not to exceed 1 mm.

UNISEN, INC. DBA 14410 Myford Road  
**STAR TRAC** Irvine CA 92606

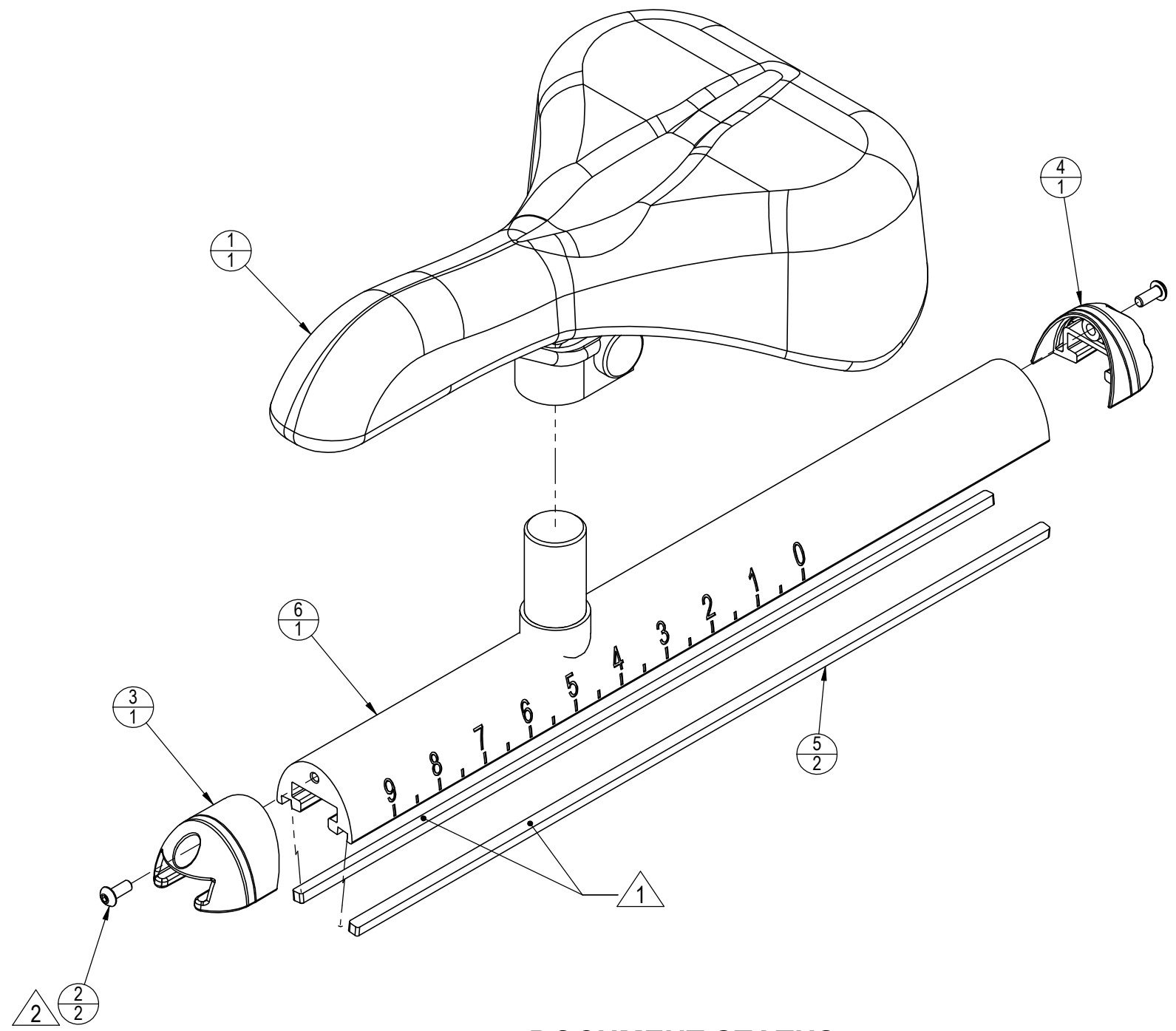
STARTRAC PART NO  
**740-7455**

REV  
**F**

TITLE  
**E-SPINNER 7140, BASE W/OUT DISPL**

SCALE: 1:10 | SHEET 2 OF 2 | SHEET SIZE: B

REVISION HISTORY				
REV	DATE	DESCRIPTION	ECO	BY
A	04-07-10	PRODUCTION RELEASE	13141	SJK



NOTICE OF PROPRIETARY INFORMATION  
 THIS DOCUMENT SHALL NOT BE REPRODUCED NOR SHALL THE INFORMATION CONTAINED HEREIN BE USED BY OR DISCLOSED TO OTHER EXCEPT AS EXPRESSLY AUTHORIZED BY UNISEN INC, D.B.A. STAR TRAC.

**DOCUMENT STATUS:  
 RELEASE**

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	727-0022	SADDLE, SPIN, NXT, E, ELITE	1
2	740-7181	SCREW, M4X0.7X10, BHC, HE, SS	2
3	740-7272	ENDCAP, FRONT, SEAT SLIDER	1
4	740-7273	ENDCAP, REAR, SEAT SLIDER	1
5	740-7274	SHIM, SEAT SLIDER, RIGHT, NXT	2
6	740-7527	SEAT SLIDER, RAIL, TOP, WELDMENT	1

- NOTES:
1. APPLY LOCTITE 411 OR ENGINEERING APPROVED EQUIV. BEFORE APPLICATION OF P/N: 740-7274.
  2. APPLY LOCTITE 290 (GREEN) OR ENGINEERING APPROVED EQUIV. BEFORE APPLICATION OF P/N: 740-7181.

CLASS OF WORK	UNLESS OTHERWISE SPECIFIED DIMS ARE IN mm. TOLERANCES FOR MEASURE OF LENGTH ARE:							
	0.5 to 3	>3 to 6	>6 to 30	>30 to 120	>120 to 400	>400 to 1000	>1000 to 2000	>2000
FINE	±0.05	±0.05	±0.1	±0.15	±0.2	±0.3	±0.5	-----
MEDIUM	±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2
COARSE	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	±4
VERY COARSE	-----	±0.5	±1	±1.5	±2.5	±4	±6	±8

<b>MATERIAL</b> SEE BOM		<b>THIRD ANGLE PROJECTION</b> 	
<b>FINISH</b> N/A		DRAWN	DATE
VENDOR: N/A		SJK	01/11/10
P/N: N/A		CHECKED	
		APPROVED	
		U.O.M.	mm

**UNISEN, INC. DBA** 14410 Myford Road  
 Irvine CA 92606

**STAR TRAC**

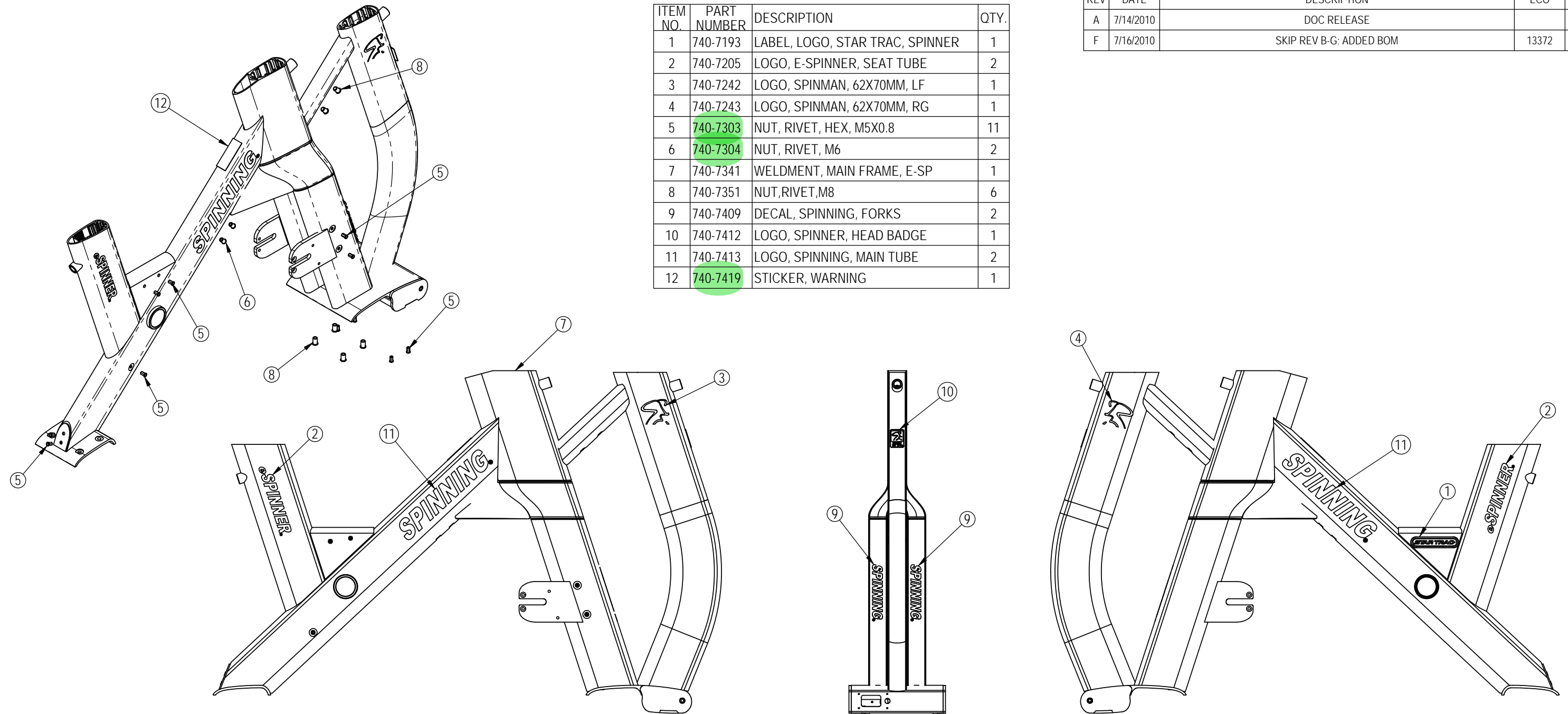
STARTRAC PART NO: **740-7529** REV: **A**

TITLE: **ASSY, SEAT ADJUST, NXT/e-SPINNER**

SCALE: 1:2 | SHEET 1 OF 1 | SHEET SIZE: B

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	740-7193	LABEL, LOGO, STAR TRAC, SPINNER	1
2	740-7205	LOGO, E-SPINNER, SEAT TUBE	2
3	740-7242	LOGO, SPINMAN, 62X70MM, LF	1
4	740-7243	LOGO, SPINMAN, 62X70MM, RG	1
5	740-7303	NUT, RIVET, HEX, M5X0.8	11
6	740-7304	NUT, RIVET, M6	2
7	740-7341	WELDMENT, MAIN FRAME, E-SP	1
8	740-7351	NUT, RIVET, M8	6
9	740-7409	DECAL, SPINNING, FORKS	2
10	740-7412	LOGO, SPINNER, HEAD BADGE	1
11	740-7413	LOGO, SPINNING, MAIN TUBE	2
12	740-7419	STICKER, WARNING	1

REVISION HISTORY				
REV	DATE	DESCRIPTION	ECO	BY
A	7/14/2010	DOC RELEASE		FJM
F	7/16/2010	SKIP REV B-G; ADDED BOM	13372	FJM



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**DOCUMENT STATUS:**

NOTES:

CLASS OF WORK	UNLESS OTHERWISE SPECIFIED DIMS ARE IN mm. TOLERANCES FOR MEASURE OF LENGTH ARE:							ANGLES = ±2°
	0.5 to 3	> 3 to 6	> 6 to 30	> 30 to 120	> 120 to 400	> 400 to 1000	> 1000 to 2000	
FINE	±0.05	±0.05	±0.1	±0.15	±0.2	±0.3	±0.5	----
MEDIUM <b>X</b>	±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2
COARSE	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	±4
VERY COARSE	----	±0.5	±1	±1.5	±2.5	±4	±6	±8

**MATERIAL**  
SEE BOM

**FINISH**  
N/A

VENDOR: \_\_\_\_\_ P/N: \_\_\_\_\_

THIRD ANGLE PROJECTION		
DRAWN	INITIAL FJM	DATE 07-10-10
CHECKED		
APPROVED		
	U.O.M.	MM

**UNISEN, INC. DBA**  
  
 14410 Myford Road  
 Irvine CA 92606

STARTRAC PART NO: **740-7737** REV: **F**

TITLE: **ASSY, FRAME W/LOGOS, E-SPINNER**

SCALE: 1:10 | SHEET 1 OF 1 | SHEET SIZE: B



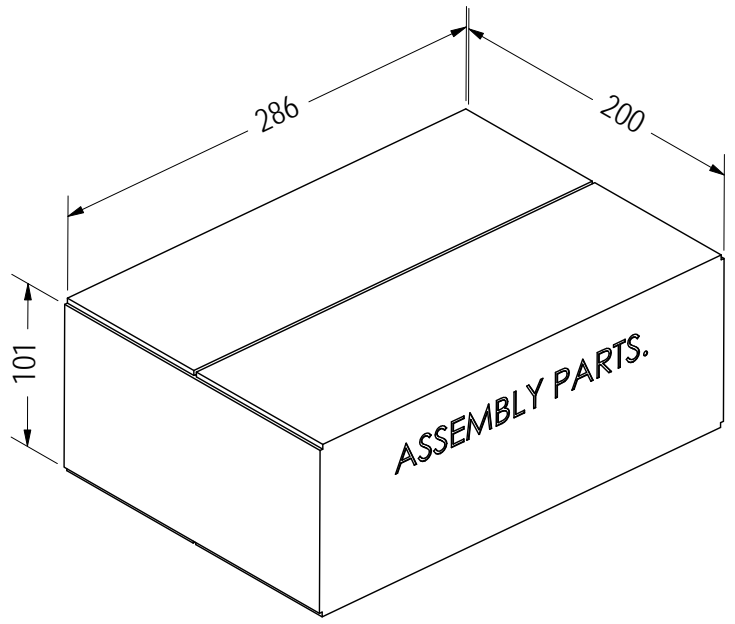
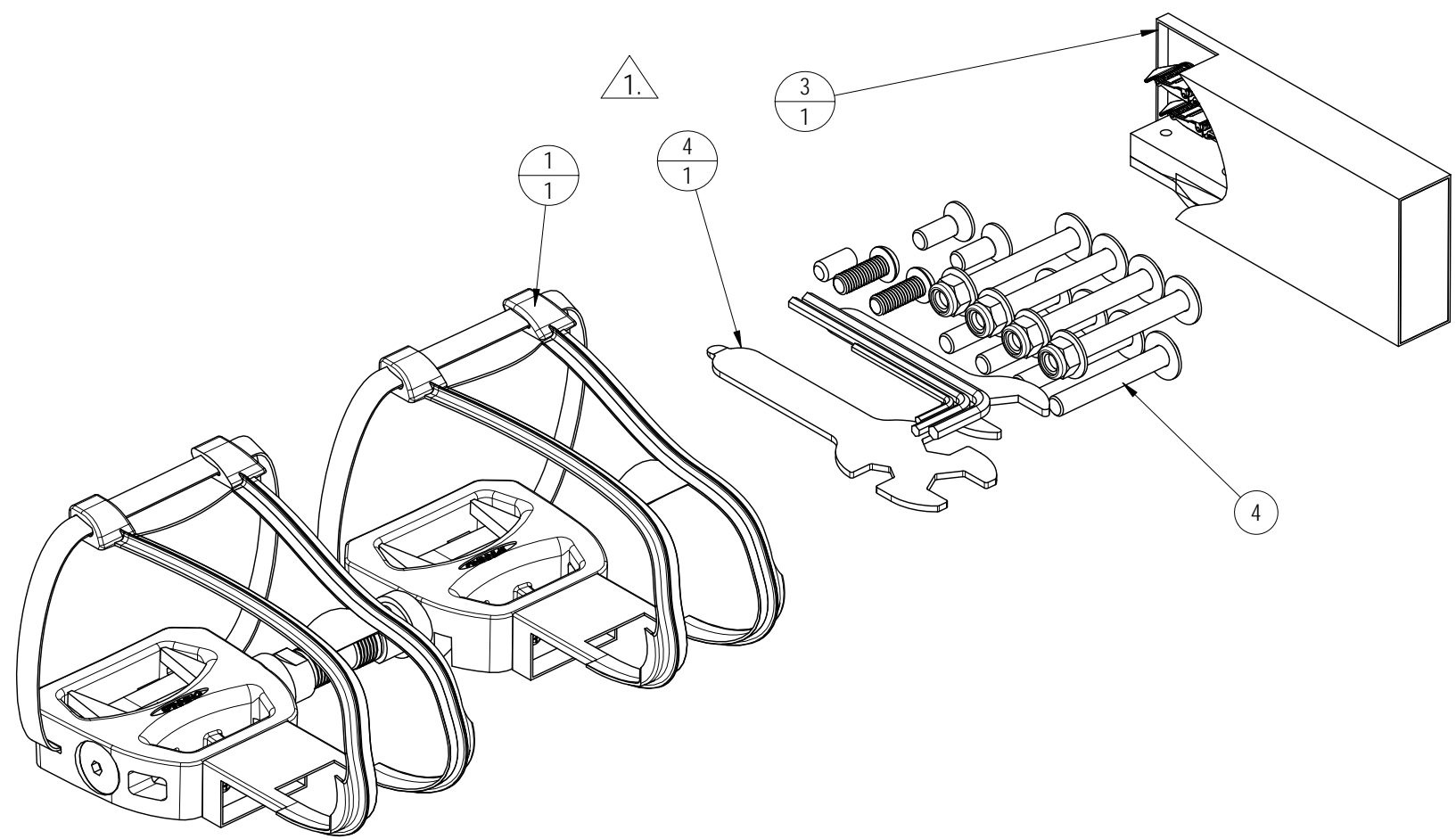
9 8 7 6 5 4 3 2 1

NOTE:  
 1. ALL COMPONENT SHOULD PUT INTO ASSEMBLY BOX

REVISION HISTORY				
REV	DATE	DESCRIPTION	ECO	BY
F	04-07-10	SKIP REV A-E; ADDED BOM	13372	FJM

ASSEMBLY PARTS.

2  
1



ITEM NO	PART NUMBER	DESCRIPTION	Q'TY
1	740-6898	KIT, SET, PEDAL, SPD, 7090/7080/7070	1
2	740-7315	CARTON, ASSEMBLY PARTS, SPINNER	1
3	740-7323	KIT, SPARE, BRAKE PAD	1
4	740-7459	KIT, HARDWARE, E-SPINNER	1

**DOCUMENT STATUS:**

NOTICE OF PROPRIETARY INFORMATION  
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CLASS OF WORK	UNLESS OTHERWISE SPECIFIED DIMS ARE IN mm. TOLERANCES FOR MEASURE OF LENGTH ARE:							ANGLES = ±2°		
	0.5 to 3	> 3 to 6	> 6 to 30	> 30 to 120	> 120 to 400	> 400 to 1000	> 1000 to 2000	> 2000		
FINE	±0.05	±0.05	±0.1	±0.15	±0.2	±0.3	±0.5	----		
MEDIUM	±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2		
COARSE	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	±4		
VERY COARSE	----	±0.5	±1	±1.5	±2.5	±4	±6	±8		

**MATERIAL**  
SEE BOM

**FINISH**  
N/A

**VENDOR:** P/N: N/A

THIRD ANGLE PROJECTION		
DRAWN	INITIAL	DATE
CHECKED		
APPROVED		

**UNISEN, INC. DBA**  
**STAR TRAC**  
 14410 Myford Road  
 Irvine CA 92606

STARTRAC PART NO: **740-7783** REV: **F**

TITLE: **KIT, ASSEMBLY PARTS, E-SPINNER**

SCALE: 1:2.5 | SHEET 1 OF 1 | SHEET SIZE: B

9 8 7 6 5 4 3 2 1

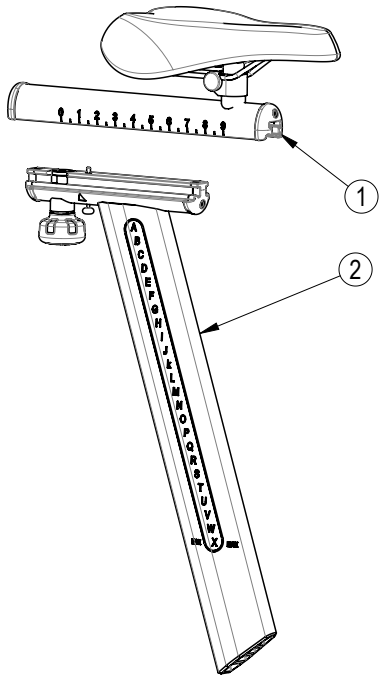


10 9 8 7 6 5 4 3 2 1

H NOTES:

REVISION HISTORY				
REV	DATE	DESCRIPTION	ECO	BY
A	2/2/2012	PRODUCTION RELEASE	13652	DMM

G  
F  
E  
D  
C  
B  
A



H  
G  
F  
E  
D  
C  
B  
A

CLASS OF WORK	FINE	MEDIUM	COARSE	VERY COARSE
			X	

UNLESS OTHERWISE SPECIFIED DIMS ARE IN mm. TOLERANCES FOR MEASURE OF LENGTH ARE: ANGLES ±2°	0.5 to 3	±0.05	±0.1	±0.2	----
	> 3 to 6	±0.05	±0.1	±0.3	±0.5
	> 6 to 30	±0.1	±0.2	±0.5	±1
	> 30 to 120	±0.15	±0.3	±0.8	±1.5
	> 120 to 400	±0.2	±0.5	±1.2	±2.5
	> 400 to 1000	±0.3	±0.8	±2	±4
	> 1000 to 2000	±0.5	±1.2	±3	±6
	> 2000	----	±2	±4	±8

**DOCUMENT STATUS:**

NOTICE OF PROPRIETARY INFORMATION  
 THIS DOCUMENT SHALL NOT BE REPRODUCED NOR SHALL THE INFORMATION CONTAINED HEREIN BE USED BY OR DISCLOSED TO OTHER EXCEPT AS EXPRESSLY AUTHORIZED BY CORE INDUSTRIES INC. D.B.A. STAR TRAC.

MATERIAL  
SEE BOM

FINISH  
N/A

VENDOR: P/N:

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	740-8271	ASSY, SEAT, W/ SLIDER	1
2	740-8273	ASSY, SEAT, W/ SLIDER	1

THIRD ANGLE PROJECTION

DRAWN	INITIAL DMM	DATE 02/02/2012
CHECKED		
APPROVED		

CORE INDUSTRIES INC., DBA  
  
 14410 Myford Road  
 Irvine CA 92606

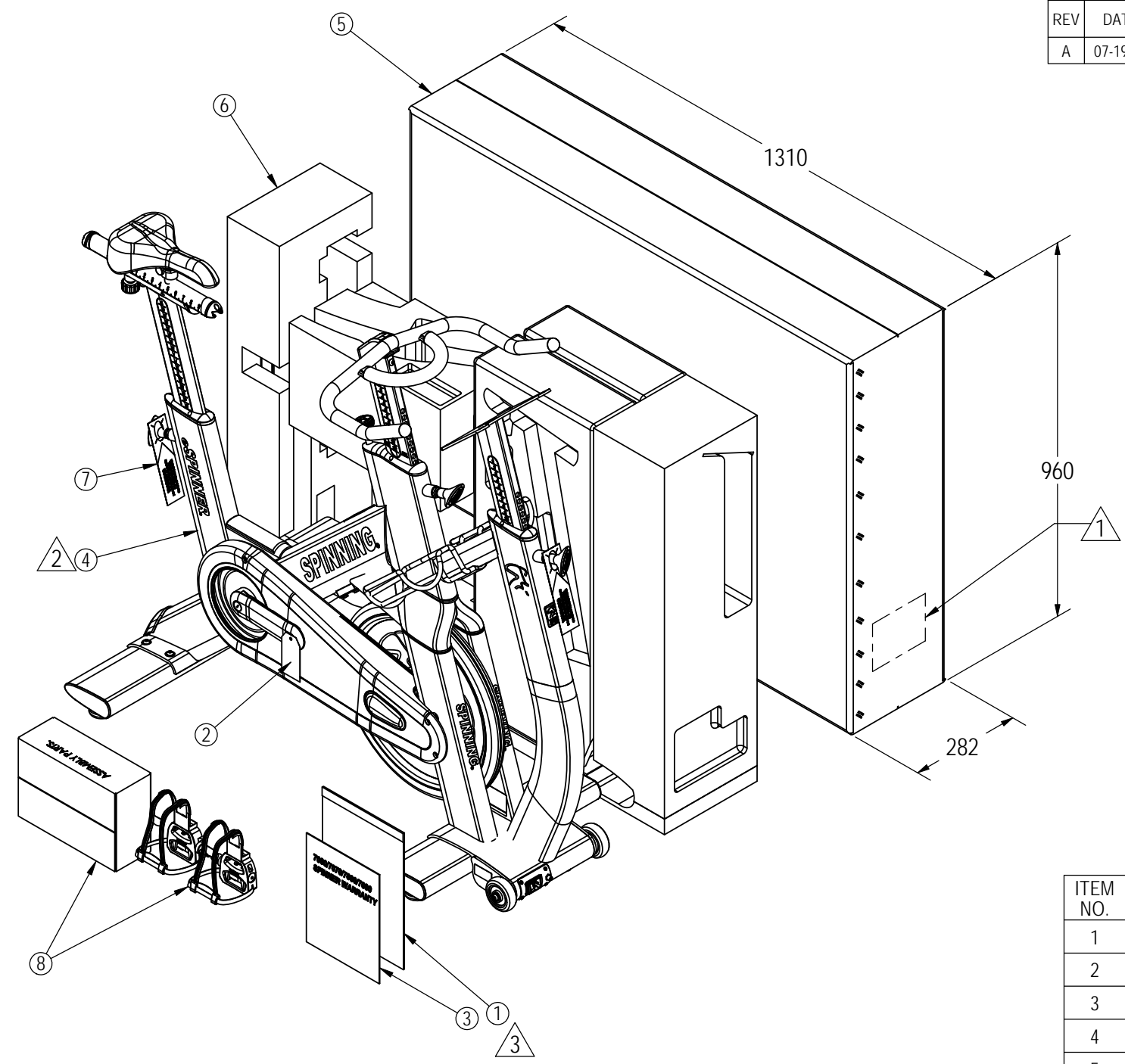
STAR TRAC PART NO  
**740-8270**

TITLE  
**ASSY, SEAT W/ POST, NXT**

SCALE: 1:8 | SHEET 1 OF 1 | SHEET SIZE: A

10 9 8 7 6 5 4 3 2 1

REVISION HISTORY				
REV	DATE	DESCRIPTION	ECO	BY
A	07-19-10	RELEASE DOCUMENT	13372	FJM



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	050-2080	BAG, PLASTIC, W/WARNING PRINT	1
2	050-2140	PEDAL SAFETY TAG	1
3	620-7831	CARD,REGIST.,WARRANTY, SPINNER, 7060/7070/7080/7090	1
4	740-7455	E-SPINNER 7140, BASE W/OUT DISPL	1
5	740-7461	ASSY, CARTON, E-SPINNER	1
6	740-7471	E-SPINNER PACKING STYROFOAM	1
7	740-7475	DECAL, WARNING	2
8	740-7783	KIT, ASSEMBLY PARTS, E-SPINNER	1

- NOTES:
- 1 LABEL INFORMATION (4 LABELS, ONE ON EACH SIDE):  
a) MODEL: E-SPINNER.  
b) SKU: 9-7140-MINTPO.  
d) COUNTRY OF ORIGIN TO BE PRINTED ON A PEEL LABEL.
  - 2 SPINNER TO BE BAGGED ON A PLASTIC BAG TO PREVENT CONTACT WITH FOAM INSERTS.
  - 3 DOCUMENTS TO BE PLACED IN PLASTIC BAG 050-2080.
  - 4. SPINNER TO BE PRE-PACKED WITH DESICCANT TO PREVENT HUMIDITY.

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**DOCUMENT STATUS:**

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FINE	±0.05	±0.05	±0.1	±0.15	±0.2	±0.3	±0.5	----
MEDIUM	±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2
COARSE	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	±4
VERY COARSE	----	±0.5	±1	±1.5	±2.5	±4	±6	±8

MATERIAL: SEE BOM

FINISH: N/A

VENDOR: \_\_\_\_\_ P/N: \_\_\_\_\_

THIRD ANGLE PROJECTION		
	INITIAL	DATE
DRAWN	FJM	07-19-10
CHECKED		
APPROVED		

UNISEN, INC. DBA  
  
14410 Myford Road  
Irvine CA 92606

STARTRAC PART NO: **9-7140-MINTPO** REV: **A**

TITLE: **E-SPINNER 7140, M, INT, BASE**

SCALE: 1:12 | SHEET 1 OF 1 | SHEET SIZE: B