

Bill of Materials Listing

TransArctic Canada Inc.

5/11/2018
Page 1 of 1

| Product Number | | Description | Rev# | Date | Weight | Uof M | Yield |
|-----------------|-----------------|--|----------|------------------|---------------|-------|----------|
| Line | Component Prod# | Description | Bin | Unit | Qty | | |
| KMC64096 | | Mt Kit, ISB, HDX, 4xFC, Alt, '16+ | 0 | 4/24/2017 | 166.28 | | 0 |
| 10 | BEL32389 | Belt, Banded B gr, 2388mm (94") | | each | 1 | | |
| 20 | BMC83125 | Bkt, Weldm't, Adapter Pl, ISL, HDX, '13 | | each | 1 | | |
| 30 | BMC83129 | Bkt, Weldm't, Main Base, ISL, HDX, '13 | | each | 1 | | |
| 40 | BMC90022 | Bkt, Main, Idler, Weldm't, ISL, HDX, '16 | | each | 1 | | |
| 50 | KCB84094 | Kit, Comp, Alt, PS, 4xFC,'13 | | each | 1 | | |
| 60 | KPC64094 | Kit, Pulley, 2B, ISB, 2013 | | each | 1 | | |
| 70 | PUA05001 | Pulley, Assy, Idler, B/S, 5", Stl, Plt | | each | 1 | | |
| 80 | PUA05012 | Pulley, Assy, Idler,B/BX gr,5", STL,Plt | | each | 1 | | |
| 90 | SCD16012 | Spacer, Col, Drl,16 mm x 34.9o x 12.3i | | each | 1 | | |
| 100 | SCD21912 | Spacer, Col, Drl,21.9mm x 25.4o x 12.3i | | each | 1 | | |
| 110 | SLV17012 | Sleeve, Pulley, 16.9o x 22.23mm x 12.32i | | each | 2 | | |
| 120 | KBC94195 | Bag Kit, Fasteners,KMC94195 & Others. | | each | 1 | | |

Bill of Materials Listing

TransArctic Canada Inc.

5/11/2018
Page 1 of 1

| Product Number | | Description | Rev# | Date | Weight | Uof M | Yield |
|-----------------|-----------------|--|----------|-----------------|-------------|-------|----------|
| Line | Component Prod# | Description | Bin | Unit | Qty | | |
| KBC94195 | | Bag Kit, Fasteners,KMC94195 & Others. | 0 | 6/1/2016 | 2.36 | | 0 |
| 10 | BTC10045 | Bolt, Hex, 10 x 1.5 x 45mm, 10.9, Plt,FT | | each | 3 | | |
| 20 | BTC12080 | Bolt, Hex, 12 x 1.75 x 80mm, 10.9,Plt,FT | | each | 2 | | |
| 30 | BTQ06175 | Bolt, Hex, 3/8-16unc, 1.75", 8, Plt | | each | 5 | | |
| 40 | BTQ08125 | Bolt, Hex, 1/2-13unc, 1.25", 8, Plt | | each | 2 | | |
| 50 | BTQ08151 | Bolt, Hex, 1/2-20unf, 1.5", 8, Plt | | each | 2 | | |
| 55 | CSF08101 | Capscrew, FH, 1/2-20unf x 1.0",Alloy,Plt | | each | 4 | | |
| 60 | NTA10000 | Nut, Hex, 10 x 1.5, 8.8, Plt | | each | 3 | | |
| 70 | NTA12000 | Nut, Hex, 12 x 1.75, 8.8, Plt | | each | 2 | | |
| 80 | NTQ06000 | Nut, Hex, 3/8-16unc, 8, Plt | | each | 5 | | |
| 90 | WFA10002 | Washer, Flat, 10mm, Hvy, 8.8, Plt | | each | 6 | | |
| 100 | WFA12002 | Washer, Flat, 12mm, Hvy, 8.8, Plt | | each | 2 | | |
| 110 | WFAQ08000 | Washer, Flat, 1/2", 8, Plt | | each | 4 | | |
| 120 | WFS06002 | Washer, Flat, 3/8", L9, Plt | | each | 10 | | |
| 130 | WLA10000 | Washer, Lock, 10mm, 8.8, Plt | | each | 3 | | |
| 140 | WLA12000 | Washer, Lock, 12mm, 8.8, Plt | | each | 2 | | |
| 150 | WLQ06000 | Washer, Lock, 3/8", 8, Plt | | each | 5 | | |
| 160 | WLQ08000 | Washer, Lock, 1/2", 8, Plt | | each | 4 | | |

Bill of Materials Listing

TransArctic Canada Inc.

7/7/2017
Page 1 of 1

| Product Number | Description | Date | Weight | Uof M | Yield |
|----------------------------|-------------------------------------|-----------------------------|--|--------------|----------|
| Line Component Prod# | Description | Bin Unit | Qty | | |
| KCB84094 | Kit, Comp, Alt, PS, 4xFC,'13 | | 9/9/2013 | 62.57 | 0 |
| 10 | BEL11040 | | Belt, A gr, 1040mm (41") | each | 2 |
| 20 | BMC83114 | | Bkt, PI, ALT Spacer, T3RE, '13 | each | 1 |
| 30 | BMN80008 | | Vibration Isolator, Bar,16.50 x 2 x 1.50 | each | 2 |
| 40 | BMN80025 | | Bkt, Back, PL, Slide, IC, RE300 | each | 1 |
| 50 | BMT10011 | | Bkt, Tenr, Block, Offset, 3mm | each | 2 |
| 60 | BMZ00043 | | Bkt, Main, Base PI, '13 | each | 1 |
| 70 | KBT84094 | | Kit, Platform, PS, 4xFC, W/Alt,'13 | each | 1 |
| 80 | PUL03321 | | Pulley, ALT, Idler, 3.25"d, 2A | each | 1 |
| 90 | TRD08120 | | Threaded, Rod, 1/2-13unc x 12", 5, Plt | each | 1 |
| 100 | KBZ84094 | | Bag Kit, Fasteners, KCB84094 | each | 1 |

Bill of Materials Listing

TransArctic Canada Inc.

3/8/2017
Page 1 of 1

| Product Number | Description | Date | Weight | Uof M | Yield |
|----------------------------|-------------------------------------|-----------------------------|--|-------------|----------|
| Line Component Prod# | Description | Bin Unit | Qty | | |
| KBZ84094 | Bag Kit, Fasteners, KCB84094 | | 10/18/2013 | 2.42 | 0 |
| 10 | BTP08653 | | Bolt, Hex, 1/2-13unc, 6.5", 5, Plt, FT | each | 1 |
| 20 | BTQ08101 | | Bolt, Hex, 1/2-20unf, 1.00", 8, Plt | each | 4 |
| 30 | BTQ08150 | | Bolt, Hex, 1/2-13unc, 1.5", 8, Plt | each | 4 |
| 40 | BTQ08653 | | Bolt, Hex, 1/2-13unc, 6.5", 8, Plt | each | 1 |
| 50 | CSF08076 | | Capscrew, FH, 1/2-20unf x .75", Alloy, Plt | each | 2 |
| 60 | NTQ08000 | | Nut, Hex, 1/2-13unc, 8, Plt | each | 7 |
| 70 | WFQ08000 | | Washer, Flat, 1/2", 8, Plt | each | 10 |
| 80 | WLQ08000 | | Washer, Lock, 1/2", 8, Plt | each | 12 |

Bill of Materials Listing

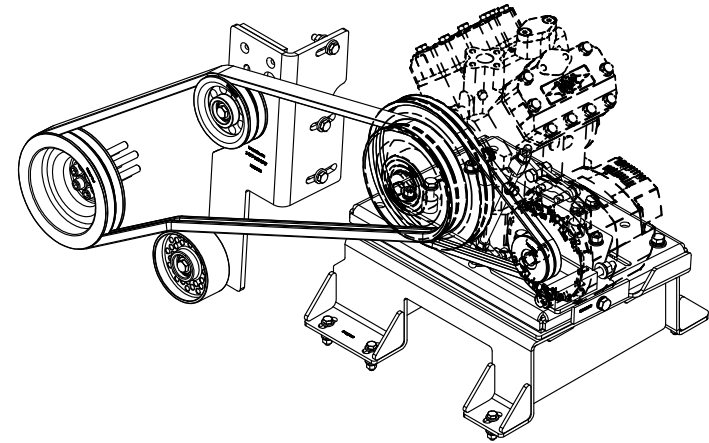
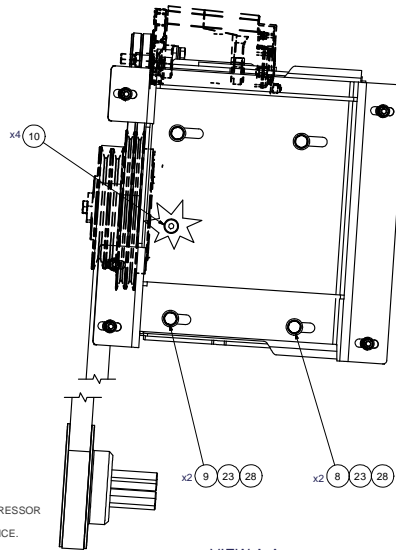
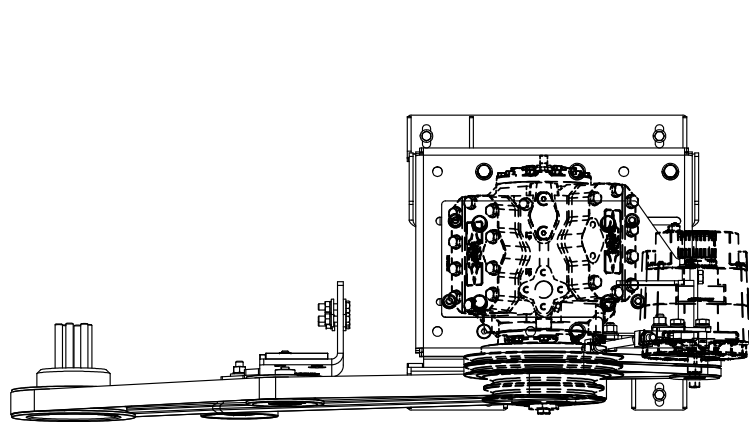
TransArctic Canada Inc.

11/6/2013

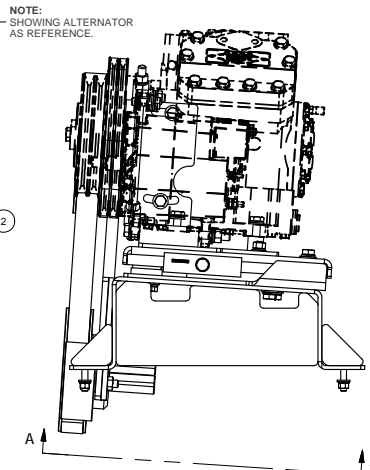
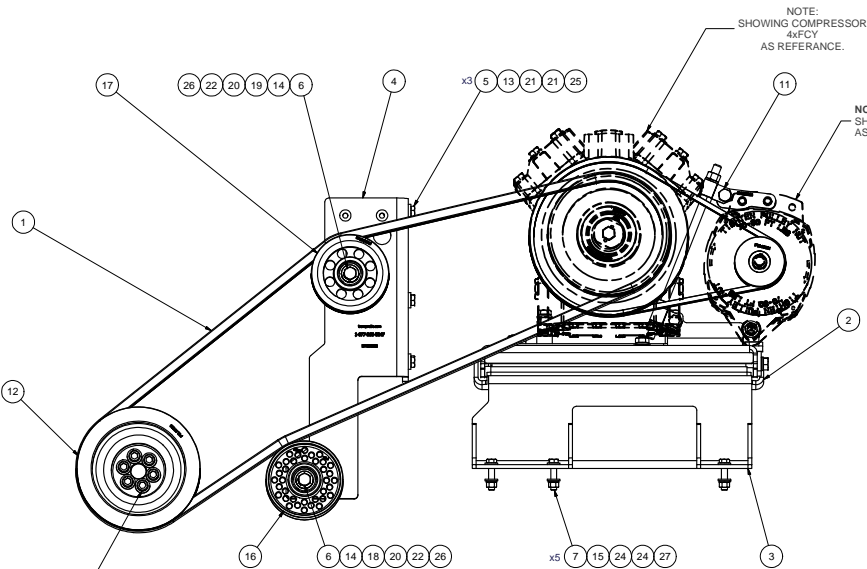
Page 1 of 1

| Product Number | | Description | Bin | Date | Weight | Uof M | Yield |
|-----------------|-----------|-----------------------------------|--|------------------|--------------|-------|----------|
| Line | Component | Prod# | Description | Unit | Qty | | |
| KPC64094 | | Kit, Pulley, 2B, ISB, 2013 | | 5/13/2008 | 14.32 | | 0 |
| 10 | PUL67222 | | Pulley, Crank, ADD-ON, ISB,6.7L,2B/X,'07 | each | 1 | | |
| 20 | CSS12090 | | Capscrew, SH, 12 x 1.25 x 90mm, 12.9,BLK | each | 6 | | |
| 30 | WFS12002 | | Washer, Flat, Hdn, 12mm, Stl, BLK | each | 6 | | |

8 7 6 5 4 3 2 1



ISOMETRIC VIEW



- 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'.

NOTE:
 TORQUE TO: 37 FT-LB PLAIN & LUBRICATED W/ CLEAN ENGINE OIL (15W-40)
 (SH. CAPSCREW M12 x 1.25 x 90mm)
 TIGHTEN IN TWO STEPS IN A CRIS-CROSS TIGHTENING SEQUENCE PATTERN.

| ITEM | QTY | U/M | PART NUMBER | DESCRIPTION |
|------|-----|------|-------------|---|
| 28 | 4 | EACH | WL008000 | WASHER, LOCK, 1/2", 8, PLT |
| 27 | 5 | EACH | WL006000 | WASHER, LOCK, 3/8", 8, PLT |
| 26 | 2 | EACH | WL120000 | WASHER, LOCK, 12mm, 8.8, PLT |
| 25 | 3 | EACH | WL100000 | WASHER, LOCK, 10mm, 8.8, PLT |
| 24 | 10 | EACH | WFS06002 | WASHER, FLAT, 3/8", L9, PLT |
| 23 | 4 | EACH | WFO08000 | WASHER, FLAT, 1/2", 8, PLT |
| 22 | 2 | EACH | WFA12002 | WASHER, FLAT, 12mm, HVY, 8.8, PLT |
| 21 | 6 | EACH | WFA10002 | WASHER, FLAT, 10mm, HVY, 8.8, PLT |
| 20 | 2 | EACH | SLV17012 | SLEEVE, PULLEY, 16.90 x 22.23 mm x12.19 |
| 19 | 1 | EACH | SCD21912 | SPACER, COL, DRL, 21.9mm x 31.80 x12.31 |
| 18 | 1 | EACH | SCD16012 | SPACER, COL, DRL, 16mm x 31.80 x 12.01 |
| 17 | 1 | EACH | PIUA05012 | PULLEY, ASSY, IDLER, B/BX gr, 5" STL, PLT |
| 16 | 1 | EACH | PIUA05001 | PULLEY, ASSY, IDLER, B/S, 5", STL, PLT |
| 15 | 5 | EACH | NT006000 | NUT, HEX, 3/8-16UNC, 8, PLT |
| 14 | 2 | EACH | NTA12000 | NUT, HEX, 12 x 1.75, 8.8, PLT |
| 13 | 3 | EACH | NTA10000 | NUT, HEX, 10 x 1.5, 8.8, PLT |
| 12 | 1 | EACH | KPC64094 | KIT, PULLEY, 28, ISB, 2013 |
| 11 | 1 | EACH | KCB84094 | KIT, COMPRESSOR, 2AV, PS, 4FC, 13 |
| 10 | 4 | EACH | CSF08101 | CAPSCREW, FH, 1/2-20UNF x 1", ALLOY, PLT |
| 9 | 2 | EACH | BTQ08151 | BOLT, HEX, 1/2-20UNF x 1.50, 8, PLT |
| 8 | 2 | EACH | BTQ08125 | BOLT, HEX, 1/2-13UNC x 1.25, 8, PLT |
| 7 | 5 | EACH | BTQ06175 | BOLT, HEX, 3/8-16UNC, 1.75", 8, PLT |
| 6 | 2 | EACH | BTC12080 | BOLT, HEX, 12 x 1.75 x 80mm, 10.9, PLT |
| 5 | 3 | EACH | BTC10045 | BOLT, HEX, 10 x 1.5 x 45mm, 10.9, PLT |
| 4 | 1 | EACH | BMC90022 | BKT, MAIN, IDLER, WELDMT, ISL, HDX, 16 |
| 3 | 1 | EACH | BMC83129 | BKT, WELDMT, MAIN BASE, ISL, HDX, 13 |
| 2 | 1 | EACH | BMC83125 | BKT, WELDMT, ADAPTER PL, ISL, HDX, 13 |
| 1 | 1 | EACH | BEL32388 | BELT, BANDED B gr, 2388mm (9'4") |

BILL OF MATERIALS
TRANSARCTIC INC.

| | | | |
|----------|------------------------|-----------|-----|
| REVISION | DESCRIPTION | DATE | BY |
| 0 | RELEASED TO PRODUCTION | 5/10/2018 | JRK |
| 1 | | | |
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| 27 | | | |
| 28 | | | |

| | | | |
|-------------------------|-----------------------------------|-----------|--------|
| DRAWN | Jrodriguez | 5/10/2018 | |
| CHECKED | Val Jakovlew | 5/10/2018 | |
| APPROVED | Ron Ingram | 5/10/2018 | |
| DATE | Dale Mason | 5/10/2018 | |
| TITLE | MT KIT, ISB, HDX, 4xFC, ALT, '16+ | | |
| SIZE | D | DWG NO | REV |
| SCALE | 1:4 | KMC64096 | 0 |
| DRAWING UNIT OF MEASURE | MM (INCH) | SHEET | 1 OF 1 |

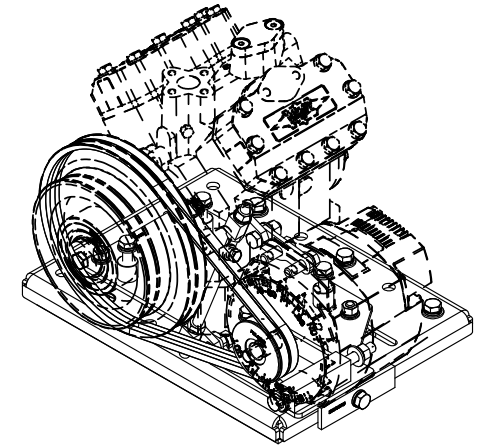
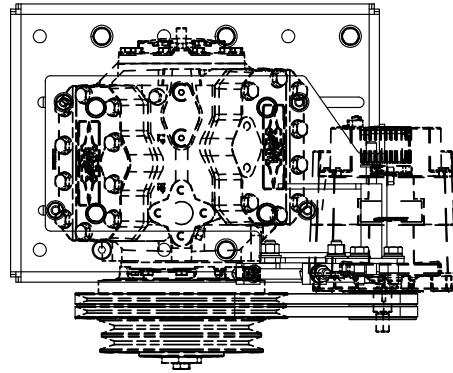
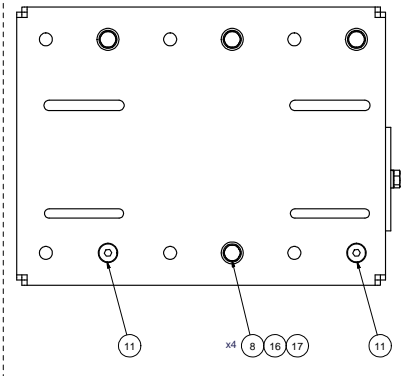
UNSPECIFIED TOLERANCES:
 ONE DECIMAL PLACE (X1) 0.10 (FRACTIONAL)
 TWO DECIMAL PLACE (X2) 0.05 (FRACTIONAL)
 THREE DECIMAL PLACE (X3) 0.025 (FRACTIONAL)
 FRACTIONAL (X4) 1/32 (FRACTIONAL)



8 7 6 5 4 3 2 1

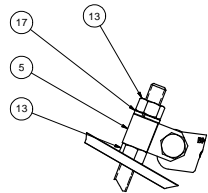
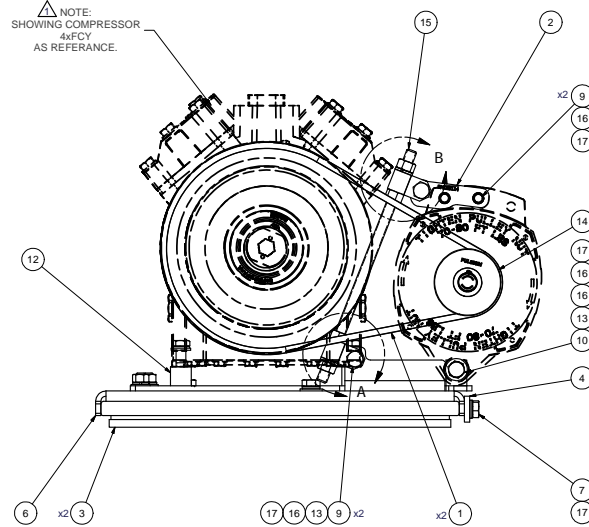
TOP VIEW

PARTS REMOVED FOR CLARITY.

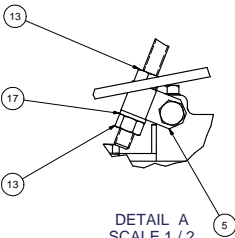


ISOMETRIC VIEW

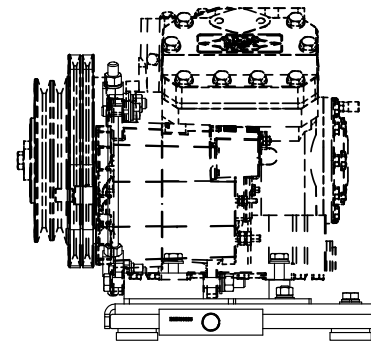
NOTE:
SHOWING COMPRESSOR
4xFCY
AS REFERENCE.



DETAIL B
SCALE 1/2



DETAIL A
SCALE 1/2



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) WEIGHT: 56.70 LBS.

| ITEM | QTY | U/M | PART NUMBER | DESCRIPTION |
|------|-----|------|-------------|---|
| 17 | 12 | EACH | WLO08000 | WASHER, LOCK, 1/2", 8, PLT |
| 16 | 10 | EACH | WFO08000 | WASHER, FLAT, 1/2", 8, PLT |
| 15 | 1 | EACH | TRD08120 | THREADED, ROD, 1/2-13UNC x 12", 5 PLT |
| 14 | 1 | EACH | PUL03321 | PULLEY, ALT, IDLER, 3.25"o, 2A |
| 13 | 7 | EACH | NT008000 | NUT, HEX, 1/2-13UNC, 8, PLT |
| 12 | 1 | EACH | K8184094 | KIT, PLATFORM, PS, 4xFCY/ FK40, W/ ALT, '13 |
| 11 | 2 | EACH | CSF00076 | CAPSCREW, FH, 1/2-20UNF x .75", ALLOY, PLT |
| 10 | 1 | EACH | BT008653 | BOLT, HEX, 1/2-13UNC x 6.50, 8, PLT |
| 9 | 4 | EACH | BT008150 | BOLT, HEX, 1/2-13UNC x 1.50, 8, PLT |
| 8 | 4 | EACH | BT008101 | BOLT, HEX, 1/2-20UNF x 1.00, 5, PLT, FT |
| 7 | 1 | EACH | BT008653 | BOLT, HEX, 1/2-13UNC x 6.50, 5, PLT, FT |
| 6 | 1 | EACH | BMZ00043 | BKT, MAIN, BASE PL, '13 |
| 5 | 2 | EACH | BMT10011 | BKT, TENR, BLOCK, OFFSET, 3mm |
| 4 | 1 | EACH | BMN80025 | BKT, BACK, PL, SLIDE, IC, RE300 |
| 3 | 2 | EACH | BMN80008 | VIBRATION ISOLATOR, BAR, 16.50 x 2 x 1.50 |
| 2 | 1 | EACH | BMK83114 | BKT, PL, ALT, SPACER, T3RE, '13 |
| 1 | 2 | EACH | BELT1040 | BELT, A, gr, 1040mm (41") (17410) |

BILL OF MATERIALS

| | | | |
|---------------|---------------|--|--|
| BROWN | 9/9/2013 | | |
| JRodriguez | | | |
| CHECKED | | | |
| VJal_Jakowlew | 9/9/2013 | | |
| GA | | | |
| DATE: | 9/9/2013 | | |
| BY: | James Stewart | | |
| APPROVED | 9/9/2013 | | |
| DATE: | 9/9/2013 | | |
| BY: | Ron Ingram | | |
| DATE: | 9/9/2013 | | |
| BY: | Dale Mason | | |

TRANSARCTIC INC.

KIT, COMPRESSOR, ALT, PS, 4xFC, '13

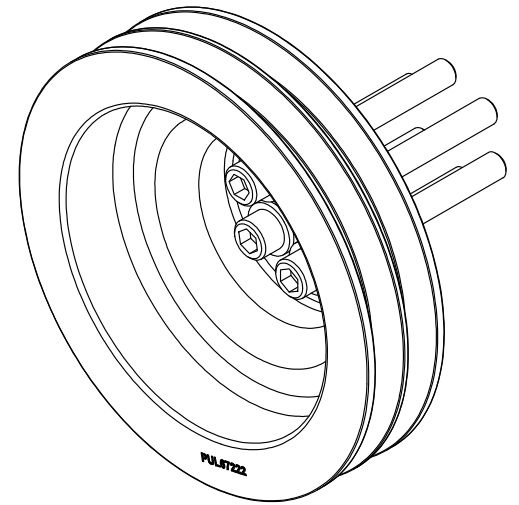
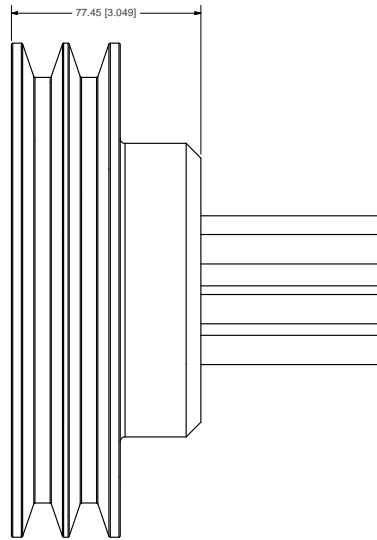
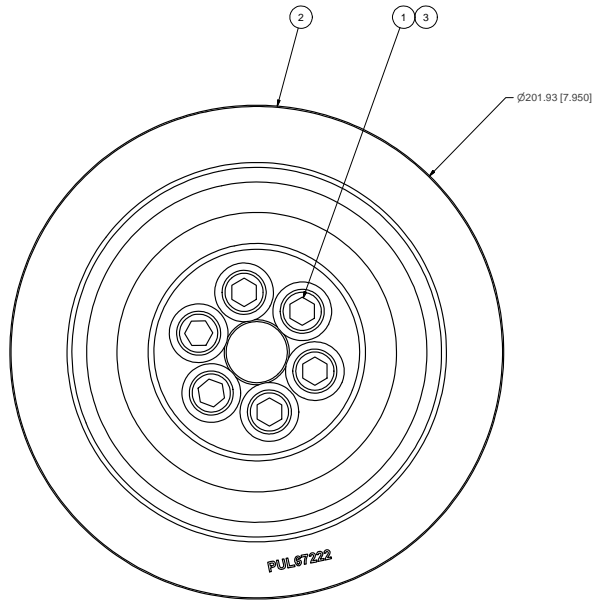
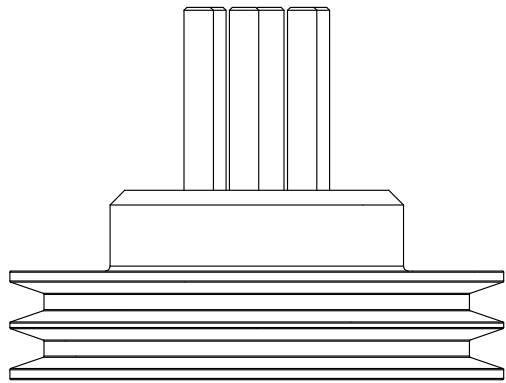
SIZE D DWG NO KCB84094 REV 1

| | | | |
|-----------------------------|---|-----------|-----|
| 1 | REVISED NOTE & TITLE | 6/26/2017 | JRR |
| 0 | RELEASED TO PRODUCTION | 9/9/2013 | JRR |
| REV | DESCRIPTION | DATE | BY |
| 1 | THIS DRAWING CONTAINS PROPRIETARY CONFIDENTIAL INFORMATION OWNED BY TRANSARCTIC CANADA INC. THE DOCUMENT AND THE INFORMATION IT IS NOT TO BE USED, DISCLOSED OR REPRODUCED WITHOUT EXPRESS WRITTEN PERMISSION OF THE COMPANY. | | |
| UNSPECIFIED TOLERANCES: | MM (INCH) | FRONT | |
| ONE DECIMAL PLACE (.X) | 30 | DRILL | |
| TWO DECIMAL PLACES (.XX) | 100 | THREADS | |
| THREE DECIMAL PLACES (.XXX) | 1000 | OTHER | |
| FRACTIONAL (1/16") | 100 | ANGULAR | |



DRAWING UNIT OF MEASURE: MM (INCH)

SCALE: 1:3 SHEET 1 OF 1



ISOMETRIC VIEW

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) WEIGHT: 13.24 LB

| ITEM | QTY | U/M | PART NUMBER | DESCRIPTION |
|------|-----|------|-------------|---|
| 3 | 6 | EACH | WFS12002 | WASHER, FLAT, HDN, 12mm, STL, BLK |
| 2 | 1 | EACH | PUL67222 | PULLEY, CRANK, ADD-ON, ISB, 5.7L, 2B/IX '07 |
| 1 | 6 | EACH | CSS12090 | CAPSCREW, SH, 12 x 1.25 x 90mm, 12.9, FLT |

TRANSARCTIC INC.

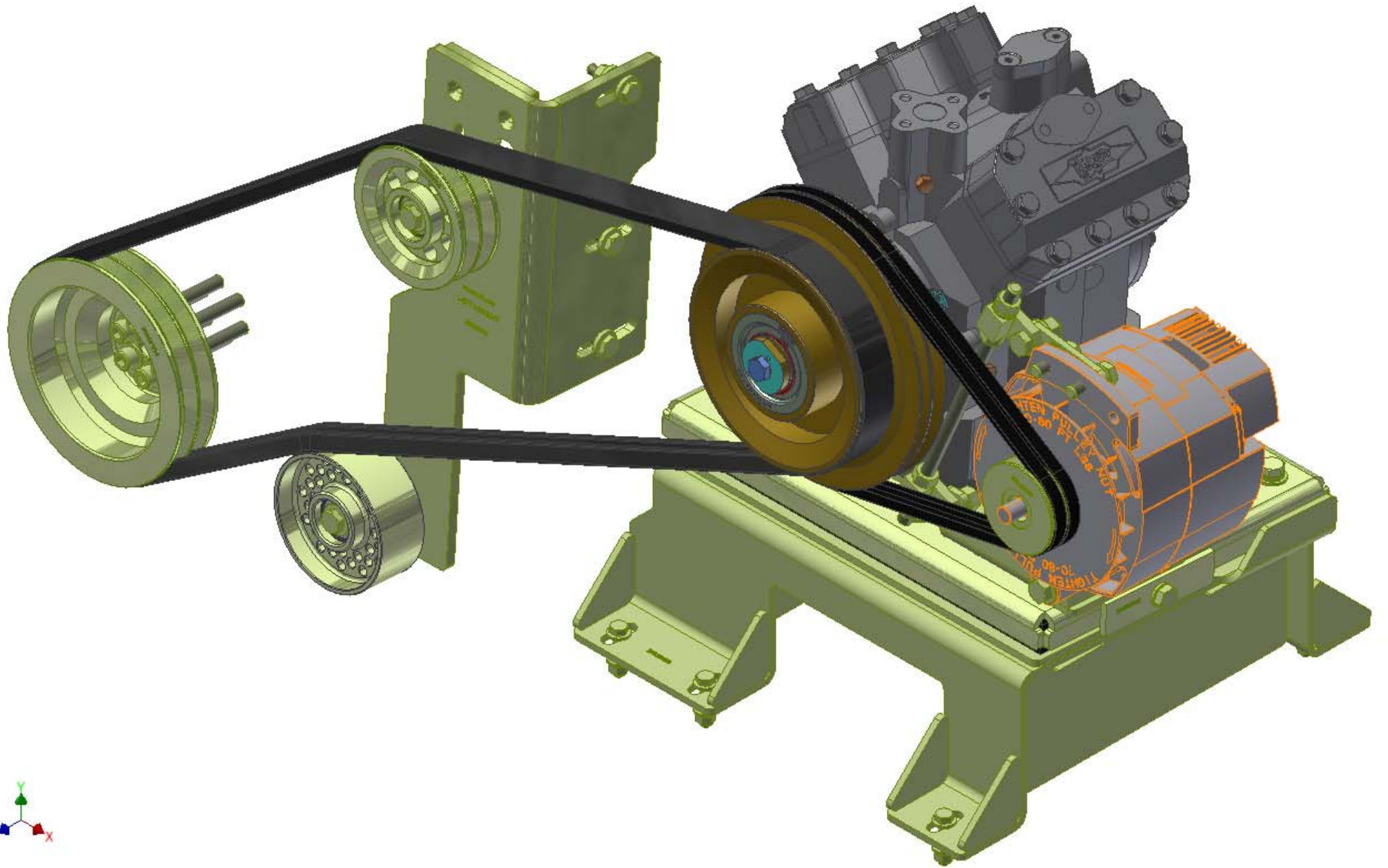
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|-----|------------------------|------------|---------------|
| U | RELEASED TO PRODUCTION | 11/6/2013 | JRR |
| REV | DESCRIPTION | DATE | BY |
| 1 | | 11/6/2013 | Val Jakowlew |
| 2 | | 10/21/2008 | James Stewart |
| 3 | | 11/6/2013 | Ron Ingram |
| 4 | | 11/6/2013 | Dale Mason |

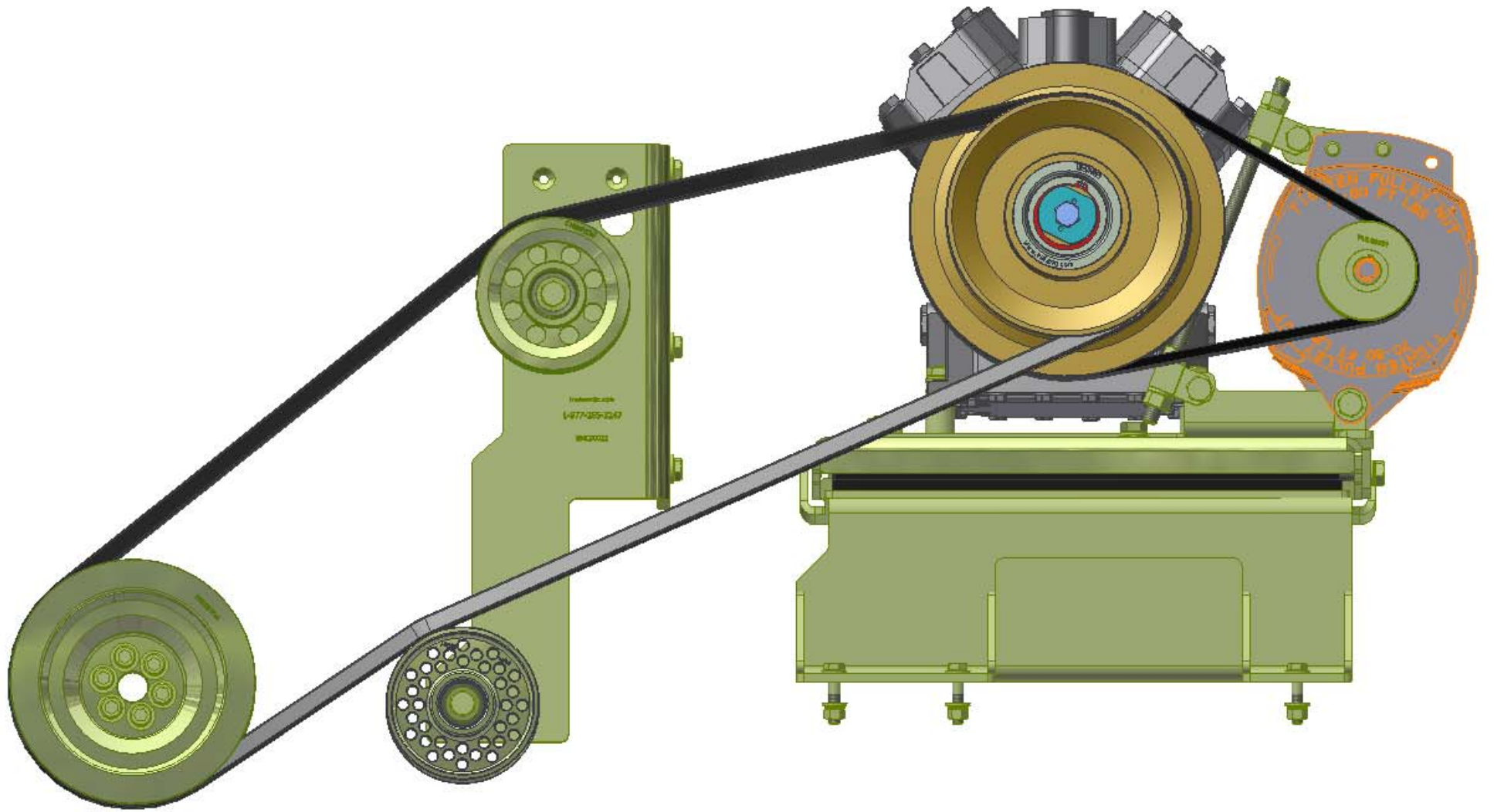
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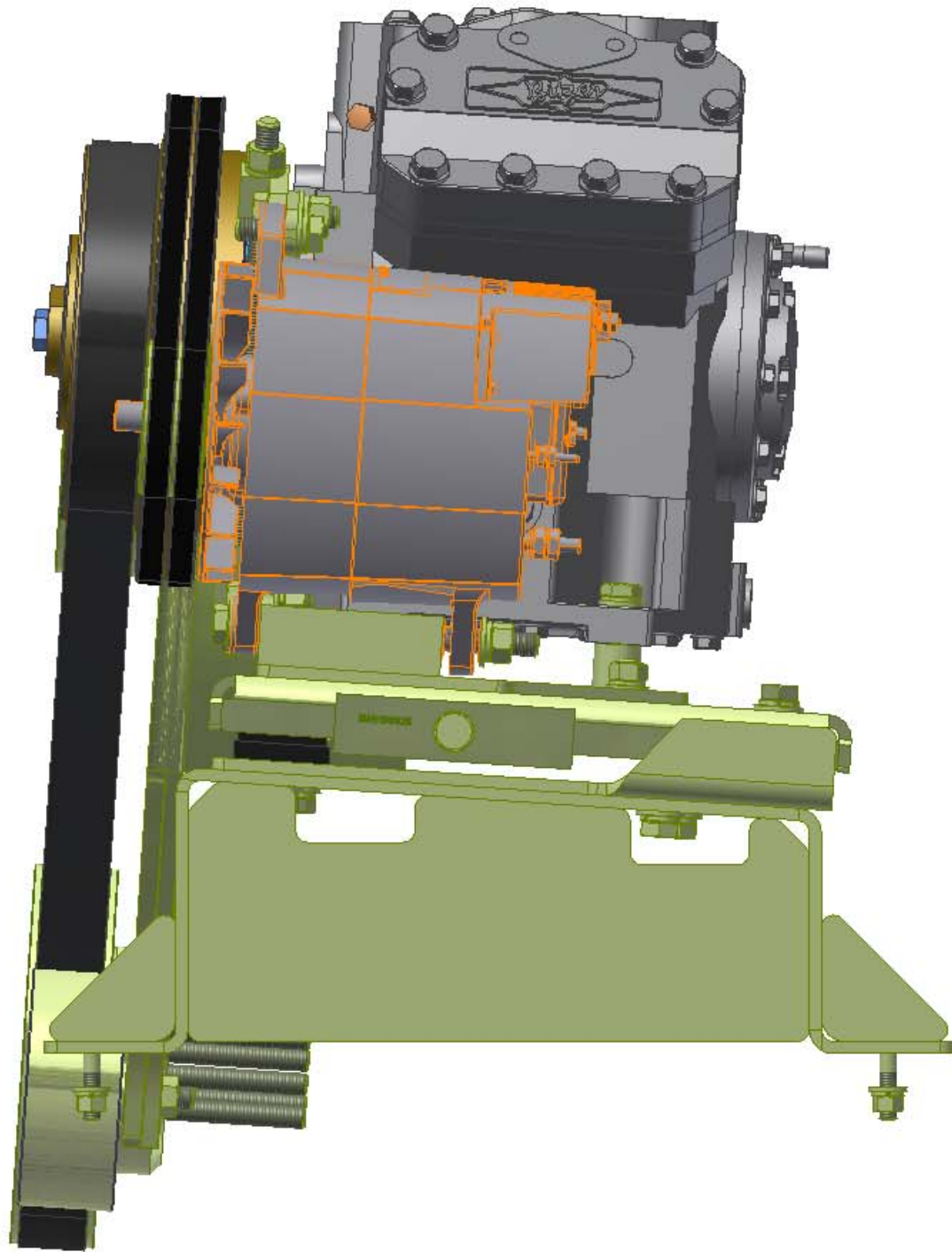
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|-------------------------|-----|-------|--------|
| UNSPECIFIED TOLERANCES: | | | |
| ONE DECIMAL PLACE | (X) | 0.1 | (MM) |
| TWO DECIMAL PLACE | (X) | 0.05 | (MM) |
| THREE DECIMAL PLACE | (X) | 0.025 | (MM) |
| FRACTIONAL (1/16") | (X) | 0.005 | (INCH) |

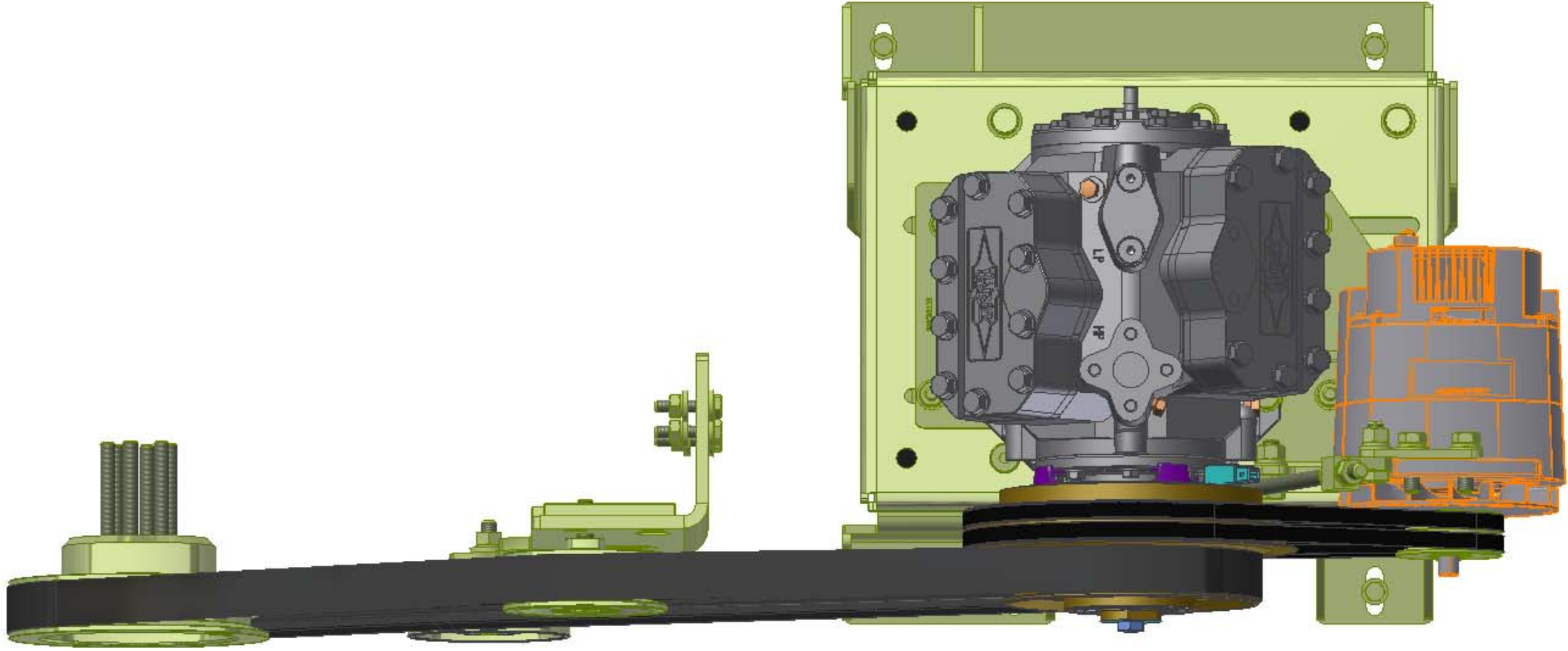


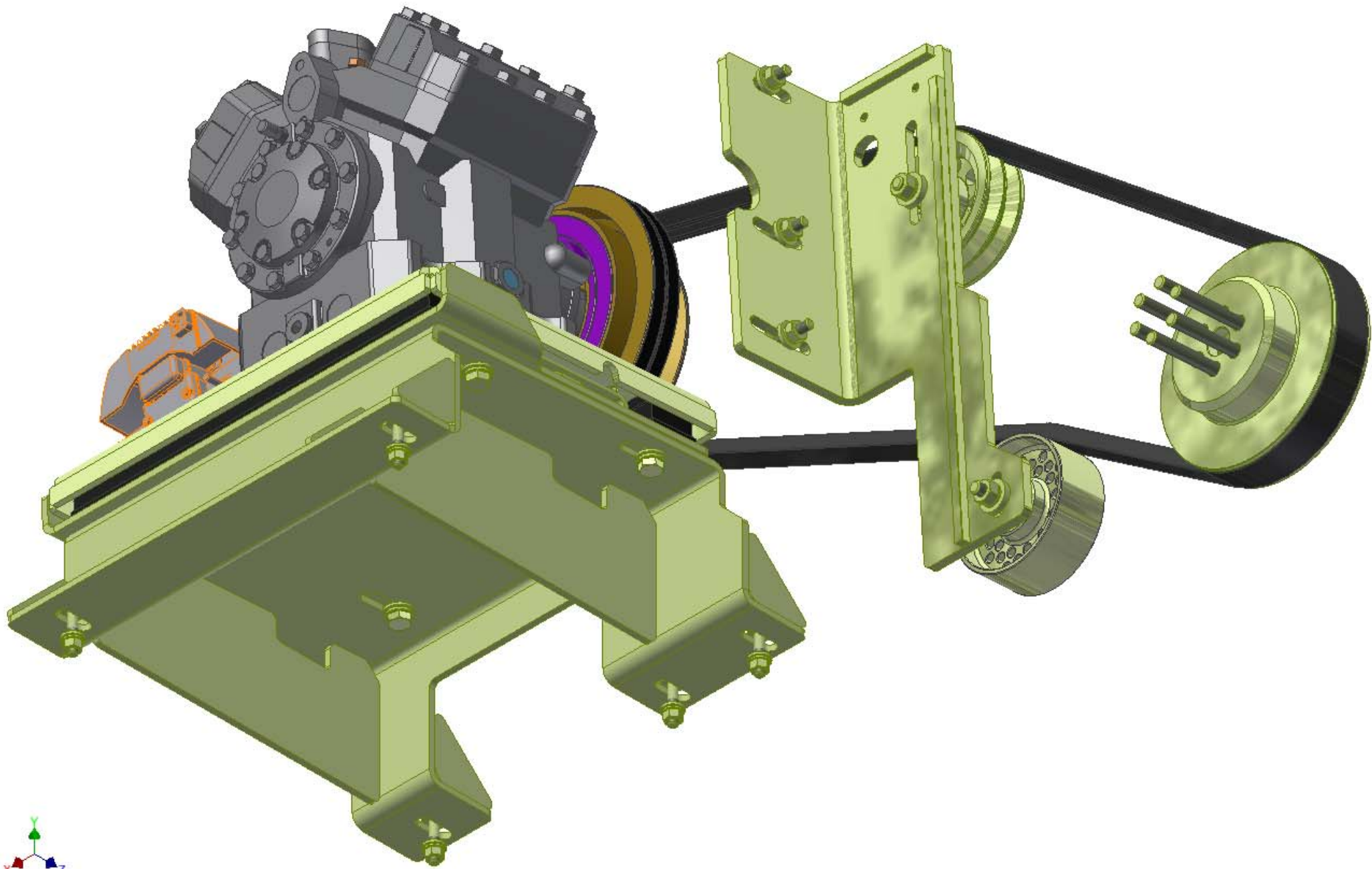
| | | | |
|----------|----------------|----------------------------|----------|
| DRAWN | Jose Rodriguez | 11/6/2013 | |
| CHECKED | Val Jakowlew | 11/6/2013 | |
| APPROVED | Ron Ingram | 11/6/2013 | |
| DATE | Dale Mason | 11/6/2013 | |
| TITLE | | KIT, PULLEY, 2B, ISB, 1013 | |
| SIZE | D | DWG NO | KPC64094 |
| SCALE | 1:1 | SHEET | 1 OF 1 |











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.

Asegure 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