

# Bill of Materials Listing

TransArctic Canada Inc.

1/6/2023  
Page 1 of 1

Product Number		Date	Description		Uof M	Weight	Yield	
Line	Qty	Component Prod#	Rev#	Description	Location	Unit		
<b>KMC62630</b>		<b>7/24/2020</b>	<b>2</b>	<b>Mt. Kit, ISB13, 2xTM21, IC CE300, '20</b>			<b>90.94</b>	<b>0</b>
10	1	PAC23150		Pack, Carton, 23" x 15" x 10", 51 ECT <b>PKG</b>		each		
20	1	BEL82690		Belt, 8gr, 2690mm (106") (5081059) <b>9850</b>		each		
30	1	BMC67063	2	Bkt, Alt, Bar, ISB, F400, BBCV, '10 <b>4010</b>		each		
40	1	BMC67109	0	Bkt, Shroud, Cover, BBCV, 12 Ga., '13 <b>4010</b>		each		
50	1	BMC67120	2	Bkt,Rad sprt.TM43/21, 6.7L. IC. Conv.'13 <b>4010</b>		each		
60	1	BMC67171	6	Bkt, Main, Weldm't, IC. Conv., '20 <b>4010</b>		each		
70	1	BMC67199	2	Bkt, Weldm't, TM-21, 6.7L, IC. Conv, '20 <b>4010</b>		each		
80	1	BMC67203	1	Bkt, Brace,Weldm't,Diag, Elec,TM-21, '20 <b>4010</b>		each		
90	1	BMZ00064	3	Bkt, Upper, Dual TM-21, Spacer <b>4010</b>		each		
100	3	CLP02625		Clamp, Constant Torque, 1 3/4"- 2 5/8" <b>7050</b>		each		
110	1	CLP03125		Clamp, Constant Torque, 2 1/4"- 3 1/8" <b>7050</b>		each		
120	1	FSP61906	0	Spacer, Fan, Pulley, IC, 19.05mm (.75") <b>4040</b>		each		
130	1	PUL67008	0	Pulley, Crank, ADD-ON, Cum, ISB, 6.7, P8 <b>4020</b>		each		
140	2	PUL80076		Pulley, Idler, Backside, P8, 74d (89101) <b>4020</b>		each		
150	2	PUL81074		Pulley, Idler, Frontside, P8,74d (89103) <b>4020</b>		each		
170	1	SCD17917	2	Spacer, Step, Drl, 17.9mm x38.1o x17.06i <b>4040</b>		each		
180	4	SLV17010	1	Sleeve, Pulley, 16.9o x 22.23mm x 10.32i <b>4040</b>		each		
190	1	TEN80003		Tenr, HD Spring, BackSide, CCW (89200B) <b>4035</b>		each		
200	1	TUS01894	0	Tube, Stl, Rad,1.75" O.D, C&W,15"Lg, '21 <b>4080</b>		each		
210	1	KBC62630	1	Bag Kit, Fasteners, TM21- KMC62630 <b>4060</b>		each		

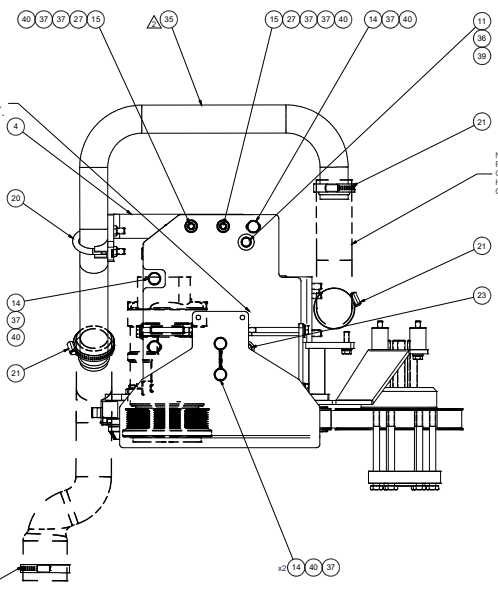
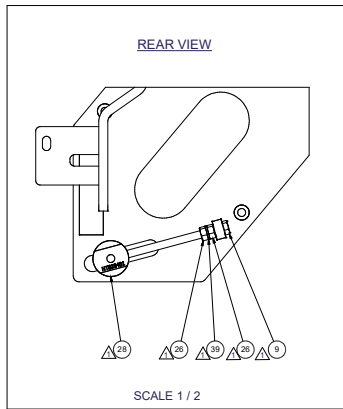
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TransArctic Canada Inc.

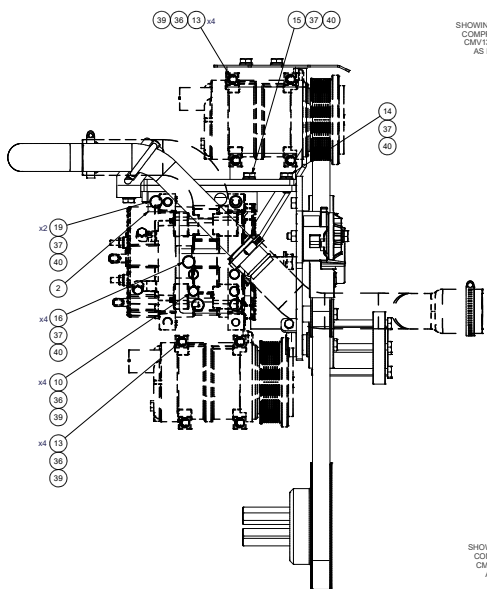
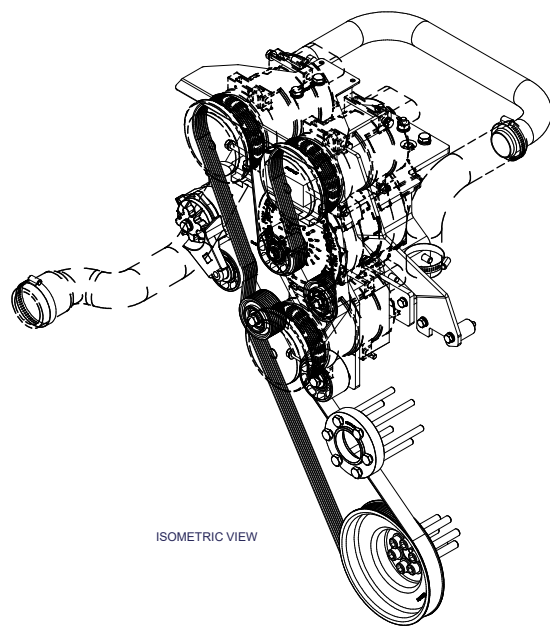
1/6/2023  
Page 1 of 1

Product Number	Date	Description	Uof M	Weight	Yield		
Line	Qty	Component Prod#	Rev#	Description	Location	Unit	
<b>KBC62630</b>	<b>7/24/2020</b>	<b>1</b>	<b>1</b>	<b>Bag Kit, Fasteners, TM21- KMC62630</b>		<b>6.62</b>	<b>0</b>
5	1	BTA08141		Bolt, Hex, 8 x 1.25 x 140mm, 8.8, Plt,FT <b>4070</b>		each	
10	4	BTC08025		Bolt, Hex, 8 x 1.25 x 25mm, 10.9, Plt <b>4070</b>		each	
20	2	BTC08030		Bolt, Hex, 8 x 1.25 x 30mm, 10.9, Plt,FT <b>4070</b>		each	
30	2	BTC08055		Bolt, Hex, 8 x 1.25 x 55mm, 10.9, Plt,FT <b>4070</b>		each	
40	12	BTC08100		Bolt, Hex, 8 x 1.25 x 100mm, 10.9, Plt <b>4070</b>		each	
50	6	BTC10025		Bolt, Hex, 10 x 1.5 x 25mm, 10.9, Plt <b>4070</b>		each	
60	7	BTC10050		Bolt, Hex, 10 x 1.5 x 50mm, 10.9, Plt <b>4070</b>		each	
70	4	BTC10070		Bolt, Hex, 10 x 1.5 x 70mm, 10.9, Plt <b>4070</b>		each	
80	1	BTC10090		Bolt, Hex, 10 x 1.5 x 90mm, 10.9, Plt <b>4070</b>		each	
90	6	BTC10120		Bolt, Hex, 10 x 1.5 x 120mm, 10.9, Plt <b>4070</b>		each	
100	2	BTC10150		Bolt, Hex, 10 x 1.5 x 150mm, 10.9, Plt <b>4070</b>		each	
120	1	BTS06176		Bolt, U, 3/8-16, 1.75" I.D, W, Nut/PLT. <b>4070</b>		each	
130	1	CSF08031		Capscrew, FH, 8 x 1.25 x 30mm, 10.9,Plt <b>4070</b>		Each	
140	6	CSS12090		Capscrew, SH, 12 x 1.25 x 90mm, 12.9,BLK <b>4070</b>		each	
145	2	NTA08000		Nut, Hex, 8 x 1.25, 8.8, Plt <b>4070</b>		each	
150	2	NTA10000		Nut, Hex, 10 x 1.5, 8.8, Plt <b>4070</b>		each	
170	1	NTS10401		1 Nut, Tensioner, 10mm, 40.1mm o/a, Plt <b>4070</b>		each	
180	20	WFA08000		Washer, Flat, 8mm, 8.8, Plt <b>4070</b>		each	
190	21	WFA10000		Washer, Flat, 10mm, 8.8, Plt <b>4070</b>		each	
200	6	WFS12002		0 Washer, Flat, Hdn, 12mm, Stl, BLK <b>4070</b>		each	
210	21	WLA08000		Washer, Lock, 8mm, 8.8, Plt <b>4070</b>		each	
220	20	WLA10000		Washer, Lock, 10mm, 8.8, Plt <b>4070</b>		each	

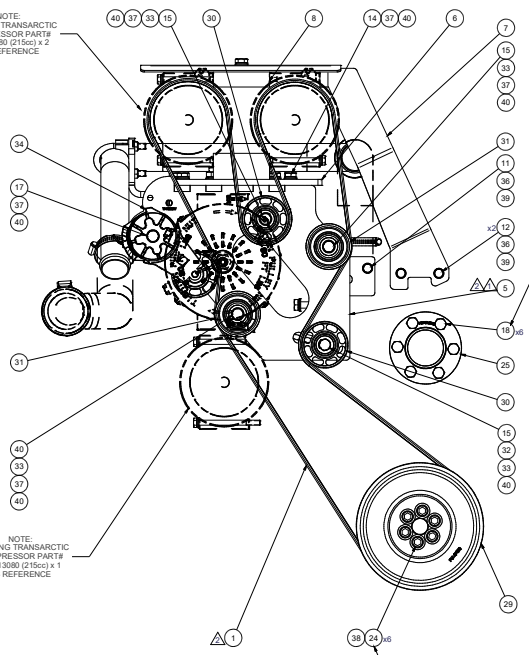
NOTE:  
NOT SHOWING COMPRESSOR FOR CLARITY.



NOTE:  
REMOVE EXISTING OEM RAD HOSE AND CUT TO LENGTH TO SUIT BOTH ENDS OF TUBE (TU501892). HOSE MUST BE RE-INSTALLED NO LESS THAN 2" ONTO TUBE, (BOTH ENDS).



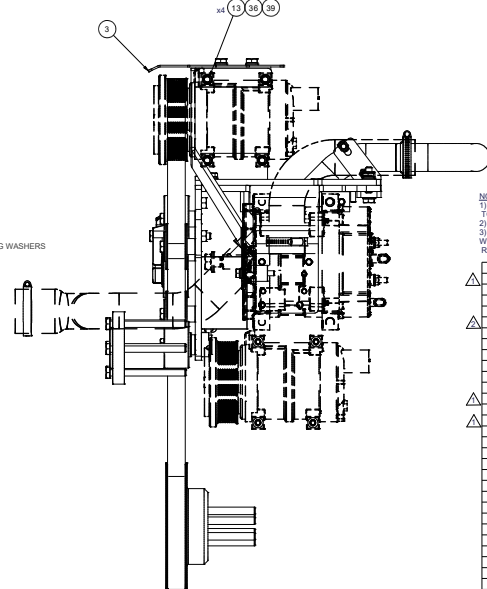
NOTE:  
SHOWING TRANSARCTIC COMPRESSOR PART# CMV1580 (2165) & 2 AS REFERENCE



NOTE:  
SHOWING TRANSARCTIC COMPRESSOR PART# CMV1580 (2165) & 1 AS REFERENCE

NOTE: USE EXISTING WASHERS

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



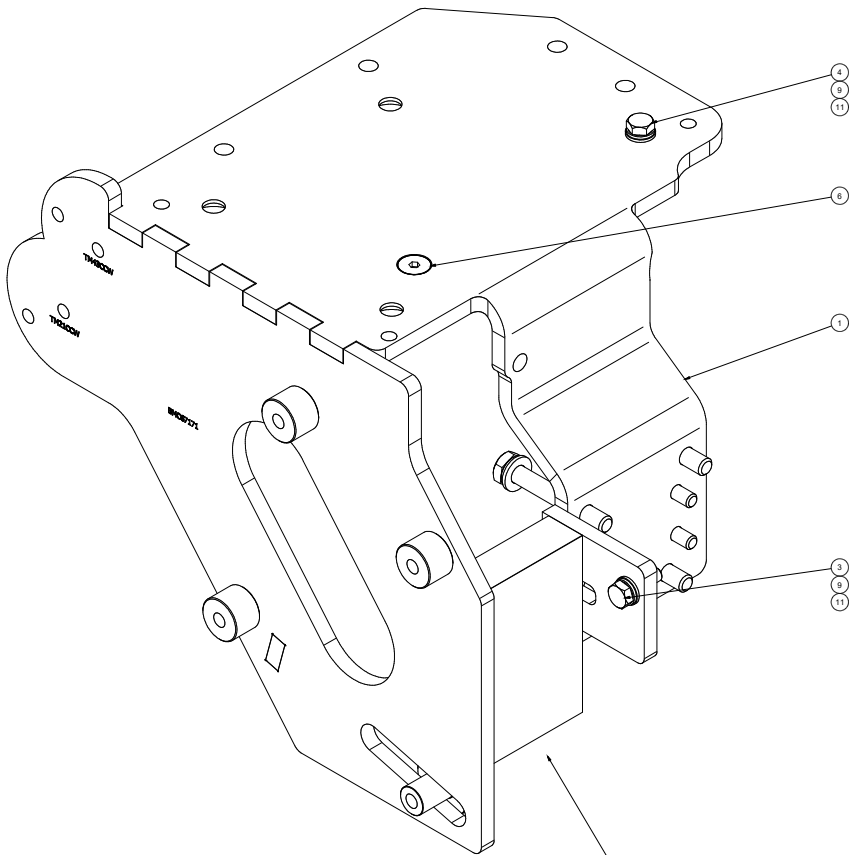
NOTES:  
1) USE SERVICABLE THREADLOCKER ON ALL FASTENERS TO ENGINE COMPONENTS AND TORQUE ALL BOLTS TO S.A.E. SPECIFICATIONS.  
2) SEE "TRANSARCTIC A/C COMPRESSOR MOUNT INSTALLATION DISCLAIMER".  
3) REMOVE ALTERNATOR MOUNT CASTING AND LIFTING LUG & REPLACE THE LIFT LUG WITH ITEM # BMC6711 AND RE-INSTALL ALTERNATOR AND MOUNT CASTING. REFER TO INSTALLATION PROCEDURE.

QTY	U/M	PART NUMBER	DESCRIPTION
40	1	WLA10000	WASHER LOCK, 10mm, 8.8, PLT
39	21	WLA09000	WASHER LOCK, 8mm, 8.8, PLT
38	6	WFS12002	WASHER FLAT, HDN, 12mm, STL, BLK
37	21	WFA10000	WASHER FLAT, 10mm, 8.8, PLT
36	20	WFA09000	WASHER FLAT, 8mm, 8.8, PLT
35	1	TU501894	TUBE, STL, RAD, 1.75" O.D., C&W, 15" LONG, '21
34	1	TENR0003	TENR, HD SPRING, BACKSIDE, CCW
33	4	SLV11010	SLEEVE, PULLEY, 16.9x x 22.20mm x 10.30
32	1	SCD17917	SPACER, STEP, DRL, 17.9mm x 28.6x x 171
31	2	PUL61074	PULLEY, IDLER, FRONTSIDE, P8, 74d x 39w
30	2	PUL67076	PULLEY, IDLER, BACKSIDE, P8, 76d x 39w
29	1	PUL67008	PULLEY, CRANK, ADD-ON, CLUM, ISB, 6.7, P8
28	1	NT10401	NUT, TENSIONER, 10 mm 40, 13 mm dia, PLT
27	2	NTA10000	NUT, HEX, 10 x 1.5, 8.8, PLT
26	2	NTA08000	NUT, HEX, 8 x 1.25, 8.8, PLT
25	1	FSP61908	SPACER, FAN, PULLEY, IC, ISB, 19.05mm (75")
24	6	CSZ02090	CAPSCREW, SH, 12 x 1.25 x 90mm, 12.9, PLT
23	1	CSF08001	CAPSCREW, FH, 8 x 1.25 x 30mm, 10.9, PLT
22	1	CLP03125	CLAMP, CONSTANT TORQUE, 2 1/4" - 3 1/8"
21	3	CLP02625	CLAMP, CONSTANT TORQUE, 1 3/4" - 2 5/8"
20	1	BTS66178	Bolt, U, 3/8-16, 1.75", 1.0, W, NUT, PLT
19	2	BTC10150	BOLT, HEX, 10 x 1.5 x 150mm, 10.9, PLT
18	8	BTC10120	BOLT, HEX, 10 x 1.5 x 120mm, 10.9, PLT
17	1	BTC10090	BOLT, HEX, 10 x 1.5 x 90mm, 10.9, PLT
16	4	BTC10070	BOLT, HEX, 10 x 1.5 x 70mm, 10.9, PLT
15	7	BTC10050	BOLT, HEX, 10 x 1.5 x 50mm, 10.9, PLT
14	6	BTC10025	BOLT, HEX, 10 x 1.25 x 100mm, 10.9, PLT
13	12	BTC08100	BOLT, HEX, 8 x 1.25 x 100mm, 10.9, PLT
12	2	BTC08055	BOLT, HEX, 8 x 1.25 x 55mm, 10.9, PLT
11	2	BTC08030	BOLT, HEX, 8 x 1.25 x 30mm, 10.9, PLT
10	4	BTC08025	BOLT, HEX, 8 x 1.25 x 25mm, 10.9, PLT
9	1	BTA08141	BOLT, HEX, 8 x 1.25 x 140mm, 8.9, PLT, FT
8	1	BMA20084	BKT, UPPER, DIA, TM-21, SPACER
7	1	BMC67203	BKT, BRACE, WELDMT, DIAG, TM-21, IC, '20
6	1	BMC67199	BKT, WELDMT, TM-21, 6.7L, IC, CONV, '20
5	1	BMC67171	BKT, MARK, WELDMT, IC, CONV, '20
4	1	BMC67120	BKT, RAD SPRT, TM43/21, 6.7L, IC, CONV, '13
3	1	BMC67109	BKT, SHROUD COVER, BBVCV, 12 GA, '13
2	1	BMC67063	BKT, ALT, BARK, ISB, F400, BBVCV, '10
1	1	BEL62690	BELT, Sgr, 2650mm (106")

DRAWN: Jose Rodriguez 8/22/2020  
 CHECKED: James Stewart 8/22/2020  
 REV ECN DESCRIPTION DATE BY: Val Jalkowitz 8/22/2020  
 APPROVED: Dale Mason 8/22/2020

TITLE: MT. KIT, ISB13, 2xTM21, IC CE300, '20  
 DWS NO: KMC62630  
 SCALE: 1:3  
 SHEET: 1 OF 2

TRANSARCTIC INC.  
 10000 W. 10TH AVE., SUITE 100, DENVER, CO 80201  
 TEL: 303.440.1000 FAX: 303.440.1001  
 WWW.TRANSARCTIC.COM

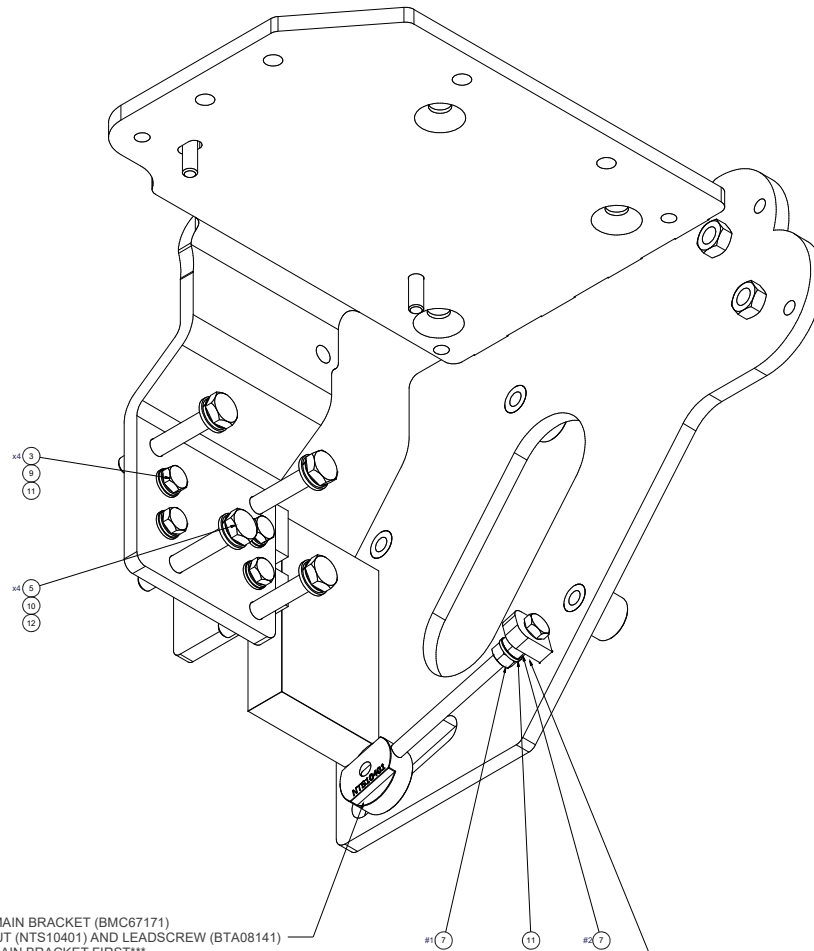


**COMPRESSOR MOUNT BRACKET (BMC67171)  
INSTALLATION PROCEDURE.**

"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\*\*\*

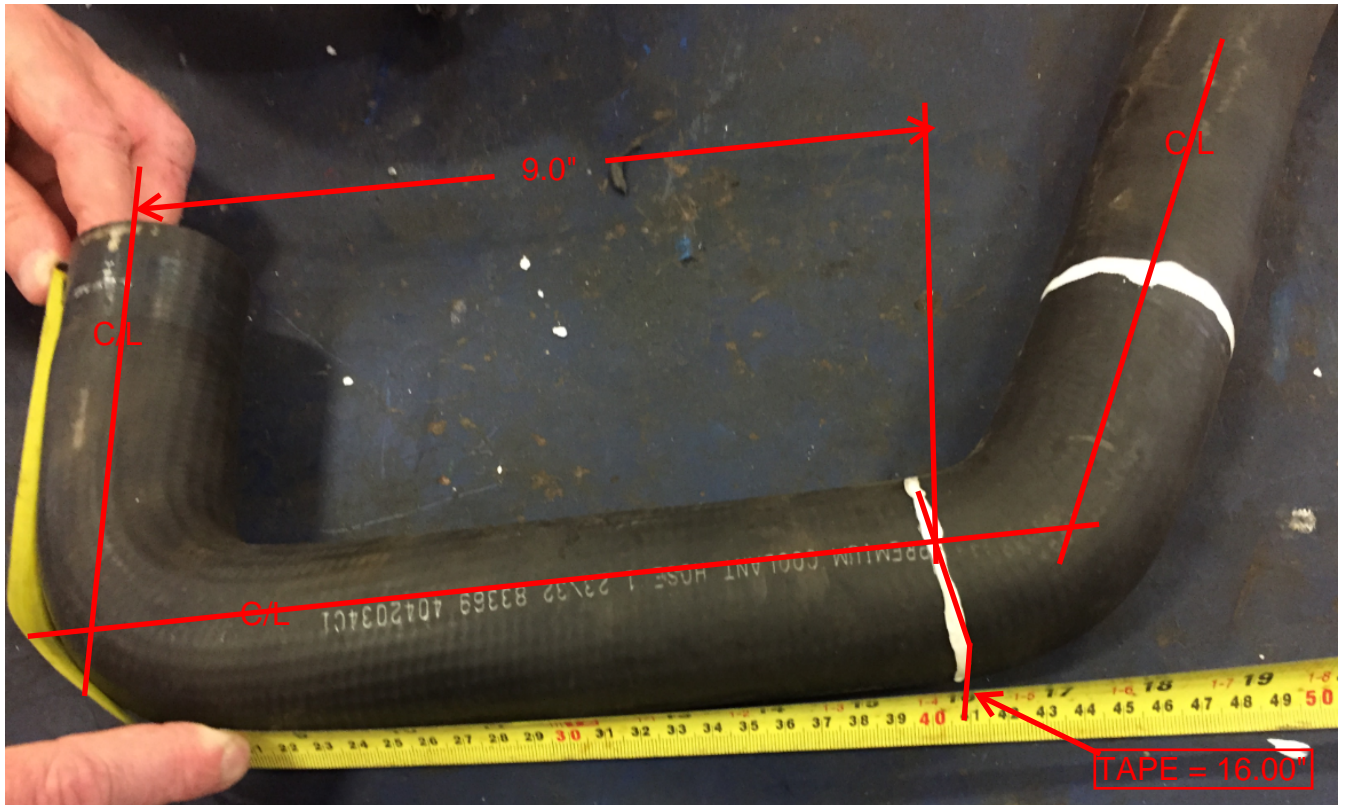


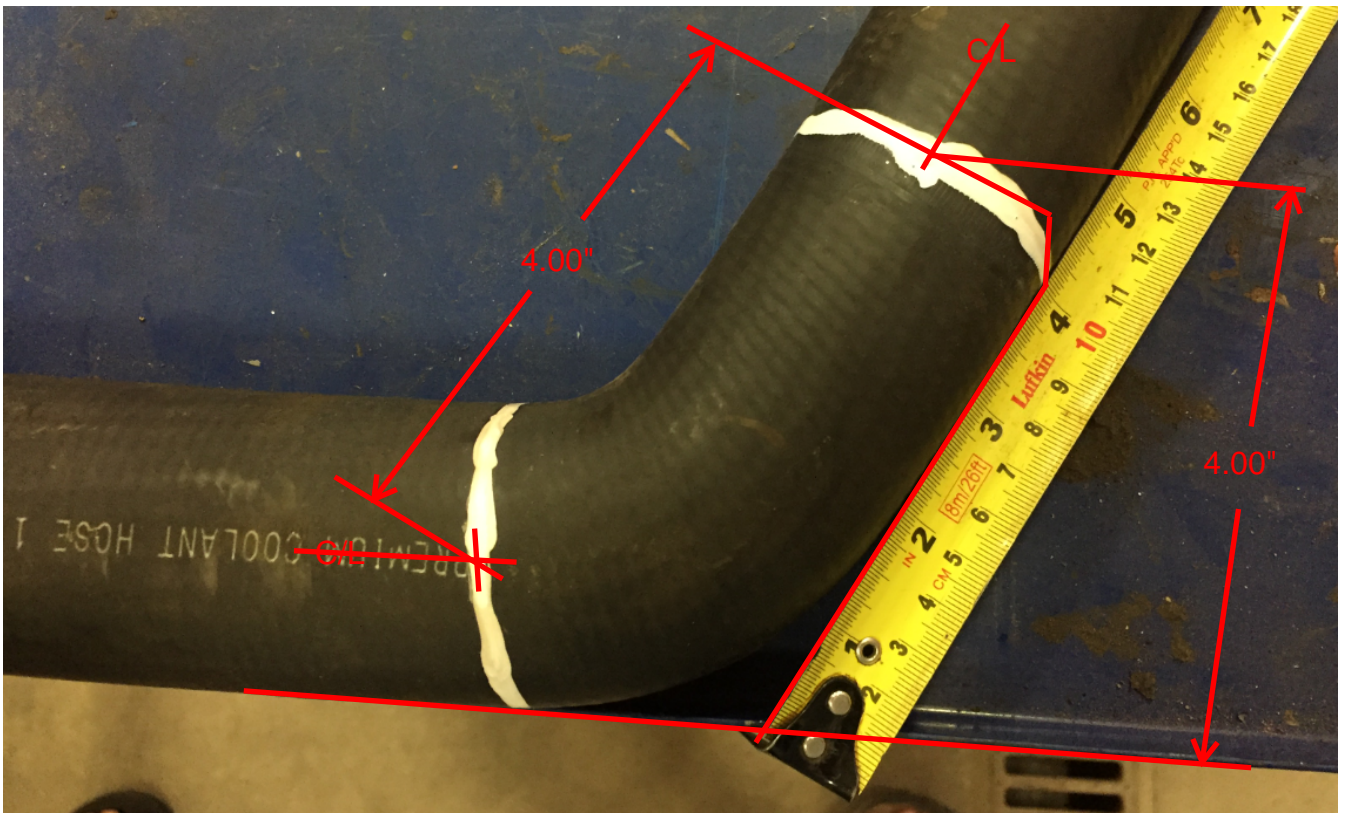
NOTE: DO NOT OVERTIGHTEN NUT #2 TO MAIN BRACKET TAB.  
ONLY SNUG FIT REQUIRED, FOR BOLT TO SPIN FREELY WHEN ADJUSTING PULLEY.

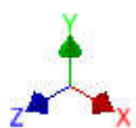
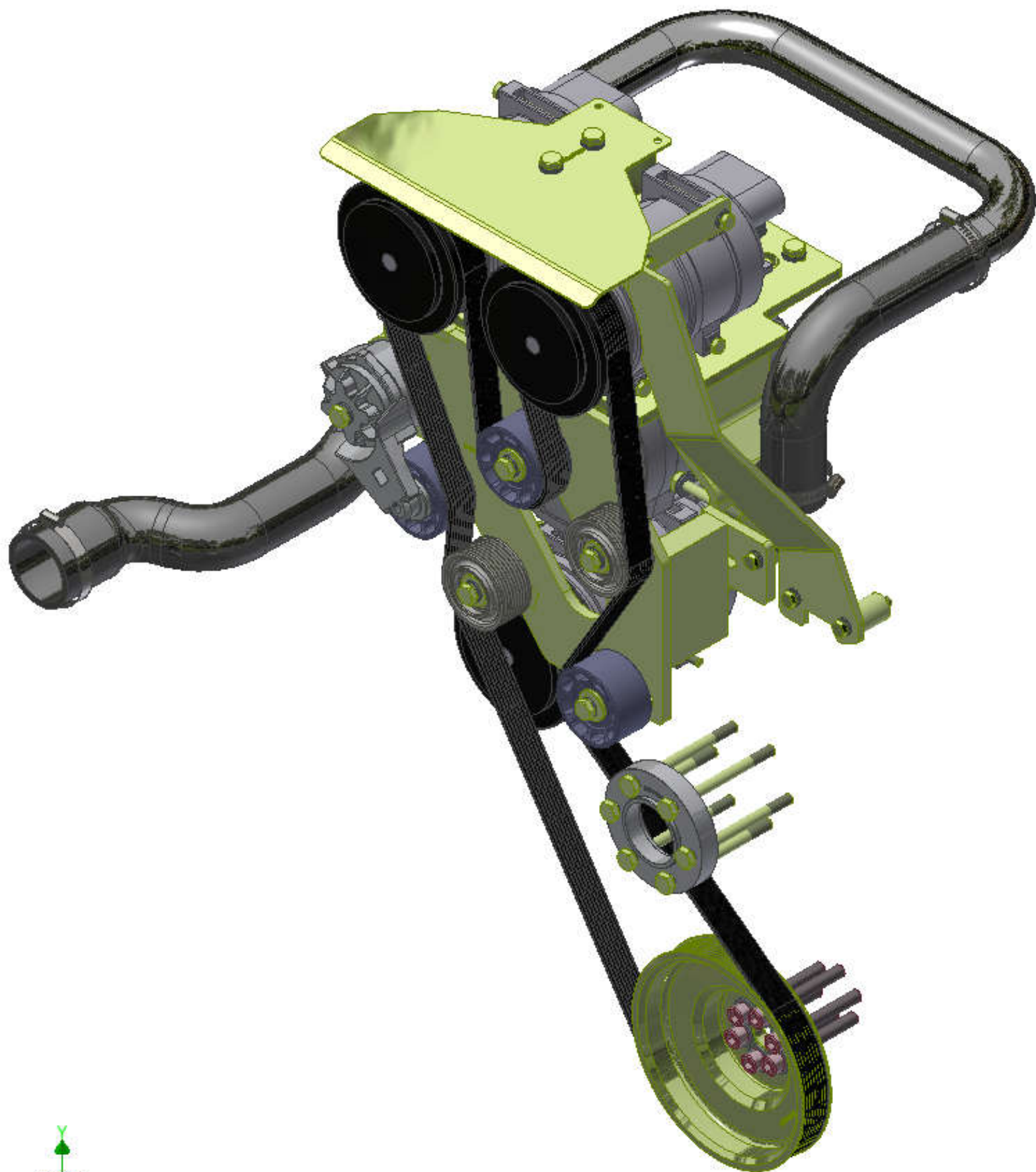
NOTES:  
1) USE SERVICABLE THREADLOCKER ON ALL FASTENERS TO ENGINE COMPONENTS AND TORQUE ALL BOLTS TO S.A.E. SPECIFICATIONS.  
2) SEE "TRANSARCTIC AC COMPRESSOR MOUNT INSTALLATION DISCLAIMER"  
3) REMOVE ALTERNATOR MOUNT CASTING AND LIFTING LUG & REPLACE THE LIFT LUG WITH ITEM # BMC67171 AND RE - INSTALL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

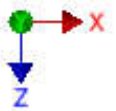
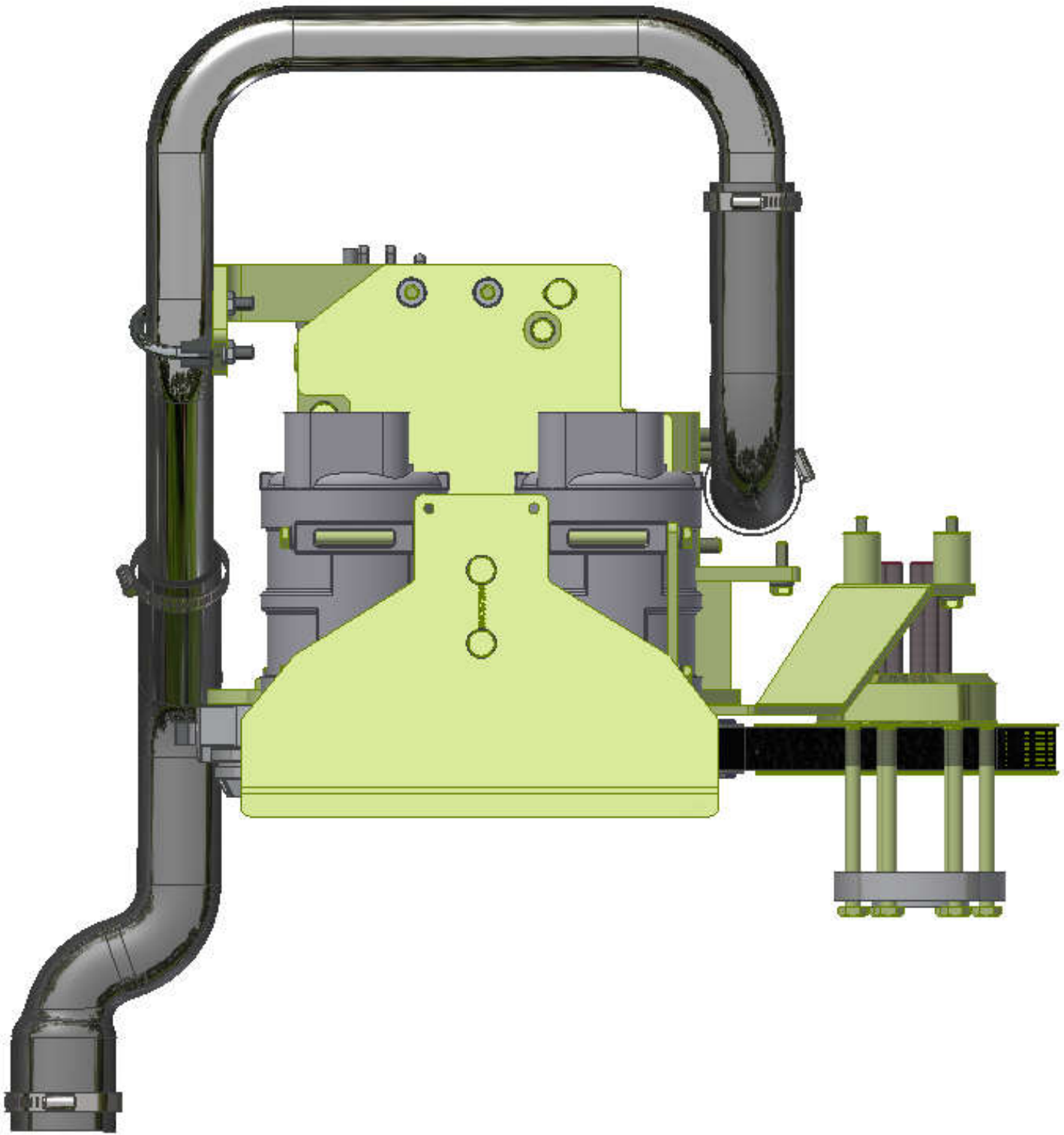
ITEM	QTY	U/M	PART NUMBER	DESCRIPTION
12	4	EACH	WLA10000	WASHER, LOCK, 10mm, 8.8, FLT
11	7	EACH	WLA09000	WASHER, LOCK, 8mm, 8.8, FLT
10	4	EACH	WFA10000	WASHER, FLAT, 10mm, 8.8, FLT
9	6	EACH	WFA09000	WASHER, FLAT, 8mm, 8.8, FLT
8	1	EACH	NTS10401	NUT, TENSIONER, 10 mm-60.13 mm o/d, FLT
7	2	EACH	NTA8000	NUT, HEX, 8 x 1.25, 8.8 FLT
6	1	EACH	CSF08031	CAPSCREW, FH, 8 x 1.25 x 30mm, 10.9, FLT
5	4	EACH	BTC09070	BOLT, HEX, 10 x 1.25 x 20mm, 10.9, FLT
4	1	EACH	BTC08030	BOLT, HEX, 8 x 1.25 x 30mm, 10.9, FLT
3	5	EACH	BTC08025	BOLT, HEX, 8 x 1.25 x 25mm, 10.9, FLT
2	1	EACH	BTAC08141	BOLT, HEX, 8 x 1.25 x 140mm, 8.8, FLT, FT
1	1	EACH	BMC67171	BKT, MAIN, WELDMT, IC, CONV, 20

DRAWN: Jose Rodriguez		DATE: 8/22/2020	CHECKED: James Stewart		DATE: 8/22/2020
REVISED: James Stewart		DATE: 8/22/2020	DATE: 8/22/2020		
REV ECN	DESCRIPTION	DATE	BY	DATE	BY
1	REVISED	8/22/2020	James Stewart	8/22/2020	James Stewart
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<p>MT. KIT, ISB13, 2xTM21, IC CE300, '20</p>			<p>DWG NO: KMC62630</p>		
<p>DATE: 8/22/2020</p>			<p>SCALE: 1:1</p>		
<p>APPROVED: Dale Mason</p>			<p>SHEET 2 OF 2</p>		

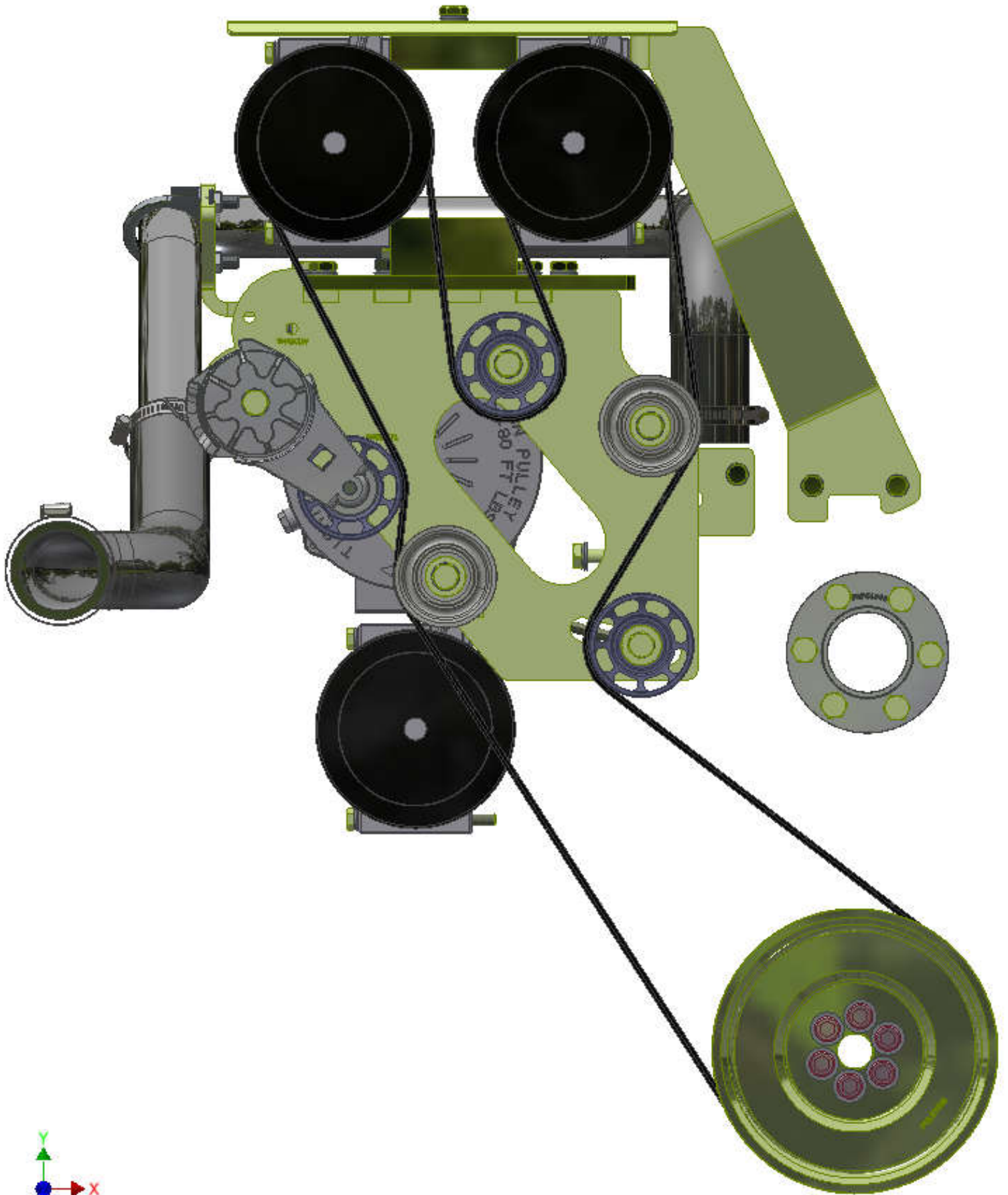


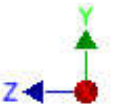
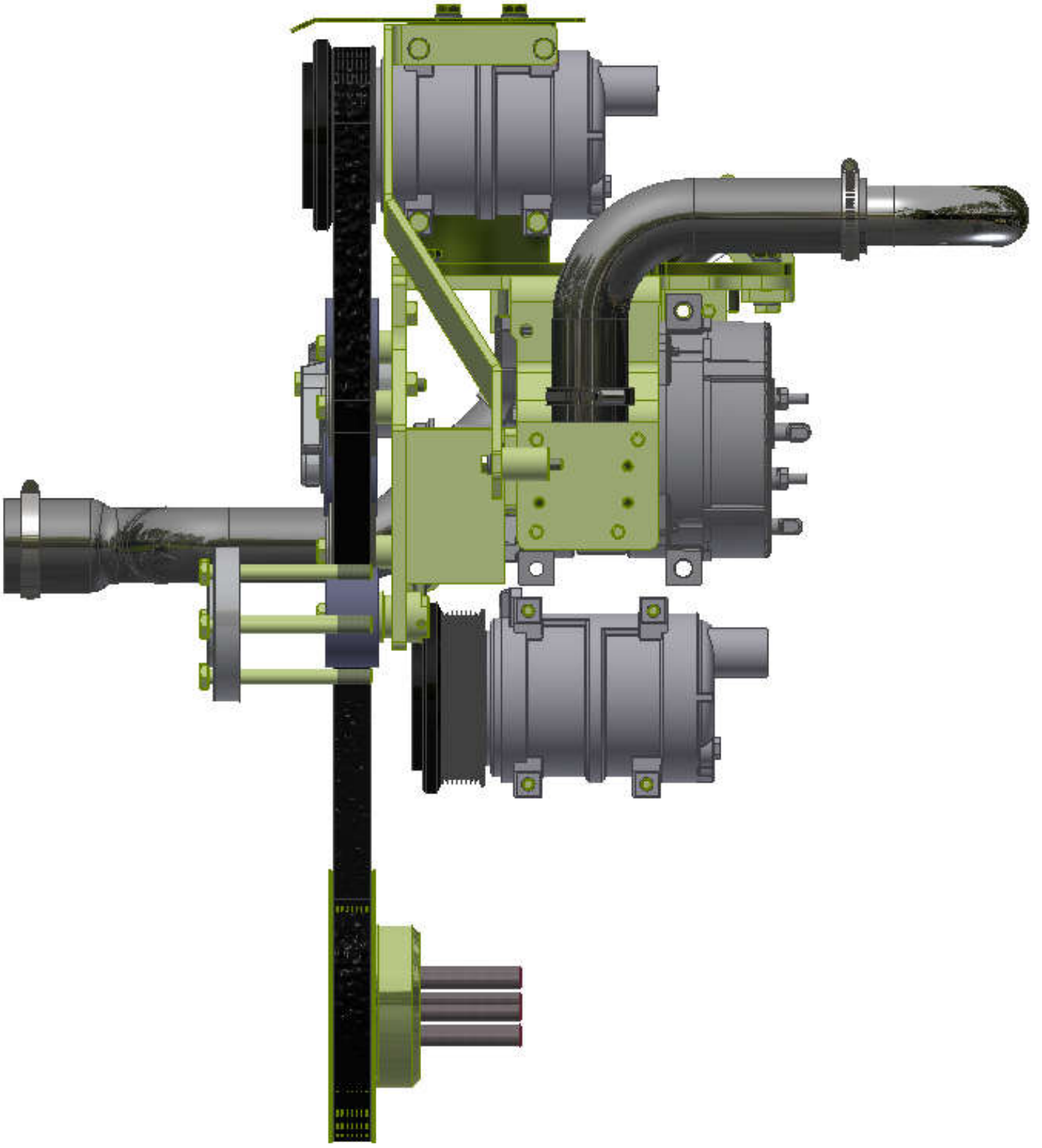


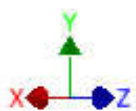
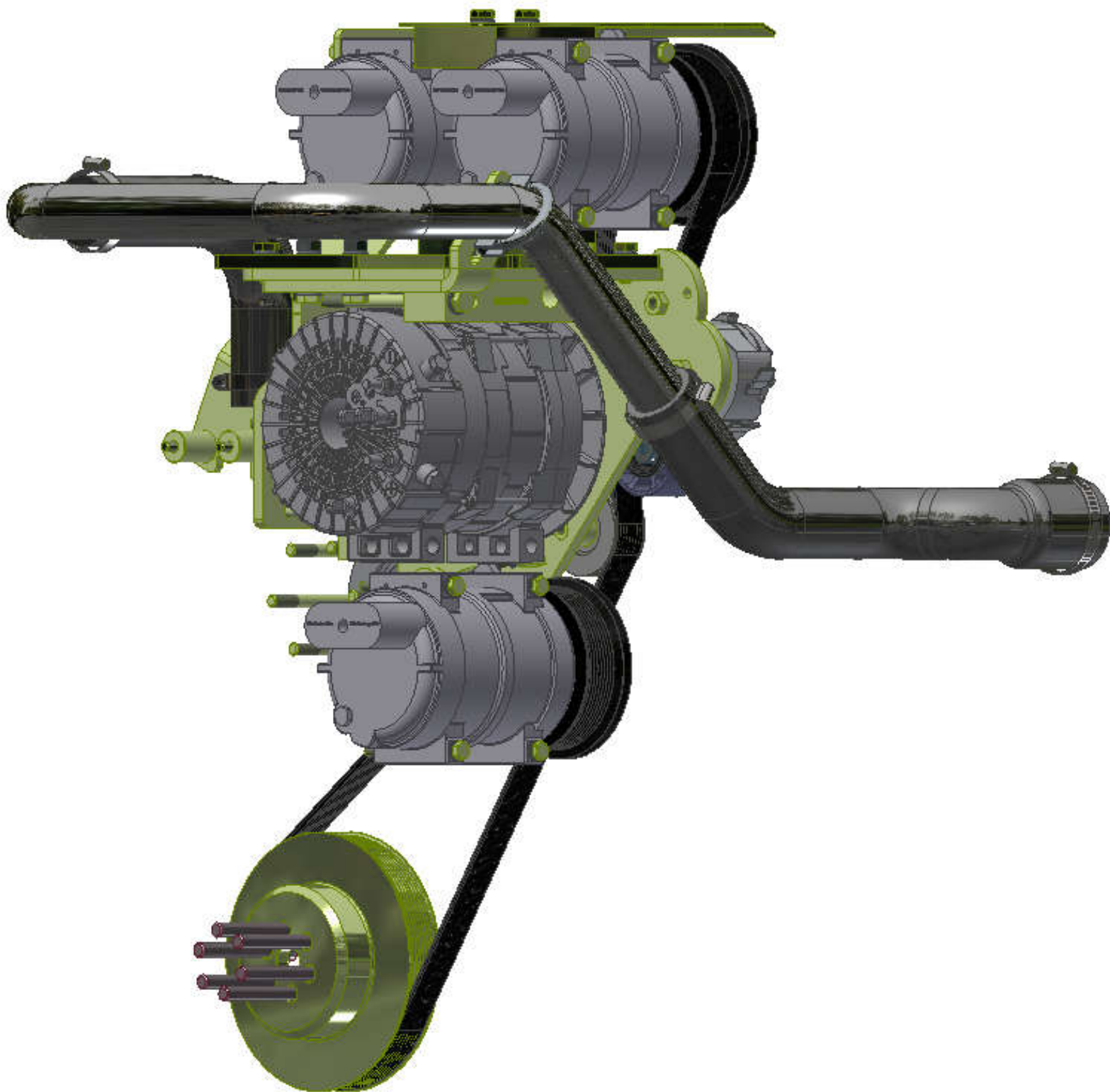


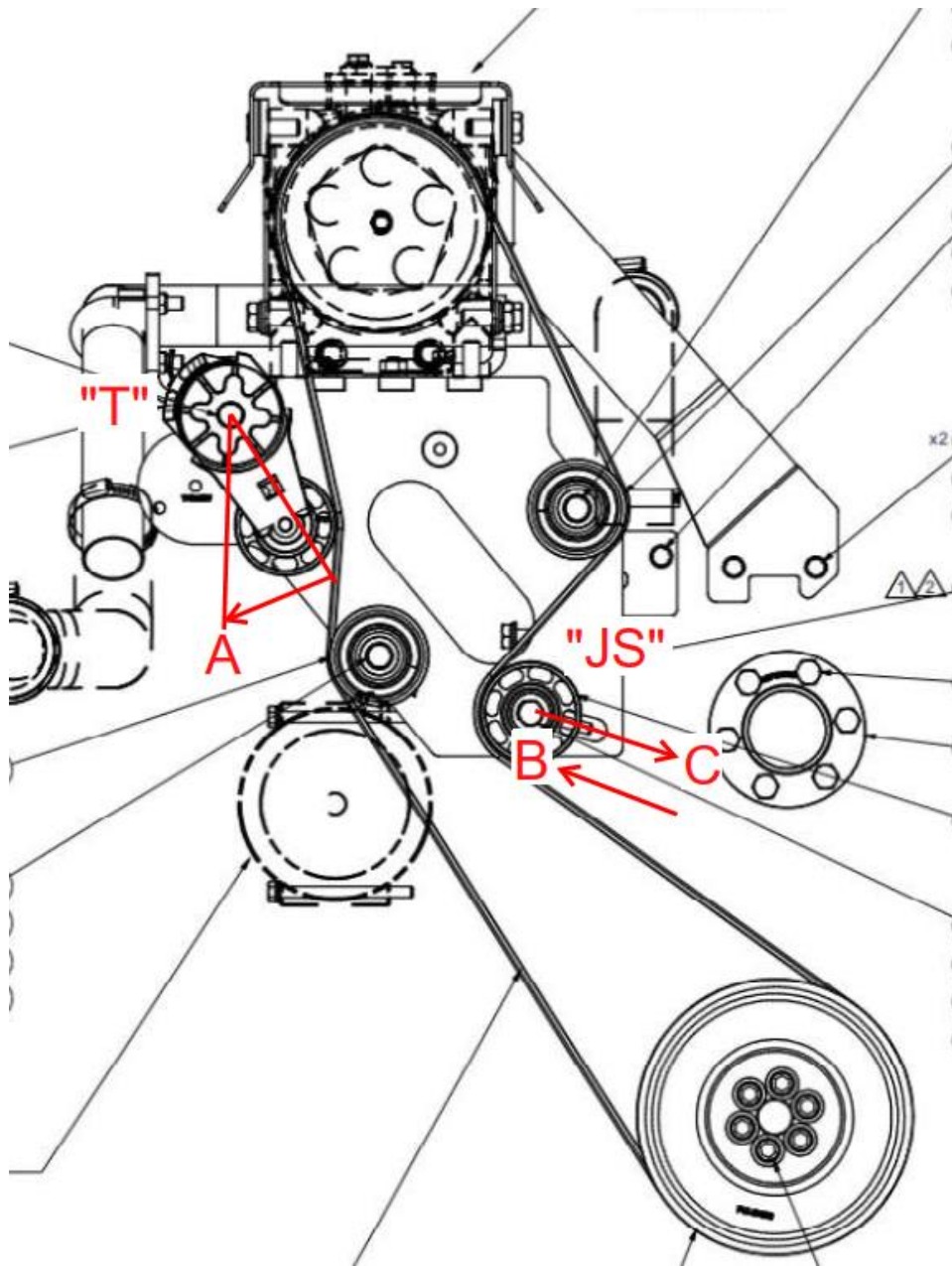












Proper “New” Belt Tensioning Procedure:

- 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 soporte 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 según las normas y guías para el servicio y/o reparación de motores de vehículos.

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

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 compresor es estrictamente responsable de la seguridad y funcionamiento del equipo en el momento de la instalación.**

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

**Note la ubicación del medidor de tensión OEM**

**Instale el equipo**

**Controlar si hay interferencias.**

**Asegurese que el medidor de tensión mantenga la orientación justa.**

**Encienda el motor por lo menos 10 minutos con el sistema A/C enganchado para que la correa corra**

**Controle la orientación justa del medidor de tensión y ajuste a las condiciones requeridas del fabricante**