

TRANSARGTIG 1-877-GOLD-AIR



↑ KDA50200 – KDA50210 ↑

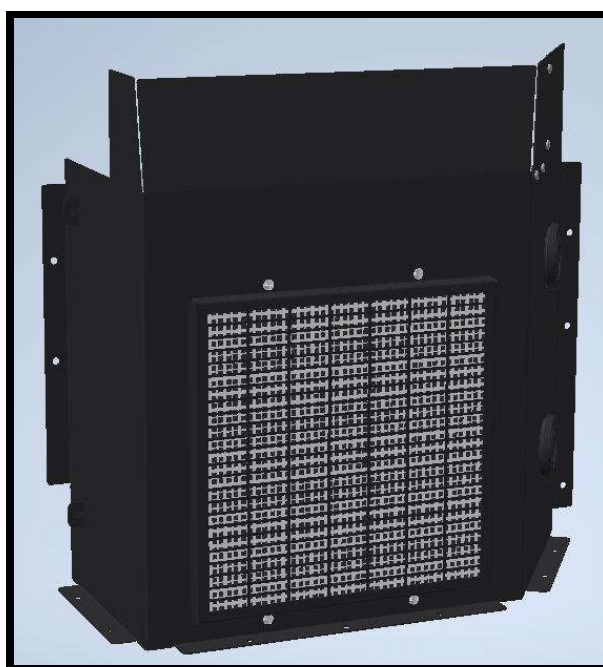
**SERVICE PARTS LIST
&
INSTALLATION INSTRUCTIONS.**

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

Rev 10026

TABLE OF CONTENTS

INTRODUCTION.....	2
ORDERING INSTRUCTIONS.....	3
MAIN ASSEMBLY.....	4, 5
BLOWER ASSEMBLY.....	6
MAIN BODY.....	7
FILTER ENCLOSURE.....	8, 9
ELECTRICAL DIAGRAM WIRE HARNESS.....	10-14
BILL OF MATERIALS...KDA50200.....KDA50210.....	15-21
INSTALLATION INSTRUCTIONS.....	22-43
DASH AIR CONTROL BEZEL INSTALLATION.....	(38-39)



INTRODUCTION:

This system is a KDA50200 - Cool Only or KDA50210 - 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

.....

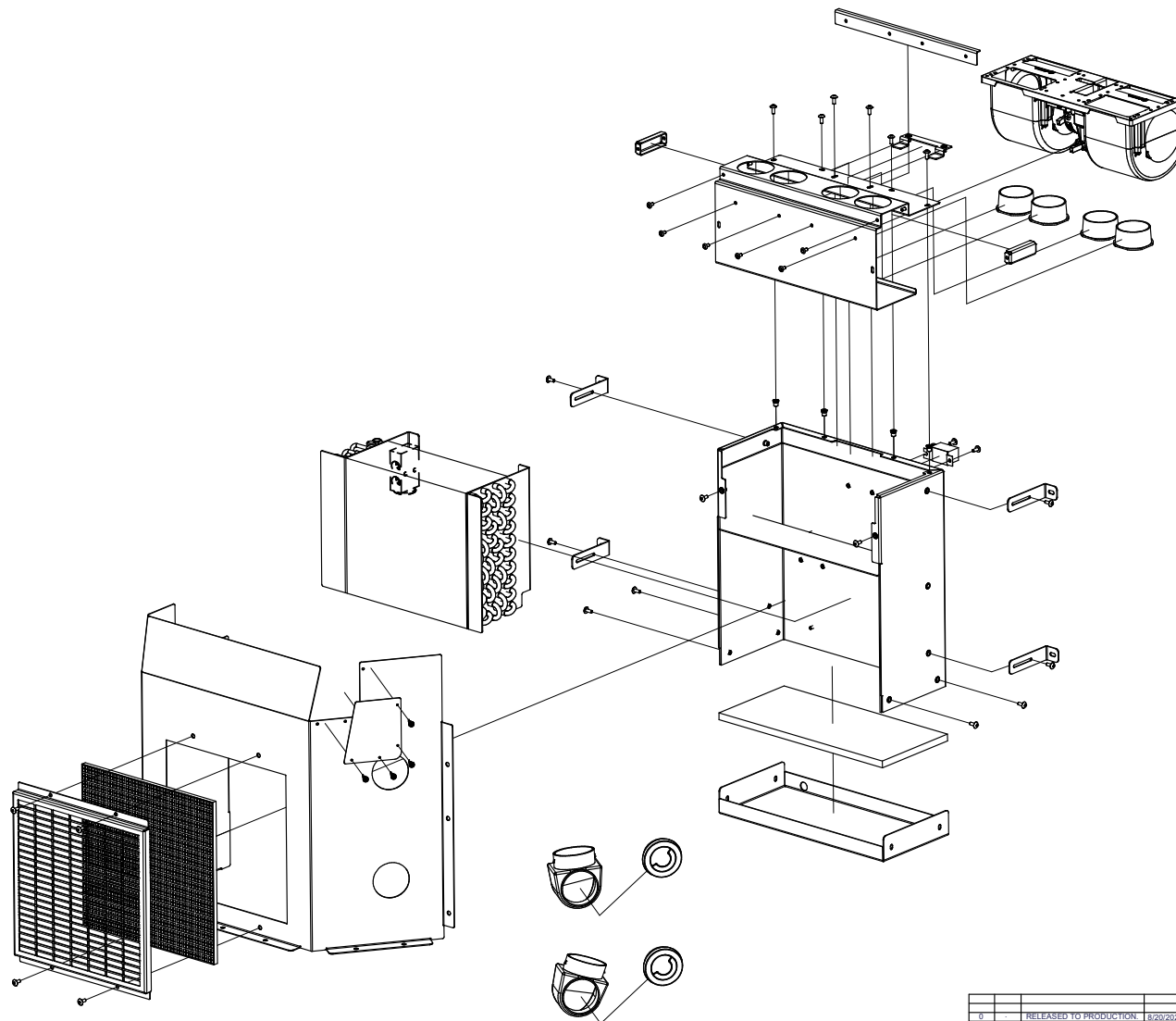
Parts Sales

Rebecca Yeoman
ryeoman@transarctic.com

.....

Kevin Harris
kharris@transarctic.com

.....



KDA00200 - 210 MAIN ASSEMBLY

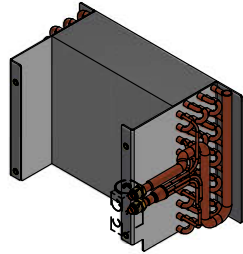
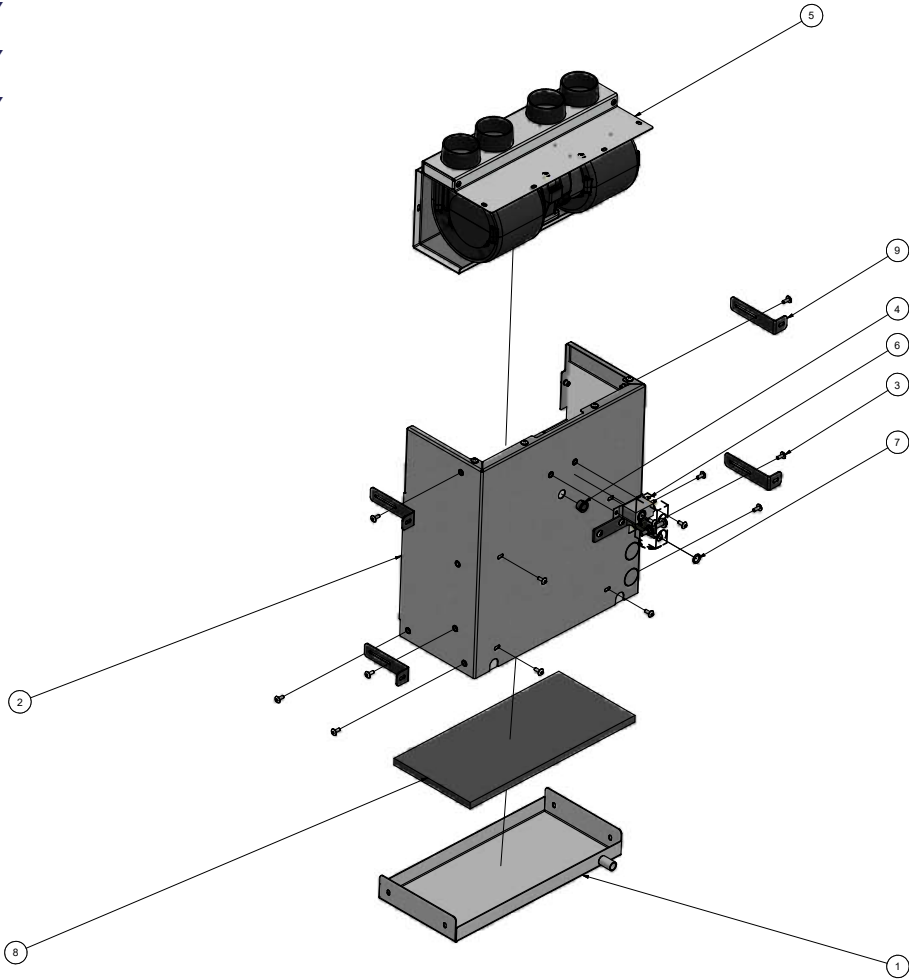
KDA00202 - 210 MAIN ASSEMBLY

KDA50200 - 210 MAIN ASSEMBLY

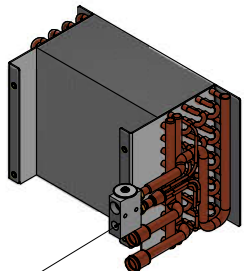
KDA50202 - 212 MAIN ASSEMBLY

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			8/24/2021		
Klarin			8/24/2021		
CHECKED			8/24/2021		
Jose Rodriguez			8/24/2021		
OR			8/24/2021		
Vaj Jakowlew			8/24/2021		
REV			8/24/2021		
James Stewart			8/24/2021		
APPROVED			8/24/2021		
Dale Mason			8/24/2021		
UNSPECIFIED TOLERANCES:			UNLESS OTHERWISE SPECIFIED		
ONE DECIMAL PLACE (X)			FRACTIONAL (1/16")		
TWO DECIMAL PLACE (XX)			FRACTIONAL (1/32")		
THREE DECIMAL PLACE (XXX)			FRACTIONAL (1/64")		
FRACTIONAL (1/16")			FRACTIONAL (1/32")		
FRACTIONAL (1/32")			FRACTIONAL (1/64")		
FRACTIONAL (1/64")			FRACTIONAL (1/128")		
FRACTIONAL (1/128")			FRACTIONAL (1/256")		
FRACTIONAL (1/256")			FRACTIONAL (1/512")		
FRACTIONAL (1/512")			FRACTIONAL (1/1024")		
FRACTIONAL (1/1024")			FRACTIONAL (1/2048")		
FRACTIONAL (1/2048")			FRACTIONAL (1/4096")		
FRACTIONAL (1/4096")			FRACTIONAL (1/8192")		
FRACTIONAL (1/8192")			FRACTIONAL (1/16384")		
FRACTIONAL (1/16384")			FRACTIONAL (1/32768")		
FRACTIONAL (1/32768")			FRACTIONAL (1/65536")		
FRACTIONAL (1/65536")			FRACTIONAL (1/131072")		
FRACTIONAL (1/131072")			FRACTIONAL (1/262144")		
FRACTIONAL (1/262144")			FRACTIONAL (1/524288")		
FRACTIONAL (1/524288")			FRACTIONAL (1/1048576")		
FRACTIONAL (1/1048576")			FRACTIONAL (1/2097152")		
FRACTIONAL (1/2097152")			FRACTIONAL (1/4194304")		
FRACTIONAL (1/4194304")			FRACTIONAL (1/8388608")		
FRACTIONAL (1/8388608")			FRACTIONAL (1/16777216")		
FRACTIONAL (1/16777216")			FRACTIONAL (1/33554432")		
FRACTIONAL (1/33554432")			FRACTIONAL (1/67108864")		
FRACTIONAL (1/67108864")			FRACTIONAL (1/134217728")		
FRACTIONAL (1/134217728")			FRACTIONAL (1/268435456")		
FRACTIONAL (1/268435456")			FRACTIONAL (1/536870912")		
FRACTIONAL (1/536870912")			FRACTIONAL (1/1073741824")		
FRACTIONAL (1/1073741824")			FRACTIONAL (1/2147483648")		
FRACTIONAL (1/2147483648")			FRACTIONAL (1/4294967296")		
FRACTIONAL (1/4294967296")			FRACTIONAL (1/8589934592")		
FRACTIONAL (1/8589934592")			FRACTIONAL (1/17179869184")		
FRACTIONAL (1/17179869184")			FRACTIONAL (1/34359738368")		
FRACTIONAL (1/34359738368")			FRACTIONAL (1/68719476736")		
FRACTIONAL (1/68719476736")			FRACTIONAL (1/137438953472")		
FRACTIONAL (1/137438953472")			FRACTIONAL (1/274877906944")		
FRACTIONAL (1/274877906944")			FRACTIONAL (1/549755813888")		
FRACTIONAL (1/549755813888")			FRACTIONAL (1/1099511627776")		
FRACTIONAL (1/1099511627776")			FRACTIONAL (1/2199023255552")		
FRACTIONAL (1/2199023255552")			FRACTIONAL (1/4398046511104")		
FRACTIONAL (1/4398046511104")			FRACTIONAL (1/8796093022208")		
FRACTIONAL (1/8796093022208")			FRACTIONAL (1/17592186044416")		
FRACTIONAL (1/17592186044416")			FRACTIONAL (1/35184372088832")		
FRACTIONAL (1/35184372088832")			FRACTIONAL (1/70368744177664")		
FRACTIONAL (1/70368744177664")			FRACTIONAL (1/140737488355328")		
FRACTIONAL (1/140737488355328")			FRACTIONAL (1/281474976710656")		
FRACTIONAL (1/281474976710656")			FRACTIONAL (1/562949953421312")		
FRACTIONAL (1/562949953421312")			FRACTIONAL (1/1125899906842624")		
FRACTIONAL (1/1125899906842624")			FRACTIONAL (1/2251799813685248")		
FRACTIONAL (1/2251799813685248")			FRACTIONAL (1/4503599627370496")		
FRACTIONAL (1/4503599627370496")			FRACTIONAL (1/9007199254740992")		
FRACTIONAL (1/9007199254740992")			FRACTIONAL (1/18014398509481984")		
FRACTIONAL (1/18014398509481984")			FRACTIONAL (1/36028797018963968")		
FRACTIONAL (1/36028797018963968")			FRACTIONAL (1/72057594037927936")		
FRACTIONAL (1/72057594037927936")			FRACTIONAL (1/144115188075855872")		
FRACTIONAL (1/144115188075855872")			FRACTIONAL (1/288230376151711744")		
FRACTIONAL (1/288230376151711744")			FRACTIONAL (1/576460752303423488")		
FRACTIONAL (1/576460752303423488")			FRACTIONAL (1/1152921504606846976")		
FRACTIONAL (1/1152921504606846976")			FRACTIONAL (1/2305843009213693952")		
FRACTIONAL (1/2305843009213693952")			FRACTIONAL (1/4611686018427387904")		
FRACTIONAL (1/4611686018427387904")			FRACTIONAL (1/9223372036854775808")		
FRACTIONAL (1/9223372036854775808")			FRACTIONAL (1/18446744073709551616")		
FRACTIONAL (1/18446744073709551616")			FRACTIONAL (1/36893488147419103232")		
FRACTIONAL (1/36893488147419103232")			FRACTIONAL (1/73786976294838206464")		
FRACTIONAL (1/73786976294838206464")			FRACTIONAL (1/147573952589676412928")		
FRACTIONAL (1/147573952589676412928")			FRACTIONAL (1/295147905179352825856")		
FRACTIONAL (1/295147905179352825856")			FRACTIONAL (1/590295810358705651712")		
FRACTIONAL (1/590295810358705651712")			FRACTIONAL (1/1180591620717411303424")		
FRACTIONAL (1/1180591620717411303424")			FRACTIONAL (1/2361183241434822606848")		
FRACTIONAL (1/2361183241434822606848")			FRACTIONAL (1/4722366482869645213696")		
FRACTIONAL (1/4722366482869645213696")			FRACTIONAL (1/9444732965739290427392")		
FRACTIONAL (1/9444732965739290427392")			FRACTIONAL (1/18889465931478580854784")		
FRACTIONAL (1/18889465931478580854784")			FRACTIONAL (1/37778931862957161709568")		
FRACTIONAL (1/37778931862957161709568")			FRACTIONAL (1/75557863725914323419136")		
FRACTIONAL (1/75557863725914323419136")			FRACTIONAL (1/151115727451828646838272")		
FRACTIONAL (1/151115727451828646838272")			FRACTIONAL (1/302231454903657293676544")		
FRACTIONAL (1/302231454903657293676544")			FRACTIONAL (1/604462909807314587353088")		
FRACTIONAL (1/604462909807314587353088")			FRACTIONAL (1/1208925819614629174706176")		
FRACTIONAL (1/1208925819614629174706176")			FRACTIONAL (1/2417851639229258349412352")		
FRACTIONAL (1/2417851639229258349412352")			FRACTIONAL (1/4835703278458516698824704")		
FRACTIONAL (1/4835703278458516698824704")			FRACTIONAL (1/9671406556917033397649408")		
FRACTIONAL (1/9671406556917033397649408")			FRACTIONAL (1/19342813113834066795298816")		
FRACTIONAL (1/19342813113834066795298816")			FRACTIONAL (1/38685626227668133590597632")		
FRACTIONAL (1/38685626227668133590597632")			FRACTIONAL (1/77371252455336267181195264")		
FRACTIONAL (1/77371252455336267181195264")			FRACTIONAL (1/154742504910672534362390528")		
FRACTIONAL (1/154742504910672534362390528")			FRACTIONAL (1/309485009821345068724781056")		
FRACTIONAL (1/309485009821345068724781056")			FRACTIONAL (1/618970019642690137449562112")		
FRACTIONAL (1/618970019642690137449562112")			FRACTIONAL (1/1237940039285380274899124224")		
FRACTIONAL (1/1237940039285380274899124224")			FRACTIONAL (1/2475880078570760549798248448")		
FRACTIONAL (1/2475880078570760549798248448")			FRACTIONAL (1/4951760157141521099596496896")		
FRACTIONAL (1/4951760157141521099596496896")			FRACTIONAL (1/9903520314283042199192993792")		
FRACTIONAL (1/9903520314283042199192993792")			FRACTIONAL (1/19807040628566084398385987584")		
FRACTIONAL (1/19807040628566084398385987584")			FRACTIONAL (1/39614081257132168796771975168")		
FRACTIONAL (1/39614081257132168796771975168")			FRACTIONAL (1/79228162514264337593543950336")		
FRACTIONAL (1/79228162514264337593543950336")			FRACTIONAL (1/158456325028528675187087900672")		
FRACTIONAL (1/158456325028528675187087900672")			FRACTIONAL (1/316912650057057350374175801344")		
FRACTIONAL (1/31691265005					

KDA00200 - 210 MAIN ASSEMBLY
KDA00202 - 210 MAIN ASSEMBLY
KDA50200 - 210 MAIN ASSEMBLY
KDA50202 - 212 MAIN ASSEMBLY



EVC00205
COOL ONLY



VAL00000

EVC00207
HEAT / COOL

22	1	EACH	NTM04002	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" X11" 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	MATERIAL S	DESCRIPTION

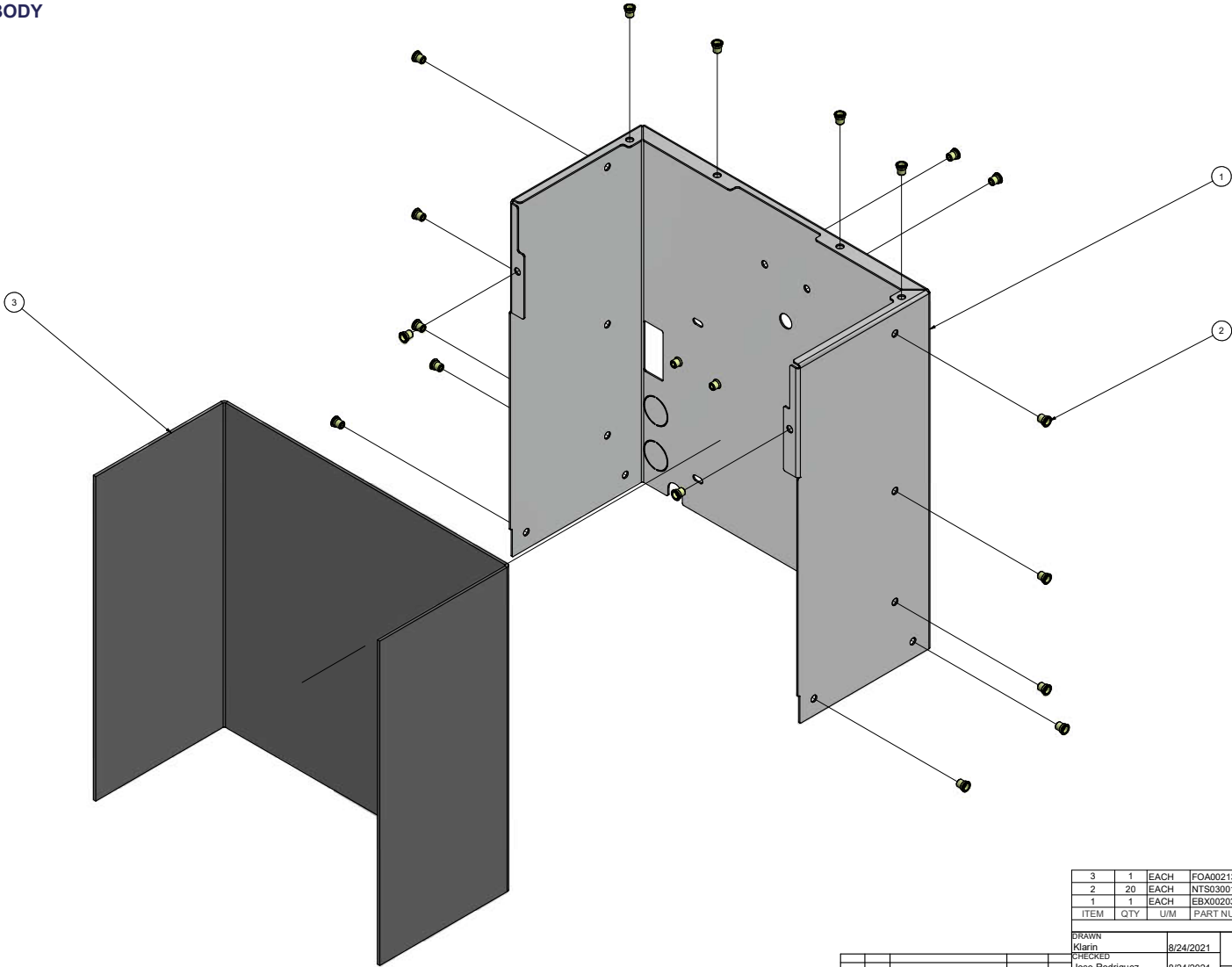
DRAWN		8/24/2021		TITLE	
Klarin		8/24/2021		ASS'Y, MAIN, IN DASH A/C-H/C	
CHECKED		8/24/2021		SIZE	
Jose Rodriguez		8/24/2021		D	
BY		8/21/2021		DWG NO	
Val Jakowlew		8/21/2021		KDA00210	
APPROVED		8/24/2021		SHEET	
Dale Mason		8/24/2021		2 OF 5	
UNSPECIFIED TOLERANCES:		MM (INCH)		REV	
ONE DECIMAL PLACE (XX)		.1 (0.004)		0	
TWO DECIMAL PLACE (XXX)		.01 (0.0005)			
THREE DECIMAL PLACE (XXX)		.001 (0.0001)			
FRACTIONAL, 16/100"		1/16 (0.0625)			

REV	ECN	DESCRIPTION	DATE	BY
0		RELEASED TO PRODUCTION	8/20/2021	REV
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.				
THIRD ANGLE PROJECTION				

DRAWING UNIT OF MEASURE: MM (INCH) SCALE: 1:4



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				
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				
1:2				
SHEET				
4 OF 5				

TRANSARCTIC INC.

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

KDA00210

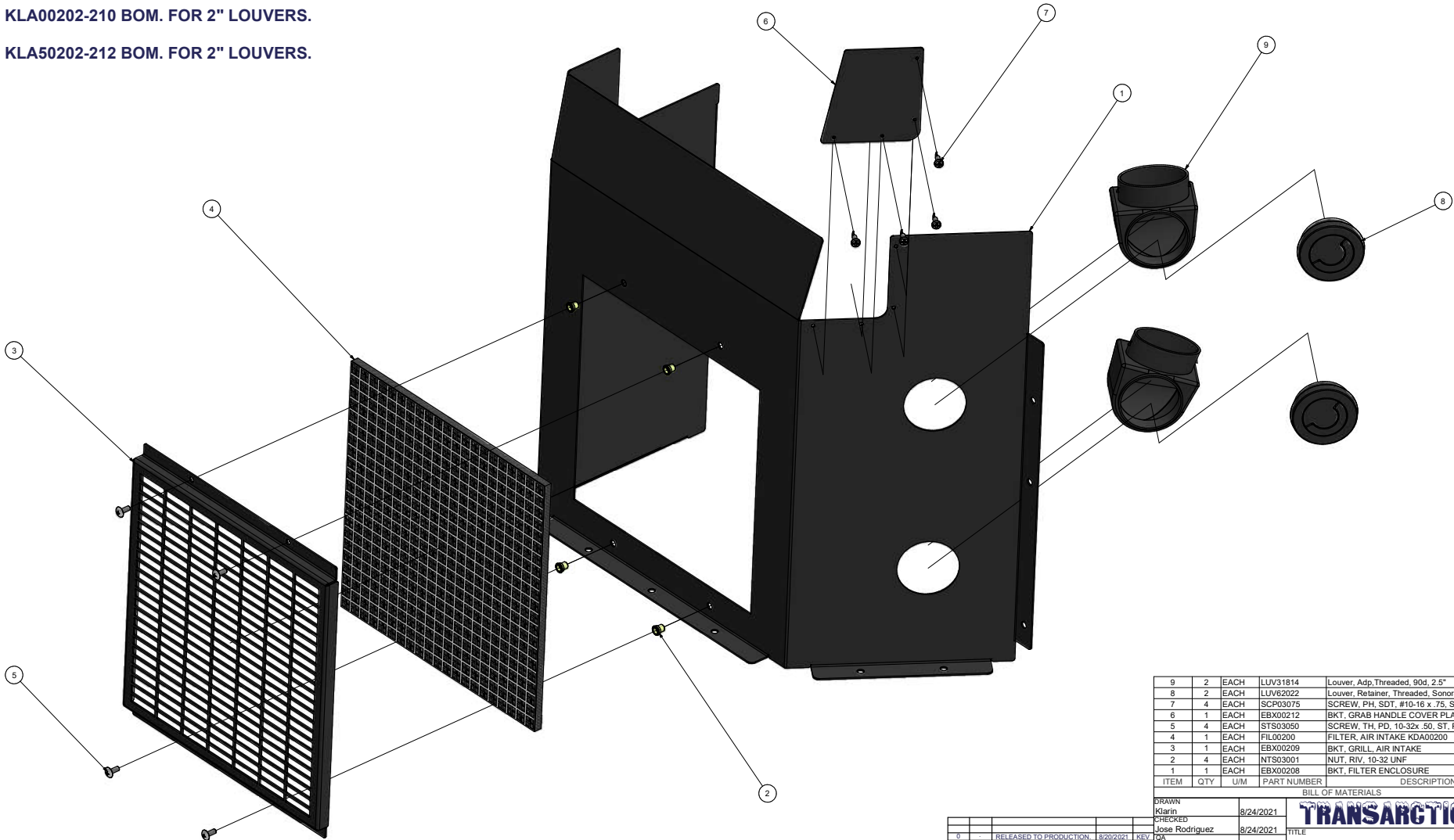
REV 0

SHEET 4 OF 5

EBX00214 - ASSEMBLY BLOWER HOUSING

SEE KLA00202-210 BOM. FOR 2" LOUVERS.

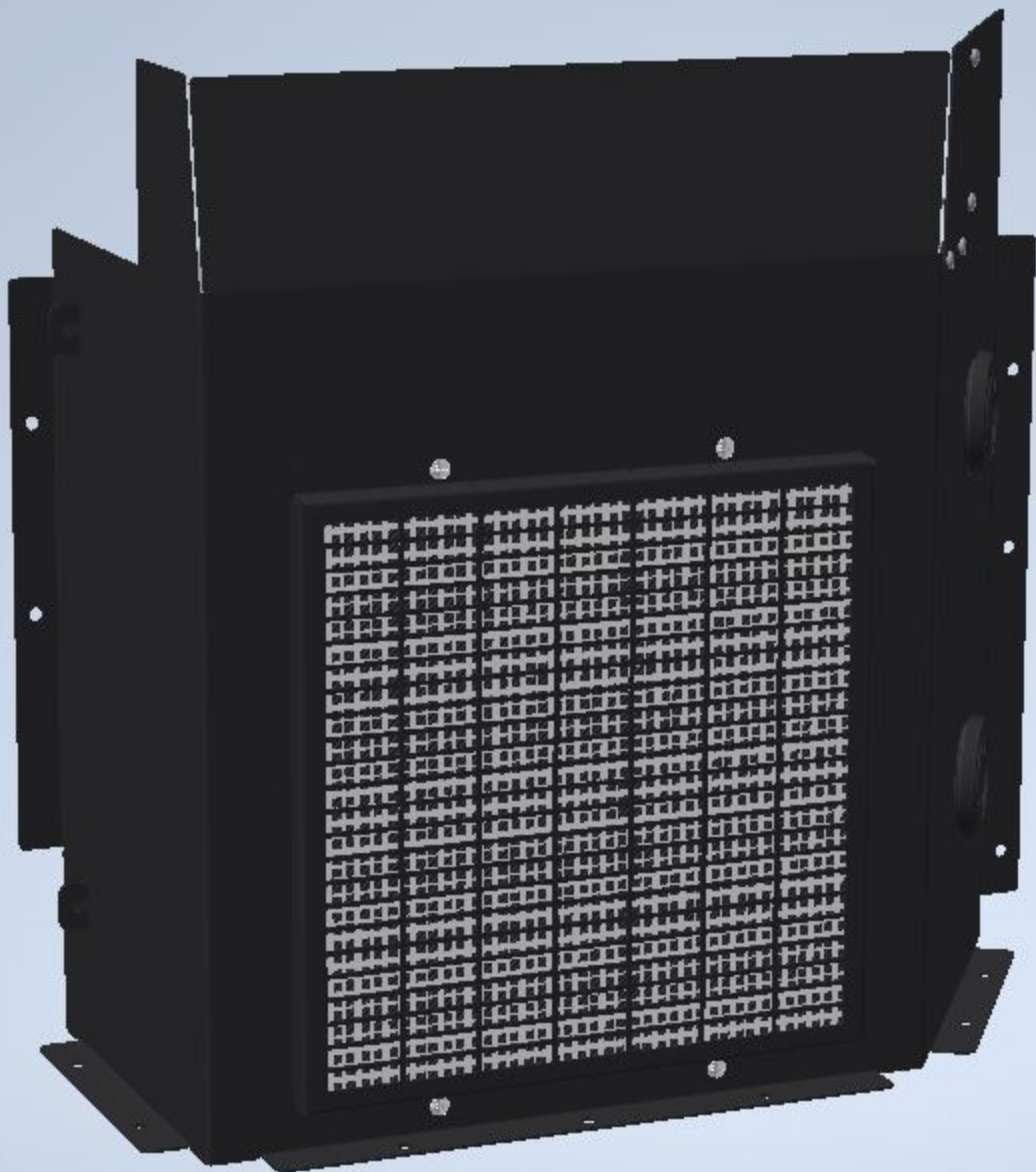
SEE KLA50202-212 BOM. FOR 2" LOUVERS.



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	
SIZE				DWG NO KDA00210	
D				REV 0	
SCALE				1 : 2	
DRAWING UNIT OF MEASURE				MM (INCH)	
SHEET				5 OF 5	

0		RELEASED TO PRODUCTION	8/20/2021	KEY
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:				
ONE DECIMAL PLACE (X)	1/16	INCH		
TWO DECIMAL PLACE (XX)	1/32	INCH		
THREE DECIMAL PLACE (XXX)	1/64	INCH		
FRACTIONAL (1/16")	1/16	INCH		
ANGULAR		≤ 32		
				
			THIRD ANGLE PROJECTION	



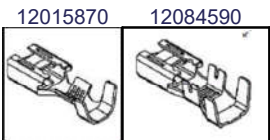
WIRE STYLE TO BE 14GA. AND 16GA.
(SXL) - SAE - J1128

START STRIP ALL WIRE ENDS.

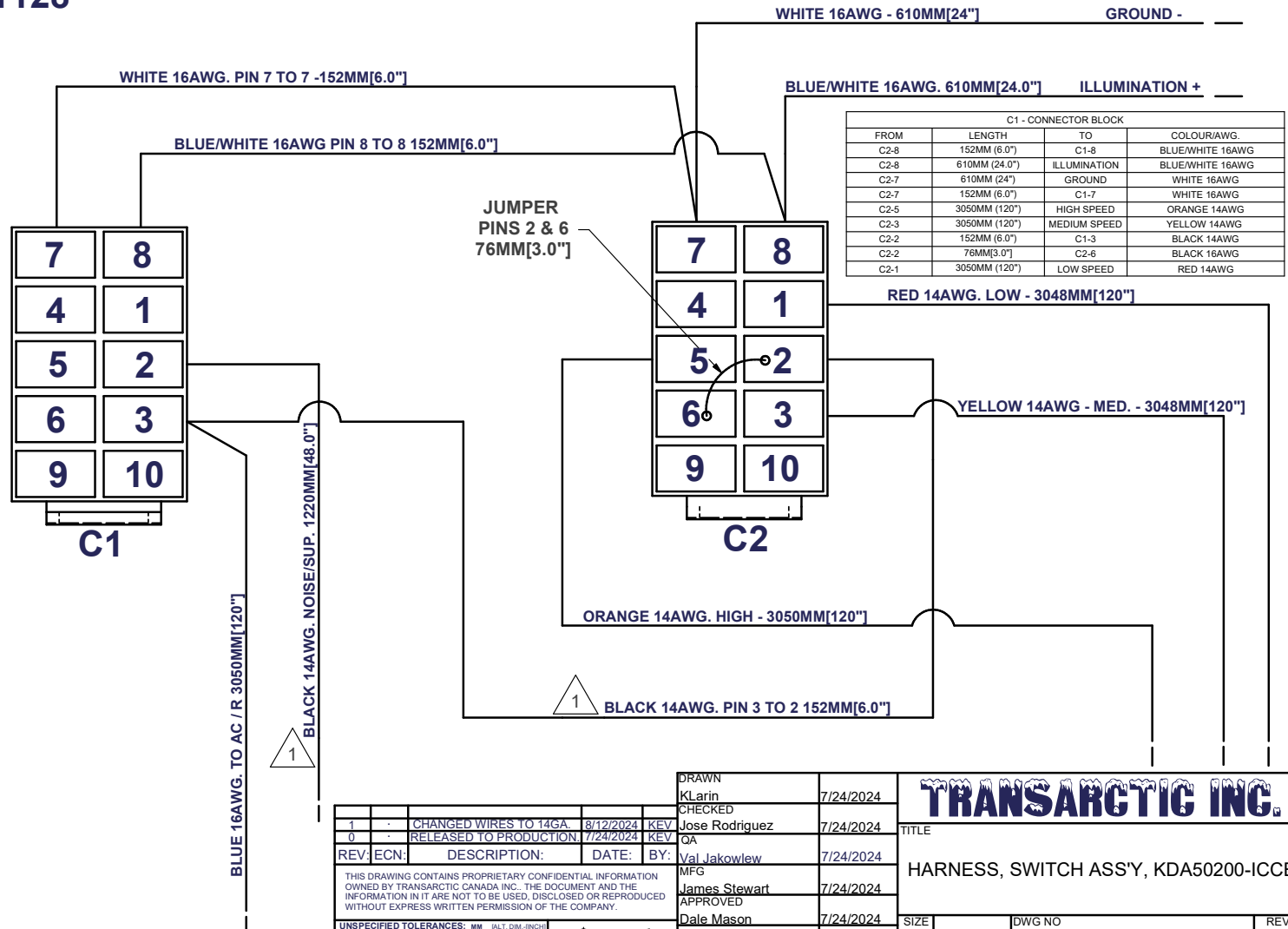
C1 - CONNECTOR BLOCK			
FROM	LENGTH	TO	COLOUR/AWG.
C1-8	152MM (6.0")	C2-8	BLUE/WHITE 16AWG
C1-7	152MM (6.0")	C2-7	WHITE 16AWG
C1-2	1220MM (48.0")	N/S	BLACK 14AWG
C1-3	127MM (5.0")	C2-2	BLACK 14AWG
C1-3	3050MM (120")	AC / R	BLUE 16AWG



MOUSER 10 TERMINAL CONNECTOR
P/N - 691-VC1-01 x 2PCS.



.25" FEMALE SPADE CONNECTOR
MANUFACTURER
P/N - 12015870 (APTIVE) (X 6)
P/N - 12084590 (APTIVE) (X 3)



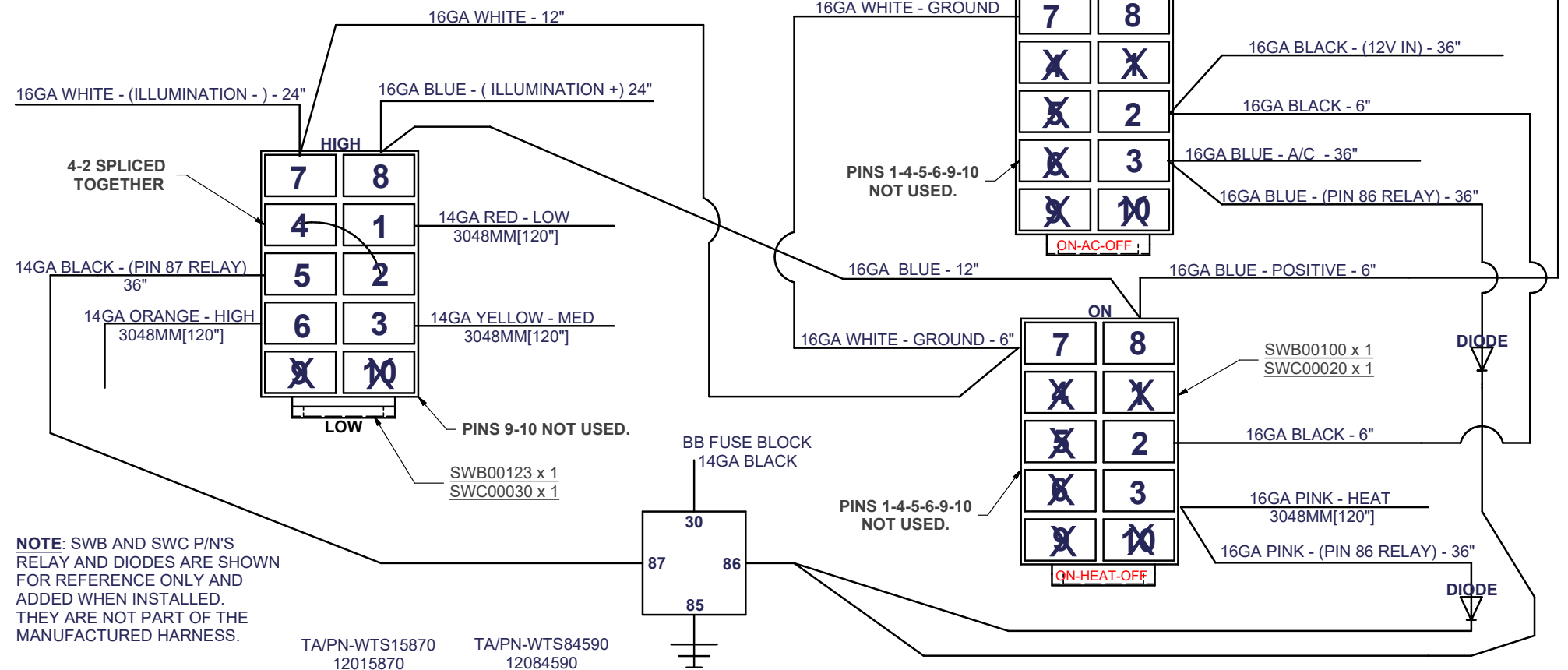
C1 - CONNECTOR BLOCK			
FROM	LENGTH	TO	COLOUR/AWG.
C2-8	152MM (6.0")	C1-8	BLUE/WHITE 16AWG
C2-8	610MM (24.0")	ILLUMINATION	BLUE/WHITE 16AWG
C2-7	610MM (24.0")	GROUND	WHITE 16AWG
C2-7	152MM (6.0")	C1-7	WHITE 16AWG
C2-5	3050MM (120")	HIGH SPEED	ORANGE 14AWG
C2-3	3050MM (120")	MEDIUM SPEED	YELLOW 14AWG
C2-2	152MM (6.0")	C1-3	BLACK 14AWG
C2-2	76MM[3.0"]	C2-6	BLACK 16AWG
C2-1	3050MM (120")	LOW SPEED	RED 14AWG

1	--	CHANGED WIRES TO 14GA.	8/12/2024	KE
0	--	RELEASED TO PRODUCTION:	7/24/2024	KE
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 (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	7/24/2024
CHECKED		
JOSE RODRIGUEZ	7/24/2024	KEY
QA		
Val Jakowlew	7/24/2024	
MFG		
James Stewart	7/24/2024	
APPROVED		
Dale Mason	7/24/2024	
DRAWING UNIT OF MEASURE:	MM [INCH]	

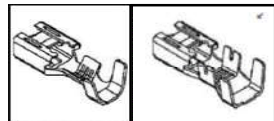
TRANSARCTIC INC.			
TITLE			
HARNESS, SWITCH ASS'Y, KDA50200-ICCE			
SIZE	B	DWG NO	HAR50200
SCALE	2 : 1	SHEET	1 OF 1
REV	1		

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



NOTE: SWB AND SWC P/N'S RELAY AND DIODES ARE SHOWN FOR REFERENCE ONLY AND ADDED WHEN INSTALLED. THEY ARE NOT PART OF THE MANUFACTURED HARNESS.

TA/PN-WTS15870 12015870
TA/PN-WTS84590 12084590



.25" FEMALE SPADE CONNECTOR
MANUFACTURER
P/N - 12015870 (APTIVE) (X 9)
P/N - 12084590 (APTIVE) (X 7)

MOUSER 10 TERMINAL CONNECTOR
P/N - 691-VC1-01 x 3PCS.

REV	ECN	DESCRIPTION	DATE	BY
1	-	ADDED OUR SPADE-PN's	1/2/2024	KEV
0	-	RELEASED TO PRODUCTION	8/4/2023	KEV
A	-	RELEASED TO PROTOTYPE	7/27/2023	KEV
REV	ECN	DESCRIPTION	DATE	BY
1	-	ADDED OUR SPADE-PN's	1/2/2024	KEV
0	-	RELEASED TO PRODUCTION	8/4/2023	KEV
A	-	RELEASED TO PROTOTYPE	7/27/2023	KEV

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



DRAWN	KLarin	7/27/2023
CHECKED	Jose Rodriguez	7/27/2023
QA	Val Jakowlew	7/27/2023
MFG	James Stewart	7/27/2023
APPROVED	Dale Mason	7/27/2023

TRANSARCTIC INC.	
TITLE	
HARNESS, SWITCH ASS'Y, KDA50210-ICCE	
SIZE	DWG NO
B	HAR50201
SCALE	2 : 1
SHEET	1 OF 1
REV	1

Bill of Materials Listing

TransArctic, Inc. (FV)

9/10/2026

Page 1 of 1

Product Number		Date		Description		Typ	Uof M	Weight	Yield
Line	Qty	Component	Prod#	Rev#	Description	Location	Typ	Unit	
KDA50200			11/15/2022	A	Assy, Main, In Dash, Cool Only		Ma	3.88	0
190	1	KLA50200		0	Kit, Louver, Install, Ass'y,KDA50200/210		Ma	each	
200	1	JEV00200		0	Sub Kit, Evap, C/O, Dash Air		Ma	each	
210	1	SDA50200		0	Kit, Switch, Dash Ass'y, C/O, Dash Air		Ma	each	

Bill of Materials Listing

TransArctic, Inc. (FV)

9/10/2026
Page 1 of 1

Product Number		Date		Description		Typ	Uof M	Weight	Yield	
Line	Qty	Component	Prod#	Rev#	Description	Location	Typ	Unit		
KLA50200		2/15/2023		0	Kit, Louver, Install, Ass'y,KDA50200/210		Ma	each	1.90	1
5	1	PAC12120			Box 12" x 12" x 18", 275lb test		No	each		
20	2	21046			Cable Tie, 14.5", UV Resistant, Black		No	each		
30	5	CLP06001			Clamp, Gear, #6, 3/8-3/4 (10-20mm), S		No	each		
60	2.00	K010-1013			Hose, Drain, Evap., 5/8", Clear Vinyl		No	feet		
90	3	LUV62059			Horizon, Threaded, Hose Adapter, 2.25"		No	each		
100	3	LUV62064			Louver, Horizon, 2.25"		No	each		
110	1	HOD16300			Hose, Drain, Valve, Kazoo, 1.25" x 3.0"		Ma	each		
120	1	EBX00209		0	Bkt, Grill, Air Intake		No	each		
140	8	SCP03075FB			Screw, PH,PD, SDT, #10-16 x.75, ST,Black		No	each		
150	1	FIL00200		0	Filter, Air Intake, 12" x 12" x.375"		No	each		
170	4	NTS03001			Nut, Riv, 10-32 unf, Stl, Plt		No	each		
180	4	SCP03051			Screw, PH, PD, #10-16 x .50, ST, Stl,Plt		No	each		
190	4	SCP04075			Screw, PH, PD, SM, 1/4-14 x .75, ST, Plt		No	each		
200	1	IST00024			Tape, Insulation, "No Drip", 1/8"x2"x36"		Ma	each		
210	4	EBX00211		1	Bkt, KDA00200, Mount		No	each		
220	4	STS03050			Screw, TH, PD, 10-32 x .50, ST, Plt		No	each		
230	25	HOA25000		0	Hose, Defroster, AutoFlex,2.50"d		No	feet		
240	1	EL58HB			Ftg., Elbow, 5/8", Plastic,Drain Hose		No	each		
250	1	T58			Ftg, "T", 5/8", Plastic, Drain Hose		No	each		
260	8	CLP36001			Clamp, Gear, #36,1 13/16-2 3/4 (46/70mm)		No	each		
270	1	03-1819			Louver, Remote Holder Starlite		No	each		
280	1	06-2004			Louver, Canyon Ball/Retainer Panel Mount		No	each		
290	1	06-2004-2.5			Hose Adapter 2.5"/ 2.5" Ball Louver		No	each		

Bill of Materials Listing

TransArctic, Inc. (FV)

9/10/2026
Page 1 of 1

Product Number		Date		Description		Typ	Uof M	Weight	Yield
Line	Qty	Component	Prod#	Rev#	Description	Location	Typ	Unit	
JEV00200		2/15/2023		0	Sub Kit, Evap, C/O, Dash Air		Ma	each	15.89
5	1	PAC24180			Box, 24"x18" x12", 275lb test		No	each	1
30	1	EBX00207		2	Bkt, Weldmn't, Drain Pan		No	each	
50	1	EBX00213		1	Bkt, Assem'y, Main Body		Ma	each	
60	1	EBX00214		0	Bkt, Assem'y, Blower Housing		Ma	each	
70	1	ECA00205		0	Evap, Assembly. 10"H x 11"W x 5 Row, C/O		Ma	Each	
80	1	FOA00200		0	Foam, Anti Spla, 15ppi, 1/2"x 7"x15"		Ma	each	
110	2	ORS20738			O Ring, Seal, 1/2" OD, R-134, #8 Bump		No	each	
120	22	STS03050			Screw, TH, PD, 10-32 x .50, ST, Plt		No	each	
130	1	SWF18685			Thermostat, Freeze Out, 18" Non- Adj		Ma	each	
160	1	VAL00000			Valve, TX, Block type, 1.5 ton, R-134A		No	each	
170	2	WFS04001			Washer, Flat, 1/4", 18-8, SS		No	each	
180	1	WLS04000			Washer, Lock, 1/4", 18-8, SS		No	each	
190	1	BTS04201			Bolt, Hex, 1/4-28 UNF, 2", 18-8, SS		No	each	
200	1	NTM04001			Nut, Hex, 1/4-28unf, 18-8, SS		No	each	
210	1	EBX00217		0	Bkt, Support, Block TX, Valve		No	each	

Bill of Materials Listing

TransArctic, Inc. (FV)

9/10/2026
Page 1 of 1

Product Number		Date		Description		Typ	Uof M	Weight	Yield
Line	Qty	Component	Prod#	Rev#	Description	Location	Typ	Unit	
SDA50200			2/15/2023	0	Kit, Switch, Dash Ass'y, C/O, Dash Air		Ma	0.32	0
10	1	SWC00010			Rocker Switch Cover, Dash ON/OFF		No	each	
40	1	HAR50200		1	Harness, Switch Asm'y, KDA50200-ICCE		Ma	each	
50	1	SWB00123			Rocker Switch Base, SPTT, HML		No	each	
60	1	SWB00100			Rocker Switch Base, SPDT, ON/OFF		No	each	
70	1	SWC00030			Rocker Switch Cover, Dash HML		No	each	

Bill of Materials Listing

TransArctic, Inc. (FV)

9/10/2026

Page 1 of 1

Product Number		Date		Description		Typ	Uof M	Weight	Yield	
Line	Qty	Component	Prod#	Rev#	Description	Location	Typ	Unit		
KDA50210		11/15/2022		A	Assy, Main, In Dash, Heat/Cool, ICCE.		Ma	each	33.47	1
30	1	KLA50200		0	Kit, Louver, Install, Ass'y,KDA50200/210		Ma	each		
40	1	JEV00210		0	Sub Kit, Evap, H/C, Dash Air		Ma	each		
50	1	SDA50210		0	Kit, Switch, Dash Ass'y, H/C, Dash Air		Ma	each		

Bill of Materials Listing

TransArctic, Inc. (FV)

9/10/2026
Page 1 of 1

Product Number		Date		Description		Typ	Uof M	Weight	Yield
Line	Qty	Component	Prod#	Rev#	Description	Location	Typ	Unit	
JEV00210		2/15/2023		0	Sub Kit, Evap, H/C, Dash Air		Ma	each	5.37
5	1	PAC24180			Box, 24"x18" x12", 275lb test		No	each	1
30	1	EBX00207		2	Bkt, Weldmn't, Drain Pan		No	each	
50	1	EBX00213		1	Bkt, Assem'y, Main Body		Ma	each	
60	1	EBX00214		0	Bkt, Assem'y, Blower Housing		Ma	each	
70	1	ECA00207		0	Evap, Assembly. 10"H x 11"W x 7 Row, H/C		Ma	Each	
80	1	FOA00200		0	Foam, Anti Spla, 15ppi, 1/2"x 7"x15"		Ma	each	
110	2	ORS20738			O Ring, Seal, 1/2" OD, R-134, #8 Bump		No	each	
120	22	STS03050			Screw, TH, PD, 10-32 x .50, ST, Plt		No	each	
130	1	SWF18685			Thermostat, Freeze Out, 18" Non- Adj		Ma	each	
160	1	VAL00000			Valve, TX, Block type, 1.5 ton, R-134A		No	each	
170	1	VAA20012			Valve, Assy, 12V, Motorized, Water On/Off		Ma	each	
180	1	EBX00217		0	Bkt, Support, Block TX, Valve		No	each	
190	2	WFS04001			Washer, Flat, 1/4", 18-8, SS		No	each	
200	1	WLS04000			Washer, Lock, 1/4", 18-8, SS		No	each	
210	1	BTS04201			Bolt, Hex, 1/4-28 UNF, 2", 18-8, SS		No	each	
220	1	NTM04001			Nut, Hex, 1/4-28unf, 18-8, SS		No	each	

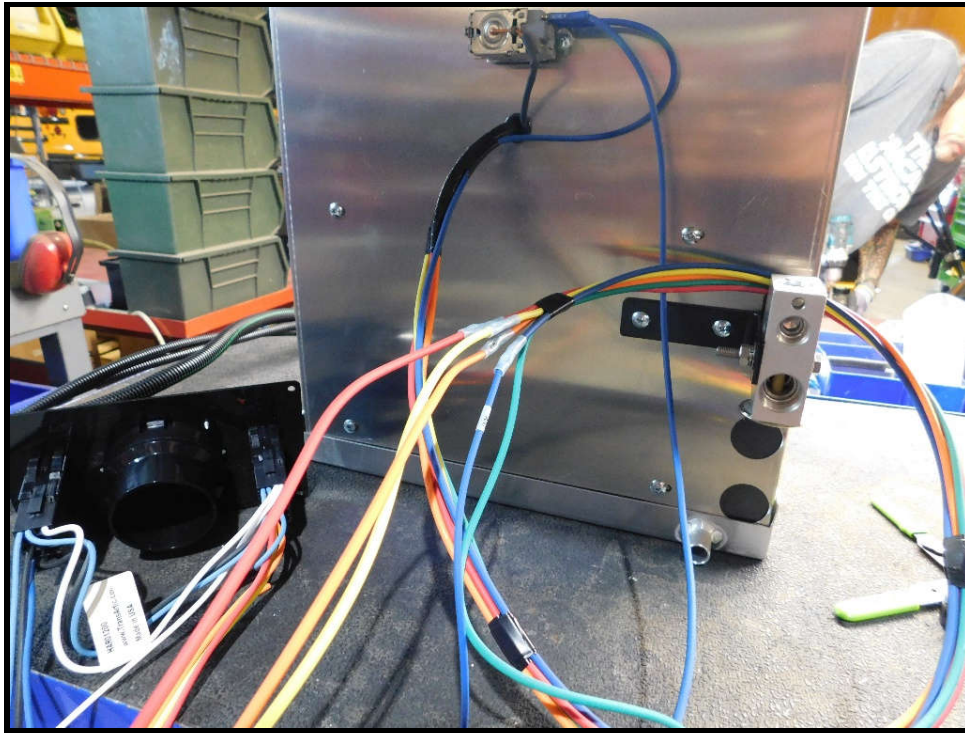
Bill of Materials Listing

TransArctic, Inc. (FV)

9/10/2026
Page 1 of 1

Product Number		Date		Description		Typ	Uof M	Weight	Yield
Line	Qty	Component	Prod#	Rev#	Description	Location	Typ	Unit	
SDA50210			2/15/2023	0	Kit, Switch, Dash Ass'y, H/C, Dash Air		Ma	0.24	0
60	1	SWC00010			Rocker Switch Cover, Dash ON/OFF		No	each	
70	1	SWC00020			Rocker Switch Cover, Dash Heat		No	each	
80	1	SWC00030			Rocker Switch Cover, Dash HML		No	each	
90	1	HAR50201		0	Harness, Control, Ass'y, Dash Air, ICCE.		Ma	each	
100	1	SWB00123			Rocker Switch Base, SPTT, HML		No	each	
110	2	SWB00100			Rocker Switch Base, SPDT, ON/OFF		No	each	

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.

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.



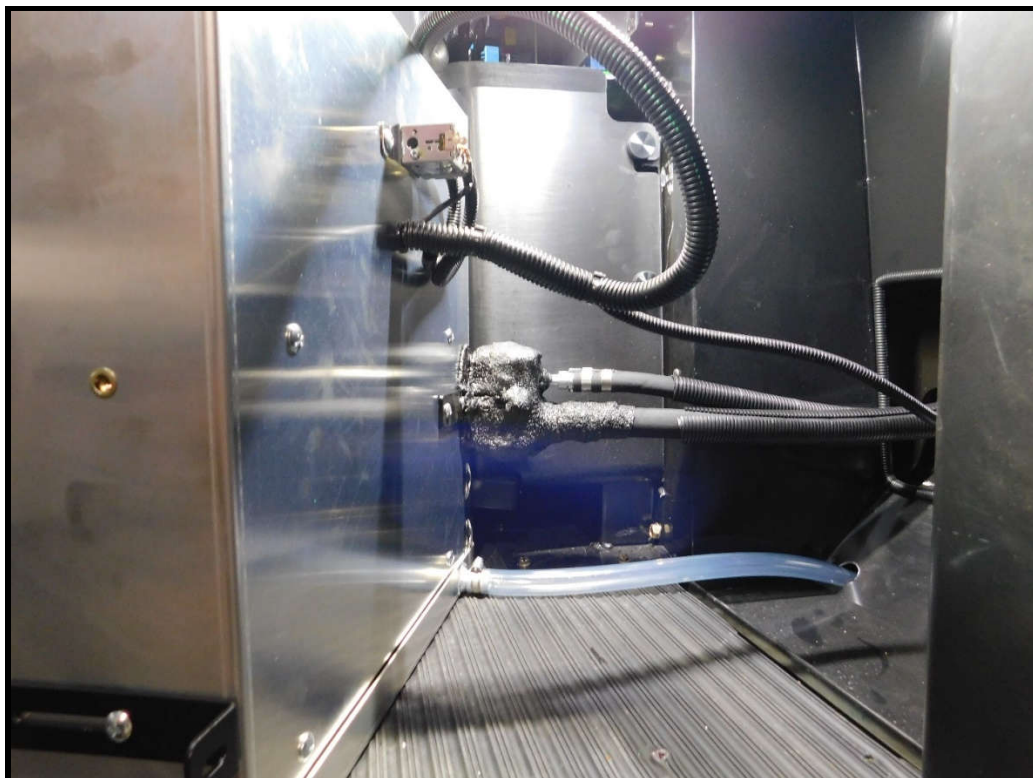
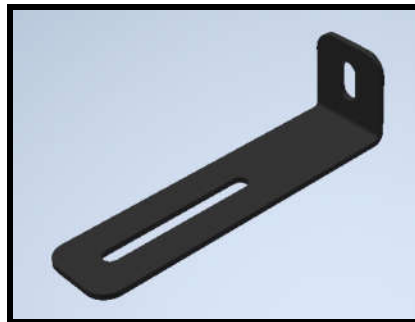
After the grab bar and extinguisher have been removed you will need to drill a 1" Hole in the bottom left corner as shown. It is to accommodate the drain tube on the back of the unit. The 2 larger holes are existing in the Bus fire wall, however you will need to drill and cut out the rectangular hole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

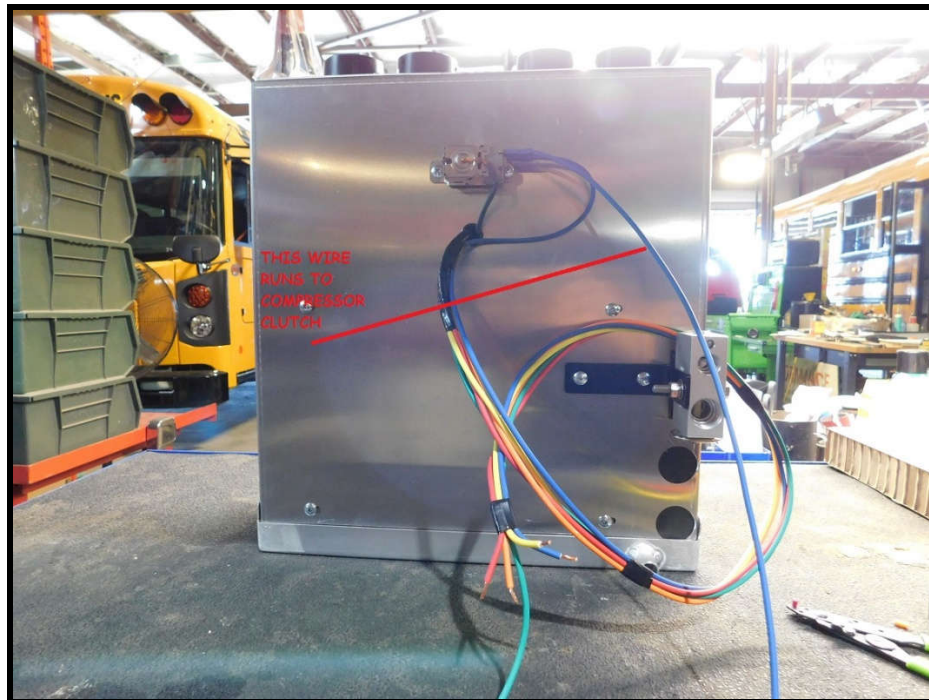


Once the holes are drilled and cut the A/C Hoses and Compressor clutch wire can be run thru the firewall and attached to the Block Valve as shown. Attach the drain tube supplied and run down the hole. Wrap the Low side hose and entire Block Valve with Tar Tape provided as shown. This will ensure that 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.

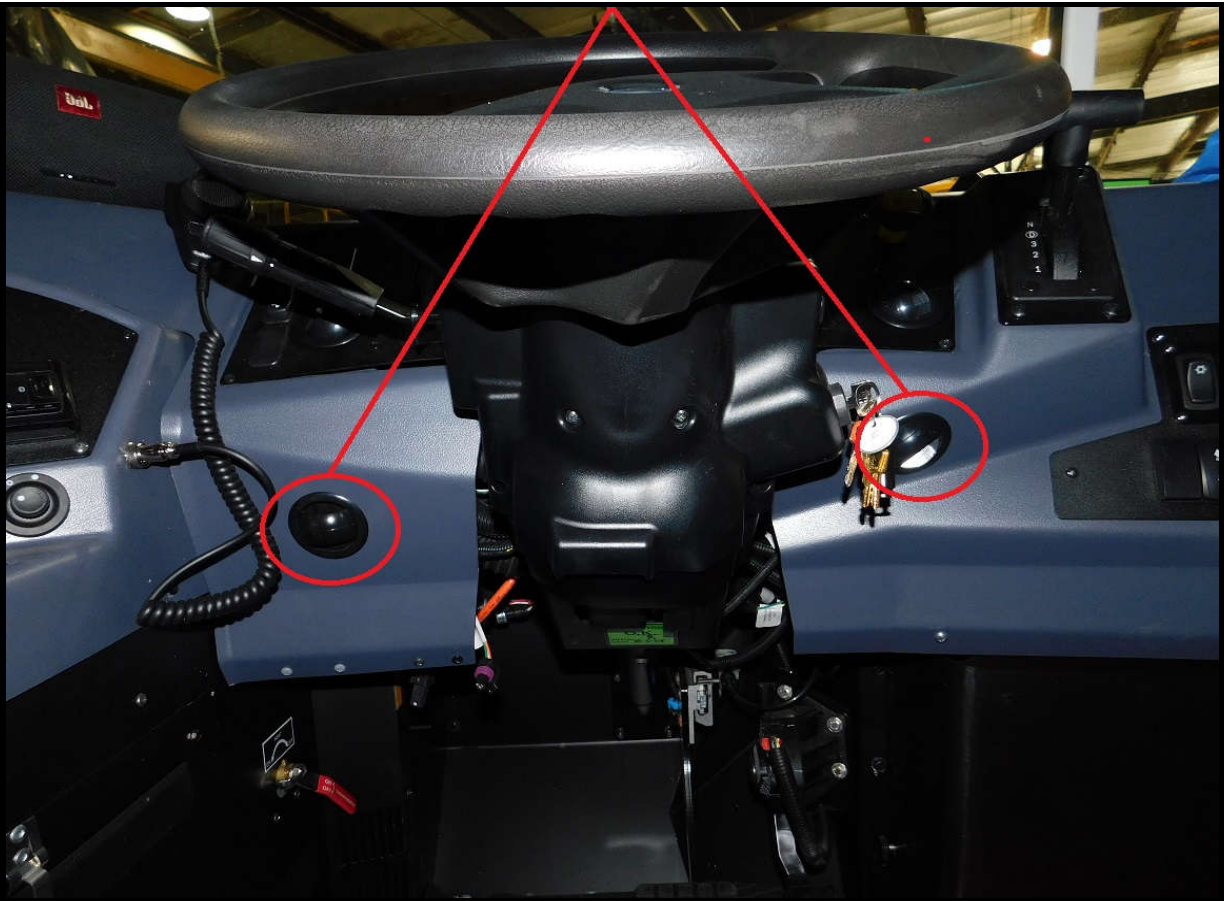




Picture of Dash before drilling and relocating Factory heater Louvers.



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

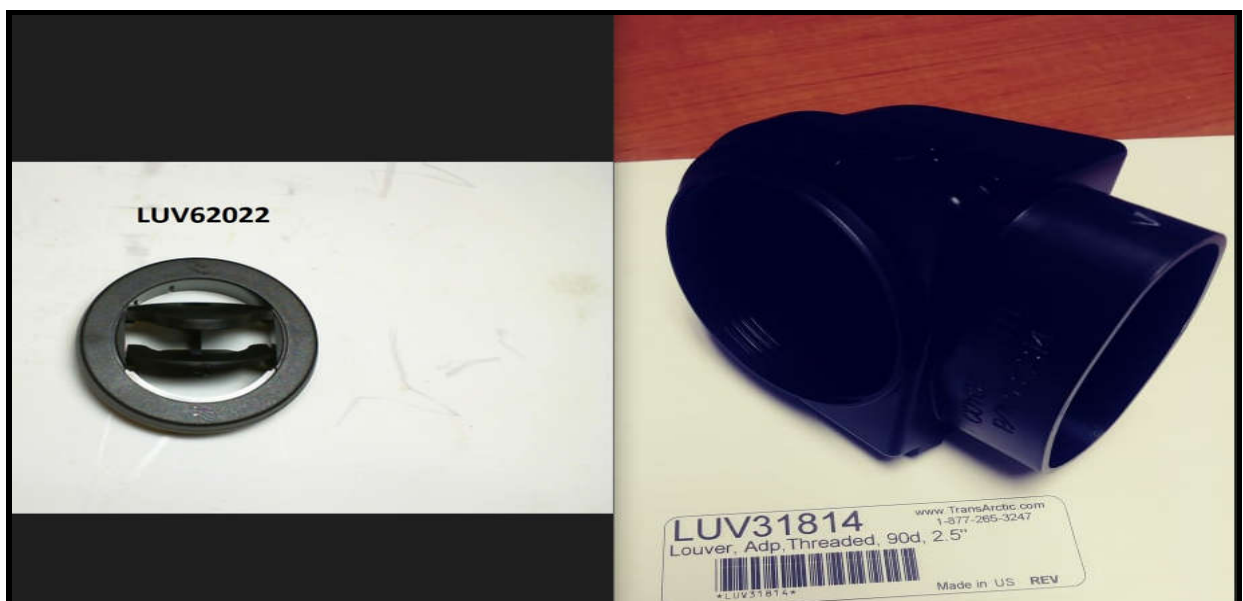


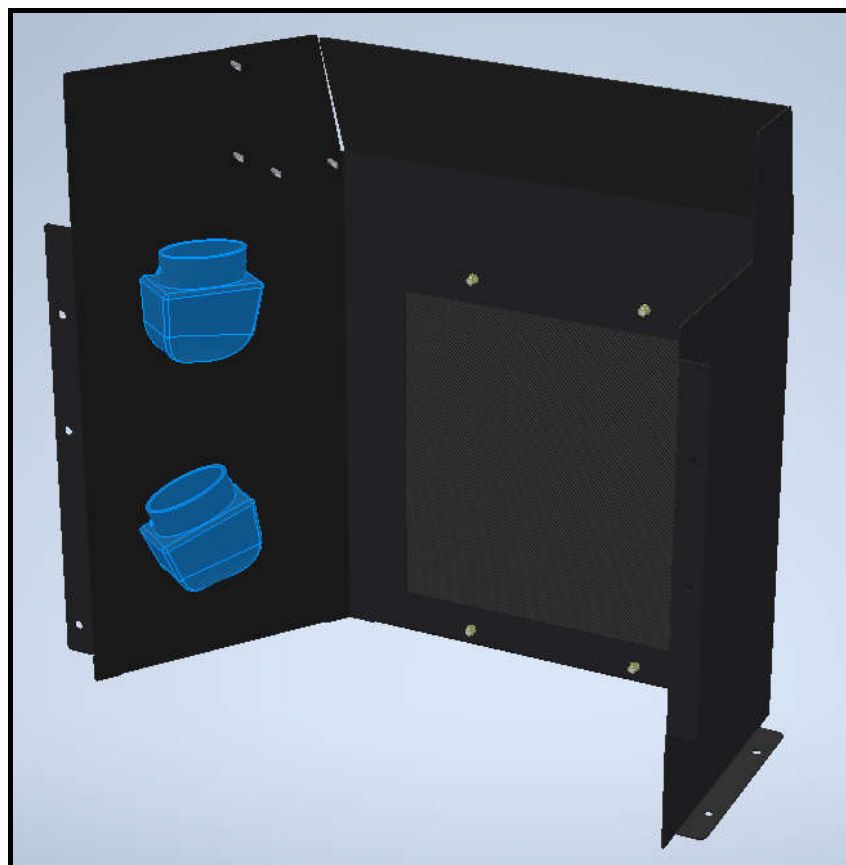


Attach hose to the remaining two hose adapters on the Dash Air Unit as shown.
Use the Y adapter (FTS31816) provided in Kit to splice one of the hoses to the
dash Control Louver and the other end to one of the Adapters on the Air intake
Bracket seen in the top left Picture.



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.

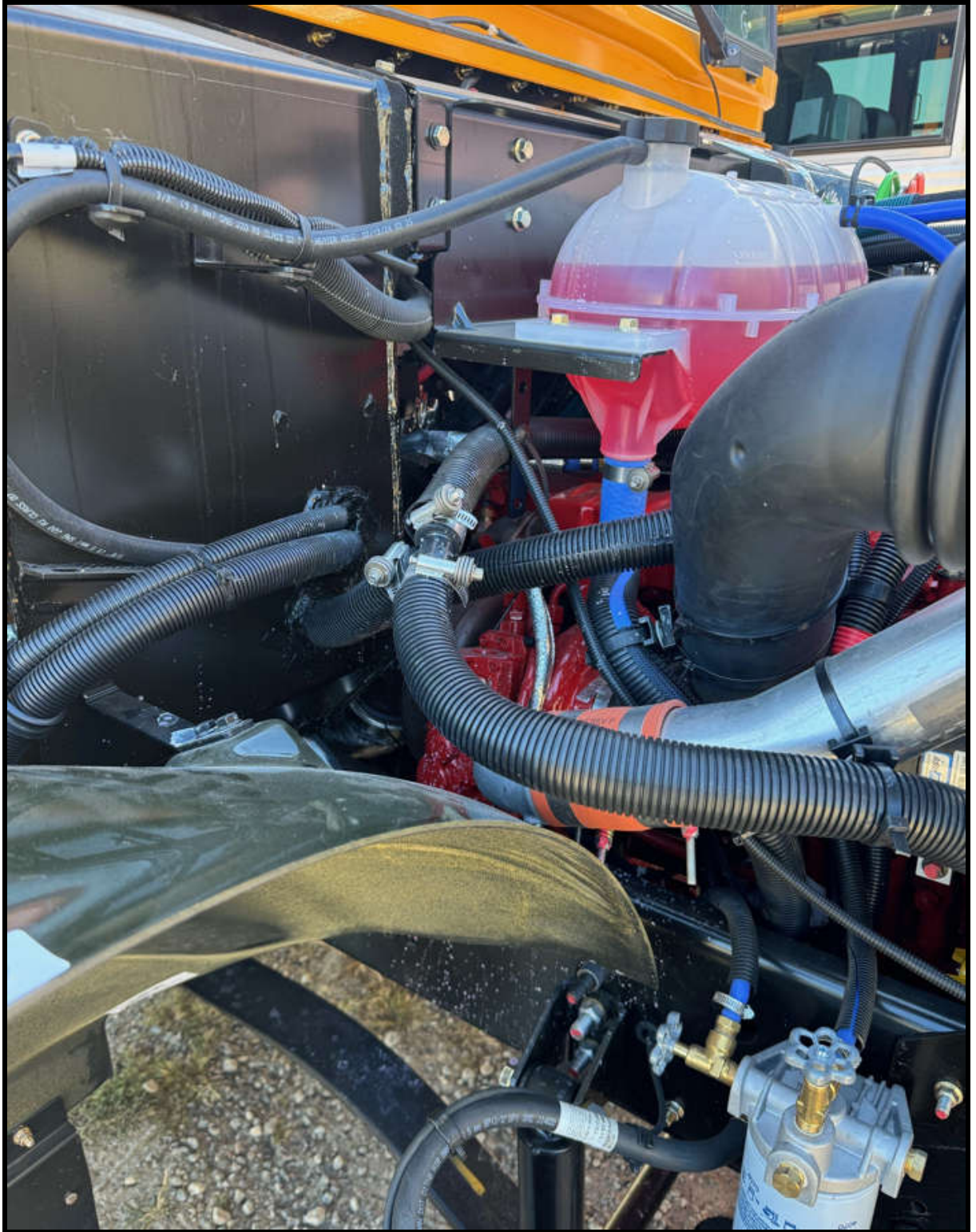


For Heat/Cool units two additional holes are drill as shown for the heater hose hook ups.

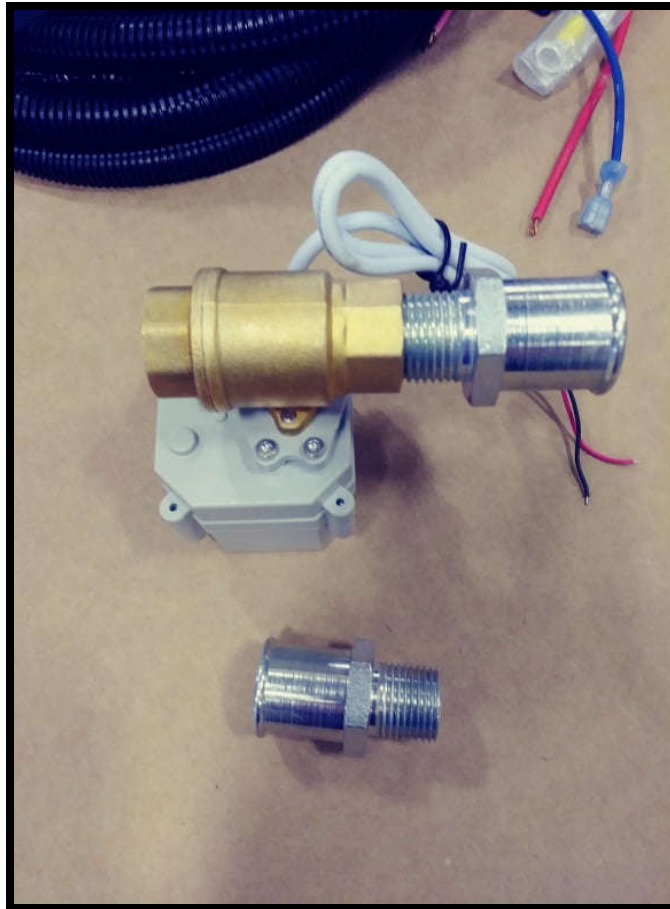


For the KDA00210 Heat/Cool unit the Solenoid control valve and Tee's provide in the kit are tied into the existing heater lines as shown in the pictures and run thru the firewall to the back of the unit just like the A/C lines.





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



FIL00200 – FILTER, AIR INTAKE

