Welcome to the Kenway Compressor Mount Installation Instructions:

How To Use:

The instructions are broken down into three downloads. Each download is between 5MB and 15 MB and contain several installation instructions. The downloaded files are in a PDF format.

To navigate around in the files use the PDF viewer programs “search” tool. Useful search terms are the type of engine or model of the machine. If you do not have PDF viewer software installed on your device many are available free on the internet.

Over the years, engine model names change with little or no change to the engine. Also, the engine model designation might change when used by an equipment manufacturer.

For example: Cummins 4B3.9 can be called 410/ 410T/ 4B/ 4BTA/ 240/ 239T/ 4D102-1/ 4D102E-1. A collection of these aliases are provided as “reference only” purposes at the beginning of each collection. Some but not all OEMs re-labeled alias are included.

In the Kenway part numbering system, compressor mounting kit always starts with “16” followed by an acronym for the engine manufacturer or the machine manufacturer. In the description below “16-CU-003” is the entire Kenway kit number. The “CU” is an acronym for “Cummins”. After a brief kit description another four acronyms appear. The table below describes their purpose. In most instances this is followed by the engine or machine model to which the kit was designed.

Example:

16-CU-003 MOUNT KIT INSTALLATION, AO FN UL S44

Acronym: 1  2  3  4

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<td>FN Fan Drive</td>
<td>UL Upper Left</td>
<td>S44 2AG; 4L4L</td>
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<td>VP</td>
<td>Vacant on engine</td>
<td>AU Auxiliary Drive</td>
<td>LR Lower Right</td>
<td>S45 2AB;4L5L;5/8” machined back groove</td>
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<td>CK Crank Drive</td>
<td>ML Middle Left</td>
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NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
Notes: Unless otherwise noted the compressor used in the kit are Sanden style ear mount compressors. The standard size is equivalent to SD508/SD5H14/SD7H15 but a few may use SD505/SD5H09 or others. Please consult with the Kenway application catalog or Kenway Sales for additional information.

Disclaimers:

- All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
- Some kits may require the installer to purchase additional parts from the engine or machine manufacturer. This information may or may not be available on the instruction. Please check with Kenway Sales.
- Not all mount kits will be available to purchase and some mounts are non-returnable or returnable with large restocking fees. Please check with sales.
Cummins Compressor Mounts

Notes:
- Kenway Engineering, Inc. has hundreds of compressor mounting kits for many engine makes and for numerous off-highway machines. These kits can include mounting hardware, drive pulleys, and belts.
- Contact Kenway Engineering, Inc. with your application for pricing and availability.
- The above sampling of brackets are designed for use with Sanden SD5/7 or comparable Zexel ear mount compressor.
- Many other designs for Cummins engines are also available.
## CUMMINS ENGINE ALIAS

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9/13/2012
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**CUMMINS LT10**

**CUMMINS KT17**

**YANMAR**
1. Remove the engine side covers and locate the three tapped holes on the left-hand side above the injector pump.
2. Bolt the compressor mount bracket (#1) to the three tapped holes using the three M10 x 1.5 x 20mm bolts with lockwashers.
3. Attach the compressor (#2) to the mount bracket using two M10 x 1.5 x 35mm bolts with nuts and lockwashers. The compressor ears will be to the front of the mount bracket ears.
4. Remove the fan and install the add-on pulley (#3) to the fan shaft, between the existing pulley and the fan using the original bolts. Place the compressor drive belt over the add-on pulley and then put the fan back together.
5. Using the bolt shown on the front of the injector pump housing, bolt the tightener bracket (#4) there and the slotted end of the tightener will go to the compressor ear. Place the belt around both pulleys and adjust the tension of the belt. (Note: If the fan shroud is in contact with the compressor, remove that area of the shroud to clear room for the compressor).

NOTE: All illustrations and specifications are not binding in detail, designs are subject to modifications and improvements where necessary.
16-CU-003

MOUNT KIT-INSTALLATION AO FN UT S44 6CT8.3

1. Bolt the mount bracket (#1) to the engine using the existing tapped holes next to the injector pump and bolts provided in the kit.
2. Install the add-on pulley (#2) between the fan and poly-v fan pulley.
3. Fasten the compressor (#3) to the compressor mount bracket using the M10 x 35mm bolts, lockwashers and nuts. Do not tighten at this time.
4. Connect the tightener bracket (#4) to the remaining ear on the mount bracket using a M10 x 35mm, lock-washer and nut.
5. Bolt the slotted end of the tightener to the ear on the compressor using the following hardware sequence: 5/16” bolt, flat washer, sleeve, flat washer lock washer, nut.
6. Place the drive belt around the new add-on pulley and the front groove of the compressor. Adjust the belt for proper tension. Tighten the bolts on the tightener bracket first and then tighten the metric bolts on the mount bracket.

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NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary. 16-CU-003.doc
MOUNT KIT-INSTALLATION AO FN UT S44 6CT8.3 W/40" BELT

1. Bolt the mount bracket (#1) to the engine using the existing tapped holes next to the injector pump and bolts provided in the kit.
2. Install the add-on pulley (#2) between the fan and poly-v fan pulley.
3. Fasten the compressor (#3) to the compressor mount bracket using the M10 x 35mm bolts, lockwashers and nuts. Do not tighten at this time.
4. Connect the tightener bracket (#4) to the remaining ear on the mount bracket using a M10 x 35mm, lock-washer and nut.
5. Bolt the slotted end of the tightener to the ear on the compressor using the following hardware sequence: 5/16" bolt, flat washer, sleeve, flat washer lock washer, nut.
6. Place the drive belt around the new add-on pulley and the front groove of the compressor. Adjust the belt for proper tension. Tighten the bolts on the tightener bracket first and then tighten the metric bolts on the mount bracket.

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NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-014

MOUNT KIT-INSTALLATION AO FN UT S44 6CT8.3

1. Bolt the mount bracket (#1) to the engine using the existing tapped holes next to the injector pump and bolts provided in the kit.
2. Install the add-on pulley (#2) between the fan and poly-v fan pulley.
3. Fasten the compressor (#3) to the compressor mount bracket using the M10 x 35mm bolts, lockwashers and nuts. **Do not tighten at this time.**
4. Connect the tightener bracket (#4) to the remaining ear on the mount bracket using a M10 x 35mm, lock-washer and nut.
5. Bolt the slotted end of the tightener to the ear on the compressor using the following hardware sequence: 5/16" bolt, flat washer, sleeve, flat washer lock washer, nut.
6. Place the drive belt around the new add-on pulley and the front groove of the compressor. Adjust the belt for proper tension. Tighten the bolts on the tightener bracket first and then tighten the metric bolts on the mount bracket.

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NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-017

MOUNT KIT-INSTALLATION AO FN UT S44 6CT8.3 W/48" BELT

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-019
MOUNT KIT-INSTALLATION VP AU ML S44 – CUMMINS M-11

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-020
MOUNT KIT-INSTALLATION VP FN UT S44 6CT8.3/ SA6D114E-1
KOMATSU PC300 THRU 350LC6 (EX)

1. Open the engine compartments doors and locate the air brake tube going to the turbo. There will be a brace fastened to the air intake tube with a u-bolt. Save the u-bolt and hardware. Remove the air intake tube brace per the four bolts and remove.

2. Mount the compressor bracket to the four holes where the air intake tube brace was just removed. Use the four M10 x 1.5 x 30mm bolts with lockwashers to fasten the compressor bracket. Tighten the bolts securely. Use the factory u-bolt that was just removed to fasten the air intake tube to the new compressor brackets as shown in diagram #1. Tighten the u-bolt securely.

3. Mount the compressor to the mount bracket using M10 X 35mm bolts as shown in diagram #2. Note: lock washer should be on painted bracket side.

4. Next mount the compressor ears to the tightener bracket as shown. Use the last two M10 x 1.5 x 35 mm bolts, lockwashers, flatwashers and nuts. Do not tighten at this time.

5. Place the drive belt over the vacant pulley and over the compressor. Tighten the belt for proper tensions and tighten all mounting hardware.

Special Note: Steps #1 & #2 are shown in diagram #1. Steps #3 through #5 are shown in diagram #2.

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-024

MOUNT KIT INSTALLATION, VP AU ML S44

Use on Cummins M11 w/ AD2031

Note: Mount hardware and belt not shown. Compressor not included

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-026

MOUNT KIT INSTALLATION, VP AU ML S44

Use on Cummins M11 w/ AD2031 (7.5” OD, 1 AG)

Note: Mount hardware and belt not shown. Compressor not included

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-032

MOUNT KIT-INSTALLATION PO AL UL S44 - CUMMINS 220

Used on KOMATSU D65E, D65E-6, D65P, D65P-6, D68E1, D75S-3, D85-12 (CW) W/855
and KAWASAKI KSS80, KSS85Z (WL) W/NH220C

SPECIAL NOTE:
Customer to supply & install the following factory parts

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*As always when ordering parts double check and make sure that the parts recommended apply to your machine.

INSTRUCTIONS:
1. Remove the engine lifting ring lug (2) and lay aside to be replaced later. Remove the front left hand valve cover bolt and discard.
2. Install the compressor mount bracket (5) on the same location as the lifting lug. Put the lifting lug over the mount bracket and fasten with the long bolts provided in the kit.
3. Install the compressor (1) to the mount bracket using the metric bolts with lockwashers and nuts in the kit.
4. Install the tightener bracket (6) to the remaining ear on the compressor mount bracket and then to an ear on the compressor.
5. Replace the alternator pulley with part# 6676-71-7050. Not supplied in kit.
6. Place the belt around the outside groove of the compressor and the outside groove on the alternator pulley.
7. Adjust the belt tensions and tighten all the bolts.

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-034
MOUNT KIT-INSTALLATION VP AU UL S45
CUMMINS K19/KTA19-C & L (1150/ 525)

INSTALLATION NOTE: (See also 16-CU-040)
Bracket designed for use with Auxiliary Drive pulley with Single ¾” groove, 8.7” OD.
Kit includes: Mount bracket; tightener; 5/8” belt; and mounting hardware for compressor and bracket.
Compressor can also be mounted above bracket ears. A different belt may be necessary (approx. 54”)

(See 16-CU-042 & 16-CU-044 for 2AG (6.75”OD) Aux. Drive Pulley.)

Special Note:
1. If fuel filters are mounted to the auxiliary drive housing the customer must relocate them before the compressor mount can be installed.
2. Fan guard may need to be cut to allow for belt clearance.

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-038

MOUNT KIT-INSTALLATION PO AU FR S44 1710

1. Locate the five-hole pattern on the right side of the frame.
2. Bolt the compressor mount bracket (#2) to that location.
3. Bolt the compressor (#1) to the mount using the 10mm x 35mm bolts in the mount kit.
4. Bolt the tightener (#3) in place of the top ear of the compressor bracket.
5. Put the belt around the auxiliary drive pulley (#4).
6. Check for alignment of the belt and tighten all the bolts.

Note: You must install the auxiliary pulley first.

NOTE: All illustrations and specifications are not binding in detail, designs are subject to modifications and improvements where necessary.
16-CU-040
MOUNT KIT-INSTALLATION VP AU UL S45
CUMMINS K19/KTA19-C & L (1150/ 525)

Bracket designed for use with Auxiliary Drive pulley with Single ¾” groove, 8.7” OD.  
(See also 16-CU-034)
Kit includes: Mount bracket; tightener; 5/8” belt; and mounting hardware for compressor and bracket.  
Compressor can also mount between the mount bracket ears. A different belt may be necessary.

(See 16-CU-042 & 16-CU-044 for 2AG (6.75”OD) Aux. Drive Pulley.)

Special Note:
1. If fuel filters are mounted to the auxiliary drive housing the customer must relocate them before the compressor mount can be installed.
2. Fan guard may need to be cut to allow for belt clearance.

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
1. Remove the engine side covers and locate the three tapped holes on the left-hand side above the injector pump.
2. Bolt the compressor mount bracket (#1) to the three tapped holes using the three M10 x 1.5 x 20mm bolts with lockwashers.
3. Attach the compressor (#2) to the mount bracket using two M10 x 1.5 x 35mm bolts with nuts and lockwashers. The compressor ears will be to the front of the mount bracket ears.
4. Remove the fan and install the add-on pulley (#3) to the fan shaft, between the existing pulley and the fan using the original bolts. Place the compressor drive belt over the add-on pulley and then put the fan back together.
5. Using the bolt shown on the front of the injector pump housing, bolt the tightener bracket (9#4) there and the slotted end of the tightener will go to the compressor ear. Place the belt around both pulleys and adjust the tension of the belt. (Note: If the fan shroud is in contact with the compressor, remove that area of the shroud to clear room for the compressor).

NOTE: All illustrations and specifications are not binding in detail, designs are subject to modifications and improvements where necessary.
16-CU-042

MOUNT KIT-INSTALLATION VP AU UL S44- CUMMINS KTA19C /525/ 1150 W/ 2AG (6.75” OD) AUX. DRIVE PULLEY

INSTALLATION NOTE:
1. Alternate mounting with compressor above double ears may require a different belt (approx. 47.0”).
2. (See 16-CU-034 & 16-CU-040 for 1CG (8.7”OD) Aux. Drive Pulley.)
3. Belt aligns on compressor outer grooves and drive inner groove. (see also 16-CU-044)

Special Note:
4. If fuel filters are mounted to the auxiliary drive housing the customer must relocate them before the compressor mount can be installed.
5. Fan guard may need to be cut to allow for belt clearance.

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
**16-CU-044**

**MOUNT KIT-INSTALLATION VP AU UL S44- CUMMINS KTA19C /525/ 1150 W/ 2AG (6.75” OD) AUX. DRIVE PULLEY**

**INSTALLATION NOTE:**
1. Alternate mounting with compressor above double ears may require a different belt (approx. 47.0”).
2. (See 16-CU-034 & 16-CU-040 for 1CG (8.7”OD) Aux. Drive Pulley.)
3. Belt aligns on both outer grooves when spacers are installed.

**Special Note:**
4. If fuel filters are mounted to the auxiliary drive housing the customer must relocate them before the compressor mount can be installed.
5. Fan guard may need to be cut to allow for belt clearance.

**NOTE:** All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-050

MOUNT KIT INSTALLATION AO CK LL S44 – CUMMINS B-SERIES

Note: Re-used crank pulley bolts for Add-On pulley.

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-051
CUMMINS 6-590 & 6BT5.9

16-CU-051 Comp Mtg Kit, AO FN UT S44 6-590

1. Remove the engine side covers and locate the three tapped holes on the left-hand side above the injector pump.
2. Bolt the compressor mount bracket to the three tapped holes using the bolts provided in the kit.
3. Attach the compressor to the mount bracket using the metric nuts, bolts and lockwashers included in the mount kit. The compressor ears will be to the front of the mount bracket ears.
4. Remove the fan and install the add-on pulley to the fan shaft between the existing pulley and the fan. Place the compressor drive belt over the add-on pulley and then put the fan back together using the longer bolts from the kit in place of the original bolts.
5. Bolt the tightener bracket to the remaining ear on the mount. The slotted end of the tightener will go to the compressor ear. Place the belt around both pulleys and adjust the tension of the belt.

Note: If the fan shroud is in contact with the compressor, remove that area of the shroud to allow the clearance needed for the compressor.

NOTE: All illustrations and specifications are not binding in detail, designs are subject to modifications and improvements where necessary.
1. Open the side panels on the machine and unbolt the fan. Place the add-on pulley between the fan spacer and the multi-groove pulley. Bolt the fan and the fan spacer into original places with factory bolts. Place the compressor drive belt over the add-on pulley.

2. Remove the four bolts (two in the front and two in the back), holding the muffler support to the engine head. Raise the front of the muffler support ¼” and slide the compressor mount under the muffler support, aligning three of four holes. (Note: This does not need to be done on the 510 or 510B series, but ¼” will need to be removed from the factory spacers beneath the muffler support.) Replace the two longer metric bolts with the M10 x 1.5 x 50mm bolts provided in the kit.

3. Raise the rear of the muffler support ¼” and slide the spacer bar underneath aligning two holes. (Note: This does not need to be done on the 510 or 510B series.) Use two M10 x 1.5 x 35mm bolts to replace the other two original muffler support bolts.

4. Attach the compressor to the compressor mount bracket with two M10 x 1.5 x 35mm bolts, lockwashers and nuts. Place the belt over the front groove on the compressor. Bolt the tightener bracket and the tube spacer to the hole above the injection pump housing. (Use the M10 x 1.5 x 50mm bolts from the kit.) Use the 5/16 x 1 ¼ bolt, lockwasher, flatwasher and nut to attach the slotted end of the tightener bracket to an ear on the compressor.

5. Tighten the belt and all mounting hardware. Check the alignment of the belt and the security of all bolts.
16-CU-057 Comp Mtg Kit, AO FN UT S44 6BT5.9

(Notes: References to (#)'s shown in the above drawing. (#1) Compressor mount, (#2) Add-oh pulley and (#3) Tightener bracket.)

NOTE: All illustrations and specifications are not binding in detail, designs are subject to modifications and improvements where necessary.
1. Remove the engine side covers and locate the three tapped holes on the left-hand side above the injector pump.

2. Bolt the compressor mount bracket (#1) to the three tapped holes using the three M10 x 1.5 x 20mm bolts with lockwashers.

3. Attach the compressor (#2) to the mount bracket using two M10 x 1.5 x 35mm bolts with nuts and lockwashers. The compressor ears will be to the front of the mount bracket ears.

4. Remove the fan and install the add-on pulley (#3) to the fan shaft, between the existing pulley and the fan using the original bolts. Place the compressor drive belt over the add-on pulley and then put the fan back together.

5. Using the bolt shown on the front of the injector pump housing, bolt the tightener bracket (#4) there and the slotted end of the tightener will go to the compressor ear. Place the belt around both pulleys and adjust the tension of the belt. (Note: If the fan shroud is in contact with the compressor, remove that area of the shroud to clear room for the compressor).

NOTE: All illustrations and specifications are not binding in detail, designs are subject to modifications and improvements where necessary.
16-CU-060
MOUNT KIT-INSTALLATION VP FN UT S44 (Cummins 239T & D359 & “B” SERIES)
Used on DRESSER 510C/515C/520C/525 (WL) & 830 (GD); KOMATSU 250-1 & 320-1 (WL)

1. Open the side panels on the machine and unbolt the fan. Place the add-on pulley between the fan spacer and the multi-groove pulley. Bolt the fan and the fan spacer into original places with factory bolts. Place the compressor drive belt over the add-on pulley.

2. Remove the four bolts (two in the front and two in the back), holding the muffler support to the engine head. Raise the front of the muffler support ¼” and slide the compressor mount under the muffler support, aligning three of four holes. (Note: This does not need to be done on the 510 or 510B series, but ¼” will need to be removed from the factory spacers beneath the muffler support.) Replace the two longer metric bolts with the M10 x 1.5 x 50mm bolts provided in the kit.

3. Raise the rear of the muffler support ¼” and slide the spacer bar underneath aligning two holes. (Note: This does not need to be done on the 510 or 510B series.) Use two M10 x 1.5 x 35mm bolts to replace the other two original muffler support bolts.

4. Attach the compressor to the compressor mount bracket with two M10 x 1.5 x 35mm bolts, lockwashers and nuts. Place the belt over the front groove on the compressor. Bolt the tightener bracket and the tube spacer to the hole above the injection pump housing. (Use the M10 x 1.5 x 50mm bolts from the kit.) Use the 5/16 x 1 ¾ bolt, lockwasher, flatwasher and nut to attach the slotted end of the tightener bracket to an ear on the compressor.

5. Tighten the belt and all mounting hardware. Check the alignment of the belt and the security of all bolts.

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-061

MOUNT KIT-INSTALLATION VP AU ML S44 LTA-10

1. Open the engine compartment and locate the mounting location on the gear case housing on the left-hand side of the engine shown above.
2. Mount the compressor mount bracket to the two pass holes in the gear case housing as shown above with two bolts, lockwashers and nuts provided in the kit.
3. Bolt the compressor to the mount bracket using the long M 10 bolt, lockwasher and nut provided.
4. Bolt the tightener bracket to the mount bracket and to the compressor as shown.
5. Place the belt around the vacant engine pulley and around the compressor pulley.
6. Tighten the belt to its proper tension and tighten all the hardware securely.

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-062

MOUNT KIT-INSTALLATION VP FN UT S44 S6D114E-1/614T

Used on DRESSER 532, 538, 542 (WL) W/614T; KOMATSU WA420-1 W/614T; KOMATSU WA320-3, WA380-3, WA420-3 W/S6D114E-1

Note: The 614T and S6D114E-1 are basically Cummins 6C engines. Mounting bracket bolt pattern does not have standard AC compressor bracket mounting holes on the Cummins 6C engine.

1. Open the engine compartment on the machine and locate the mounting holes above the gear case housing and in front of the muffler bracket.
2. Bolt the compressor mount bracket to these four holes with bolts provided in the mount kit.
3. Bolt the compressor to the mount bracket with the M10 bolts, nuts and lockwashers.
4. Bolt the tightener bracket to the compressor bracket and to the compressor as shown above with hardware from the kit.
5. Place the belt around the vacant fan pulley and around the compressor. (The fan may have to be removed to fit the belt.)
6. Tighten the belt to its proper tension and tighten all the mounting hardware securely.

NOTE: All illustrations and specifications are not binding in detail, designs are subject to modifications and improvements where necessary.
MOUNT KIT (KOMATSU 410/410T/ 240/240T/610/610T (CUMMINS 4/6B))

Used On WA120 and WA180 (wl)

NOTE:

-USE WITH ADD-ON FAN PULLEY (165-CUF002) IF NECESSARY.
-KIT INCLUDES HARDWARE AND BELT. THE COMPRESSOR AND THE FAN PULLEY ARE NOT INCLUDED.

All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-066

MOUNT KIT-INSTALLATION VP AU UL S44- CUMMINS KTA19C /525/ 1150 W/ 2AG (6.75” OD) AUX. DRIVE PULLEY

INSTALLATION NOTE: (Also see 16-CU-042 &44)

1. Belt aligns on both outer grooves.
2. (See 16-CU-034&40 for 1CG (8.7”OD) Aux. Drive Pulley.)

Special Note:

3. If fuel filters are mounted to the auxiliary drive housing the customer must relocate them before the compressor mount can be installed.
4. Fan guard may need to be cut to allow for belt clearance.
16-CU-070

MOUNT KIT-INSTALLATION VP FN UT S44 (CUMMINS 5.9\KOMATSU S6D102E-1)

USE ON KOMATSU (EX) PC 200-220 LC-6

1. Open the main engine compartment and locate the three M10 pre-tapped holes, front left top of the engine.

2. Remove the fan guard to make room for the compressor and the belt. **(Note: Fan guard will have to be modified before reinstalling. The fan guard can be purchased from Komatsu for this application.)**

3. Fasten the mount bracket to the three pre-tapped holes. Use three HHCS M10 x 40mm bolts, flatwashers and lockwasher to fasten. Tighten the bolts securely.

4. Attach the tightener with the weldnut to the clutch side of the ears on the compressor. **(Note: The welded nut faces the clutch.)** Use two HHCS M10 x 35mm bolts, flatwashers, lockwashers and nuts. Now attach the other tightener without the weldnut to the backside of the compressor ears as show above. Use the same hardware to fasten. Tighten the bolts securely. **(Note: The ports on the compressor must be facing up.)**

5. Now attach the compressor straddling the spool on the mount bracket. Use the HHCS M10 x 13mm bolt, flatwasher and lockwasher through the open holes on the tightener brackets. Use the HHCS M10 x 30mm bolts, flatwasher and lockwasher through the slotted holes on the tightener bracket, both sides, to tighten to the mount bracket. **Do not tighten at this time.**

6. Install the belt in the vacant grooves, check the belt alignment and tighten the belt. Reinstall the fan guard. Tighten all the remaining hardware securely.

**NOTE:** All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-071

MOUNT KIT INSTALLATION, AO FN UL S44

Use on Terex CD200 w/ Cummins B-Series

Note: Typically use top port compressor for most applications.

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-072

MOUNT KIT INSTALLATION, VP AU ML S44

Use on Cummins M11 w/ AD2031

Note: Mount hardware and belt not shown. Compressor not included

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-078

MOUNT KIT-INSTALLATION VP FN UT S44 CUMMINS 4B/6B

<table>
<thead>
<tr>
<th>KIT#</th>
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<th>PULLEY</th>
</tr>
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<tbody>
<tr>
<td>16-CU-078</td>
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<td>168-12-380</td>
<td>165-CUF002</td>
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<td>16-CU-080</td>
<td>168-12-370</td>
<td>165-CUF002</td>
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<td>16-CU-084</td>
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<td>168-12-390</td>
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<td>16-CU-093</td>
<td>168-12-420</td>
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<tr>
<td>16-CU-100</td>
<td>168-12-450</td>
<td>165-CUF002</td>
</tr>
</tbody>
</table>

Installation Note:
1. Different machines may require different compressor head orientation.
2. The Cummins B-series engine has six fan drive locations and hence six different belt lengths are needed to cover all applications. (Typical Lenghts: 37”; 38”,39”; 42”; 45”; 48”) 
3. If a vacant pulley doesn’t exist order kit with 165-CUF002. This pulley goes between the fan drive pulley and fan extension.

All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
Installation Note:
1. Different machines may require different compressor head orientation.
2. The Cummins B-series engine has six fan drive locations and hence six different belt lengths are needed to cover all applications. (Typical lengths: 37”, 38”, 39”; 42”; 45”; 48”)
3. The pulley goes between the fan drive pulley and fan extension.

All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-081

MOUNT KIT INSTALLATION, VP FN UL S44

Use on Cummins B-series, 3.9 & 5.9 L

NOTE: ½ X 36.5” Belt and mounting hardware provided.

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-082

MOUNT KIT INSTALLATION, VP FN UL S44

Use on CUMMINS 6C8.3

Note: Add-on fan pulley 165-CUF002 is not part of this kit. If required must be ordered separately.

Belt: $\frac{1}{2}$ x 46” supplied. May vary depending on fan location on engine.

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-083

MOUNT KIT-INSTALLATION VP FN UT S44
-CUMMINS 6C / 6CT/ 6CTA

Installation Note:
Belt and Hardware are provided. (Not shown)

An Add-On fan pulley (Kenway #: 165-CUF002) can be purchased if not available on the machine.

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
Installation notes:

- Designed for QSK 19 engine with AD 4021 Accessory Drive.
- AD4021 has a 8.65" DIA. x 3/4" groove pulley on middle left of engine. Use Sanden #4516 compressor or equivalent with ear mount and variable groove clutch.
- Since the bracket uses the same mounting holes as the serpentine belt tensioner, it is advised that the serpentine belt be loosened before removing the tensioner’s mounting bolts.

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-091

MOUNT KIT INSTALLATION, VP AU ML S44- CUMMINS M11

Note: Mount hardware. Compressor not included.

All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-096

MOUNT KIT-INSTALLATION VP FN UT S44 (CUMMINS 5.9\KOMATSU S6D102E-1)

USE ON KOMATSU (EX) PC 200-220 LC-6

1. Open the main engine compartment and locate the three M10 pre-tapped holes, front left top of the engine.

2. Remove the fan guard to make room for the compressor and the belt. *(Note: Fan guard will have to be modified before reinstalling. The fan guard can be purchased from Komatsu for this application.)*

3. Fasten the mount bracket to the three pre-tapped holes. Use three HHCS M10 x 40mm bolts, flatwashers and lockwasher to fasten. Tighten the bolts securely.

4. Attach the tightener with the weldnut to the clutch side of the ears on the compressor. *(Note: The welded nut faces the clutch.)* Use two HHCS M10 x 35mm bolts, flatwashers, lockwashers and nuts. Now attach the other tightener without the weldnut to the backside of the compressor ears as show above. Use the same hardware to fasten. Tighten the bolts securely. *(Note: The ports on the compressor must be facing up.)*

5. Now attach the compressor straddling the spool on the mount bracket. Use the HHCS M10 x 13mm bolt, flatwasher and lockwasher through the open holes on the tightener brackets. Use the HHCS M10 x 30mm bolts, flatwasher and lockwasher through the slotted holes on the tightener bracket, both sides, to tighten to the mount bracket. **Do not tighten at this time.**

6. Install the belt in the vacant grooves, check the belt alignment and tighten the belt. Reinstall the fan guard. Tighten all the remaining hardware securely.

**NOTE:** All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-099
*MOUNT KIT-INSTALLATION VP AU UL S85 QSK19 (1150 CID)*

Installation notes:

- Designed for QSK 19 engine with AD 4021 Accessory Drive.
- AD4021 has a 8.65" DIA. x 3/4" groove pulley on middle left of engine. Use Sanden #4516 compressor or equivalent with ear mount and variable groove clutch.
- Since the bracket uses the same mounting holes as the serpentine belt tensioner, it is advised that the serpentine belt be loosened before removing the tensioner’s mounting bolts.

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-104   MOUNT KIT-INSTALLATION VP AU ML S44  
(CUMMINS 4B5.9/ KOMATSU S6D102E-1)

Installation Note:
Use Rear port compressor. Belt alignment is on front groove.

Note:
All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
An Add-On fan pulley (Kenway #: 165-CUF002) can be purchased if not available on the machine.

**NOTE:** All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-108    Comp Mtg Kit, AO FN UT S44 6BTA w/ Idler

Note: Belt and mounting hardware not shown.
Bracket mounts in upper front left corner of engine.

NOTE: All illustrations and specifications are not binding in detail,
designs are subject to modifications and improvements where necessary.
16-CU-109

MOUNT KIT-INSTALLATION VP AU ML S44 (CUMMINS N14/ 855)

Installation Note:
-Use any three of the outer grooves on the Cummins Accessory Drive (AD1250).
-Kit includes Belt and all hardware (not shown)

Note:
All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.

16-CU-109.doc 03/29/07
16-CU-112

**MOUNT KIT-INSTALLATION VP FN UT S44 4B/ 6B FIXED W/ ECCENTRIC**

**NOTE:** All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.

16-CU-112.doc  06/07/04
16-CU-113

MOUNT KIT-INSTALLATION VP AU UL S44
CUMMINS L10/LT10/LTA10

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<tr>
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<td>1</td>
<td>BRACKET, COMPRESSOR</td>
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<tr>
<td>2</td>
<td>1</td>
<td>COMPRESSOR (not included)</td>
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<tr>
<td>3</td>
<td>8</td>
<td>WASHER, LOCK 3/8&quot; / M10</td>
</tr>
<tr>
<td>4</td>
<td>4</td>
<td>HHCS M10 -1.5 X 35MM YZ</td>
</tr>
<tr>
<td>5</td>
<td>4</td>
<td>HHCS M10 -1.5 X 30MM YZ</td>
</tr>
<tr>
<td>6</td>
<td>3</td>
<td>NUT, HEX M10 X 1.5</td>
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<tr>
<td>7</td>
<td>2</td>
<td>WASHER, FLAT 3/8&quot; / M10 YZ</td>
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<td>8</td>
<td>1</td>
<td>COMP ADJUSTMENT PLATE</td>
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<tr>
<td>9</td>
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<td>BELT, I7530</td>
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</table>

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-114

MOUNT KIT INSTALLATION, VP FN UL S44 + CUMMINS QSB & ISB

APPLICATION NOTES:
FOR USE ON CUMMINS QSB ENGINE.
BELT LENGTHS: FOR PU9001 OPTION ONLY.

<table>
<thead>
<tr>
<th>CRANK-FAN CTR</th>
<th>BELT</th>
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<tbody>
<tr>
<td>202MM</td>
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<tr>
<td>393.5MM</td>
<td>40&quot;</td>
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<tr>
<td>444MM</td>
<td>38&quot;</td>
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</table>

USES CUMMINS ACCY DRIVE: PU9001 (FAN DRIVE ADD-ON)
OR CUMMINS DA9086 CRANK PULLEY W/ DAMPER IF FAN DRIVE DOESN’T EXIST.

: Kenway#: 165-CUF002  (Pulley, Fan Add-on 1-AG; 7.1" OD)
       165-CUK050 (Pulley, Crank shaft Add-on 1-AG; 7.2" OD)

MOUNT LOCATES SANDEN/SELTEC COMPRESSOR IN SAME LOCATION AS CUMMINS FACTORY OPTIONS FOR CCI AND NIPPODENSO COMPRESSORS.

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.

16-CU-114.doc  2/8/2005
16-CU-123
*Mount Kit-Installation VP FN UT S44ISB/QSB W/ Overhang Clutch*

**NOTE:** All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
### 16-CU-124
Mount Kit-Installation AO FN UT S44
-Cummins 6C / 6CT/ 6CTA

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>QT.</th>
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<tr>
<td>4</td>
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<td>162-00P003</td>
<td>Comp Adjustment Plate</td>
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<td>1</td>
<td>165-CUF002</td>
<td>Pulley, Add-On Fan</td>
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<td>1</td>
<td>168-12-470</td>
<td>Belt, 1/2&quot; X 47.0&quot; (Not Shown)</td>
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<td>4</td>
<td>300311</td>
<td>HHCS M10 -1.5 X 30MM YZ</td>
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<td>300025</td>
<td>Washer, Flat 3/8&quot; / M10 YZ</td>
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<td>7</td>
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<td>300246</td>
<td>Nut, Hex M10 X 1.5</td>
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<td>6</td>
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<td>300245</td>
<td>HHCS M10 -1.5 X 35MM YZ</td>
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<td>300454</td>
<td>Washer, Lock 3/8&quot; / M10</td>
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<td>161-CUC105</td>
<td>Brkt-Compr</td>
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<tr>
<td>1</td>
<td>1</td>
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<td>Not Supplied</td>
</tr>
</tbody>
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**NOTE:** All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-126

MOUNT KIT INSTALLATION, AO CK LL S44

Use on CUMMINS 4B/6B and QSB.

Note: Use washers and spacers as required on the tightener bracket.

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
Use on Peterbuilt 330, ‘03 w/ Cummins ISC 285hp

Installation Notes:
1. Remove tension from serpentine belt.
2. Loosen alternator and swing away from engine on bottom bolt.
3. Loosen factory ac compressor drive belt.
4. Removed four mount bolts to engine block from fan drive and move away from engine. Leave control line attached.
5. If factory ac drive belt does not measure ½” across the top replace with 17/32 x 39” (i.e. 17390 or 9390).
6. Install compressor mounting bracket and support.
7. Torque all mounting bolts after all of them have been started and run down.
8. Replace alternator and fan drive making sure factory ac drive belt is around the fan drive.
9. Install compressor.
10. Install long drive belt on the inside groove of the factory ac compressor pulley and on the second compressor. Tension the factory ac compressor drive belt first. New belt tension is: 130 lbf +/- 15. After run in re-tension to 90 lbf +/- 5 with the belt cold.

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-128

MOUNT KIT- DUAL INSTALLATION, RP AO UR S44

Use on Kenworth T300, ‘03 w/ Cummins ISC 315hp

Installation Notes:

1. Remove tension from serpentine belt.
2. Loosen alternator and swing away from engine on the bottom bolt.
3. Remove and discard fan shroud support bracket bolted to engine lift ring.
4. Loosen factory ac compressor drive belt.
5. Removed four mount bolts to engine block from fan drive and move away from engine. Leave control line attached.
6. Replace factory ac drive belt with the one supplied in the kit.
7. Install the compressor mounting bracket and its support. Note: fan control line routes under the top inside spacer.
8. Torque all mounting bolts after all of them have been started and run down.
9. Replace alternator and fan drive making sure the “new” ac drive belt goes around fan drive.
10. Install compressor and “new” fan shroud support bracket.
11. Install long drive belt on the inside groove of the factory and the second compressor. Tension the “new” factory ac compressor drive belt first. New belt tension is: 130 lbf+/− 15. 90 lbf+/− 5 for used belt re-tension cold.

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-129

MOUNT KIT INSTALLATION, AO FN UL S44

Use on Cummins 4B/6B with crank-fan center spacing of 11.6”. Other fan spacings require different length drive belts. Kit provided with ½ x 45” belt.

Note:
- Typically use vertical port compressor for most applications.
- Mount bracket includes front tab for sturdier mounting for solid mounted engines.

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
Use on CUMMINS B3.3

- Relocate fuel filter if as shown above. Fuel line and Banjo fittings can be purchased from Cummins.
- Replace single groove fan pulley with pulley provided.

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-131

MOUNT KIT INSTALLATION, AO FN UL S44

Use on Cummins 4B/6B with crank-fan center spacing of 17.5”. Other fan spacings require different length drive belts. Kit provided with ½ x 37” belt.

Note:
- Typically use vertical port compressor for most applications.
- Mount bracket includes front tab for sturdier mounting for solid mounted engines.

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-132

**MOUNT KIT INSTALLATION, VP FN UL S44**

Use on Cummins 4B/6B with fan center spacing of 11.6”. Other fan spacings require different length drive belts. Kit provided with \( \frac{1}{2} \times 48” \) belt.

Note:
- Typically use vertical port compressor for most applications.
- Mount bracket includes front tab for sturdier mounting for solid mounted engines.

**NOTE:** All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-133

MOUNT KIT INSTALLATION, AO FN LR S44

Use on Cummins B3.3 on Nordco.

Replaces right front engine support leg.

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-134

MOUNT KIT-DUAL INSTALL RP FN UL

Use on CUMMINS ISC315 on Peterbuilt 330 ‘04

Note: Typically use rear port compressor for most applications.

Installation notes:

- Support hood and remove top radiator support bracket.
- Remove factory ac compressor bracketry.
- Remove lift ring.
- Install “new” compressor bracket.
- Re-route electrical
- Notch top of radiator support bracket where indicated for suction line clearance.
- Location old compressor and support bracket on engine.
- Check hose and electrical routing before securing.

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
• Install “new” compressor and belt.
• Check for hoses and electrical routing for excessive pinching, rubbing, or bending. Adjust as necessary.
• Re-support top radiator line. Check for adequate clearance.
M939/A0/A1 Air Conditioner
Compressor Mounting Kit
KENWAY: 16-CU-138

16-CU-138
INSTALLATION INSTRUCTIONS

M939 BASIC/A0/A1 with CUMMINS NHC250

PARTS LIST

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<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
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<td>Bolt 3/8NCx5</td>
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<tr>
<td>Lock washer, 5/8</td>
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</tr>
<tr>
<td>Tightener</td>
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</tr>
<tr>
<td>Bolt 1/2NCx1-1/4</td>
<td>2</td>
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<tr>
<td>Nut, 3/8NC nylon lock</td>
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</tr>
<tr>
<td>Belt, 17540</td>
<td>2</td>
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<td>Washer, 3/8</td>
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<td>Installation Instructions</td>
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<td>Bolt 3/8NCx1-1/2</td>
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</tr>
<tr>
<td>Lock washer, 1/2</td>
<td>2</td>
</tr>
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</table>

TOOLS REQUIRED

- 3/8” drive ratchet or air ratchet
- ½” drive ratchet
- Standard wrench set
- Standard 3/8” socket set
- Standard ½” drive socket set.
- Torque wrench 0-100 ft-lbs
- Pry bar
- Belt tension gauge
- ½” NC & 5/8” NC tap and handle
- Wire brush and scraper

Before starting installation review parts list above to verify that all required parts needed for installation were received.

MACHINE PREPARATION

1. Set parking brake and disconnect battery or use other means to prevent accidental engine starting.
2. Remove left splash shield.
3. Remove shield from power steering gearbox and front inner fender bracket to be re-installed later.
4. Check tension and inspect condition of the fan drive belts for the auxiliary drive pulley. Replace belts if necessary.
5. Remove the drive belts from the auxiliary drive pulley by loosening the three bolts of the fan drive support and cranking up the tensioner bolt. FIGURE 1 (para. 3-70)
1. Loosen the power steering pump pressure hose connector at the pump. Rotate the hose fitting so it is approximately 15° above level. FIGURE 2

2. Unbolt the power steering pump tightener at the pump. Loosen the tightener bolt at the engine and allow the tightener to swing down. Re-tension bolt.

3. Unbolt the power steering pump at the engine bracket and swing it away. Secure the pump in an upright position with a rope or bungee strap.

4. Clean off the top and side of the auxiliary drive housing and clean out the two ½ NC holes on top and the 5/8” NC hole on the side. FIGURE 3

5. Bolt the Compressor mounting bracket to the drive housing using the two ½ x 1-1/4 bolts with lock washers and the 5/8x1-1/2 bolt with a lock washer. Torque the ½ NC bolts to 80 ft-lbs and the 5/8NC bolt to 120 ft-lbs. FIGURE 4

6. Install the tightener to the front of the compressor-mounting bracket with the 3/8 x 1 ¼ and lock nut. Tighten bolt until tightener starts to grab when moved. FIGURE 5

7. Re-install the power steering pump. Use a 3/8x1-1/4 bolt, flat washer and locknut at the tightener. The flat washer must go over the slot. Do not torque down at this time. FIGURE 5
COMPRESSOR INSTALLATION

1. Install the compressor over the compressor mount bracket. Slip a flat washer over each of the 3/8x5 bolts prior to inserting them into the compressor. Use 3/8 lock nuts at front of compressor and torque each to 15 ft-lbs. FIGURE 6

2. Adjust and reroute the power steering pressure hose. Loosen the fittings at both ends of the hose to relieve any tension on the hose and re-tighten. FIGURE 7

3. Install both belts around the auxiliary drive pulley, compressor and power steering pump pulley. Use a pry bar between the power steering pump and compressor mounting bracket pry up the PS pump to tension the belts. Note: tension belts as required by power steering pump specification. New belt: 95-105 lbs. FIGURE 8

4. Torque all three power steering pump mounting bolts and the lower tightener bolt to 35 ft-lbs.

5. Re-install or replace the fan drive belts. (para. 3-70)
INNER FENDER SPACER INSTALLATION

It is necessary to space out the front bracket of the inner fender to allow the inner fender to be removed and installed properly.

1. Remove the power steering gearbox shield and front inner fender bracket if not already done.
2. Insert 3/8” spacers between the front inner fender bracket and the truck frame. The third spacer goes between the power steering gearbox shield and the truck frame. FIGURE 9
3. Torque the 3/8” hardware provided to 35 ft-lbs.
4. Re-install inner fender.
5. Re-connect battery or re-enable starter.

INSTALLATION FOLLOW-UP

1. After AC system installation is complete and a minimum of 15 minutes of operation check that all hardware is tight. Re-tension belts as required by power steering pump specification. Used belt: 85-95 lb.
   Note: AC and pump drive belts must be replaced in matched sets.
16-CU-140

MOUNT KIT INSTALLATION, CUMMINS NTC400

Remove Fan drive belts.
Clean compressor mount bracket mounting surfaces and mounting holes.
Install Compressor Mounting Bracket.
Install Compressor
Install belt and tension. Tighten all bolts.
Re-install fan belts.

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-141

MOUNT KIT INSTALLATION, AO FN UL S44

Use on CUMMINS ISB; QSB

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
Belt: 17480

Includes Clutch Kit to convert Sanden: 4431 from PV8 to 2AG.

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-143

MOUNT KIT INSTALLATION, AO FN UL S44 + CUMMINS QSB & ISB; QSB 4.5 Tier III

Kenway#: 165-CUF002 (Pulley, Fan Add-on 1-AG; 7.1” OD) (supplied)
165-CK050 (Pulley, Crank shaft Add-on 1-AG; 7.2” OD)

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-143.doc

3/15/2007
An Add-On fan pulley (Kenway #: 165-CUF002) can be purchased if not available on the machine.

**NOTE:** All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-146

MOUNT KIT INSTALLATION, AO FN UL S44 + CUMMINS QSB & ISB

APPLICATION NOTES:
FOR USE ON CUMMINS QSB ENGINE.

BELT LENGTHS: FOR PU9001 OPTION ONLY.
CRANK-FAN CTR BELT
202MM 49.5"
295.9MM 45" (SUPPLIED IN KIT)
345MM 42.5"
393.5MM 40"
444MM 38"

MOUNT LOCATES SANDEN/SELTEC COMPRESSOR IN SAME LOCATION AS CUMMINS FACTORY OPTIONS FOR CCI AND NIPONDENSO COMPRESSORS.

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-146.doc 3/15/2006
16-CU-147

**MOUNT KIT INSTALLATION, AO FN UL S44**

Use on Cummins 4B/6B. Other fan spacings require different length drive belts. Kit provided with ½ x 39.5” belt.

Note:
- Typically use vertical port compressor for most applications.
- Mount bracket includes front tab for sturdier mounting for solid mounted engines.

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
Cummins NTC-300/ NTC-350 Air Conditioner Compressor Mounting Kit
16-CU-148

16-CU-148 INSTALLATION INSTRUCTIONS

Cummins NTC-300/NTC-350

PARTS LIST

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brkt, Comp Mtg</td>
<td>1</td>
</tr>
<tr>
<td>Belt, 17470</td>
<td>1</td>
</tr>
<tr>
<td>Bolt 1/2 NC x 1 -1/4</td>
<td>2</td>
</tr>
<tr>
<td>Lock washer M10</td>
<td>2</td>
</tr>
<tr>
<td>Installation Instructions</td>
<td>1</td>
</tr>
<tr>
<td>Fan Spacer Plate</td>
<td>1</td>
</tr>
<tr>
<td>Bolt M10 x 1.5 x 35mm</td>
<td>1</td>
</tr>
<tr>
<td>Lock washer ½</td>
<td>2</td>
</tr>
<tr>
<td>Washer M10</td>
<td>2</td>
</tr>
<tr>
<td>Compressor Adjusting Plate</td>
<td>1</td>
</tr>
<tr>
<td>Bolt M10 x 1.5 x 40mm</td>
<td>2</td>
</tr>
<tr>
<td>Bolt 3/8 NC x 1</td>
<td>1</td>
</tr>
<tr>
<td>Nut, M10x 1.5 nylon lock</td>
<td>3</td>
</tr>
</tbody>
</table>

Before starting installation review parts list above to verify that all required parts needed for installation were received.

MACHINE PREPARATION

1. Set parking brake and disconnect battery or use other means to prevent accidental engine starting.
2. Lift hood to access operator side of engine.

FAN SPACER INSTALLATION

1. Loosen engine fan blade from fan clutch drive.
2. Slide fan spacer from kit over stud bolts on fan drive. (Fig 1)
3. Re-install engine fan.

Fig. 1
COMPRESSOR BRACKET INSTALLATION

1. Clean and tap if necessary, the two 1/2NC and the 3/8NC tapped hole on engine.
2. Install the compressor mounting bracket. Using the ½x1-1/4 bolts with a lock washer and 3/8 x 1 bolt with lock washer on the back leg. (Fig. 2)
3. Torque down the ½ bolts to 90 ft-lbs (2x). Torque the 3/8 bolt to 35 ft-lbs.

COMPRESSOR INSTALLATION

1. Install compressor over compressor mount bracket. Use M10x35 bolts and locking nuts on the two top pivot holes. (Fig 3)
2. Use M10x40mm bolt with a flat washer and locking nut on the rear slide ear and an M10x40mm bolt with a flat washer and the compressor adjusting plate on the front slide ear. (Note: a flat washer must cover both slotted ears and neither of the front mounting bolts can contact the compressor pulley.)
3. Tighten the bolts so the compressor can still swing.
4. Install drive belt around the auxiliary drive pulley and the front groove of the compressor.
5. Use a ½” breaker bar to tension the drive belt. When proper tension is achieved torque the bolt in the adjusting plate to 35ft-lbs. Proper belt tension for a new belt is 120 lbs.
6. Tighten all four compressor mounting bolts to 35 ft-lbs.

INSTALLATION FOLLOW-UP

After AC system installation is complete and a minimum of 15 minutes of operation check that all hardware is tight. Re-tension the belt to 90 lbs when cold and a minimum of 50 lbs when hot.
16-CU-150

MOUNT KIT INSTALLATION, AO FN UL S44 4-390/ 6-590/ B-series

Use on Cummins 4B/6B with crank-fan center spacing of 7.9” (202mm). Other fan spacings will require different length drive belts. Kit provided with ½ x 48” belt. Not recommended for use with high mounted fan drives: (15.5/ 394mm or higher)

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
An Add-On fan pulley (Kenway #: 165-CUF002) can be purchased if not available on the machine.

**NOTE:** All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-154

MOUNT KIT-INSTALLATION VP AU ML S44 LTA-10

TAYLOR TEC 950L

1. Open the engine compartment and locate the mounting location on the gear case housing on the left-hand side of the engine shown above.
2. Mount the compressor mount bracket to the two pass holes in the gear case housing as shown above with two bolts, lockwashers and nuts provided in the kit.
3. Bolt the compressor to the mount bracket using the long M10 bolt, lockwasher and nut provided.
4. Bolt the tightenner bracket to the mount bracket and to the compressor as shown.
5. Place the belt around the vacant engine pulley and around the compressor pulley.
6. Tighten the belt to its proper tension and tighten all the hardware securely.

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-155

MOUNT KIT INSTALLATION, AO FN UL S44

Use on CUMMINS B3.3 Tier II or III (Similar to B3.3 Tier II 16-CU-130)

- Relocate fuel filter if as shown above. Fuel line and Banjo fittings can be purchased from Cummins.
- Replace single groove fan pulley with pulley provided.

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-157

Comp Mtg Kit, AO FN UL S44 LRT110 (WW Williams)

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.
16-CU-158

Comp Mtg Kit, AO CK LL  QSB45 (SKYTRAK 10054)

NOTE: All illustrations and specifications are not binding in detail; designs are subject to modifications and improvements where necessary.