

Bill of Materials Listing

TransArctic Canada Inc.

8/19/2015
Page 1 of 1

| Product Number | Description | Date | Weight | Uof M | Yield |
|----------------------|---|-----------------|---------------|-------|----------|
| Line Component Prod# | Description | Bin Unit | Qty | | |
| KMC83990 | Mt Kit, XBR-ISC, 4xFCY, 2B, 8" Crank,'12 | 02/28/12 | 177.69 | | 0 |
| 5 PAC39120 | Pack, Tray, 38.5" x 12.38" x 3", 23B ECT | each | 1 | | |
| 7 PAC39130 | Pack, Carton, 39" x 13" x 13", 51 ECT | each | 1 | | |
| 10 BEL32311 | Belt, Banded B gr, 2311mm (91")(RBX88-2) | each | 1 | | |
| 20 BMC83080 | Bkt, Main, Frt PI, XBR-ISC | each | 1 | | |
| 30 BMC83081 | Bkt, Main, RR PI, XBR-ISC | each | 1 | | |
| 40 BMC83082 | Bkt, Main, Alt PI, XBR-ISC | each | 1 | | |
| 50 BMC83083 | Bkt, Main, Idler, XBR-ISC | each | 1 | | |
| 60 BMC83087 | Bkt, Dampner, Weldm't, XBR-ISC | each | 1 | | |
| 70 BMC83090 | Bkt, PI, Coolant, XBR-ISC | each | 1 | | |
| 75 BMC83091 | Bkt, Cradle, Alt, XBR-ISC | each | 1 | | |
| 80 BMN80008 | Vibration Isolator, Bar,16.50 x 2 x 1.50 | each | 2 | | |
| 90 BMN80009 | Bkt, Main, Base PI, IC, RE300 | each | 1 | | |
| 100 BMN80025 | Bkt, Back, PL, Slide, IC, RE300 | each | 1 | | |
| 110 KBT83990 | Kit, Platform, 4xFCY, '12 | each | 1 | | |
| 120 PUL80074 | Pulley, Idler, B/S, Wide, 76d (89102) | each | 2 | | |
| 130 PUL83004 | Pulley, Crank, ISC, 8.3L, 2B/X, 8", '08 | each | 1 | | |
| 140 SCD09510 | Spacer, Col, Drl, 9.53mm x 25.4o x10.32i | each | 1 | | |
| 150 SCD65110 | Spacer, Chmr, Drl, 61.6mm x 34.9o x10.32i | each | 1 | | |
| 160 SLV17010 | Sleeve, Pulley, 16.9o x 22.23mm x 10.32i | each | 2 | | |
| 170 KBC82491 | Bag Kit, Fasteners, KMC82491/3990 | each | 1 | | |

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Page 1 of 1

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|-----------------|-----------------|--|-----|-----------------|-------------|-------|----------|
| Line | Component Prod# | Description | | Unit | Qty | | |
| KBC82491 | | Bag Kit, Fasteners, KMC82491/3990 | | 03/11/11 | 5.30 | | 0 |
| 10 | BTC10035 | Bolt, Hex, 10 x 1.5 x 35mm, 10.9, Plt,FT | | each | 7 | | |
| 20 | BTC10040 | Bolt, Hex, 10 x 1.5 x 40mm, 10.9, Plt,FT | | each | 4 | | |
| 30 | BTC10065 | Bolt, Hex, 10 x 1.5 x 65mm, 10.9, Plt,FT | | each | 1 | | |
| 40 | BTC10120 | Bolt, Hex, 10 x 1.5 x 120mm, 10.9, Plt | | each | 1 | | |
| 50 | BTC12060 | Bolt, Hex, 12 x 1.75 x 60mm, 10.9,Plt,FT | | each | 4 | | |
| 60 | BTQ08126 | Bolt, Hex, 1/2-20unf, 1.25", 8, Plt | | each | 9 | | |
| 80 | BTQ08151 | Bolt, Hex, 1/2-20unf, 1.5", 8, Plt | | each | 3 | | |
| 90 | BTQ08200 | Bolt, Hex, 1/2-13unc, 2.0", 8, Plt | | each | 6 | | |
| 105 | BTP08653 | Bolt, Hex, 1/2-13unc, 6.5", 5, Plt, FT | | each | 1 | | |
| 110 | NTA10000 | Nut, Hex, 10 x 1.5, 8.8, Plt | | each | 9 | | |
| 120 | NTP08000 | Nut, Hex, 1/2-13unc, 5, Plt | | each | 4 | | |
| 130 | WFA10000 | Washer, Flat, 10mm, 8.8, Plt | | each | 11 | | |
| 135 | WFA10002 | Washer, Flat, 10mm, Hvy, 8.8, Plt | | each | 2 | | |
| 140 | WFQ08000 | Washer, Flat, 1/2", 8, Plt | | each | 20 | | |
| 150 | WLA10000 | Washer, Lock, 10mm, 8.8, Plt | | each | 13 | | |
| 170 | WLQ08000 | Washer, Lock, 1/2", 8, Plt | | each | 17 | | |

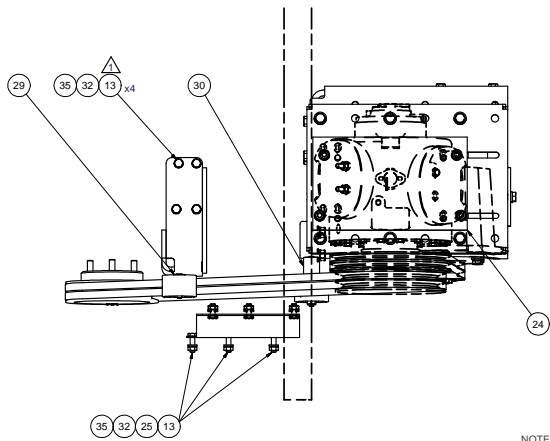
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TransArctic Canada Inc.

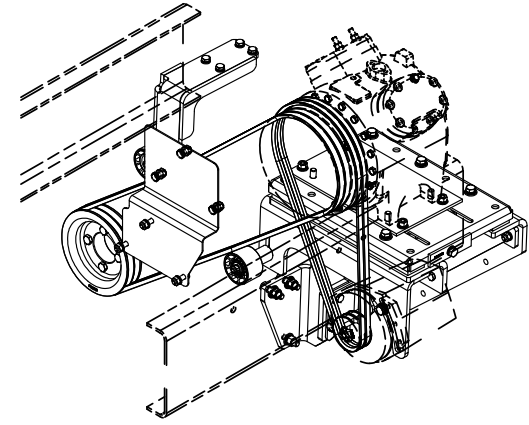
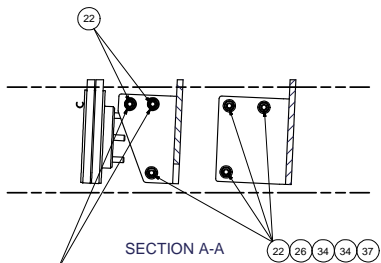
8/19/2015
Page 1 of 1

| Product Number | Description | | Date | Weight | Uof M | Yield |
|----------------------------|--|-----|-----------------|--------------|-------|----------|
| Line Component Prod# | Description | Bin | Unit | Qty | | |
| KBT83990 | Kit, Platform, 4xFCY, '12 | | 02/17/09 | 15.25 | | 0 |
| 10 BMN80031 | Bkt, Main, Slide, Assy, 05K, IC, RE300 | | each | 1 | | |
| 20 BMZ00036 | Bkt, Adaptor, Weld't, 4xFCY | | each | 1 | | |
| 30 KBZ00010 | Bag Kit, Fasteners, KBT84094/83990 | | each | 1 | | |

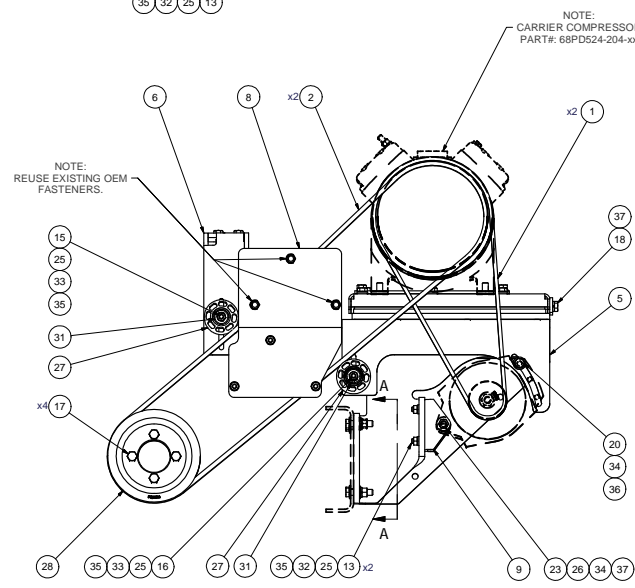
8 7 6 5 4 3 2 1



NOTE:
REUSE EXISTING OEM WASHERS,
LOCK WASHERS AND NUT.

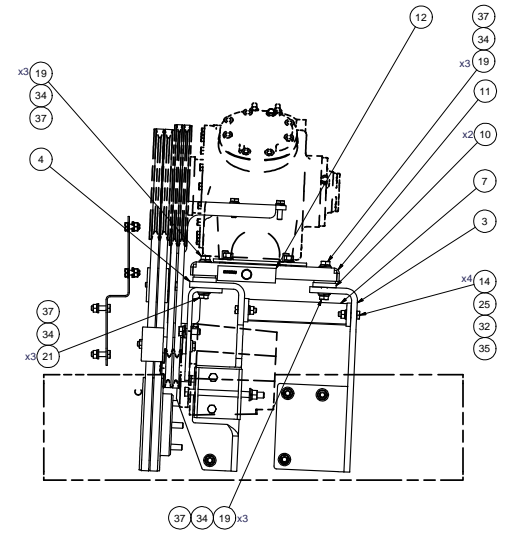


ISOMETRIC VIEW



NOTE:
REUSE EXISTING OEM
FASTENERS.

NOTE:
CARRIER COMPRESSOR
PART#: 68PD524-204-xx



KBT83990

BEL32311

BX88-2

| | | | | |
|----|----|------|---------------------|---|
| 37 | 18 | EACH | WLO08000 | WASHER, LOCK, 1/2", 8, PLT |
| 36 | 1 | EACH | WLP08000 | WASHER, LOCK, 1/2", 5, PLT |
| 35 | 15 | EACH | WLA10000 | WASHER, LOCK, 10mm, 8, 8, PLT |
| 34 | 22 | EACH | WFO08000 | WASHER, FLAT, 1/2", 8, PLT |
| 33 | 2 | EACH | WFA10002 | WASHER, FLAT, 10mm, HVY, 8, 8, PLT |
| 32 | 13 | EACH | WFA10000 | WASHER, FLAT, 10mm, 8, 8, PLT |
| 31 | 2 | EACH | SLV17010 | SLEEVE, PULLEY, 16.90 x 22.23mm x 10.32i |
| 30 | 1 | EACH | SCD65110 | SPACER, COL, DRL, 65.1mm x 34.90 x 10.32i |
| 29 | 1 | EACH | SCD09510 | SPACER, COL, DRL, 9.53mm x 25.40 x 10.32i |
| 28 | 1 | EACH | PUL83004 | PULLEY, CRANK, ISC, 8.3L, 2B/X, 8", '08 |
| 27 | 2 | EACH | PUL80074 | PULLEY, IDLER, BACKSIDE, PH, 74D, 46.27W |
| 26 | 5 | EACH | NTP08000 | NUT, HEX, 1/2-13UNC, 5, PLT |
| 25 | 11 | EACH | NTA10000 | NUT, HEX, 10 x 1.5, 8, 8, PLT |
| 24 | 1 | EACH | MTC83990 | MT KIT, TRANSIT, '07 |
| 23 | 1 | EACH | BTO08653 | BOLT, HEX, 1/2-13UNC x 6.50, 8, PLT |
| 22 | 6 | EACH | BTO08200 | BOLT, HEX, 1/2-13UNC x 2.00, 8, PLT |
| 21 | 3 | EACH | BTO08151 | BOLT, HEX, 1/2-20UNF x 1.50, 8, PLT |
| 20 | 1 | EACH | BTO08150 | BOLT, HEX, 1/2-13UNC x 1.50, 8, PLT |
| 19 | 9 | EACH | BTO08126 | BOLT, HEX, 1/2-20UNF x 1.25, 8, PLT |
| 18 | 1 | EACH | BTP08653 | BOLT, HEX, 1/2-13UNC x 6.50, 5, PLT, FT |
| 17 | 4 | EACH | BTC12060 | BOLT, HEX, 12 x 1.75 x 60mm, 10.9, PLT |
| 16 | 1 | EACH | BTC10120 | BOLT, HEX, 10 x 1.5 x 120mm, 10.9, PLT |
| 15 | 1 | EACH | BTC10065 | BOLT, HEX, 10 x 1.5 x 65mm, 10.9, PLT |
| 14 | 4 | EACH | BTC10040 | BOLT, HEX, 10 x 1.5 x 40mm, 10.9, PLT |
| 13 | 9 | EACH | BTC10035 | BOLT, HEX, 10 x 1.5 x 35mm, 10.9, PLT |
| 12 | 1 | EACH | BMNS0025 | BKT, BACK, PL, SLIDE, IC, RE300 |
| 11 | 1 | EACH | BMNS0009 | BKT, MAIN, BASE, PL, IC, RE300 |
| 10 | 2 | EACH | BMNS0008 | VIBRATION ISOLATOR, BAR, 16.50 x 2 x 1.50 |
| 9 | 1 | EACH | BMC83091 | BKT, CRADLE, ALT., XBR-ISC |
| 8 | 1 | EACH | BMC83090 | BKT, PL, COOLANT, XBR-ISC |
| 7 | 1 | EACH | BMC83087 | BKT, DAMPNER, WELDM'T, XBR-ISC |
| 6 | 1 | EACH | BMC83083 | BKT, MAIN, IDLER, XBR-ISC |
| 5 | 1 | EACH | BMC83082 | BKT, MAIN, ALT PL, XBR-ISC |
| 4 | 1 | EACH | BMC83081 | BKT, MAIN, RR PL, XBR-ISC |
| 3 | 1 | EACH | BMC83080 | BKT, MAIN, FRT PL, XBR-ISC |
| 2 | 2 | EACH | BEL32311 | BELT, B GR, 2311mm (91") (B808) |
| 1 | 1 | EACH | BEL32311 | BELT, A GR, 1440mm (56.69") (B366) |

| ITEM | | QTY | U/M | PART NUMBER | DESCRIPTION |
|--|--|-----|-----|-------------|-------------|
| BILL OF MATERIALS | | | | | |
| DRAWN: jrodriguez 3/17/2011 | | | | | |
| CHECKED: Val Jakowlew 3/17/2011 | | | | | |
| TITLE: MT KIT, XBR-ISC, 05K, 2B, 8" CRANK, '10 | | | | | |
| DESIGNED: James Stewart 3/17/2011 | | | | | |
| APPROVED: Ron Ingram 3/17/2011 | | | | | |
| DATE: Dale Mason 3/17/2011 | | | | | |
| SIZE: D | | | | | |
| SCALE: 3:16 | | | | | |
| SHEET 1 OF 1 | | | | | |

NOTES:
1) USE SERVICABLE THREADLOCKER ON ALL FASTENERS TO ENGINE COMPONENTS AND TORQUE ALL BOLTS TO S.A.E. SPECIFICATIONS.
2) SEE "TRANSARTIC A/C COMPRESSOR MOUNT INSTALLATION DISCLAIMER".

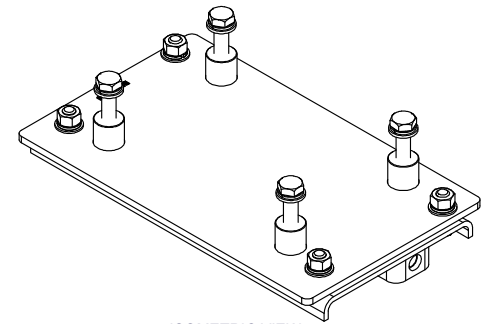
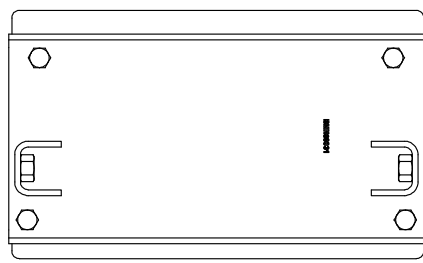
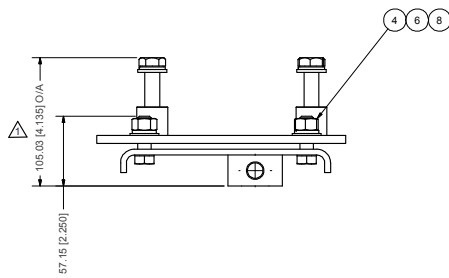
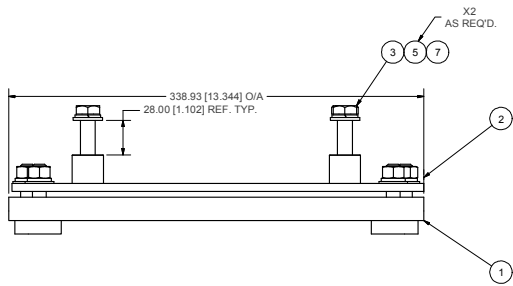
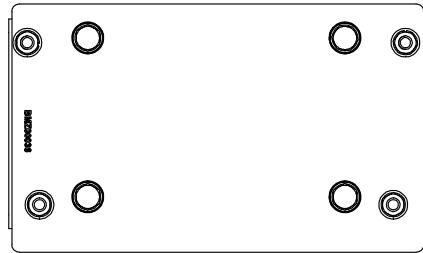
| | |
|------------------------------------|----------------|
| UNSPECIFIED TOLERANCES: | MM (INCH) |
| ONE DECIMAL PLACE (.X) (0.005) | FRONT |
| TWO DECIMAL PLACE (.XX) (0.025) | GENERAL |
| THREE DECIMAL PLACE (.XXX) (0.010) | FINISH |
| FRACTIONAL (1/16") (0.0625) | ANGULAR (1/2°) |



DRAWING UNIT OF MEASURE: MM (INCH)

KMC83990-MUP

08/19/15_VAL



ISOMETRIC VIEW

- NOTES:**
- 1) USE SERVICABLE THREADLOCKER ON ALL FASTENERS TO ENGINE COMPONENTS AND TORQUE **ALL** BOLTS TO S.A.E. SPECIFICATIONS.
 - 2) SEE "TRANSARTIC A/C COMPRESSOR MOUNT INSTALLATION DISCLAIMER".
 - 3) WEIGHT: 15.17 LBS.

| ITEM | QTY | U/M | PART NUMBER | DESCRIPTION |
|------|-----|------|-------------|--|
| 8 | 4 | EACH | WLP07000 | WASHER, LOCK, 7/16", 5, PLT |
| 7 | 4 | EACH | WLA12000 | WASHER, LOCK, 12mm, 8.8, PLT |
| 6 | 4 | EACH | WFN07000 | WASHER, FLAT, 7/16", 2, PLT |
| 5 | 8 | EACH | WFA12000 | WASHER, FLAT, 12mm, 8.8, PLT |
| 4 | 4 | EACH | NTP07000 | NUT, HEX, 7/16-14UNC, 5, PLT |
| 3 | 4 | EACH | BTC12060 | BOLT, HEX, 12 x 1.75 x 60mm, 10.9, PLT |
| 2 | 1 | EACH | BM200036 | BKT, ADAPTER, WELD'T, 4xFCY |
| 1 | 1 | EACH | BMN80031 | BKT, MAIN, SLIDE, ASSY, 05K, IC, RE300 |

TRANSARTIC INC.

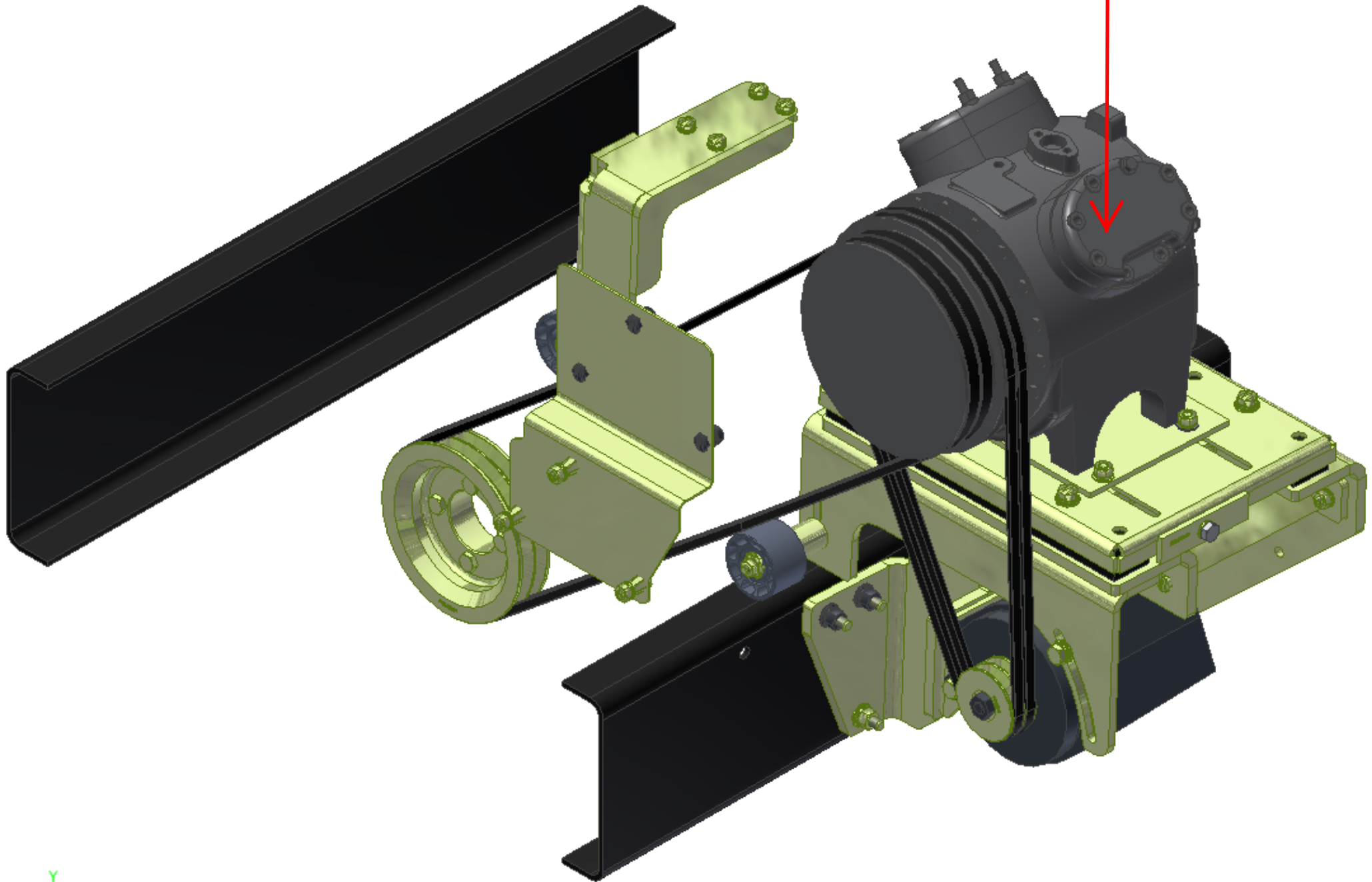
| | | | | |
|-----|-----------------------------|-------------|------|---------------|
| 0 | O/A WAS 96.0mm, BOM UPDATED | 4/24/2013 | JHP | |
| 0 | RELEASED TO PRODUCTION | 3/14/2012 | VAL | |
| REV | ECN | DESCRIPTION | DATE | BY |
| | | | | James Stewart |
| | | | | Ron Ingram |
| | | | | Dale Mason |

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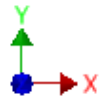
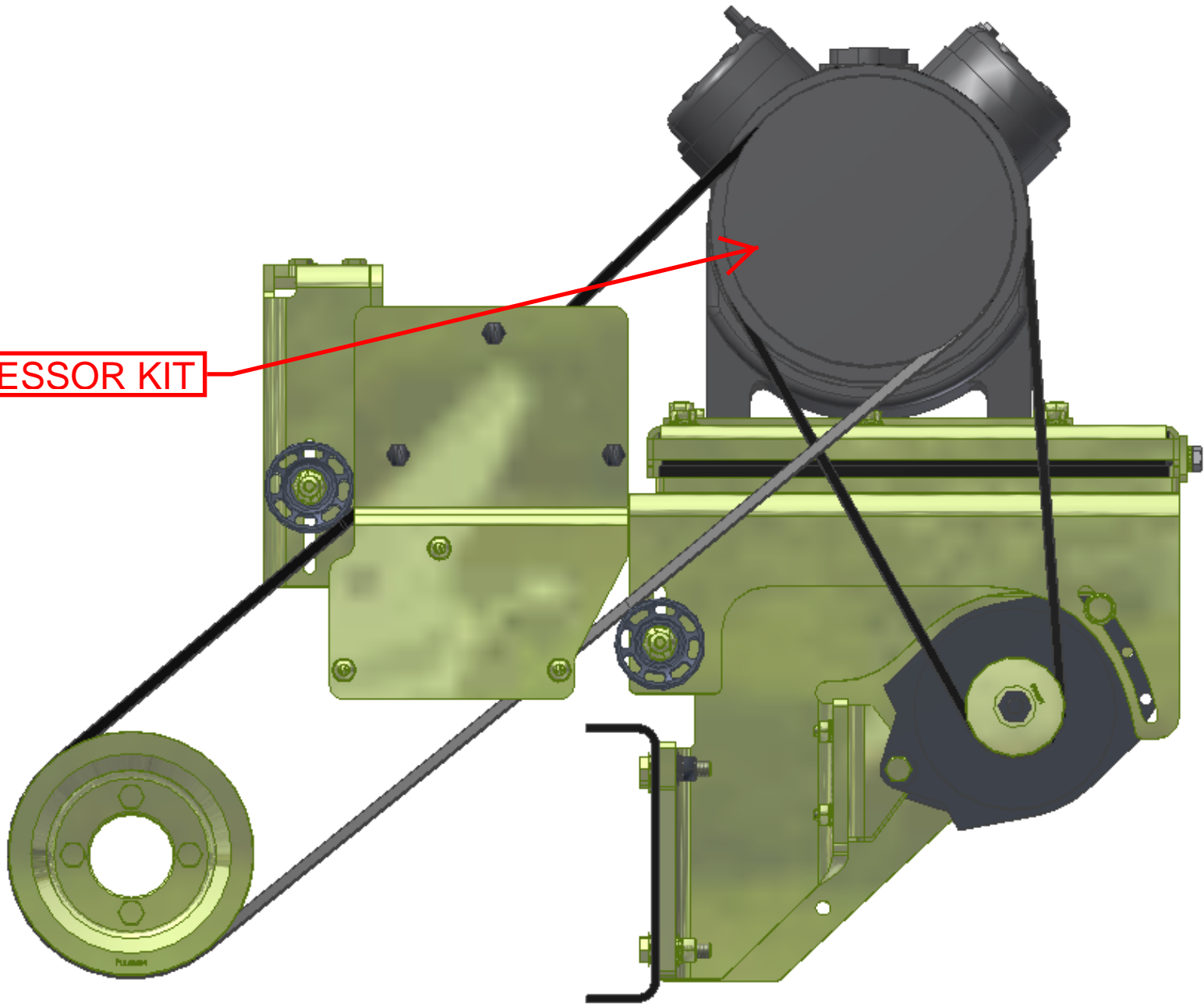
UNSPECIFIED TOLERANCES: (ALL DIM)
 ONE DECIMAL PLACE (10) .10
 TWO DECIMAL PLACE (20) .02
 FRACTIONAL (1/32) 1/32

| | | | | |
|-------------------------|--|-----------|-----------------------------|----------|
| DRAWN | | 3/13/2012 | TITLE | |
| CHECKED | | | MT KIT, TRANSIT, 4xFCY, '12 | |
| DATE | | 3/13/2012 | SIZE | DWG NO |
| APPROVED | | | D | KBT83990 |
| DATE | | 3/13/2012 | SCALE | 1:2 |
| DRAWING UNIT OF MEASURE | | MM (INCH) | SHEET | 1 OF 1 |
| REV | | | 1 | |

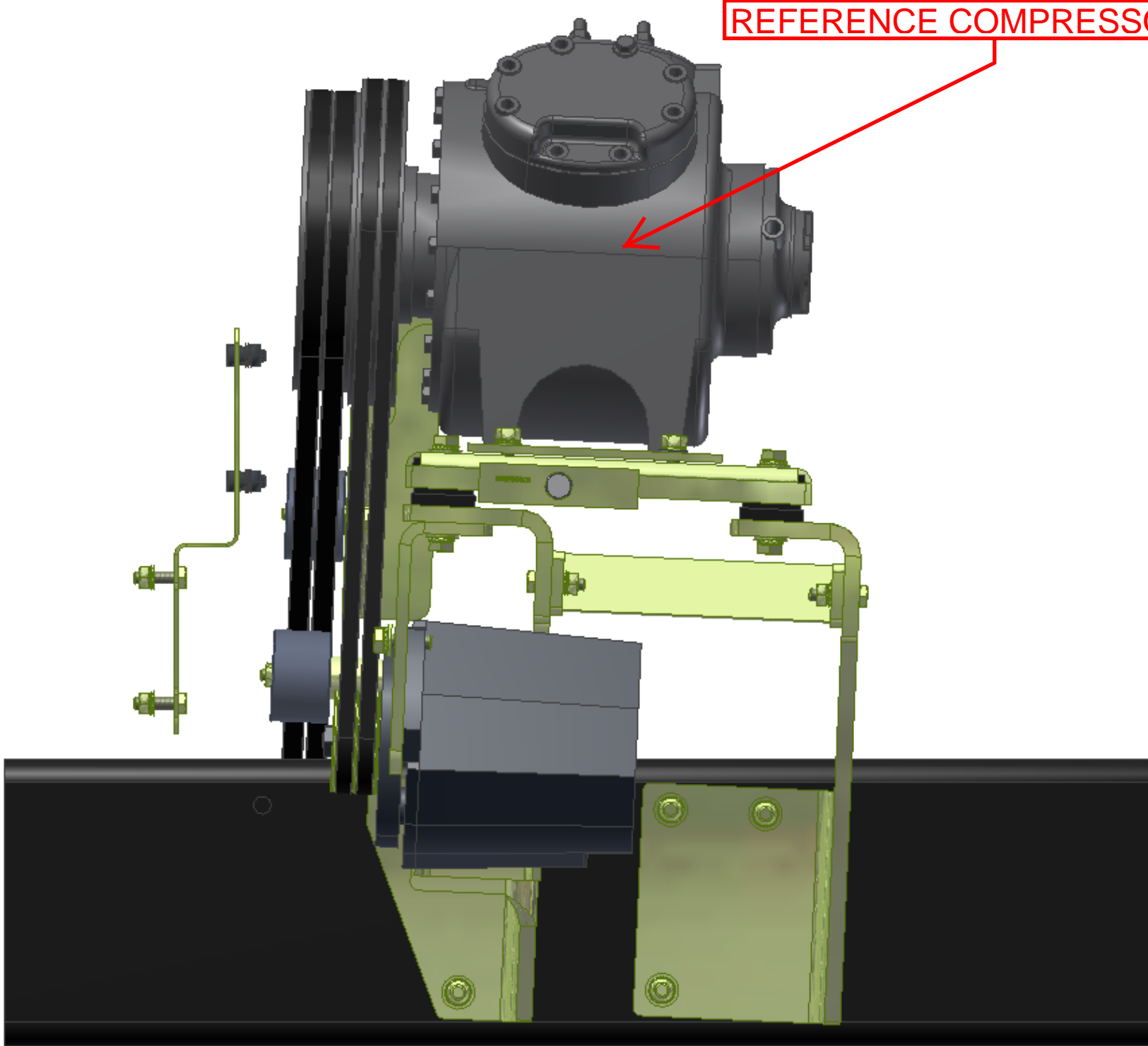
REFERENCE COMPRESSOR KIT



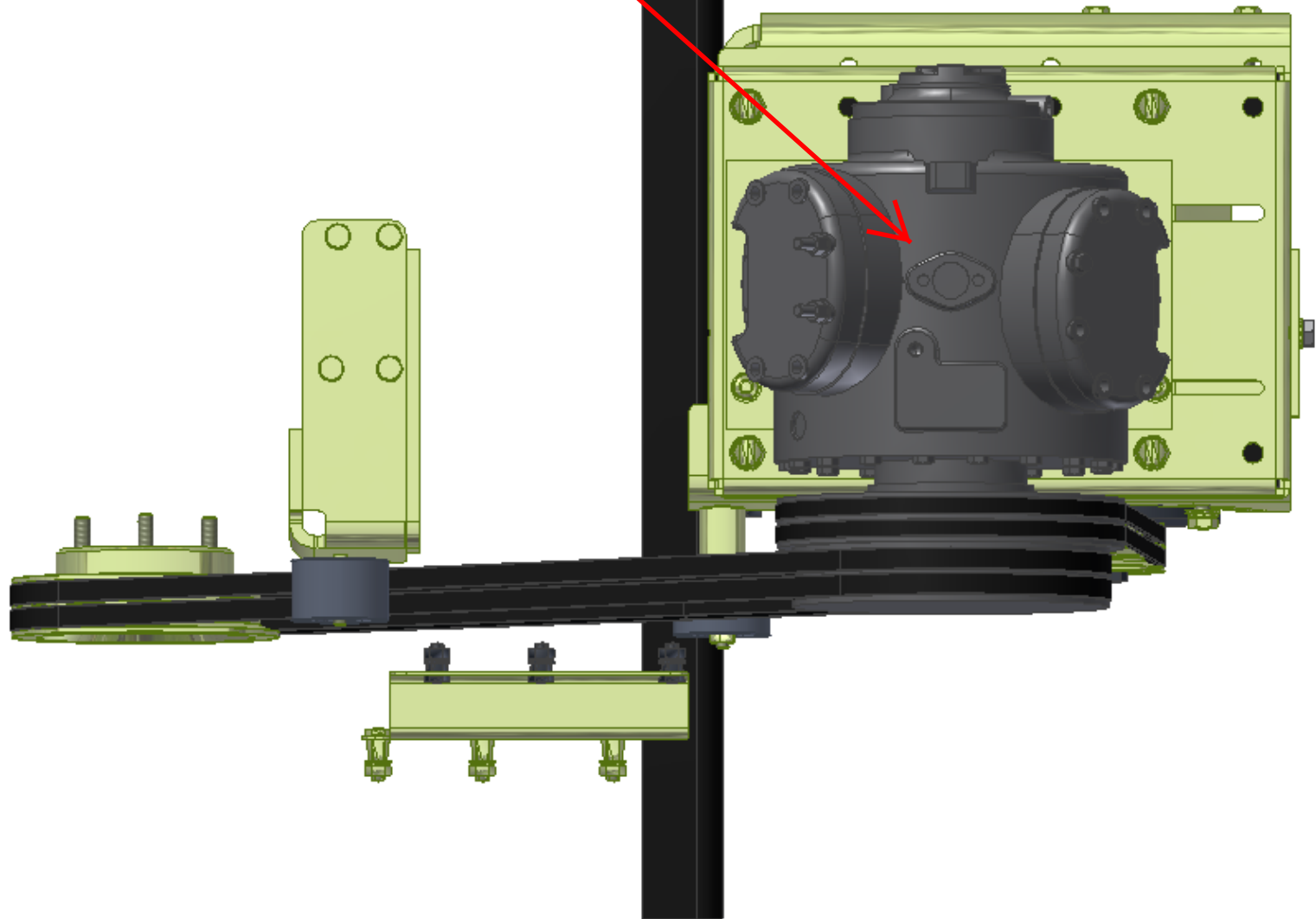
REFERENCE COMPRESSOR KIT



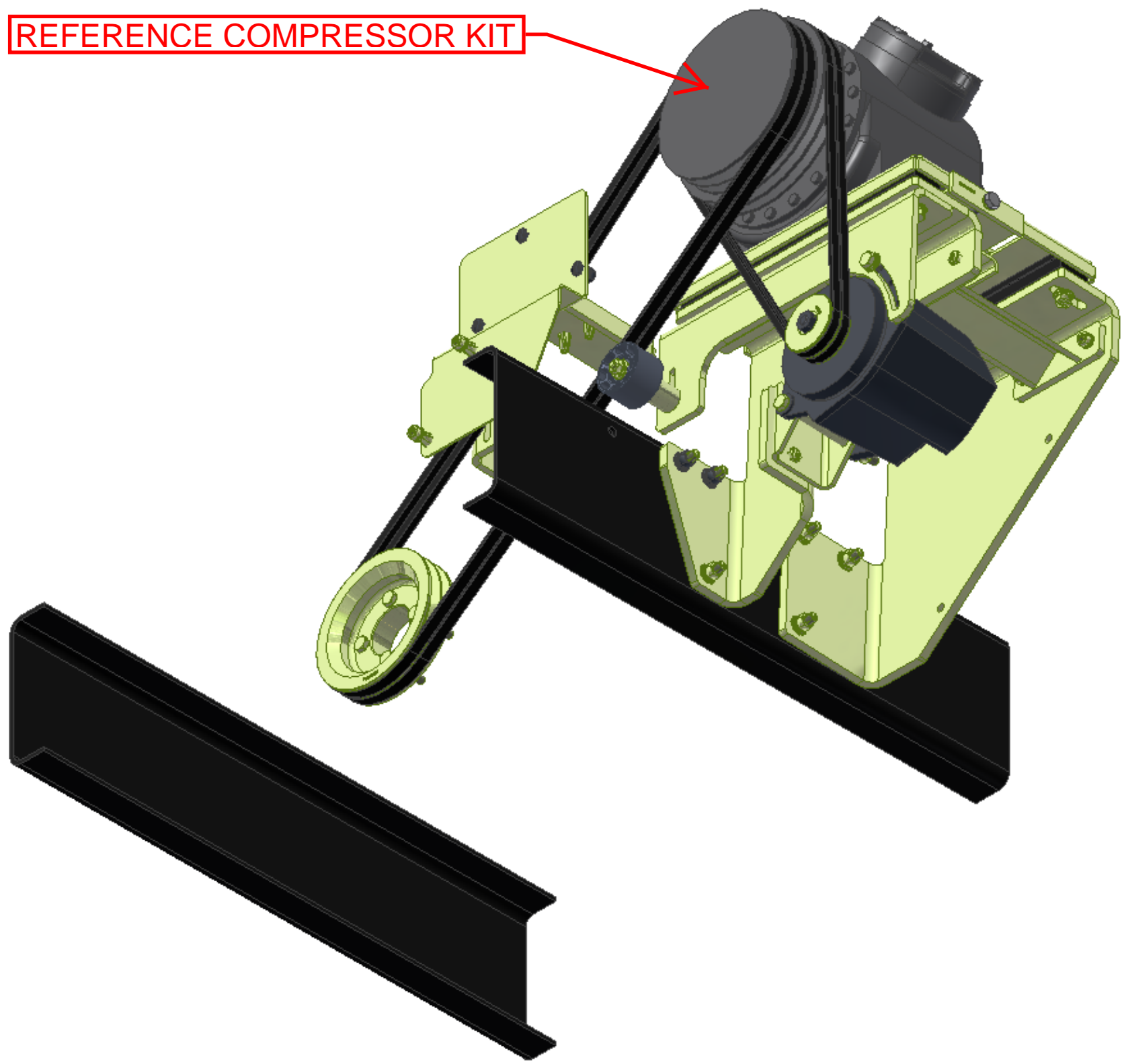
REFERENCE COMPRESSOR KIT



REFERENCE COMPRESSOR KIT



REFERENCE COMPRESSOR KIT



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