

TRANSARGTIG 1-877-GOLD-AIR



↑ KDA00200 – KDA00210 ↑

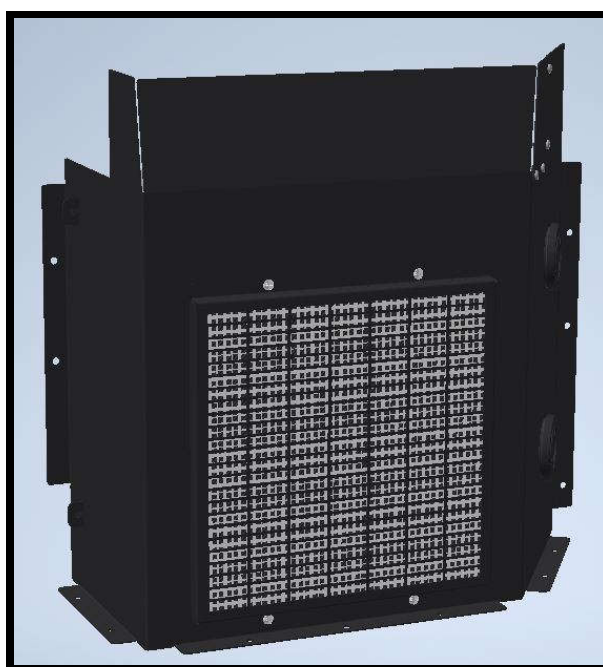
**SERVICE PARTS LIST
&
INSTALLATION INSTRUCTIONS.**

**12V DASH AIR COOL AND HEAT/COOL
UNITS**

Rev 10001

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INTRODUCTION:

This system is a KDA00200 - Cool Only or KDA00210 - Heat/Cool Combo. 12v Dual Scroll
3 Speed Blower, 537CFM.

System Charge = (Varies depending on Stand Alone Unit or Tie In) 0.00lbs – R134A Refrigerant

SERVICE PARTS ORDERING INSTRUCTIONS:

Orders must include: The Unit Serial Number, Part Number and quantity required along with part
Description as shown on the parts list.

Note: S/N Located just above Evaporator coil behind Air Intake.



TransArctic. of Southern Georgia.

Perry GA. 31069

System Sales

Dale Mason
dmason@transarctic.com

.....

Parts Sales

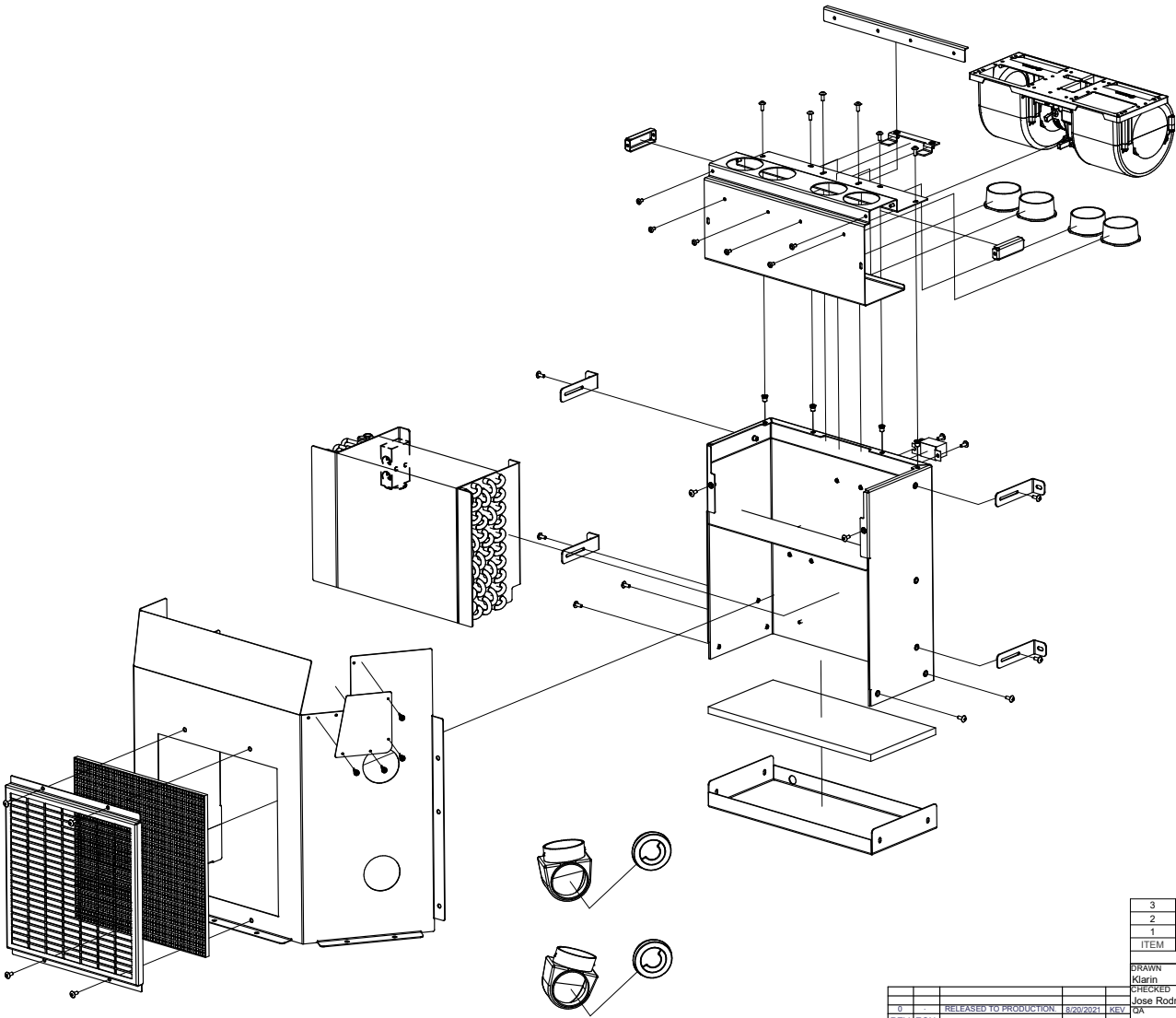
Rebecca Yeoman
ryeoman@transarctic.com

.....

Kevin Harris
kharris@transarctic.com

.....

KDA00200 - 210 MAIN ASSEMBLY



0	RELEASED TO PRODUCTION	8/20/2021	KEY
REV	ECN	DESCRIPTION	DATE
1		James Stewart	8/24/2021
2		Dale Mason	8/24/2021
3			
4			
5			
6			
7			
8			

3	1	EACH	EVC00207	EVAP. COIL, 10" X 11" X 7 ROW-H/C
2	1	EACH	EBX00215	BKT. ASSEMBLY, FILTER ENCLOSURE
1	1	EACH	KDA00200	ASSY, MAIN, IN DASH A/C-C/O
ITEM	QTY	U/M	PART NUMBER	DESCRIPTION
BILL OF MATERIALS				
DRAWN				
Klarin				
8/24/2021				
CHECKED				
Jose Rodriguez				
8/24/2021				
OR				
Val Jakowlew				
8/24/2021				
MP G				
James Stewart				
8/24/2021				
APPROVED				
Dale Mason				
8/24/2021				
TITLE				
ASS'Y, MAIN, IN DASH A/C-H/C				
SIZE				
D				
DWG NO				
KDA00210				
REV				
0				
SCALE				
1 : 4				
SHEET				
1 OF 5				

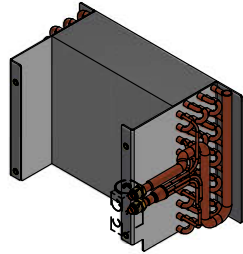
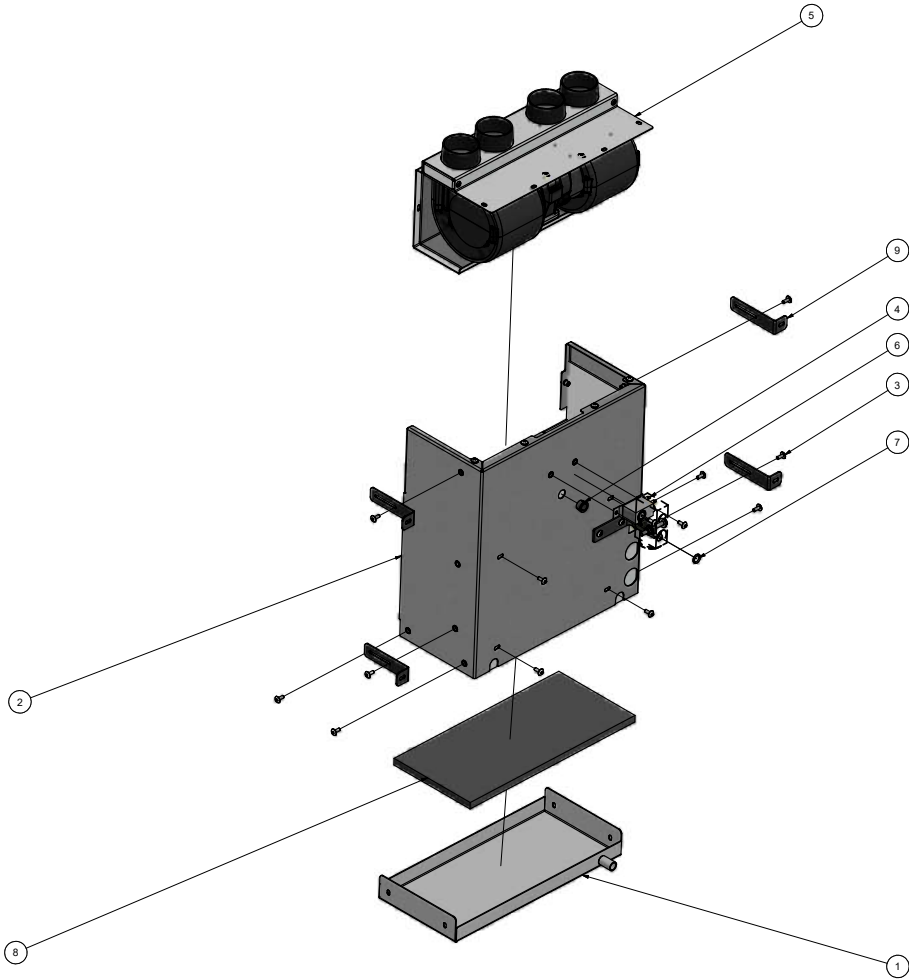
TRANSARCTIC INC.

UNSPECIFIED TOLERANCES:	ALL DIMS	FINISH
ONE DECIMAL PLACE (X)	1/16	1/16
TWO DECIMAL PLACE (XX)	1/32	1/32
THREE DECIMAL PLACE (XXX)	1/64	1/64
FRACTIONAL, < 1/16"	1/8	1/8

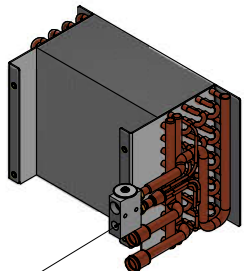


DRAWING UNIT OF MEASURE: MM (INCH)

KDA00200 - MAIN ASSEMBLY



EVC00205
COOL ONLY



VAL00000

EVC00207
HEAT / COOL

22	1	EACH	NTM04001	NUT, HEX, 1/4-28UNF, 18-8, SS
21	1	EACH	BTS04201	BOLT, HEX, 1/4-28UNF x 2.00, 18-8, SS
20	1	EACH	WLS04000	WASHER, LOCK, 1/4", 18-8, SS
19	2	EACH	WFS04001	WASHER, FLAT, 1/4", 18-8, SS
18	1	EACH	EBX00217	BKT, SUPPORT, BLOCK TX, VALVE
10	1	EACH	EVC00205	EVAP. COIL, 10H" X11L" X 5 ROW-C/O
9	4	EACH	EBX00211	BKT, KDA00200, MOUNT
8	1	EACH	FOA00200	FOAM, ANTI SPLASH, 8" x 15", DP, EBX00207
7	2	EACH	ORS20738	O RING, SEAL, 1/2" OD, R-134
6	1	EACH	SWF18685	THERMOSTAT, FREEZE OUT 18" ADJUSTABLE
5	1	EACH	EBX00214	ASSY, BLOWER HOUSING
4	1	EACH	24103	BUSHING, SNAP, PLASTIC, 1/2" ID.
3	22	EACH	STS03050	SCREW, TH, PD, 10-32x .50, ST, PLT
2	1	EACH	EBX00213	ASSY, MAIN BODY
1	1	EACH	EBX00207	BKT, WELDMNT, DRAIN PAN

ITEM				QTY	U/M	PART NUMBER	DESCRIPTION
BILL OF MATERIALS							
DRAWN				8/24/2021			
Klarin				8/24/2021			
CHECKED				8/24/2021			
Jose Rodriguez				8/21/2021			
OR				8/21/2021			
REV				8/21/2021			
DESCRIPTION:				8/21/2021			
DATE:				8/21/2021			
BY:				8/21/2021			
James Stewart				8/24/2021			
APPROVED				8/24/2021			
Dale Mason				8/24/2021			
UNSPECIFIED TOLERANCES:				8/24/2021			
ONE DECIMAL PLACE (X)				8/24/2021			
THREE DECIMAL PLACE (XXX)				8/24/2021			
FRACTIONAL, 16/1024				8/24/2021			
ANGULAR, 1/16"				8/24/2021			
THIRD ANGLE PROJECTION				8/24/2021			
DRAWING UNIT OF MEASURE:				8/24/2021			
MM (INCH)				8/24/2021			
SCALE				8/24/2021			
1 : 4				8/24/2021			
SHEET				8/24/2021			
2				8/24/2021			
OF 5				8/24/2021			

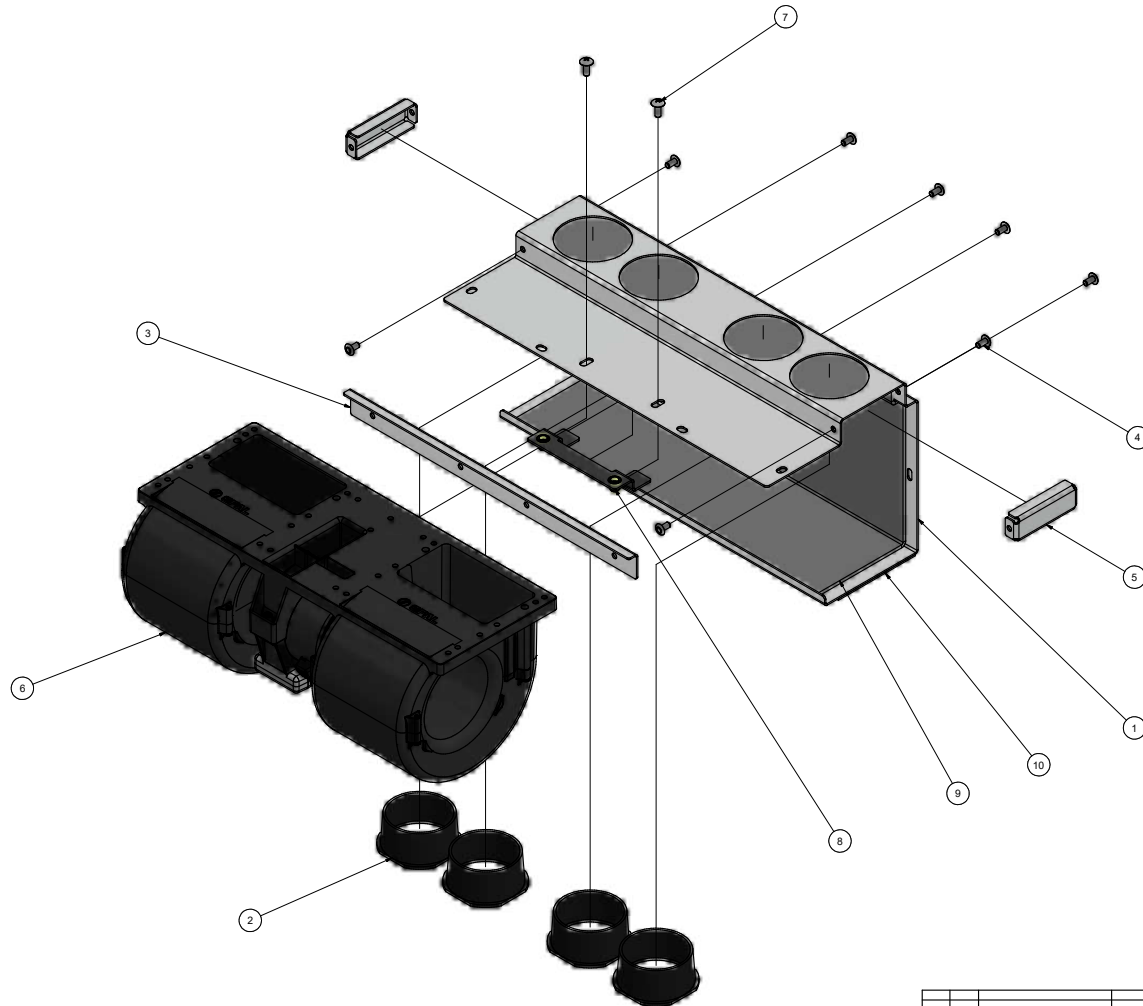


ASS'Y, MAIN, IN DASH A/C-H/C

KDA00210

REV 0

EBX00214 - ASSEMBLY BLOWER HOUSING



10	1	EACH	FOA00215	Gaskt Tape, Neoprene, 3 - 1/2" x 16 1/2" x 14 1/2"
9	1	EACH	FOA00214	FOAM, ANTISTAT SWEAT, 1/8" x 176" x 13.75"
8	1	EACH	EBX00216	ASSEMBLY, BLOWER TIE DOWN
7	2	EACH	ST330050	STITCHED, PH. 10-32X-50 ALU
6	1	EACH	BLO12600	BLOWER, DUAL SCROLL, 3 SP, 12V
5	2	EACH	EBX00205	BKT, BLOWER CLOSE-OUT
4	8	EACH	RIV03029	Rivet, Closed End, 3/16", .06-13, ALUST
3	1	EACH	EBX00204	BKT, SUPPORT, BLOWER MOUNT
2	4	EACH	FTS31805	FTG. ADPT, STR, 2.5", ABS, BLK
1	1	EACH	EBX00201	BKT, BLOWER HOUSING

ITEM	QTY	U/M	PART NUMBER	DESCRIPTION
BILL OF MATERIALS				
DRAWN KJarin CHECKED Jose Rodriguez QA Vot jakwew		8/24/2021		
BY MFG James Stewart APPROVED Dale Mason		8/21/2021 8/24/2021	TITLE ASSY, MAIN, IN DASH A/C-H/C	
DRAWING UNIT OF MEASURE:			SIZE SCALE	DWG NO KDA00210
MM (INCH)			1 : 2	REV 0
			SHEET	3 OF 5

0	RELEASED TO PRODUCTION	8/20/2021
REV: ECN:	DESCRIPTION:	DATE:

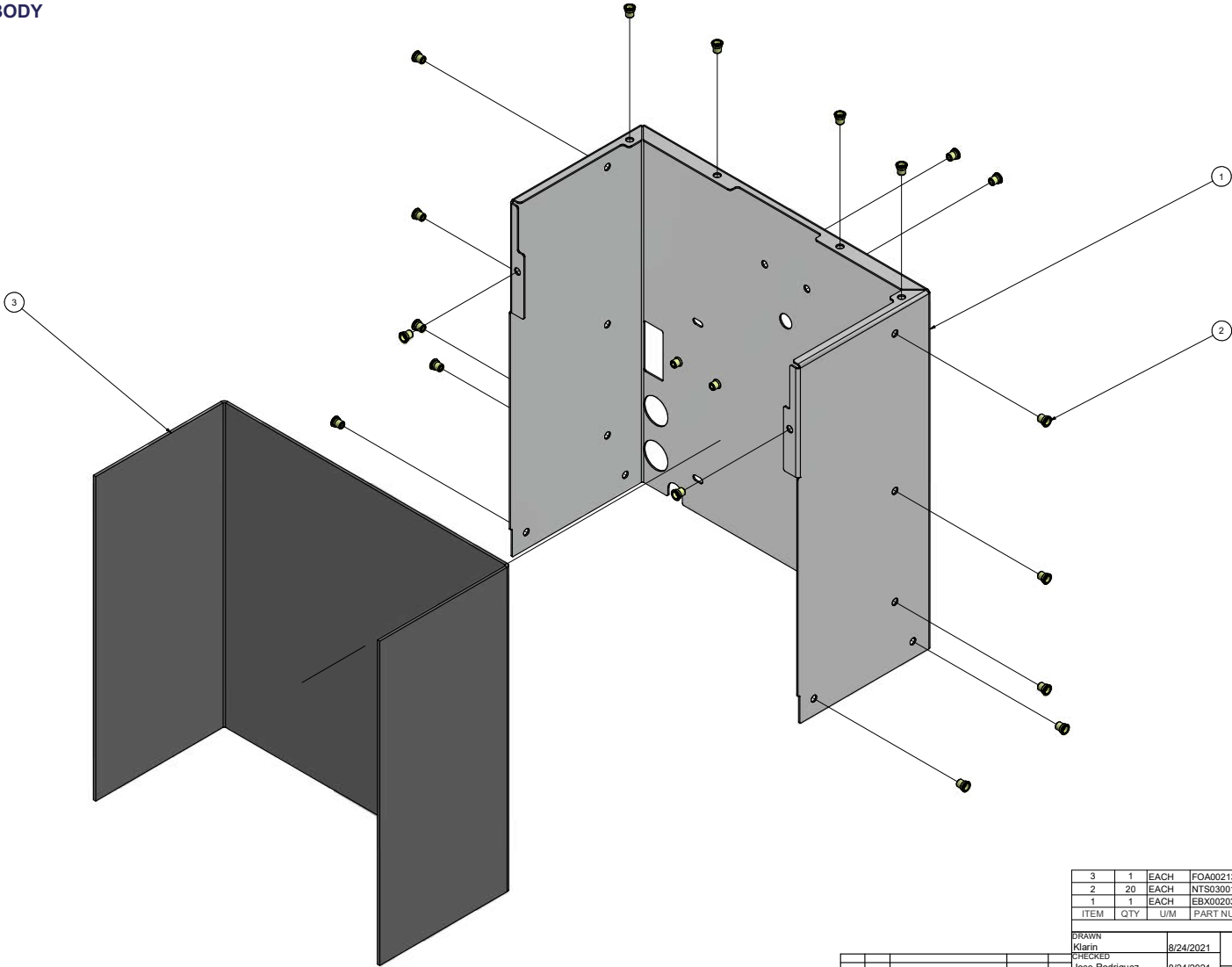
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UNSPECIFIED TOLERANCES:	(ALT DIM.)
ONE DECIMAL PLACE (X0)	±0.125
TWO DECIMAL PLACE (X00)	±0.025
THREE DECIMAL PLACE (X000)	±0.0125
FRACTIONAL (X1/32")	ANGULAR ±0.005



THIRD ANGLE PROJECT

EBX00213 - ASSEMBLY MAIN BODY



0	RELEASED TO PRODUCTION	8/20/2021	KEY
REV	ECN	DESCRIPTION	DATE
1		James Stewart	8/24/2021
2		Dale Mason	8/24/2021
3			
4			
5			
6			
7			
8			

3	1	EACH	FOA00213	FOAM, ANTI SWEAT, 1/8" x 28" x 14.5"
2	20	EACH	NTS03001	NUT, RIV. 10-32 UNF
1	1	EACH	EBX00203	BKT, EVAP, MAIN BODY
ITEM	QTY	U/M	PART NUMBER	DESCRIPTION
BILL OF MATERIALS				
DRAWN				
Klarin				
8/24/2021				
CHECKED				
Jose Rodriguez				
8/24/2021				
OR				
Val Jakowlew				
8/21/2021				
MPG				
James Stewart				
8/24/2021				
APPROVED				
Dale Mason				
8/24/2021				
UNSPECIFIED TOLERANCES:				
ONE DECIMAL PLACE (X) .125 (INCH)				
THREE DECIMAL PLACE (XXX) .003 (INCH)				
FRACTIONAL, 16/1000 (INCH)				
THIRD ANGLE PROJECTION				
DRAWING UNIT OF MEASURE: MM (INCH)				
SCALE: 1:2				
SHEET 4 OF 5				

TRANSARCTIC INC.

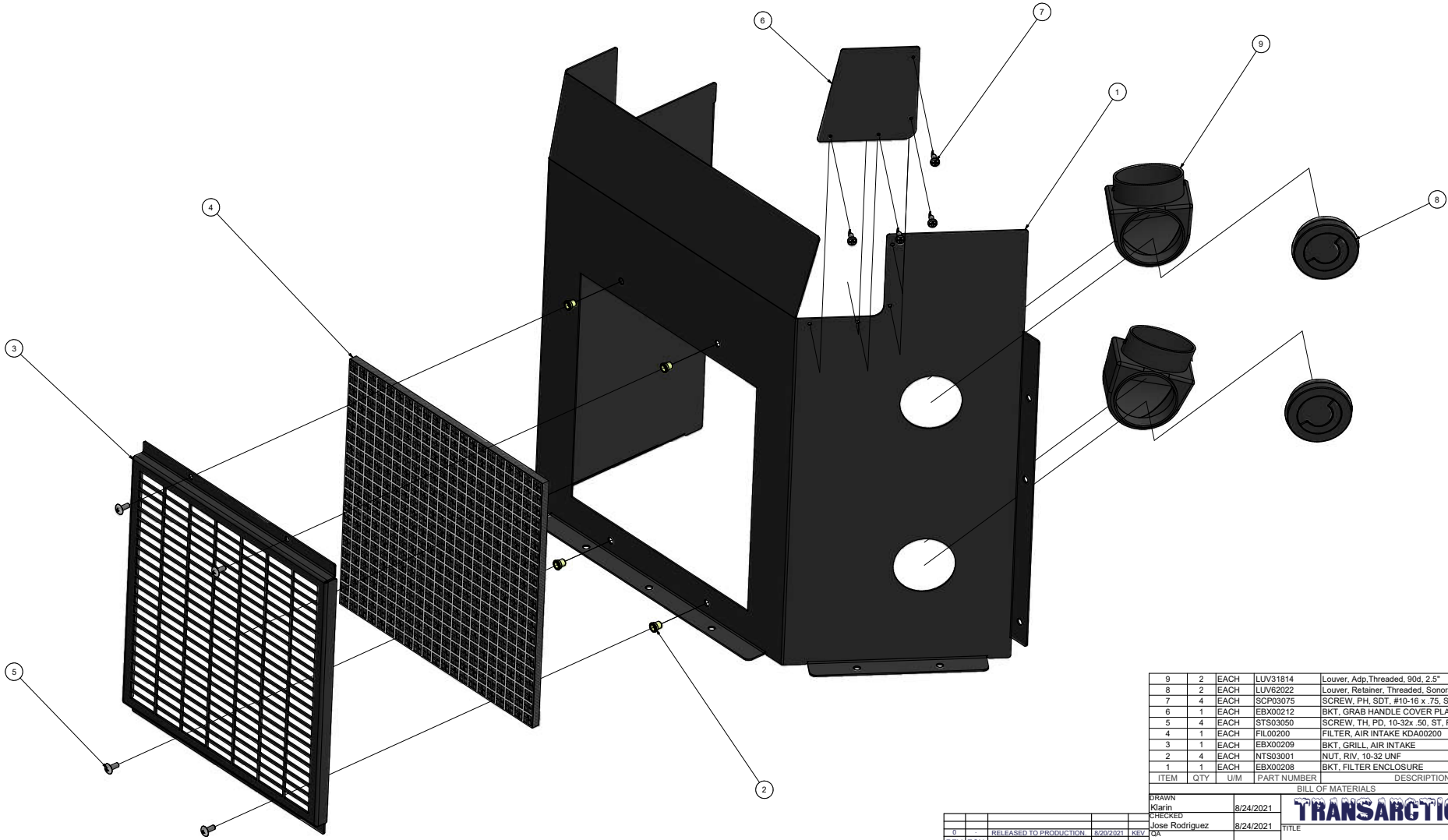
ASS'Y, MAIN, IN DASH A/C-H/C

SIZE: D

DWG NO: KDA00210

REV: 0

EBX00215 - ASSEMBLY FILTER ENCLOSURE



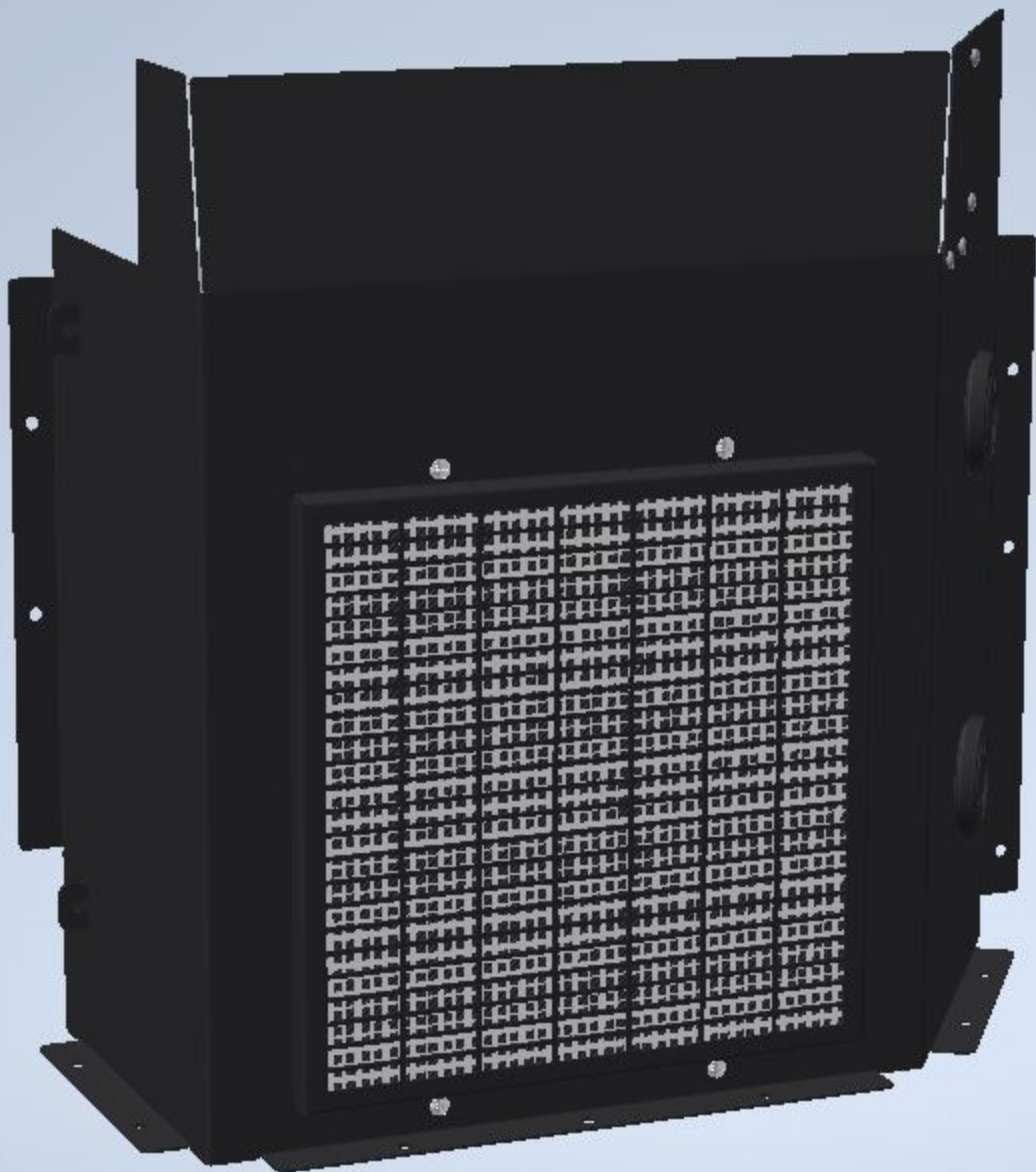
9	2	EACH	LUV31814	Louver, Adp, Threaded, 90d, 2.5"
8	2	EACH	LUV62022	Lower, Retainer, Threaded, Sonora, 2.7"
7	4	EACH	SCR03075	SCREW, PH, SDT, #10-16 x .75, ST, PLT
6	1	EACH	EBX00212	BKT, GRAB HANDLE COVER PLATE
5	4	EACH	STS03050	SCREW, TH, PD, 10-32x .50, ST, PLT
4	1	EACH	FIL00200	FILTER, AIR INTAKE KDA00200
3	1	EACH	EBX00209	BKT, GRILL, AIR INTAKE
2	4	EACH	NTS03001	NUT, RIV, 10-32 UNF
1	1	EACH	EBX00208	BKT, FILTER ENCLOSURE

ITEM	QTY	U/M	PART NUMBER	DESCRIPTION
BILL OF MATERIALS				
DRAWN: Klarin 8/24/2021				
CHECKED: Jose Rodriguez 8/24/2021				
OR: Val Jakowlew 8/21/2021				
APPROVED: James Stewart 8/24/2021				
Date Mason 8/24/2021				
TITLE: ASS'Y, MAIN, IN DASH A/C-H/C				REV: 0
SIZE: D				DWG NO: KDA00210
SCALE: 1:2				SHEET 5 OF 5

REV	ECN	DESCRIPTION	DATE	BY
0		RELEASED TO PRODUCTION	8/20/2021	KEY
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UNSPECIFIED TOLERANCES:				
ONE DECIMAL PLACE (X)	1/16	INCH		
TWO DECIMAL PLACE (XX)	1/32	INCH		
THREE DECIMAL PLACE (XXX)	1/64	INCH		
FRACTIONAL, 16:125	1/16	INCH		

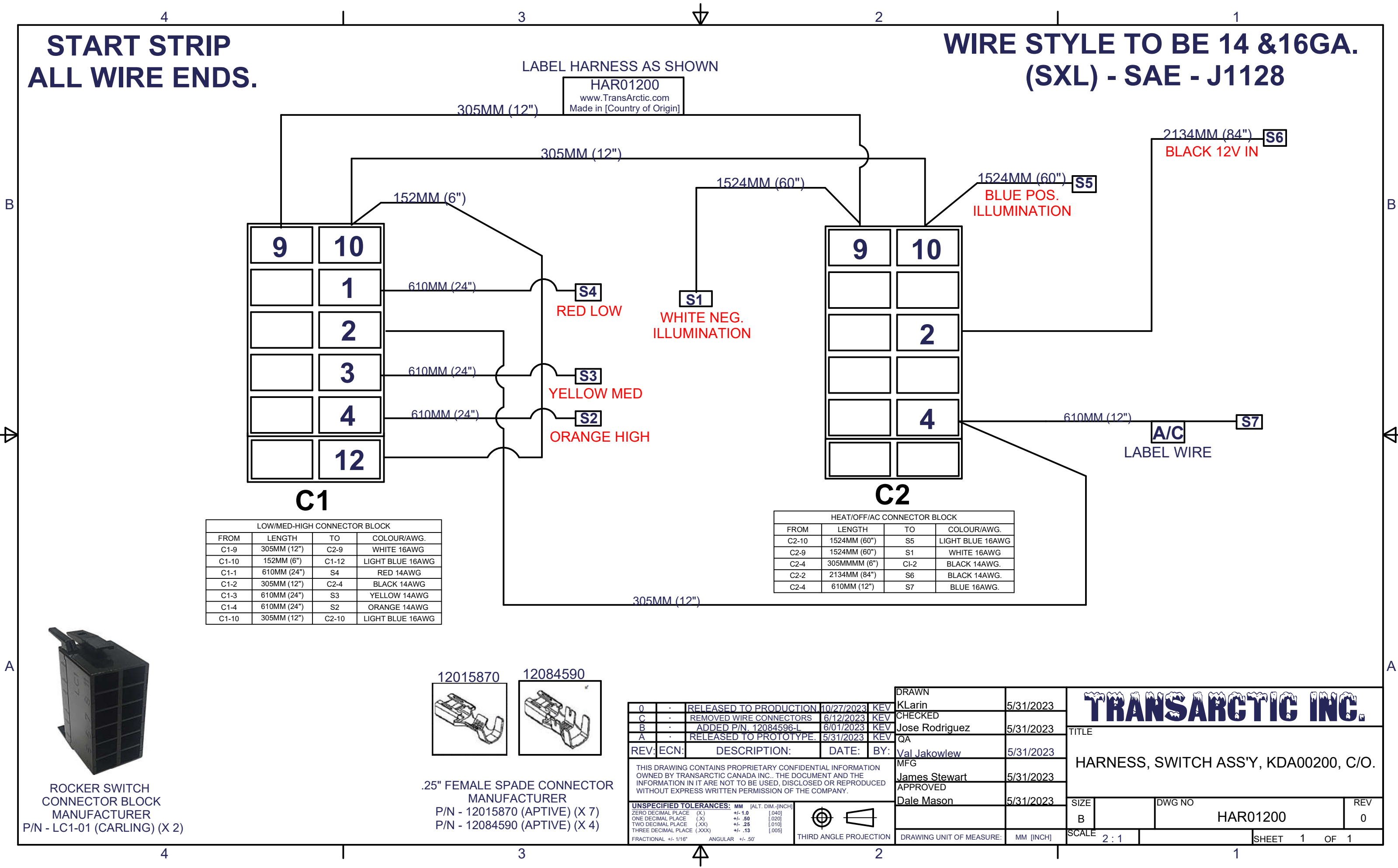


DRAWING UNIT OF MEASURE: MM (INCH)



START STRIP
ALL WIRE ENDS.

WIRE STYLE TO BE 14 &16GA.
(SXL) - SAE - J1128



LABEL HARNESS AS SHOWN

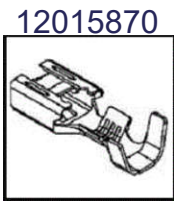
HAR01200
www.TransArctic.com
Made in [Country of Origin]

LOW/MED-HIGH CONNECTOR BLOCK			
FROM	LENGTH	TO	COLOUR/AWG.
C1-9	305MM (12")	C2-9	WHITE 16AWG
C1-10	152MM (6")	C1-12	LIGHT BLUE 16AWG
C1-1	610MM (24")	S4	RED 14AWG
C1-2	305MM (12")	C2-4	BLACK 14AWG
C1-3	610MM (24")	S3	YELLOW 14AWG
C1-4	610MM (24")	S2	ORANGE 14AWG
C1-10	305MM (12")	C2-10	LIGHT BLUE 16AWG

HEAT/OFF/AC CONNECTOR BLOCK			
FROM	LENGTH	TO	COLOUR/AWG.
C2-10	1524MM (60")	S5	LIGHT BLUE 16AWG
C2-9	1524MM (60")	S1	WHITE 16AWG
C2-4	305MM (6")	C1-2	BLACK 14AWG.
C2-2	2134MM (84")	S6	BLACK 14AWG.
C2-4	610MM (12")	S7	BLUE 16AWG.



ROCKER SWITCH
CONNECTOR BLOCK
MANUFACTURER
P/N - LC1-01 (CARLING) (X 2)



12015870



12084590

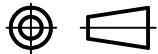
.25" FEMALE SPADE CONNECTOR
MANUFACTURER
P/N - 12015870 (APTIVE) (X 7)
P/N - 12084590 (APTIVE) (X 4)

0	-	RELEASED TO PRODUCTION	10/27/2023	KEV
C	-	REMOVED WIRE CONNECTORS	6/12/2023	KEV
B	-	ADDED P/N. 12084596-L	6/01/2023	KEV
A	-	RELEASED TO PROTOTYPE	5/31/2023	KEV

REV:	ECN:	DESCRIPTION:	DATE:	BY:
------	------	--------------	-------	-----

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UNSPECIFIED TOLERANCES:		
ZERO DECIMAL PLACE (X)	+/- 1.0	[.040]
ONE DECIMAL PLACE (X)	+/- .50	[.020]
TWO DECIMAL PLACE (XX)	+/- .25	[.010]
THREE DECIMAL PLACE (XXX)	+/- .13	[.005]
FRACTIONAL +/- 1/16"	ANGULAR +/- .50°	



THIRD ANGLE PROJECTION

DRAWN	KLarin	5/31/2023
CHECKED	Jose Rodriguez	5/31/2023
QA	Val Jakowlew	5/31/2023
MFG	James Stewart	5/31/2023
APPROVED	Dale Mason	5/31/2023

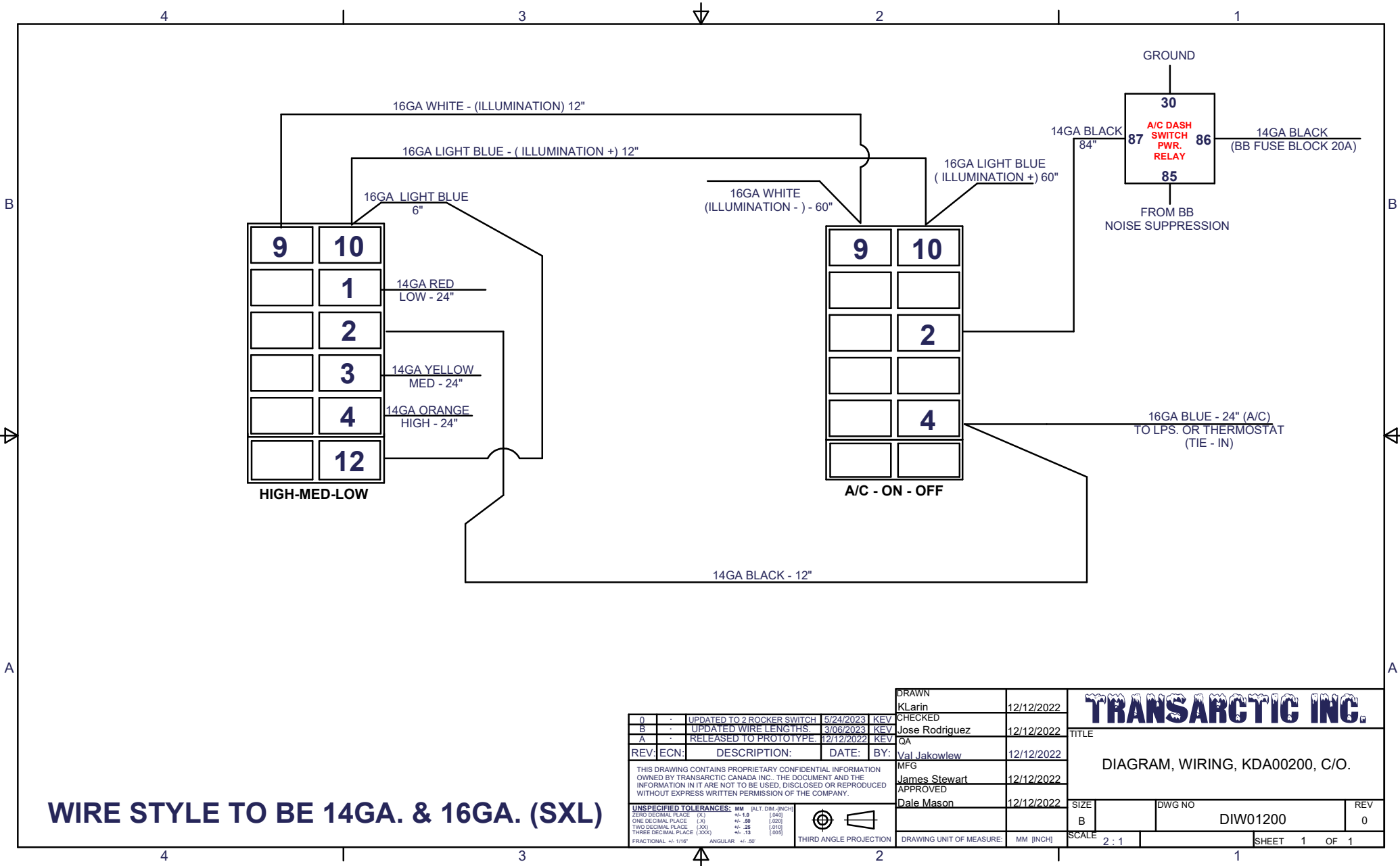
DRAWING UNIT OF MEASURE: MM [INCH]

TRANSARCTIC INC.

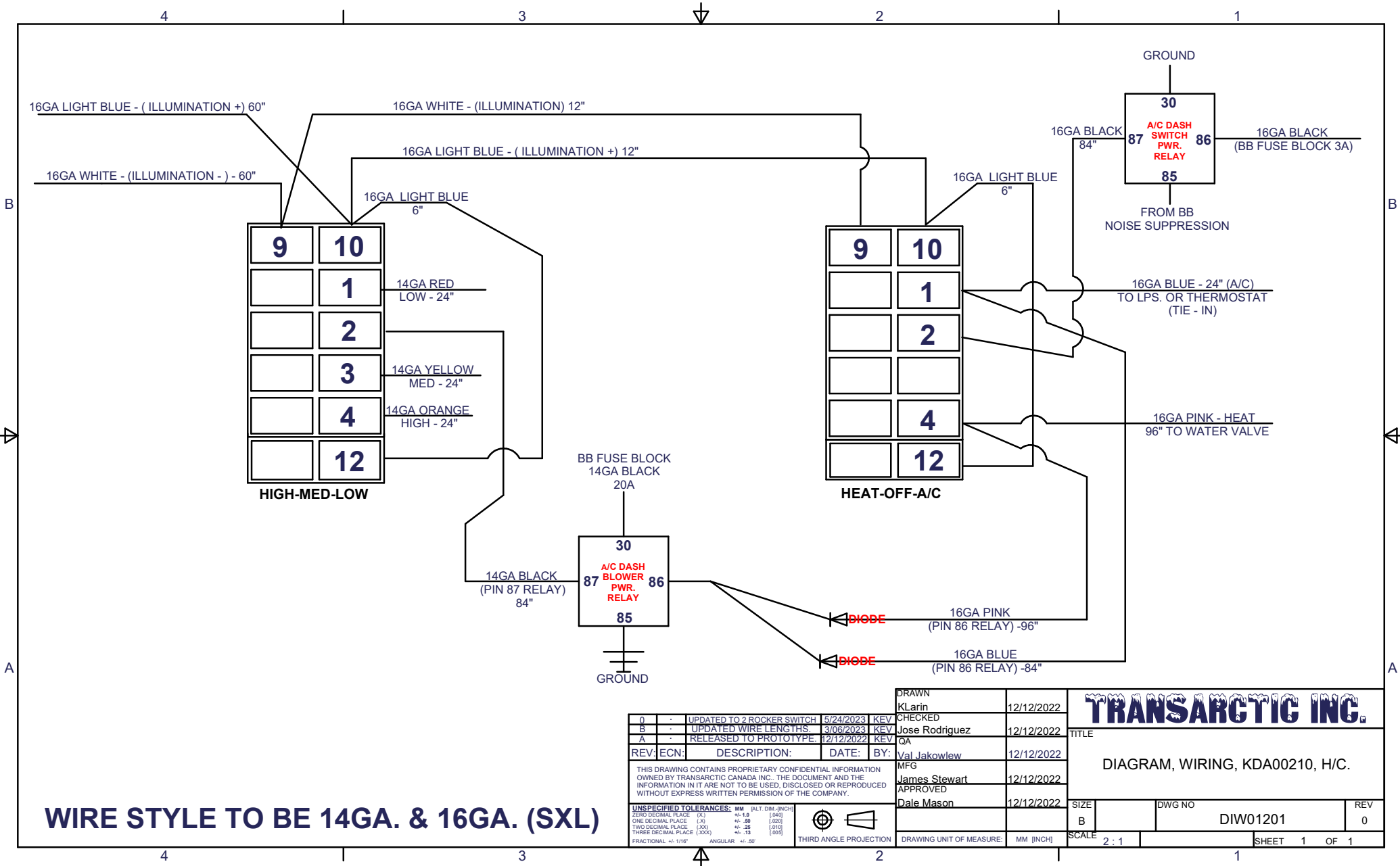
HARNESS, SWITCH ASS'Y, KDA00200, C/O.

SIZE	DWG NO	REV
B	HAR01200	0

SCALE 2 : 1 SHEET 1 OF 1



0 - UPDATED TO 2 ROCKER SWITCH 5/24/2023 KEV							DRAWN		KLarin		12/12/2022		TRANSARCTIC INC.							
B - UPDATED WIRE LENGTHS. 3/06/2023 KEV							CHECKED		Jose Rodriguez		12/12/2022									
A - RELEASED TO PROTOTYPE. 12/12/2022 KEV							QA		QA											
REV: ECN:		DESCRIPTION:			DATE:		BY:		Val Jakowlew		12/12/2022		TITLE		DIAGRAM, WIRING, KDA00200, C/O.					
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											APPROVED		Dale Mason						12/12/2022	
UNSPECIFIED TOLERANCES: MM (ALT. DIM. (INCH))															SIZE		DWG NO		REV	
ZERO DECIMAL PLACE (X) +/- 1.0 (040)									B		DIW01200		0							
ONE DECIMAL PLACE (X) +/- .00 (000)																				
TWO DECIMAL PLACE (XX) +/- .25 (010)																				
THREE DECIMAL PLACE (XXX) +/- .13 (005)																				
FRACTIONAL +/- 1/16" ANGULAR +/- .50°							THIRD ANGLE PROJECTION		DRAWING UNIT OF MEASURE:		MM [INCH]		SCALE		2 : 1		SHEET 1 OF 1			



0	-	UPDATED TO 2 ROCKER SWITCH	5/24/2023	KEV
B	-	UPDATED WIRE LENGTHS.	3/06/2023	KEV
A	-	RELEASED TO PROTOTYPE.	12/12/2022	KEV
REV	ECN:	DESCRIPTION:	DATE:	BY:
THIS DRAWING CONTAINS PROPRIETARY CONFIDENTIAL INFORMATION OWNED BY TRANSARCTIC CANADA INC. THE DOCUMENT AND THE INFORMATION IN IT ARE NOT TO BE USED, DISCLOSED OR REPRODUCED WITHOUT EXPRESS WRITTEN PERMISSION OF THE COMPANY.				
UNSPECIFIED TOLERANCES: MM (ALT DIM. (INCH))				
ZERO DECIMAL PLACE (X) +/- 1.0 (040)				
ONE DECIMAL PLACE (XX) +/- .00 (000)				
TWO DECIMAL PLACE (XXX) +/- .05 (010)				
THREE DECIMAL PLACE (XXX) +/- .13 (005)				
FRACTIONAL +/- 1/16" ANGULAR +/- .50°				
THIRD ANGLE PROJECTION				

DRAWN	KLarin	12/12/2022
CHECKED	Jose Rodriguez	12/12/2022
QA	Val Jakowlew	12/12/2022
MFG	James Stewart	12/12/2022
APPROVED	Dale Mason	12/12/2022
DRAWING UNIT OF MEASURE:	MM [INCH]	

TRANSARCTIC INC.		TITLE
DIAGRAM, WIRING, KDA00210, H/C.		
SIZE	DWG NO	REV
B	DIW01201	0
SCALE	2 : 1	SHEET 1 OF 1

4

3

2

1

B

B

A

A

A

A

				DRAWN		10/15/2024		TRANSARCTIC INC.	
				KLarin					
				CHECKED					
				Jose Rodriguez					
				QA					
				By: Stewart		10/15/2024			

Bill of Materials Listing

TransArctic, Inc. (FV)

10/4/2024

Page 1 of 1

Product Number		Date		Description		Uof M	Weight	Yield
Line	Qty	Component	Prod#	Rev#	Description	Location	Unit	
KDA00200			11/15/2022	A	Assy, Main, In Dash, Cool Only			0.00
180	1	EBX00208		3	Bkt, Filter Enclosure		each	0
					7041			
190	1	KLA00200		0	Kit, Louver, Install, Ass'y,KDA00200/210		each	
					7040			
200	1	JEV00200		0	Sub Kit, Evap, C/O, Dash Air		each	
					1020			
210	1	SDA00200		0	Kit, Switch, Dash Ass'y, C/O, Dash Air		each	
					6020			

Bill of Materials Listing

TransArctic, Inc. (FV)

10/4/2024
Page 1 of 1

Product Number		Date		Description		Uof M	Weight	Yield
Line	Qty	Component	Prod#	Rev#	Description	Location	Unit	
KDA00210			11/15/2022	A	Assy, Main, In Dash, Heat/Cool			32.51
20	1	EBX00208		3	Bkt, Filter Enclosure		each	0
					7041			
30	1	KLA00200		0	Kit, Louver, Install, Ass'y,KDA00200/210		each	
					7040			
40	1	JEV00210		0	Sub Kit, Evap, H/C, Dash Air		each	
					1020			
50	1	SDA00210		0	Kit, Switch, Dash Ass'y, H/C, Dash Air		each	
					6020			

Bill of Materials Listing

TransArctic, Inc. (FV)

10/4/2024
Page 1 of 1

Product Number		Date		Description		Uof M	Weight	Yield
Line	Qty	Component	Prod#	Rev#	Description	Location	Unit	
KLA00200		2/15/2023		0	Kit, Louver, Install, Ass'y,KDA00200/210		0.56	0
5	1	PAC12120			Box 12" x 12" x 18", 275lb test PKG		each	
10	2.00	TGU91618			Trim, 9/16" x 1/8", Black Pebble, Alum. 7070		feet	
20	2	21046			Cable Tie, 14.5", UV Resistant, Black 9900		each	
30	2	CLP06001			Clamp, Gear, #6, 3/8-3/4 (10-20mm), S 7050		each	
50	1	FTS31816			Ftg, Adpt, Y, 2.5", ABS, Blk 7041		each	
60	2.00	K010-1013			Hose, Drain, Evap., 5/8", Clear Vinyl 7050		feet	
70	2	LUV31814			Louver, Adp,Threaded, 90d, 2.5" 7041		each	
80	2	LUV62022			Louver, Retainer, Threaded, Sonora, 2.7" 7041		each	
90	2	LUV62059			Horizon, Threaded, Hose Adapter, 2.25" 7041		each	
100	2	LUV62064			Louver, Horizon, 2.25" 7041		each	
110	1	HOD16300			Hose, Drain, Valve, Kazoo, 1.25" x 3.0" 7050		each	
120	1	EBX00209		0	Bkt, Grill, Air Intake 7041		each	
130	1	EBX00212		2	Bkt, Grab Handle, Cover Plate 7041		each	
140	28	SCP03075FB			Screw, PH,PD, SDT, #10-16 x.75, ST,Black 4070		each	
150	1	FIL00200		0	Filter, Air Intake, 12" x 12" x.375" 7041		each	
170	4	NTS03001			Nut, Riv, 10-32 unf, Stl, Plt 4070		each	
180	4	SCP03051			Screw, PH, PD, #10-16 x .50, ST, Stl,Plt 4070		each	
190	12	SCP04075			Screw, PH, PD, SM, 1/4-14 x .75, ST, Plt 4070		each	
200	1.00	IST00024			Tape, Insulation, "No Drip",1/8"x2"x36" 7070		Feet	
210	3	EBX00211		1	Bkt, KDA00200, Mount 7041		each	
220	8	STS03050			Screw, TH, PD, 10-32 x .50, ST, Plt 4070		each	
230	25	HOA25000		0	Hose, Defroster, AutoFlex,2.50"d 4080		feet	

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TransArctic, Inc. (FV)

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Product Number		Date		Description		Uof M	Weight	Yield
Line	Qty	Component	Prod#	Rev#	Description	Location	Unit	
JEV00200		2/15/2023		0	Sub Kit, Evap, C/O, Dash Air			14.96
5	1	PAC24180			Box, 24"x18" x12", 275lb test PKG		each	0
30	1	EBX00207		2	Bkt, Weldmn't, Drain Pan 7041		each	
50	1	EBX00213		1	Bkt, Assem'y, Main Body 7041		each	
60	1	EBX00214		0	Bkt, Assem'y, Blower Housing 7041		each	
70	1	ECA00205		0	Evap, Assembly. 10"H x 11"W x 5 Row, C/O 7041		Each	
80	1	FOA00200		0	Foam, Anti Spla, 15ppi, 1/2"x 7"x15" 1525		each	
110	2	ORS20738			O Ring, Seal, 1/2" OD, R-134, #8 Bump 7050		each	
120	22	STS03050			Screw, TH, PD, 10-32 x .50, ST, Plt 4070		each	
130	1	SWF18685			Thermostat, Freeze Out, 18" Non- Adj 1525		each	
160	1	VAL00000			Valve, TX, Block type, 1.5 ton, R-134A 7041		each	
170	2	WFS04001			Washer, Flat, 1/4", 18-8, SS 4070		each	
180	1	WLS04000			Washer, Lock, 1/4", 18-8, SS 4070		each	
190	1	BTS04201			Bolt, Hex, 1/4-28 UNF, 2", 18-8, SS 4070		each	
200	1	NTM04001			Nut, Hex, 1/4-28unf, 18-8, SS 4070		each	
210	1	EBX00217		0	Bkt, Support, Block TX, Valve 7041		each	

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TransArctic, Inc. (FV)

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Product Number		Date		Description		Uof M	Weight	Yield
Line	Qty	Component	Prod#	Rev#	Description	Location	Unit	
JEV00210		2/15/2023		0	Sub Kit, Evap, H/C, Dash Air			5.37
5	1	PAC24180			Box, 24"x18" x12", 275lb test PKG		each	0
30	1	EBX00207		2	Bkt, Weldmn't, Drain Pan 7041		each	
50	1	EBX00213		1	Bkt, Assem'y, Main Body 7041		each	
60	1	EBX00214		0	Bkt, Assem'y, Blower Housing 7041		each	
70	1	ECA00207		0	Evap, Assembly. 10"H x 11"W x 7 Row, H/C 7041		Each	
80	1	FOA00200		0	Foam, Anti Spla, 15ppi, 1/2"x 7"x15" 1525		each	
110	2	ORS20738			O Ring, Seal, 1/2" OD, R-134, #8 Bump 7050		each	
120	22	STS03050			Screw, TH, PD, 10-32 x .50, ST, Plt 4070		each	
130	1	SWF18685			Thermostat, Freeze Out, 18" Non- Adj 1525		each	
160	1	VAL00000			Valve, TX, Block type, 1.5 ton, R-134A 7041		each	
170	1	VAA20012			Valve, Assy, 12V, Motorized, Water On/Off 7041		each	
180	1	EBX00217		0	Bkt, Support, Block TX, Valve 7041		each	
190	2	WFS04001			Washer, Flat, 1/4", 18-8, SS 4070		each	
200	1	WLS04000			Washer, Lock, 1/4", 18-8, SS 4070		each	
210	1	BTS04201			Bolt, Hex, 1/4-28 UNF, 2", 18-8, SS 4070		each	
220	1	NTM04001			Nut, Hex, 1/4-28unf, 18-8, SS 4070		each	

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Product Number		Date		Description		Uof M	Weight	Yield
Line	Qty	Component	Prod#	Rev#	Description	Location	Unit	
SDA00200			2/15/2023	0	Kit, Switch, Dash Ass'y, C/O, Dash Air			0.16
10	1	BMZ00200		A	Bkt, Bezel, Dash Air, Control, C/O		each	
					4010			
20	2	SCF06375			Screw, PFH, #6 x .375, ST,Plt		each	
					4070			
30	1	LUV62012			Louver, Adp, Mirage, 4", 2 1/2" hose		each	
					7041			
40	1	HAR01200		0	Harness, Switch Ass'y, KDA00200, C.O.		each	
					6010			
50	1	SWR00006			Switch, Rocker, ON/OFF, SnowFlake, BB		each	
					6020			
60	1	SWR00007			Switch, Rocker, Fan, 3 Speed, H/M/L, BB		each	
					6020			

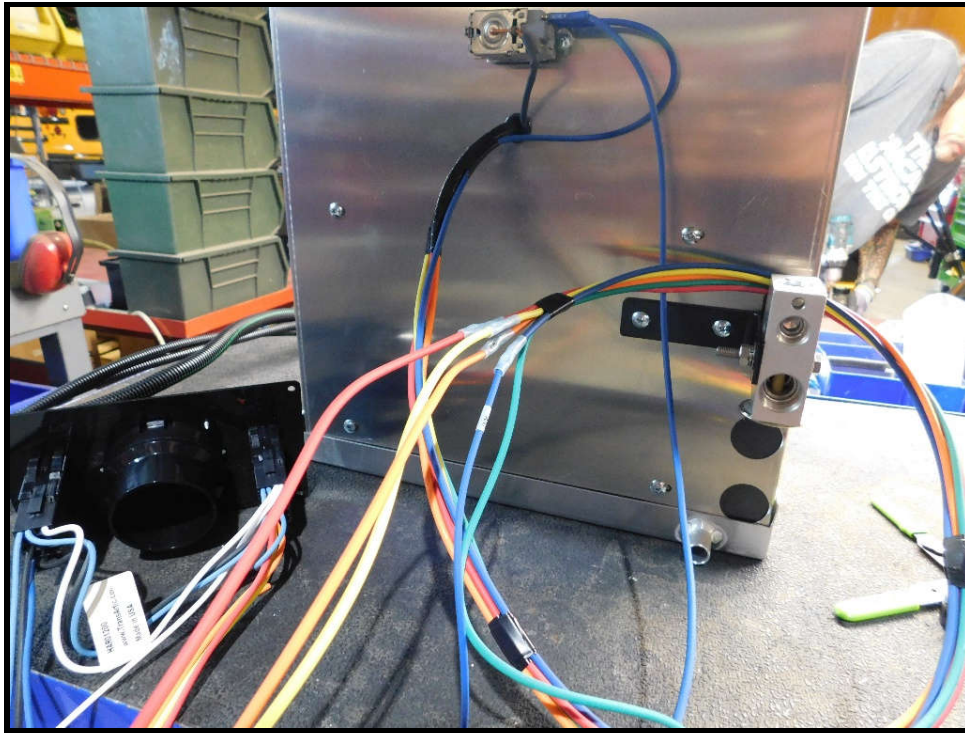
Bill of Materials Listing

TransArctic, Inc. (FV)

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Product Number		Date		Description		Uof M	Weight	Yield
Line	Qty	Component	Prod#	Rev#	Description	Location	Unit	
SDA00210			2/15/2023	0	Kit, Switch, Dash Ass'y, H/C, Dash Air			0.15
10	1	BMZ00200		A	Bkt, Bezel, Dash Air, Control, C/O		each	
					4010			
20	2	SCF06375			Screw, PFH, #6 x .375, ST,Plt		each	
					4070			
30	1	LUV62012			Louver, Adp, Mirage, 4", 2 1/2" hose		each	
					7041			
90	1	HAR01201		0	Harness, Switch Ass'y, KDA00210, H/C.		each	
					6010			
100	1	SWR00007			Switch, Rocker, Fan, 3 Speed, H/M/L, BB		each	
					6020			
110	1	SWR00009			Switch, Rocker, 3 Pos, Heat/Off/AC, BB		each	
					6020			

Attach wires from control to A/C unit as shown using butt connectors. Ensure all wires are connected securely.



Add wire loom to protect wires as shown below.



Measure/Cut and Install Flex Hose to unit Prior to installation. That way it can be Run to required locations upon installation of the Dash Air Unit.



Shown above is KDA00200 Cool only unit.

FTS31816 – FITTING, ADAPTER, Y, 2.5"



HOA25000 – FLEX HOSE, 2.5" DIA.Ø



Remove the grab bar and set aside. It will be re-attached once the Dash Air unit is completely installed.

Remove Fire Extinguisher and Tool Kit. Place in a box and set on seat so that the Customer can re-install in their desired location.



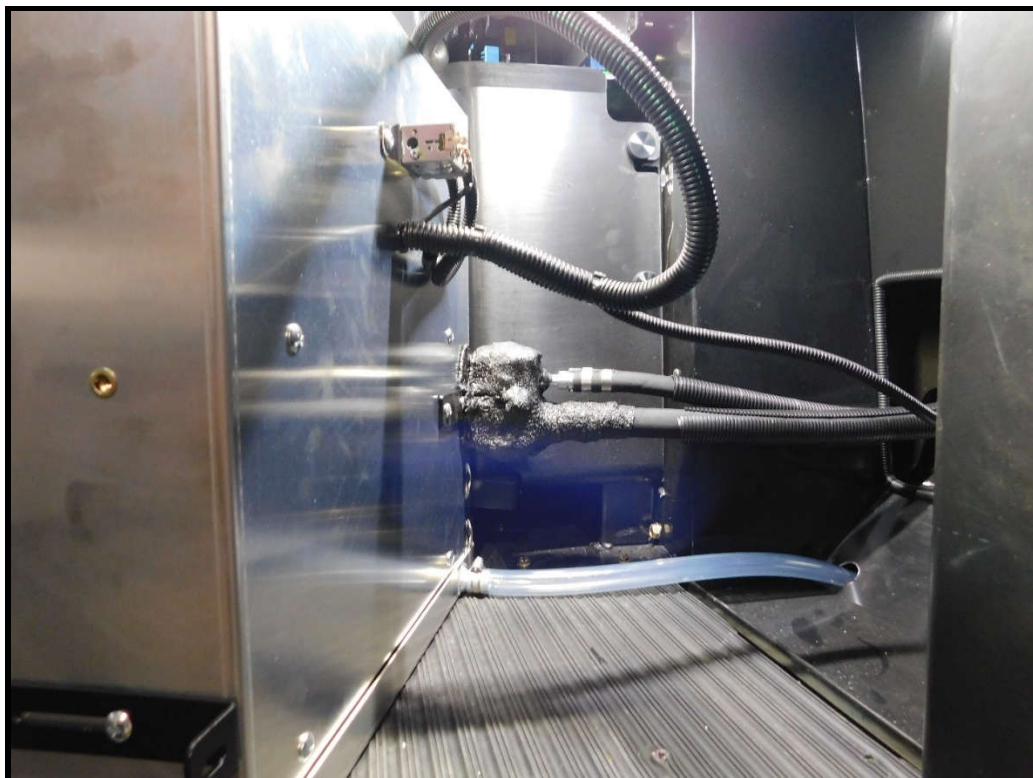
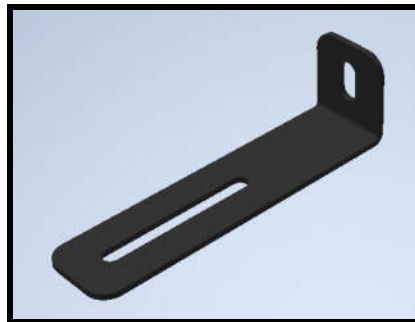
After the grab bar and extinguisher have been removed you will need to drill a 1" Hole in the bottom left corner as shown. It is to accommodate the drain tube on the back of the unit. The 2 larger holes are existing in the Bus fire wall, however you will need to drill and cut out the rectangular hole as shown in the picture. Edge guard or loom is placed around the hole to eliminate any sharp edges.

It is light gauge sheet metal so Tin Snips should be adequate to cut the hole.

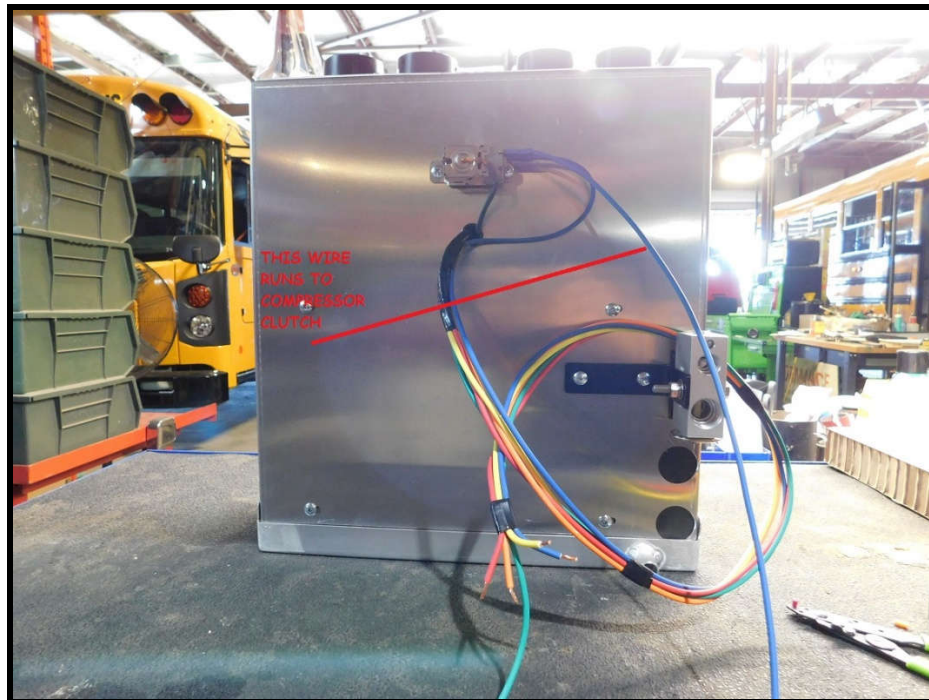


Once the holes are drilled and cut the A/C Hoses and Compressor clutch wire can be run thru the firewall and attached to the Block Valve as shown. Attach the drain tube supplied and run down the hole. Wrap the Low side hose and entire Block Valve with Tar Tape provided as shown. This will ensure that no condensation will drip and leak out onto the floor of the bus when the system is running.

Once everything is attached the unit can be pushed back into place and the black adjustable brackets on the side of the Dash Air unit can be fastened into place using Self Tapping screws provided in the kit.



As shown here. One of the blue wires from the Thermostat runs to the compressor clutch



The existing Louvers in the Dash as shown are attached to the factory heater.
They are removed and moved down below the steering wheel. They are replaced
with these louvers provided in kit. The hose from the A/C unit is attach to the
hose adapters with either a tie-strap or Tek screws.

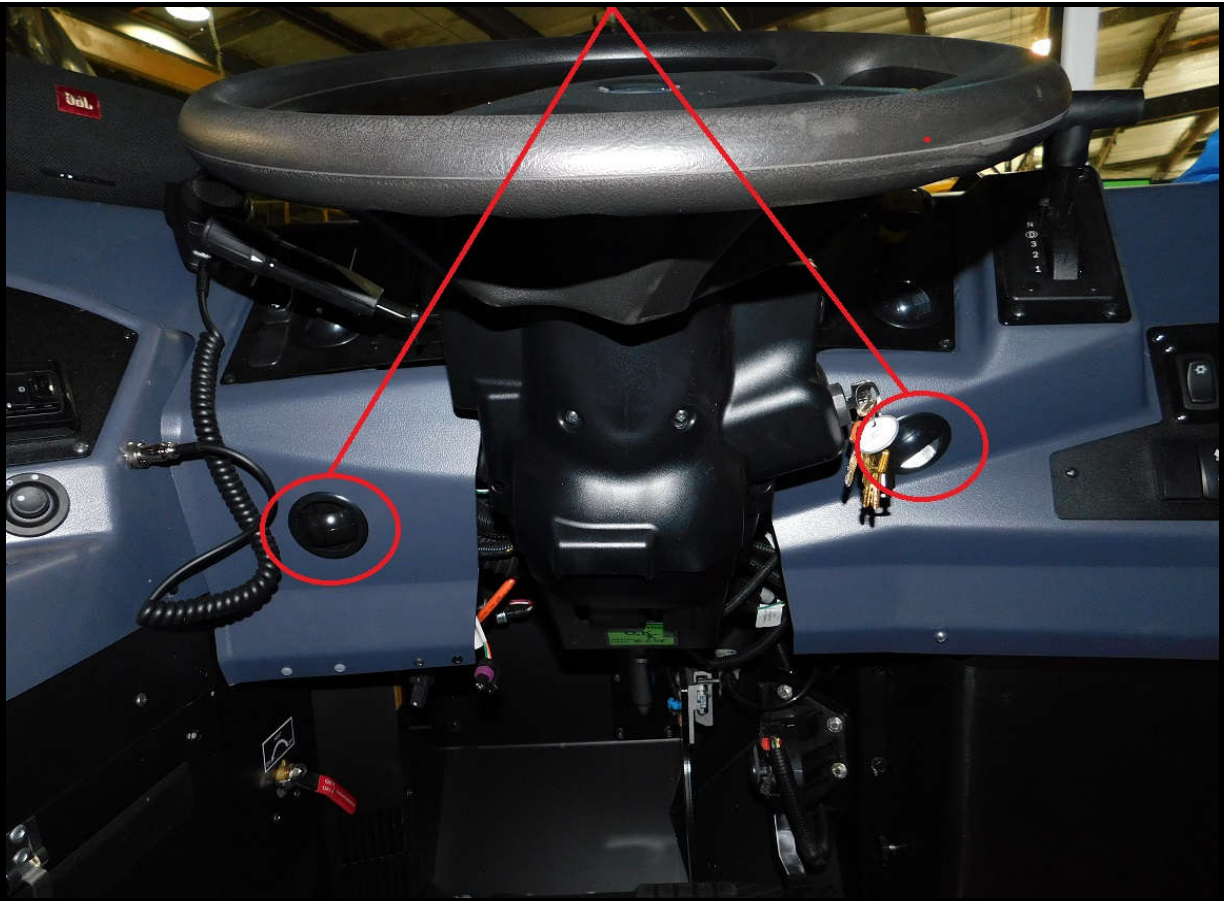




Picture of Dash before drilling and relocating Factory heater Louvers.



The factory heater Louvers are moved to these 2 locations by drilling 2 x 2.25" holes into plastic bezel as shown below. The reason for doing this is so that the cool air is blowing upwards and not into the drivers legs.





Attach hose from Dash Louvers to these 2 Hose Adapters on the unit

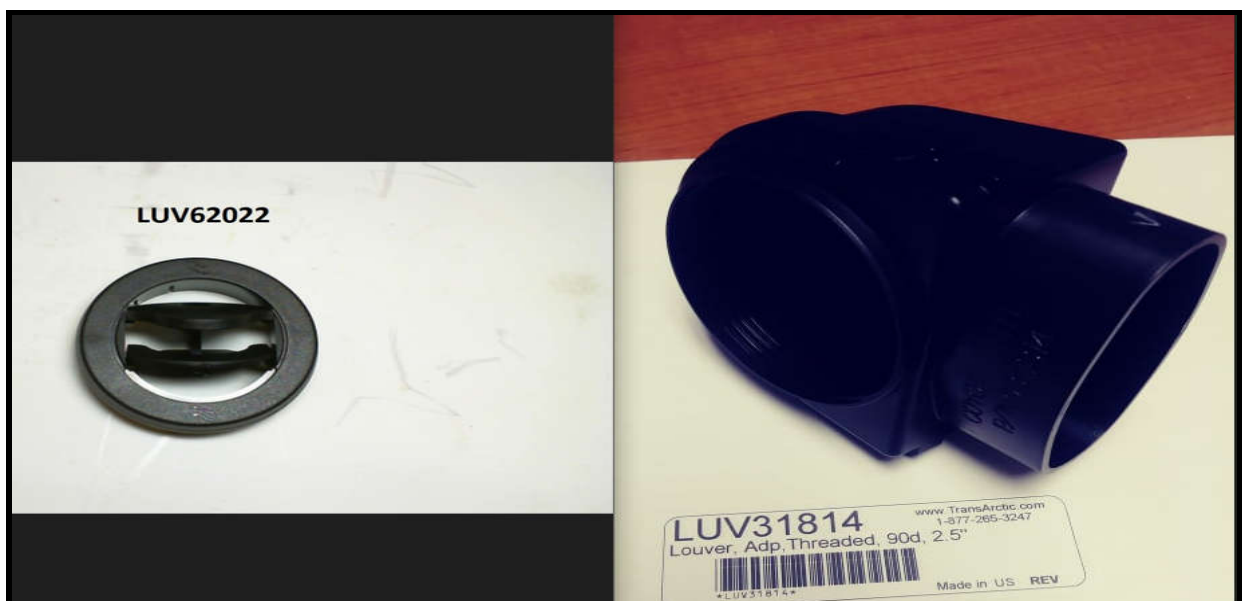


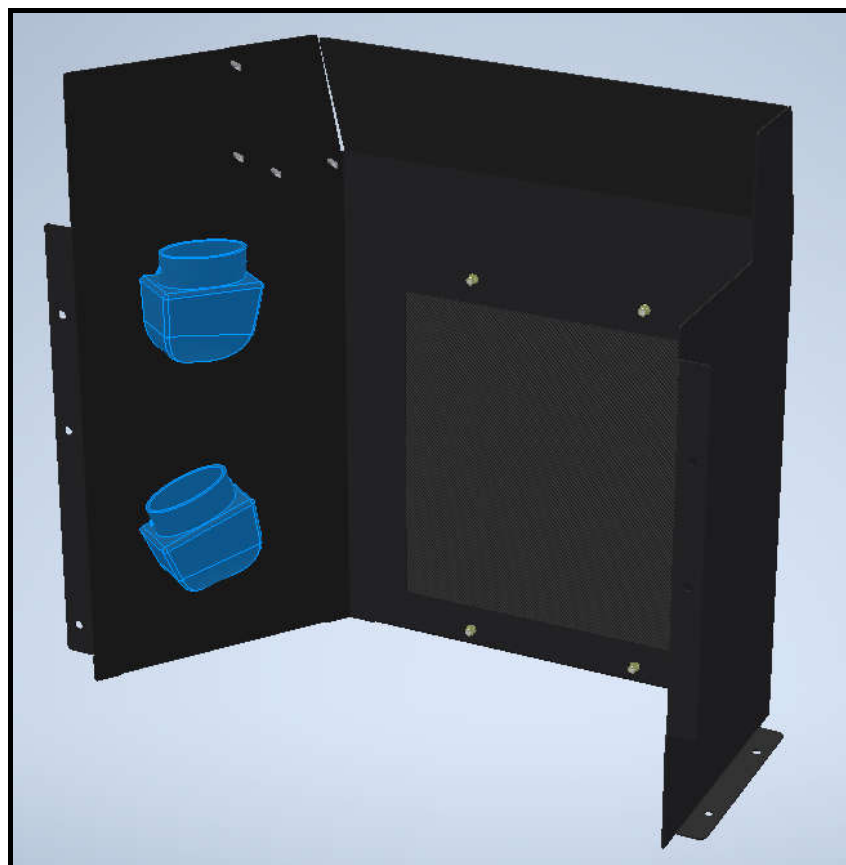


Attach hose to the remaining two hose adapters on the Dash Air Unit as shown.
Use the Y adapter (FTS31816) provided in Kit to splice one of the hoses to the
dash Control Louver and the other end to one of the Adapters on the Air intake
Bracket seen in the top left Picture.



As shown here. Hoses are run and the louvers can now be attached to The Air Intake Bracket before installing into place.





As shown here the Grab Bar has been re-installed and the Filter Intake Bracket with Louvers has been Screwed into place using Self Taping Screws Provided in the Kit.





Measure and cut the appropriate size hole into the dash plate as shown. Install A/C bezel. Ensure that blower functions on HIGH/MED/LOW AND A/C as well as Illumination before fastening down Dash Air Bezel with self - tapping screws provide and Re-attach dash bezel to pannel.



DASH AIR CONTROLS WILL ILLUMINATE WHEN IGNITION KEY IS TURNED ON.

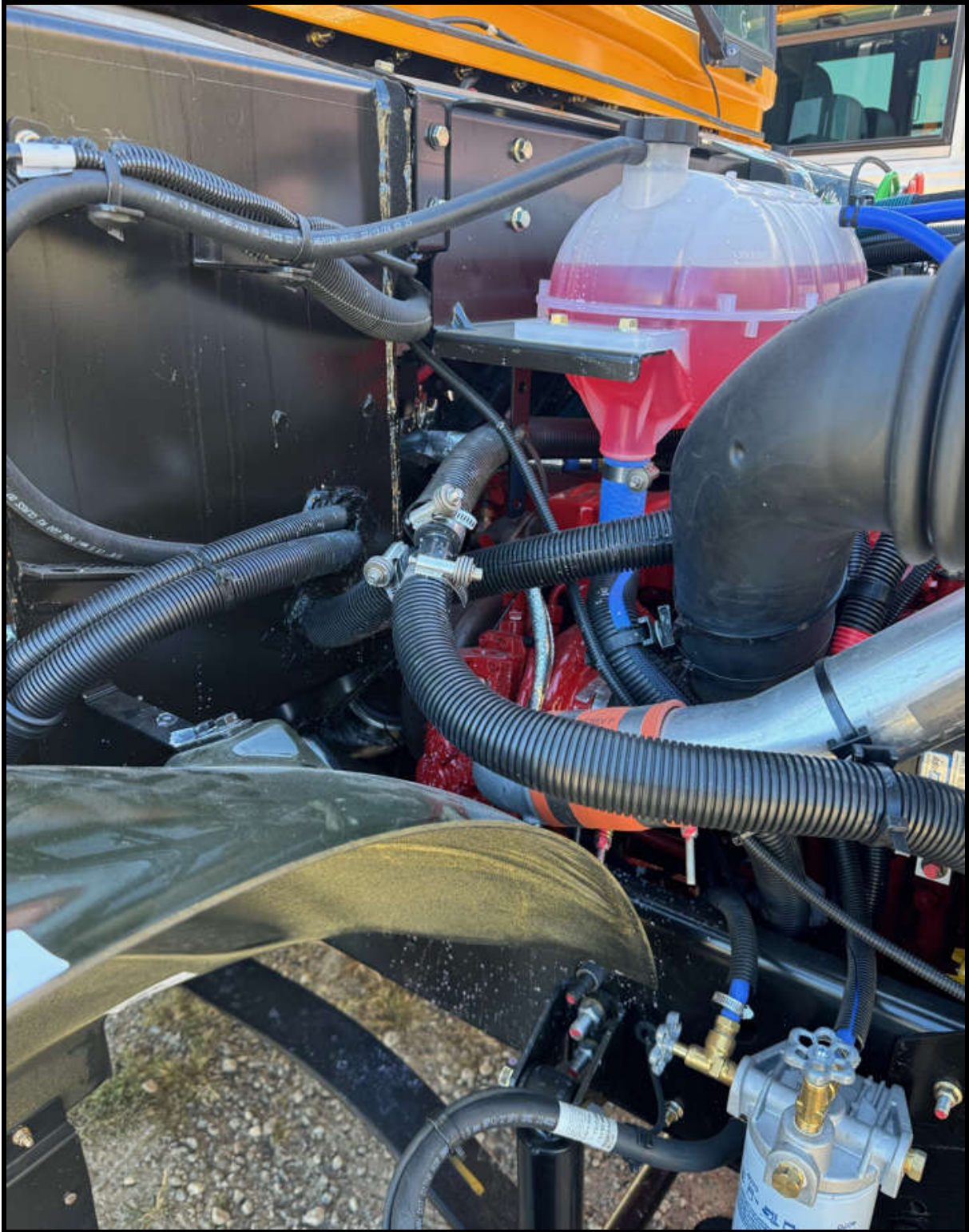


For Heat/Cool units two additional holes are drill as shown for the heater hose hook ups.

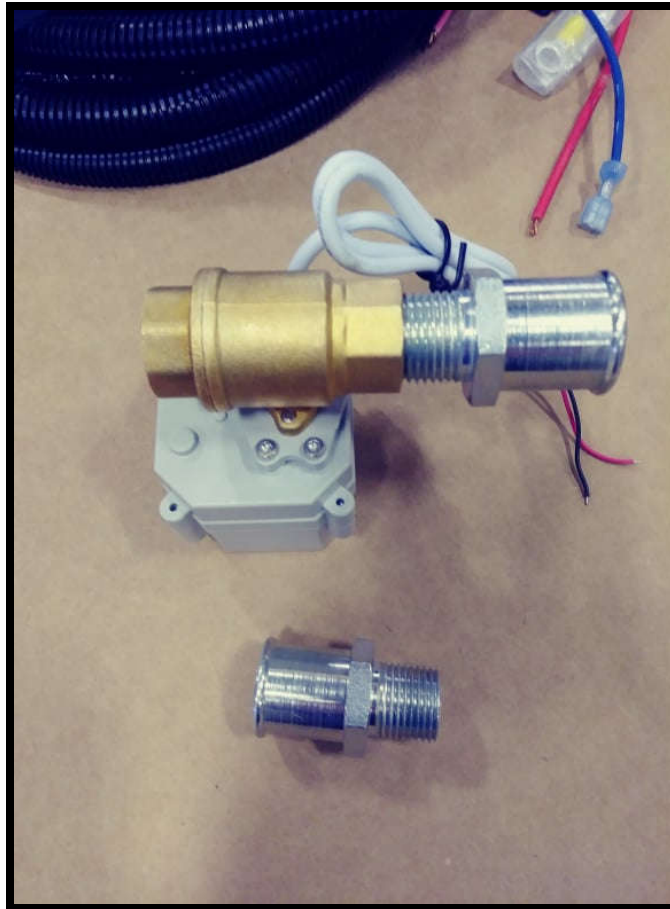


For the KDA00210 Heat/Cool unit the Solenoid control valve and Tee's provide in the kit are tied into the existing heater lines as shown in the pictures and run thru the firewall to the back of the unit just like the A/C lines.





VAA20012 – VALVE, ASSEMBLY, 12V MOTORIZED, WATER ON/OFF



FIL00200 – FILTER, AIR INTAKE

