Bill of Materials Listing

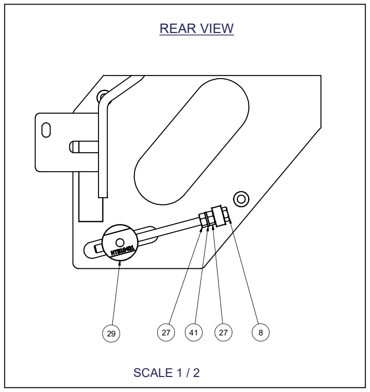
TransArctic Canada Inc.

Product Number / Line	Qty	Component Prod#	Date / Rev#	Description	Bin	Uof M / Unit	Weight	Yield
KMC62733			**6/22/2020** **1**	**Mt. Kit, ISB13, TM43, 10" ,VC, ICCE,'21**			**201.44**	**0**
5	1	PAC23150		Pack, Carton, 23" x 15" x 10", 51 ECT		each		
10	1	BEL82197		Belt, 8gr, 2197mm (86.5")		each		
20	1	BMC67063	2	Bkt, Alt, Bar, ISB, F400, BBCV, '10		each		
30	1	BMC67115	0	Bkt, Shroud, TM43/31, 6.7L,IC.,Conv.'13		each		
40	1	BMC67120	2	Bkt,Rad sprt.TM43/21, 6.7L. IC. Conv.'13		each		
50	1	BMC67171	6	Bkt, Main, Weldm't, IC. Conv., '20		each		
60	1	BMC67200	0	Bkt, Brace, Rear,TM-43, '20		each		
70	1	BMC67210	2	Bkt, Brace, Weldm't, Diag, IC. Conv, '21		each		
80	3	CLP02625		Clamp, Constant Torque, 1 3/4"- 2 5/8"		each		
90	1	CLP03125		Clamp, Constant Torque, 2 1/4"- 3 1/8"		each		
95	1	FSP59222		Spacer, Fan, Pulley, ISB, 22.2mm (.875")		each		
100	1	PUL67012	0	Pulley, Crank, ADD-ON, 10"d, ISB, 6.7,P8		each		
110	1	PUL80076		Pulley, Idler, Backside, P8, 74d (89101)		each		
120	2	PUL81074		Pulley, Idler, Frontside, P8,74d (89103)		each		
135	1	SCD17917	2	Spacer, Step, Drl, 17.9mm x38.1o x17.06i		each		
140	3	SLV17010	1	Sleeve, Pulley, 16.9o x 22.23mm x 10.32i		each		
150	1	TEN80003		Tenr, HD Spring, BackSide, CCW (89200B)		each		
160	1	TUS01894	0	Tube, Stl, Rad,1.75" O.D, C&W,15"Lg, '21		each		
170	1	KBC62731	4	Bag Kit, Fasteners, KMC62731 & KMC62733		each		

Bill of Materials Listing

TransArctic Canada Inc.

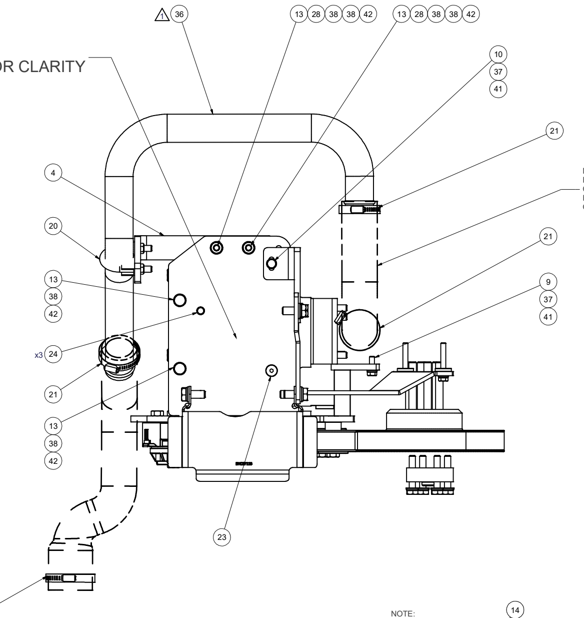
Product Number / Line	Qty	Component Prod#	Date / Rev#	Description / Bin	Uof M / Unit	Weight	Yield
KBC62731			**6/26/2020 4**	**Bag Kit, Fasteners, KMC62731 & KMC62733**		**5.56**	**0**
5	1	BTA08141		Bolt, Hex, 8 x 1.25 x 140mm, 8.8, Plt,FT	each		
10	5	BTC08025		Bolt, Hex, 8 x 1.25 x 25mm, 10.9, Plt	each		
20	1	BTC08035		Bolt, Hex, 8 x 1.25 x 35mm, 10.9, Plt,FT	each		
30	2	BTC08055		Bolt, Hex, 8 x 1.25 x 55mm, 10.9, Plt,FT	each		
40	4	BTC08100		Bolt, Hex, 8 x 1.25 x 100mm, 10.9, Plt	each		
50	4	BTC10035		Bolt, Hex, 10 x 1.5 x 35mm, 10.9, Plt,FT	each		
55	3	BTC10050		Bolt, Hex, 10 x 1.5 x 50mm, 10.9, Plt	each		
57	4	BTC10055		Bolt, Hex, 10 x 1.5 x 55mm, 10.9, Plt,FT	each		
60	4	BTC10070		Bolt, Hex, 10 x 1.5 x 70mm, 10.9, Plt	each		
70	1	BTC10090		Bolt, Hex, 10 x 1.5 x 90mm, 10.9, Plt	each		
90	2	BTC10150		Bolt, Hex, 10 x 1.5 x 150mm, 10.9, Plt	each		
100	6	BTC12030		Bolt, Hex, 12 x 1.75 x 30mm, 10.9, Plt	each		
110	1	BTS06176		Bolt, U, 3/8-16, 1.75" I.D, W, Nut/PLT.	Each		
120	1	CSF08031		Capscrew, FH, 8 x 1.25 x 30mm, 10.9,Plt	each		
140	3	CSF12036		Capscrew, FH, 12 x 1.75 x 35mm, 10.9,Plt	each		
145	6	CSS12090		Capscrew, SH, 12 x 1.25 x 90mm, 12.9,BLK	each		
147	2	NTA08000		Nut, Hex, 8 x 1.25, 8.8, Plt	each		
150	2	NTA10000		Nut, Hex, 10 x 1.5, 8.8, Plt	each		
155	1	NTS10401	1	Nut, Tensioner, 10mm, 40.1mm o/a, Plt	each		
160	12	WFA08000		Washer, Flat, 8mm, 8.8, Plt	each		
170	19	WFA10000		Washer, Flat, 10mm, 8.8, Plt	each		
180	6	WFA12000		Washer, Flat, 12mm, 8.8, Plt	each		
185	6	WFS12002	0	Washer, Flat, Hdn, 12mm, Stl, BLK	each		
190	13	WLA08000		Washer, Lock, 8mm, 8.8, Plt	each		
200	18	WLA10000		Washer, Lock, 10mm, 8.8, Plt	each		
210	6	WLA12000		Washer, Lock, 12mm, 8.8, Plt	each		



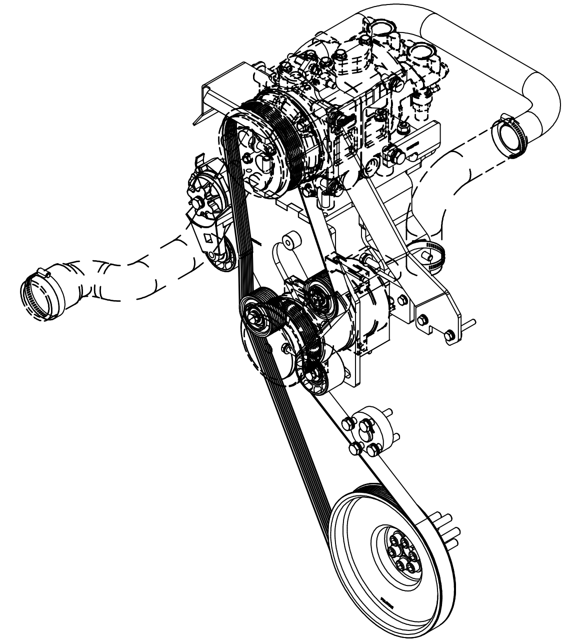
REAR VIEW

SCALE 1 / 2

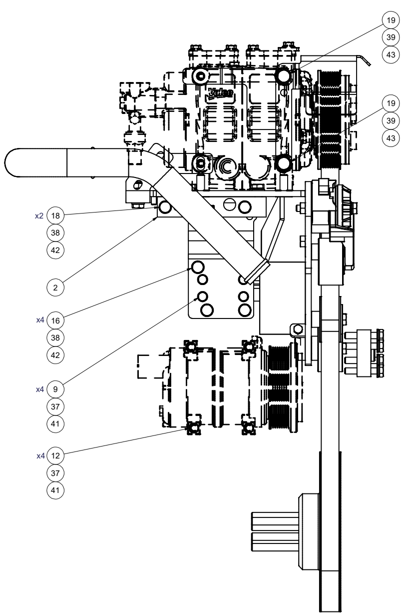
NOTE:
REMOVED COMPRESSOR FOR CLARITY



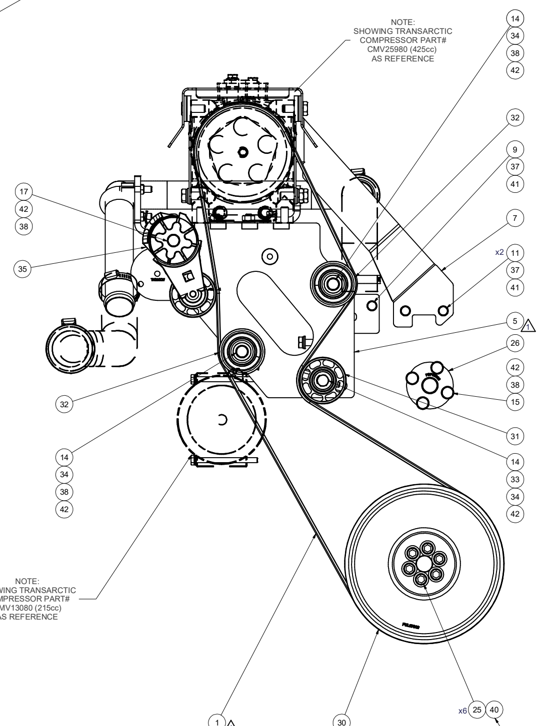
NOTE:
REMOVE EXISTING OEM. RAD HOSE AND
CUT TO LENGHT TO SUIT BOTH ENDS OF TUBE (TUS01892).
HOSE MUST BE RE - INSTALLED NO LESS THAN 2"
ONTO TUBE. (BOTH ENDS).



ISOMETRIC VIEW

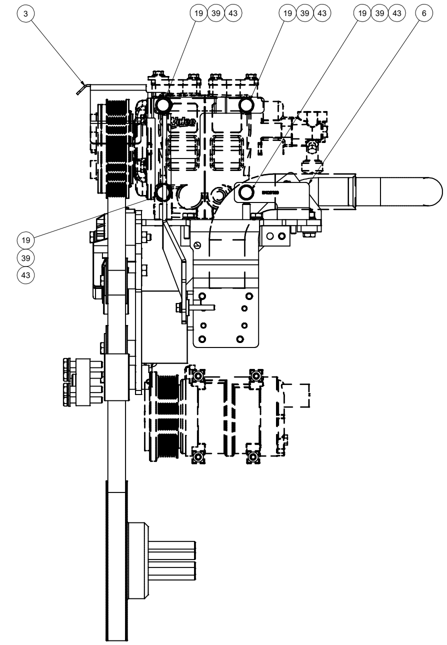


NOTE:
SHOWING TRANSARCTIC
COMPRESSOR PART#
CMV25980 (425cc)
AS REFERENCE



NOTE:
SHOWING TRANSARCTIC
COMPRESSOR PART#
CMV13080 (215cc)
AS REFERENCE

NOTE:
LOCK WASHERS ARE NOT REQUIRED.
TORQUE BOLTS TO S.A.E. SPECIFICATIONS.



NOTES:
1) USE SERVICABLE THREADLOCKER ON ALL FASTENERS TO ENGINE COMPONENTS AND TORQUE **ALL** BOLTS TO S.A.E. SPECIFICATIONS.
2) SEE "TRANSARCTIC A/C COMPRESSOR MOUNT INSTALLATION DISCLAIMER".
3) REMOVE ALTERNATOR, MOUNT CASTING AND LIFTING LUG & REPLACE THE LIFT LUG WITH ITEM # BMC67171 AND RE - INSTALL ALTERNATOR AND MOUNT CASTING.
REFER TO INSTALLATION PROCEDURE.

ITEM	QTY	U/M	PART NUMBER	DESCRIPTION
43	6	EACH	WLA12000	WASHER, LOCK, 12mm, 8.8, PLT
42	18	EACH	WLA10000	WASHER, LOCK, 10mm, 8.8, PLT
41	13	EACH	WLA08000	WASHER, LOCK, 8mm, 8.8, PLT
40	6	EACH	WFS12002	WASHER, FLAT, HDN, 12mm, STL, BLK
39	6	EACH	WFA12000	WASHER, FLAT, 12mm, 8.8, PLT
38	19	EACH	WFA10000	WASHER, FLAT, 10mm, 8.8, PLT
37	12	EACH	WFA08000	WASHER, FLAT, 8mm, 8.8, PLT
36 (rev. 1)	1	EACH	TUS01894	TUBE, STL, RAD, 1.75" O.D., C&W, 15" LONG, '21
35	1	EACH	TEN80003	TENR, HD SPRING, BACKSIDE, CCW
34	3	EACH	SLV17010	SLEEVE, PULLEY, 16.9o x 22.23mm x 10.32i
33	1	EACH	SCD17917	SPACER, STEP, DRL, 17.9mm x 28.6o x 17i
32	2	EACH	PUL81074	PULLEY, IDLER, FRONTSIDE, P8, 74d x 39w
31	1	EACH	PUL80076	PULLEY, IDLER, BACKSIDE, P8, 76D, 39W
30	1	EACH	PUL67012	PULLEY, CRANK, ADD-ON, CUM, ISB, 10", P8
29	1	EACH	NTS10401	NUT, TENSIONER, 10 mm,40.13 mm o/a, PLT
28	2	EACH	NTA10000	NUT, HEX, 10 x 1.5, 8.8, PLT
27	2	EACH	NTA08000	NUT, HEX, 8 x 1.25, 8.8 PLT
26	1	EACH	FSP59222	SPACER, FAN, PULLEY, ISB, 22.2mm (.875")
25	6	EACH	CSS12090	CAPSCREW, SH, 12 x 1.25 x 90mm, 12.9, PLT
24	3	EACH	CSF12036	CAPSCREW, FH, 12 x 1.75 x 35mm, 10.9, PLT
23	1	EACH	CSF08031	CAPSCREW, FH, 8 x 1.25 x 30mm, 10.9, PLT
22	1	EACH	CLP03125	CLAMP, CONSTANT TORQUE, 2 1/4"- 3 1/8"
21	3	EACH	CLP02625	CLAMP, CONSTANT TORQUE, 1 3/4"- 2 5/8"
20	1	EACH	BTS06176	Bolt, U, 3/8-16, 1.75", I.D. W, Nut/PLT.
19	6	EACH	BTC12030	BOLT, HEX, 12 x 1.75 x 30mm, 10.9, PLT
18	2	EACH	BTC10150	BOLT, HEX, 10 x 1.5 x 150mm, 10.9, PLT
17	1	EACH	BTC10090	BOLT, HEX, 10 x 1.5 x 90mm, 10.9, PLT
16	4	EACH	BTC10070	BOLT, HEX, 10 x 1.5 x 70mm, 10.9, PLT
15	4	EACH	BTC10055	BOLT, HEX, 10 x 1.5 x 55mm, 10.9, PLT
14	3	EACH	BTC10050	BOLT, HEX, 10 x 1.5 x 50mm, 10.9, PLT
13	4	EACH	BTC10035	BOLT, HEX, 10 x 1.5 x 35mm, 10.9, PLT
12	4	EACH	BTC08100	BOLT, HEX, 8 x 1.25 x 100mm, 10.9, PLT
11	2	EACH	BTC08055	BOLT, HEX, 8 x 1.25 x 55mm, 10.9, PLT
10	1	EACH	BTC08035	BOLT, HEX, 8 x 1.25 x 35mm, 10.9, PLT
9	5	EACH	BTC08025	BOLT, HEX, 8 x 1.25 x 25mm, 10.9, PLT
8	1	EACH	BTA08141	BOLT, HEX, 8 x 1.25 x 140mm, 8.8, PLT, FT
7	1	EACH	BMC67210	BKT, BRACE, WELDM'T, DIAG., IC, '21
6	1	EACH	BMC67200	BKT, BRACE, REAR, TM-43, '20
5 (rev. 1)	1	EACH	BMC67171	BKT, MAIN, WELDM'T, IC, CONV, '20
4	1	EACH	BMC67120	BKT, RAD SPRT. TM43/21, 6.7L, IC. CONV.'13
3	1	EACH	BMC67115	BKT, SHROUD, TM43/31, 6.7L, IC. CONV.'13
2	1	EACH	BMC67063	BKT, ALT, BAR, ISB, F400, BBCV, '10
1 (rev. 1)	1	EACH	BEL82197	BELT, 8Gr, 2197mm (86.5")

BILL OF MATERIALS

REV:	ECN:	DESCRIPTION:	DATE:	BY:
1	·	WAS TUS01892, REVISED BMC67171.	12/15/2021	JRR
0	·	RELEASED TO PRODUCTION.	10/6/2021	JRR

UNSPECIFIED TOLERANCES: [ALT. DIM.]

	MM	[INCH]
ONE DECIMAL PLACE (.X)	.50	[.020]
TWO DECIMAL PLACE (.XX)	.25	[.010]
THREE DECIMAL PLACE (.XXX)	.10	[.005]

FRACTIONAL +/- 1/32" ANGULAR +/- .50°

THIRD ANGLE PROJECTION

DRAWING UNIT OF MEASURE: MM [INCH]

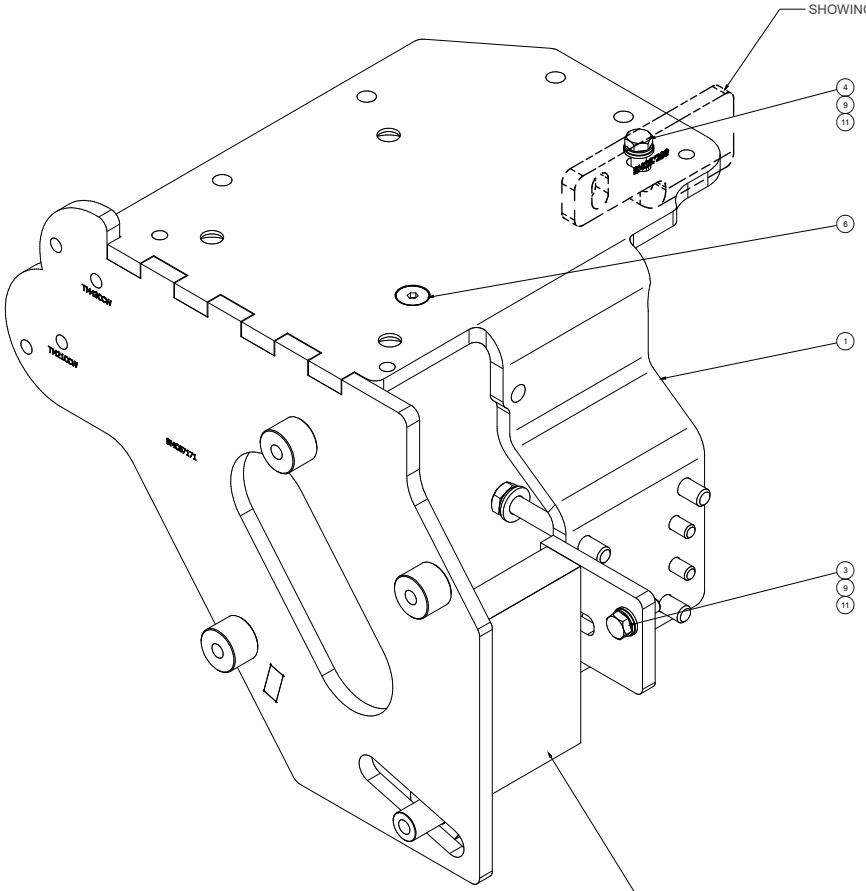
DRAWN	Jose Rodriguez	10/6/2021
CHECKED	Val Jakowlew	10/6/2021
QA	Val Jakowlew	10/6/2021
MFG	Val Jakowlew	10/6/2021
APPROVED	Dale Mason	10/6/2021

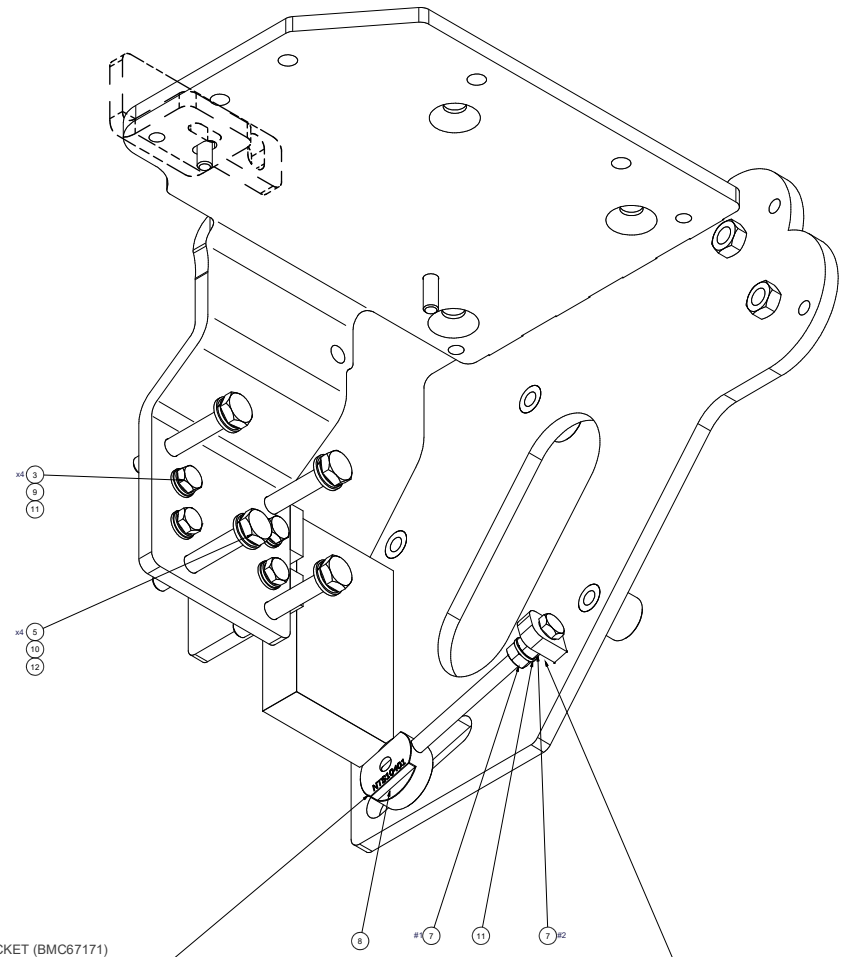
TRANSARCTIC INC.

TITLE: MT. KIT, ISB13, TM43, 10", VC, ICCE, '21

SIZE: E | DWG NO: KMC62733 | REV: 1

SCALE: 1 : 3 | SHEET 1 OF 2





COMPRESSOR MOUNT BRACKET (BMC67171)
INSTALLATION PROCEDURE.

"NOTE: ALTERNATOR MOUNT CASTING AND LIFTING LUG NOT SHOW"

1) REMOVE ALTERNATOR CASTING AND LIFTING LUG.
2) INSTALL MOUNT BRACKET (BMC67110) WITH THE 8mm x 25mm BOLTS AND HARDWARE AS SHOWN. ITEMS (# 2, 10, 12). LEAVE HAND TIGHT FOR NOW.
3) INSTALL 8mm x 30mm BOLT AND HARDWARE INTO THE FRONT OF MOUNT AS SHOWN. ITEMS (# 3, 10, 12). ALSO LEAVING HAND TIGHT FOR NOW.
4) PLACE EXISTING ALTERNATOR MOUNT CASTING INTO POSITION USING THE 10mm x 70mm BOLTS AND HARDWARE. ITEMS (# 4, 11, 13).
5) HAND TIGHTEN THE 8mm COUNTERSUNK BOLT AND REAR 8MM BOLT IN THE TOP OF THE MOUNT FOR NOW. ITEMS (#6 & #3,10,12)
6) ONCE EVERYTHING IS ALIGNED, TIGHTEN THE 8mm X 30mm BOLT LOCATED IN THE FRONT OF THE MOUNT. THIS WILL SECURE THE MOUNT INTO THE CORRECT POSITION.
7) ONCE THE MOUNT HAS BEEN SECURED WITH THE FRONT BOLT. REMOVE THE ALTERNATOR CASTING AND TIGHEN THE 4 - 8mm x 25mm BOLTS.
8) TORQUE ALL 8mm BOLTS TO S.A.E. SPECIFICATIONS.
9) NOW THAT THE MOUNT IS SECURED INTO POSITION YOU CAN RE - INSTALL THE ALTERNATOR CASTING AND TIGHTEN AND TORQUE ALL REMAINING BOLTS.
10) NOW YOU CAN PROCEED TO INSTALL ALL REMAINING COMPONENTS.

***PRIOR TO INSTALLING THE MAIN BRACKET (BMC67171)
ONTO ENGINE, JACKSCREW NUT (NTS10401) AND LEADSCREW BTA08141
NEEDS TO BE INSTALLED ON MAIN BRACKET FIRST***

NOTE: DO NOT OVERTIGHTEN NUT #2 TO MAIN BRACKET TAB.
ONLY SNUG FIT REQUIRED, FOR BOLT TO SPIN FREELY WHEN ADUSTING PULLEY.

NOTES:
1) USE SERVICABLE THREADLOCKER ON ALL FASTENERS TO ENGINE COMPONENTS AND TORQUE **ALL** BOLTS TO S.A.E. SPECIFICATIONS.
2) SEE TRANSARCTIC A/C COMPRESSOR MOUNT INSTALLATION DISCLAIMER'.
3) REMOVE ALTERNATOR, MOUNT CASTING AND LIFTING LUG & REPLACE THE LIFT LUG WITH ITEM # BMC67171 AND RE - INSTALL ALTERNATOR AND MOUNT CASTING. REFER TO INSTALLATION PROCEDURE.

ITEM	QTY	U/M	PART NUMBER	DESCRIPTION
12	4	EACH	WLA10000	WASHER, LOCK, 10mm, 8.8, PLT
11	7	EACH	WLA08000	WASHER, LOCK, 8mm, 8.8, PLT
10	4	EACH	WFA10000	WASHER, FLAT, 10mm, 8.8, PLT
9	6	EACH	WFA08000	WASHER, FLAT, 8mm, 8.8, PLT
8	1	EACH	NTS10401	NUT, TENSIONER, 10 mm,40.13 mm o/a, PLT
7	2	EACH	NTA08000	NUT, HEX, 8 x 1.25, 8.8 PLT
6	1	EACH	CSF08031	CAPSCREW, FH, 8 x 1.25 x 30mm, 10.9, PLT
5	4	EACH	BTC10070	BOLT, HEX, 10 x 1.5 x 70mm, 10.9, PLT
4	1	EACH	BTC08035	BOLT, HEX, 8 x 1.25 x 35mm, 10.9, PLT
3	5	EACH	BTC08025	BOLT, HEX, 8 x 1.25 x 25mm, 10.9, PLT
2	1	EACH	BTA08141	BOLT, HEX, 8 x 1.25 x 140mm, 8.8, PLT, FT
1	1	EACH	BMC67171	BKT, MAIN, WELDMT, IC, CONV, '20

BILL OF MATERIALS

REV	ECN	DESCRIPTION:	DATE:	BY:
1		WAS Y0501862. REVISED BMC67171	12/15/2021	JRR
0		RELEASED TO PRODUCTION	10/6/2021	JRR

DRAWN	Jose Rodriguez	10/6/2021
CHECKED	Val Jakowlew	10/6/2021
QA	James Stewart	10/6/2021
MFG	Val Jakowlew	10/6/2021
APPROVED	Dale Mason	10/6/2021

UNSPECIFIED TOLERANCES: [SAE, DIM.] [METRIC DIM.]
ONE DECIMAL PLACE ±.1 [2.5]
TWO DECIMAL PLACE ±.03 [.8]
THREE DECIMAL PLACE ±.005 [.13]
FRACTIONAL +/- 1/32" ANGULAR +/- 30'

THIRD ANGLE PROJECTION

DRAWING UNIT OF MEASURE: MM [INCH]

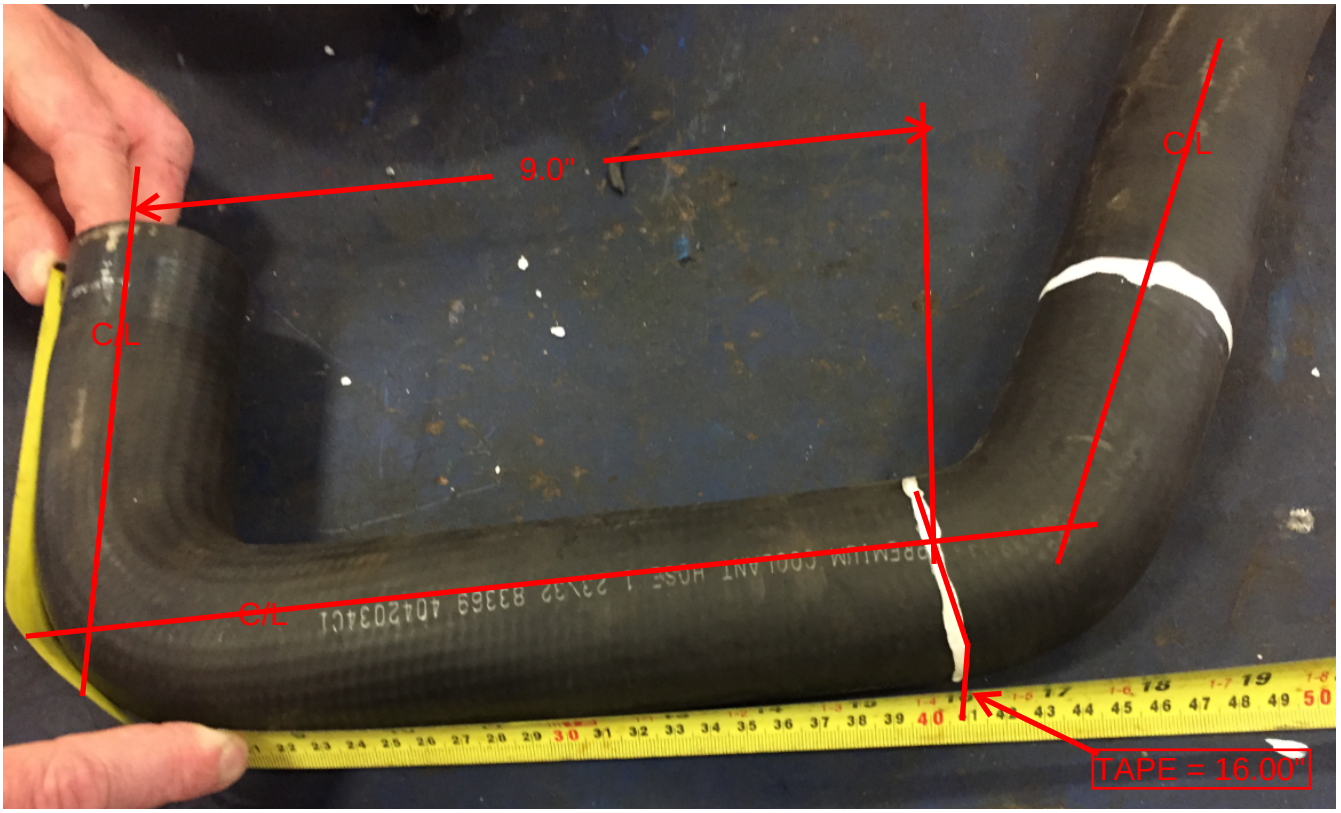
TRANSARCTIC INC.

TITLE: MT. KIT, ISB13, TM43, 10", VC, ICCE, '21

SIZE: E | DWG NO: KMC62733 | REV: 1

SCALE: 1 : 1 | SHEET 2 OF 2


IC # 4042034C1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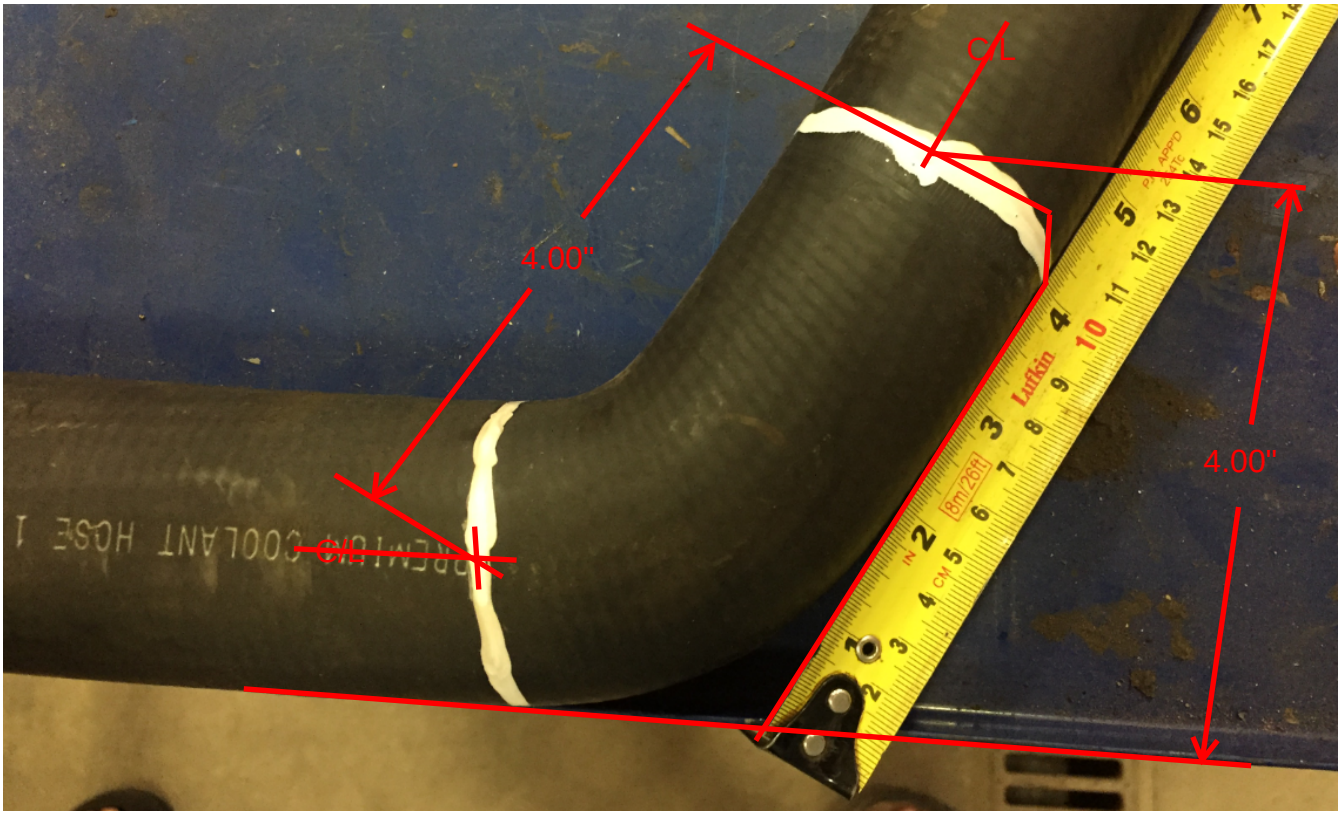
C/L
C/L
C/L
TAPE = 16.00"


C/L
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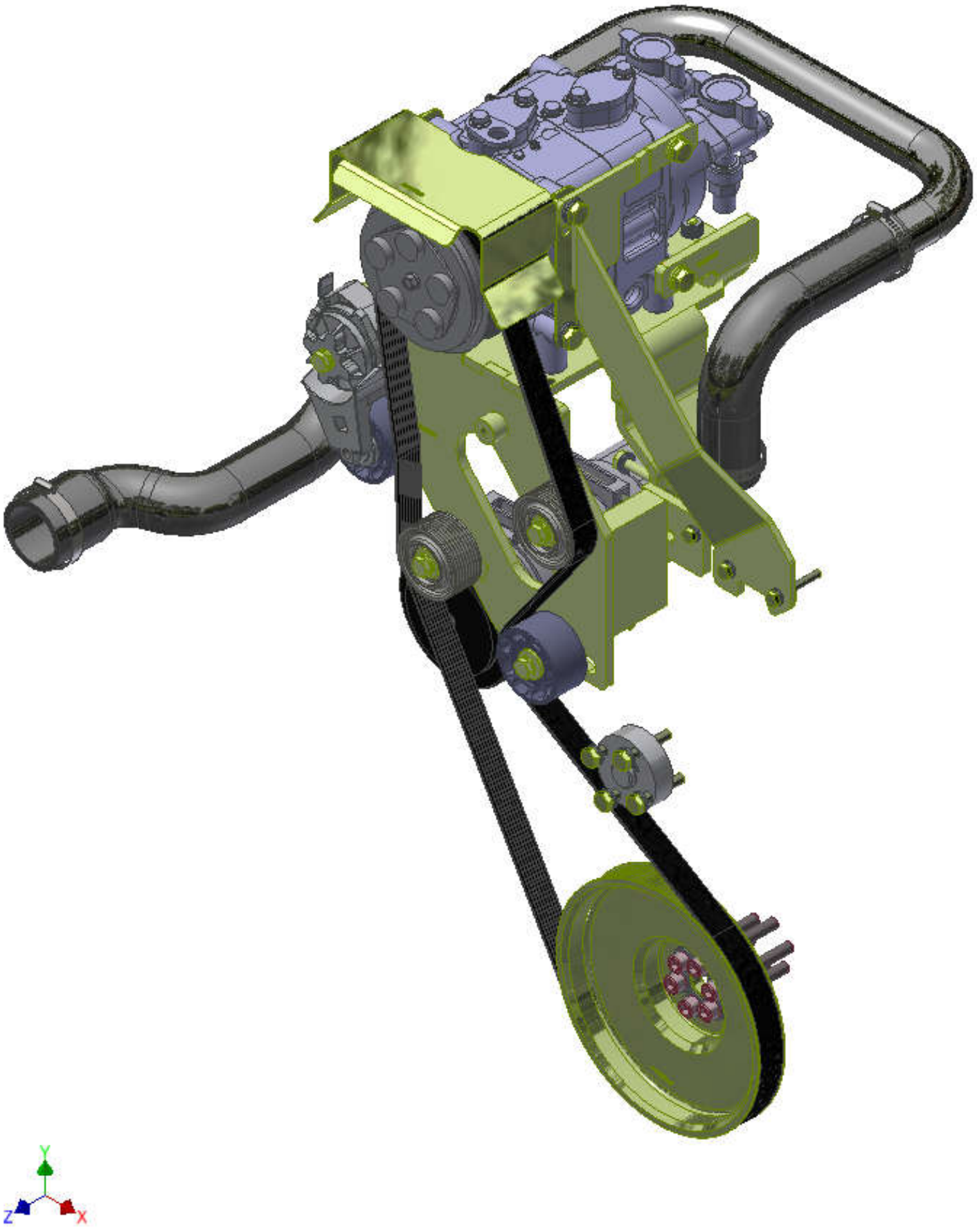
4.00"
Lufkin
8m/26ft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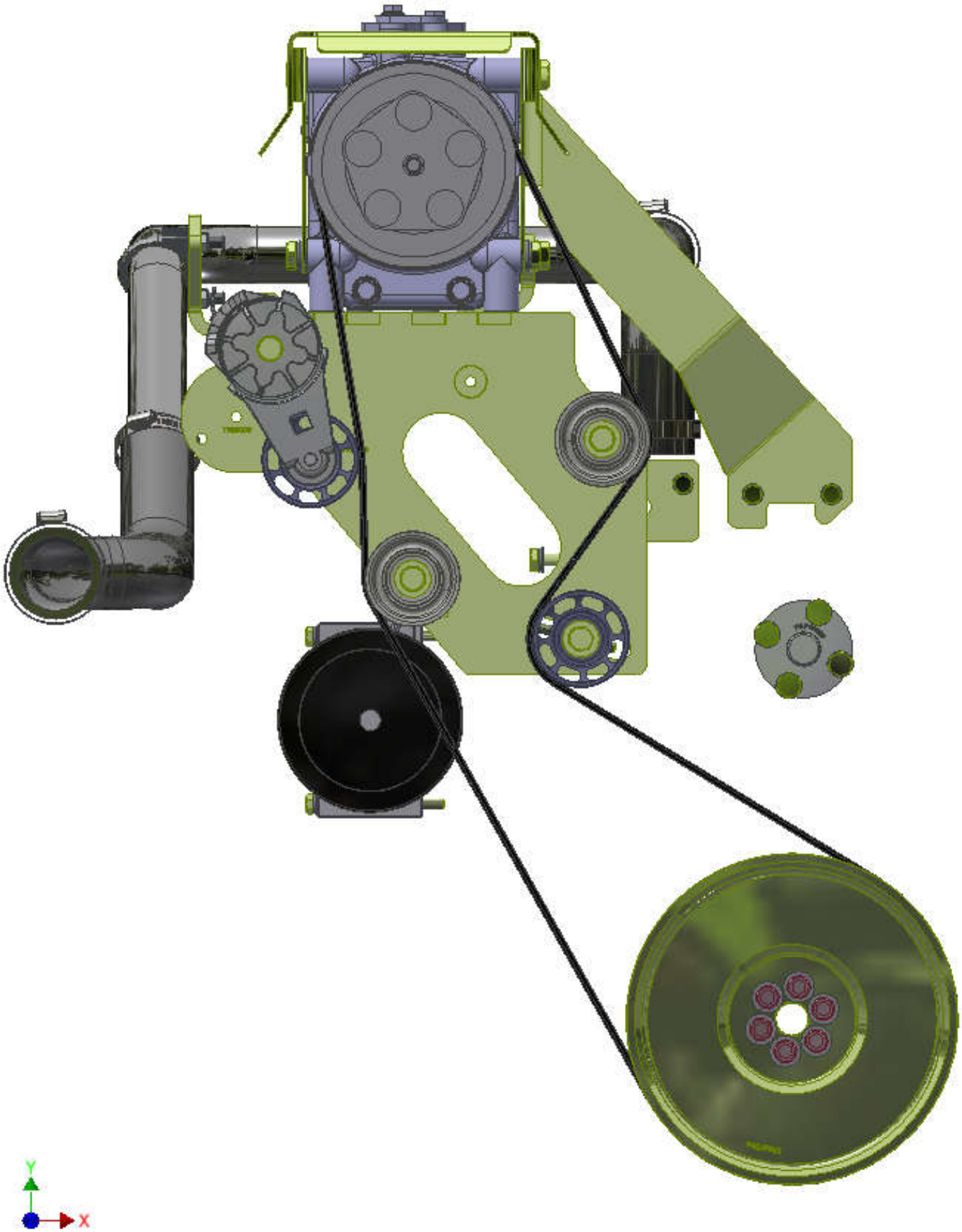
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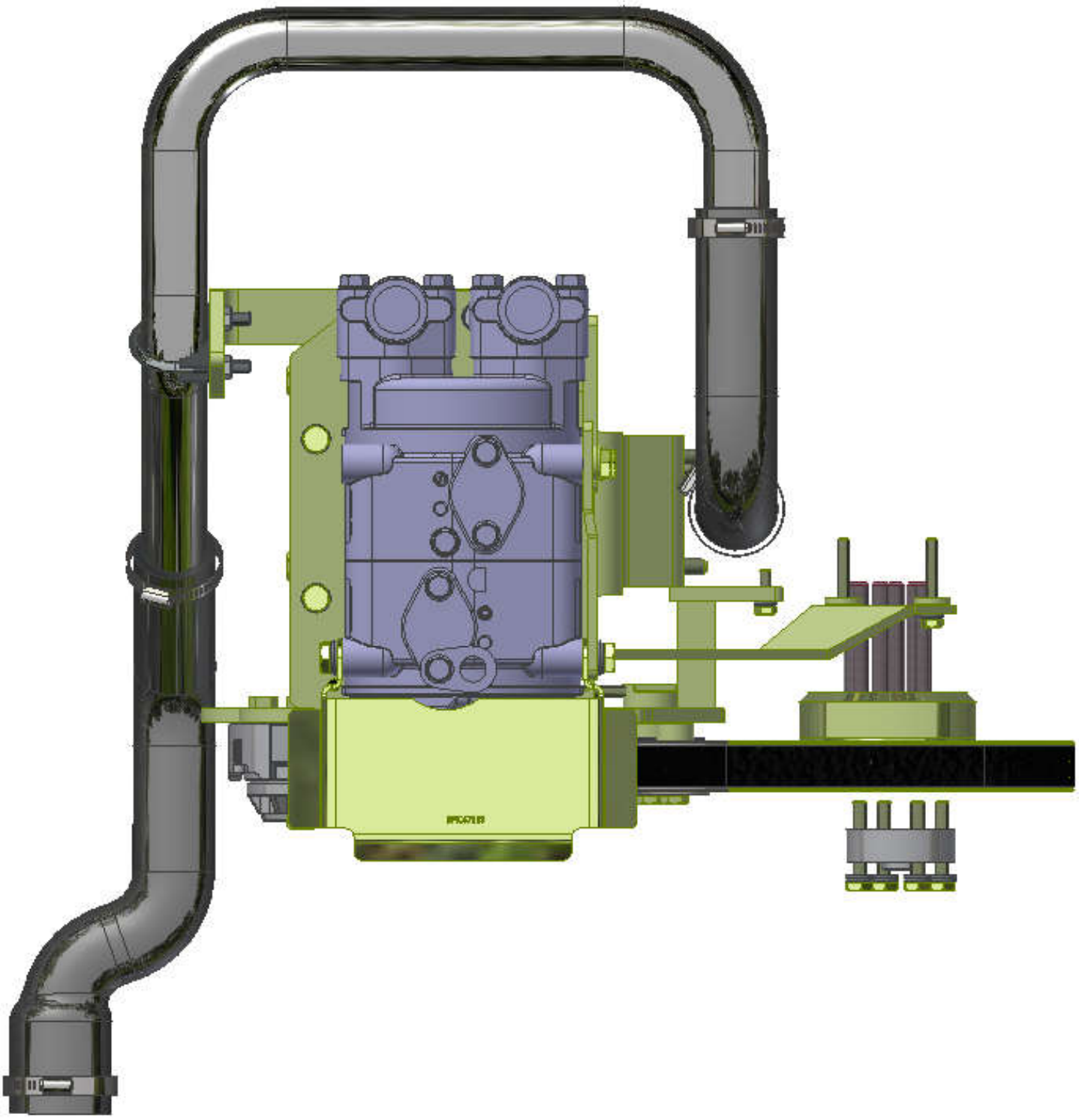
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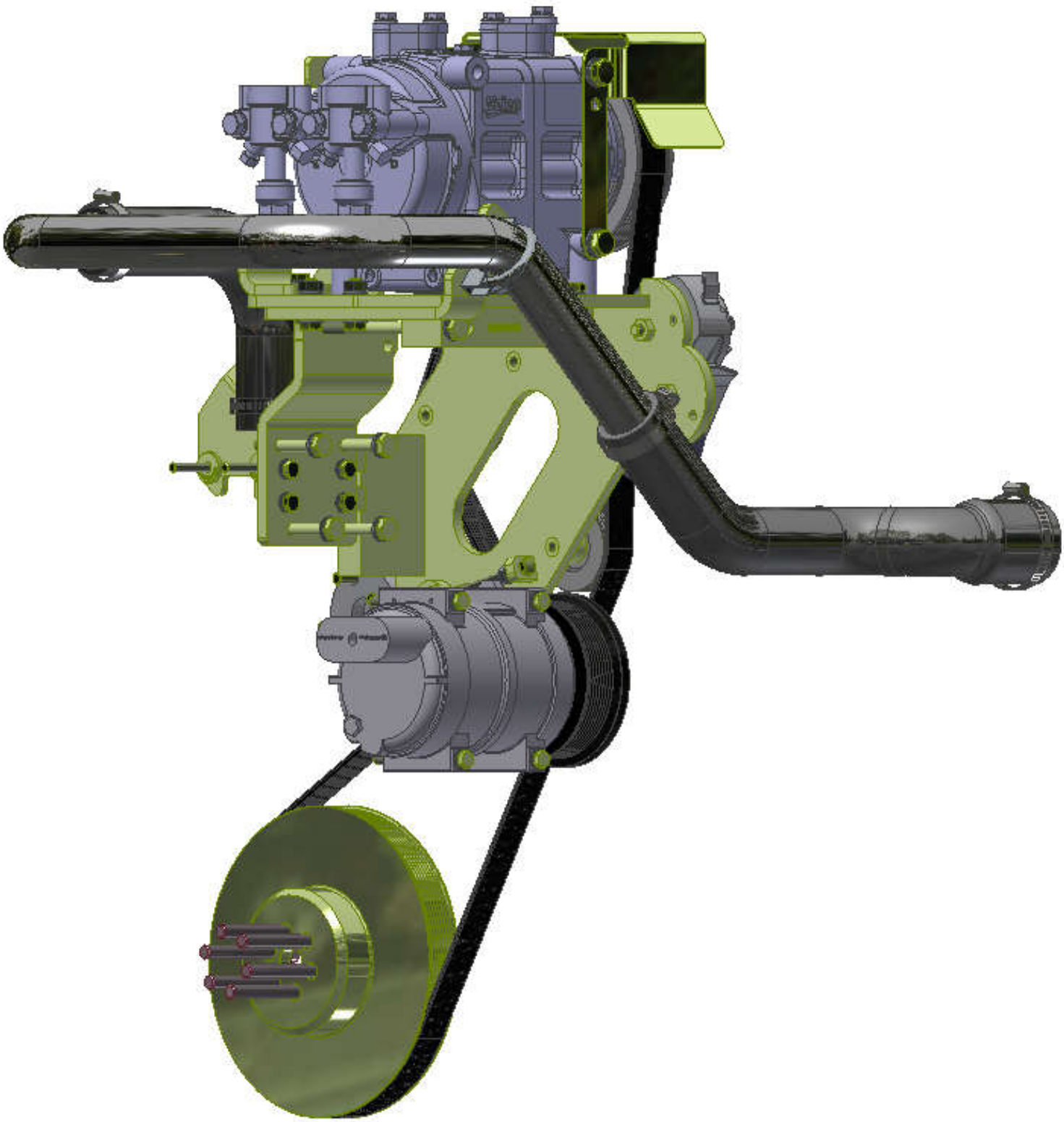
Y
Z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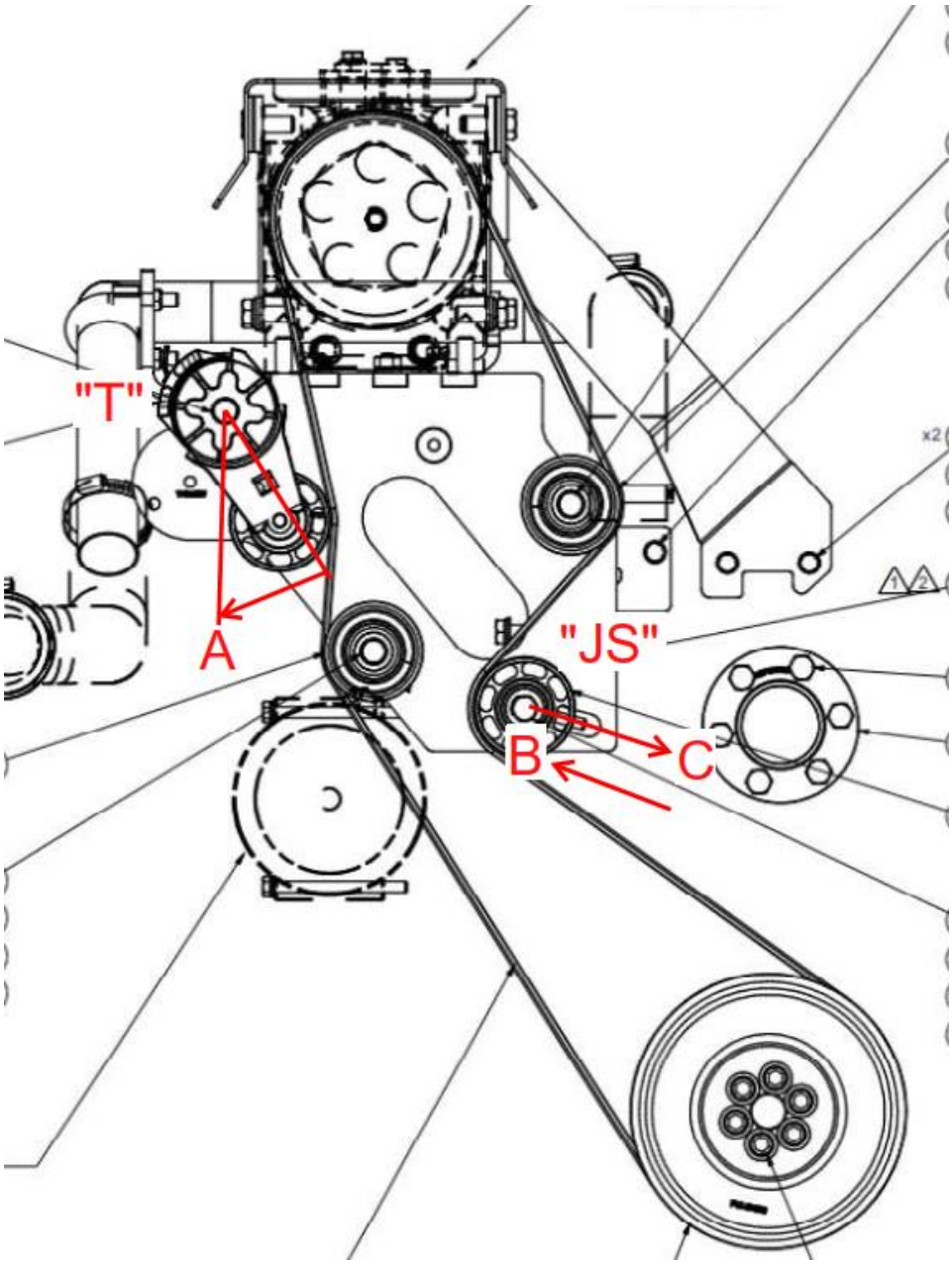

Proper “New” Belt Tensioning Procedure:

1) Insure engine is “locked out” from starting.
2) Adjust tensioner “T”, clockwise rotation, till the swing arm-pulley is in “start” (zero stroke.) “A” position and **hold** in this position.
3) Loosen “JS” pulley bolt, (Via the “Jackscrew” adjusting head bolt – (SEE DRAWING) Adjust “JS” in the direction of “C” Approx. 1” or more till belt is slack enough to be removed.

4) Install new "proper" replacement belt into position insuring that all the belt's grooves align with "all" the pulleys grooves in the loop and is seated properly.
5) Adjust pulley “JS” in direction of “B”, until the new belt is “tight” (Snug by hand.) and tighten the “JS” pulley assembly’s fastener correctly.
6) Double check belt alignment with all the pulleys.
7) Release the “T” tensioner from its “start” position so it comes into direct contact with the backside of the new belt.
8) Make sure that the tensioner position is clocked from 50% to 60% (linear dimension is approximately 1” (25.5mm) to 1.06” (27mm)) through its stroke travel. The “full stroke” linear dimension is approximately 2.13” (54 mm) from the fixed “start” (stop face.) on the base to the corresponding face on the “swing arm” at 100% through its stroke.
9) Run the A/C system (Under full load.) for approximately 1-2 hours and recheck the stroke running position of tensioner “T”. If not to spec than retention the “JS” pulley assembly like before (Item# 6). (NOTE: insure that tensioner “T” is at its starting stroke position (0%) before adjusting pulley assembly “JS”.)

TransArctic A/C Compressor Mount Installation Disclaimer

All compressor mounts should be installed by qualified and trained personnel using proper tools and equipment in safe working conditions following industry standard guidelines for motor vehicle service and repair.

The installer of any compressor mount purchased from TransArctic must undertake all responsibility of issues arising from that compressor bracket being installed on any vehicle. As well as insure that a **proper and sufficient ground** is established between the compressors' clutches and the vehicle's engine. Mount functionality, operation and durability can all be compromised by an incompetent installation.

Due to the many different situations, parameters and application criteria, which are beyond the compressor mount manufacturer's control, TransArctic does not warrant design, durability, or operational functionality of any compressor mount improperly installed by another party.

With no implied guarantees it is the mount installer's strict responsibility to determine safety and functionality, of the compressor mount, at the time of installation.

Please contact TransArctic with any issue arising from installation so we may better improve the product. If you have any reservations about the compressor mount integrity contact TransArctic immediately at 1-877-COLD-AIR.

Mark OEM tensioner location
Install Kit
Check for Interferences
Check to ensure that the proper OEM tensioner orientation is maintained
Run engine with A/C system engaged for at least 10 minutes to run in belt
Check OEM tensioner orientation and adjust as required

Responsabilidad limitada de TransArctic en la instalación del sorporte del compresor

Todos los soportes de los compresores deben ser instalados por personas calificadas y entrenadas, usando para ello los equipos y herramientas necesarios para esta labor en buenas condiciones y segun las normas y guías para el servicio y/o reparación de motores de vehiculos.

El instalador de los soportes comprados en TransArctic asume toda la responsabilidad de cualquier problema que surga en el soporte del compressor al vehiculo; de igual manera es responsable que el cable a tierra sea conectado entre el embrague del compressor y el motor del vehiculo.

Se advierte que el buen funcionamiento y la durabilidad del soporte pueden ser comprometidos por defectos en su instalación.

Debido a las diversas situaciones que se puedan presentar fuera del control del fabricante, TransArctic no garantiza el diseño, la durabilidad o el correcto funcionamiento de cualquier equipo inapropiadamente instalado por terceros.

Esta sobreentendido que el Instalador del montaje del compressor es estrictamente responsable de la seguridad y funcionamiento del equipo en el momento de la instalación.

Si tuviera algun problema o duda acerca de la instalación del soporte del compressor pongase en contacto inmediatamente con TransArctic al telefono 1-877-COLD-AIR de modo que podamos mejorar nuestro producto.

Note la ubicacion del medidor de tension OEM
Instale el equipo
Controlar si hay interferecias.
Asegurese que el medidor de tension mantenga la orientacion justa.
Encienda el motor por lo menos 10 minutos con el sistema A/C enganchado para que la correa corra
Controle la orientacion justa del medidor de tension y ajuste a las condiciones requeridas del fabricante