CW Mill Equipment Co., Inc.
14 Commerce Drive Sabetha, KS 66534
Phone: (785) 284-3454
Fax: (785) 284-3601
Email: brackets@cwmill.com
Website: www.cwkits.com

# VFK24192V-I6

**2021-2022 Ford E-350-E-450 Cutaway Van**
**7.3L V8 Gas w/ A/C, w/o Dual Alternators**

**Requires 6-groove Pulley**
**For use w/ Vortec 92V-Style Alternator**

## INSTALLATION NOTES

1. The buyer is responsible for providing trained and experienced installation decision making with technical know-how to apply professional judgment that specifically applies to each individual installation.

2. Be sure to read and understand all available information including but not limited to instructions, warnings, sales terms, and warranties for the vehicle and all system components prior to attempting installation.

3. Disconnect negative battery cable. For easy access, drain radiator low enough for removal of upper radiator hose (does not have to be done for installation).

4. Remove air cleaner box assembly. Cut box as shown. Remove fan clutch wire and bracket from engine. Remove belt. Disconnect alternator wires and remove alternator. Remove OEM alternator bracket and bolts (discard).

5. Install new bracket (1) with mounting hardware (4-5).

**NOTE:** Install bolt into bracket hole closest to water pump before installing bracket.

6. Install wire extension (12) and heat shrink (13) to alternator wire. Install alternator with mounting hardware (9-10). Wires will go behind the bracket.

7. Remove tube off of air duct and engine. Cut plastic hose off and install rubber hose (17) with clamps (18) as shown. Install back onto the engine.

8. Install smooth idler pulley assemblies (6-8) onto main bracket (1). Install auxiliary alternator onto main bracket (1) with mounting hardware (11) Install belt (19).

9. Reinstall fan wire and bracket. If removed, reinstall upper radiator hose and fill coolant.

10. Install air cleaner bracket (3) then the air cleaner box as shown.

**NOTE:** Check for any water leaks and any hoses or wires that were disturbed during installation do not come in contact with any hot or moving parts. Run engine and check for proper belt tracking.

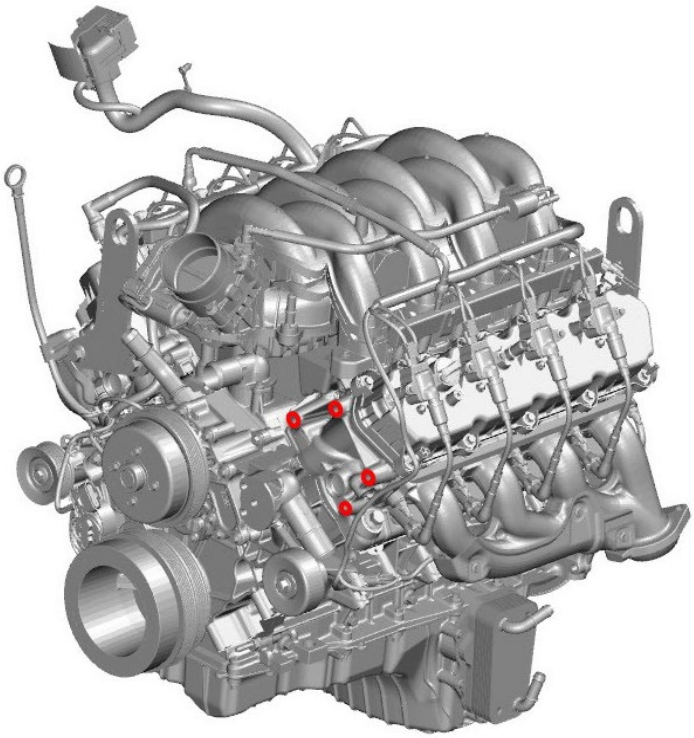
Disclaimer: (1.) Due to the custom nature and variation of all add-on systems of this type, no complete system kits are offered by the manufacturer, and any group of parts marketed as a kit is limited to only the individually defined parts in that specific kit. The system designer's rotating accessory components are not included, offered, or fully known by the manufacturer. In addition to the absence of the rotating accessory system, other potential components such as additional clamps, brackets, wear liners, hardware, or other items that may be required by the system designer must be identified and supplied by the actual system designer. (2.) Due to vehicle manufacturer's assembly tolerances, production changes, and installation variances, it is the buyer's responsibility to ensure adequate clearance for all components including space for and safe location of the fan, radiator, all lines, and wires. Check for possible movement, vibration, friction points, heat exposure and/or shifting of any and all components such as hoses, wires, and all other components including those that may otherwise be considered non-moving and/or unaffected by the installation (3.) The buyer is responsible for the entire installation of a mounting kit as the mounting kit is part of a custom process controlled by the buyer through their whole system design and directed installer as the installer evaluates, locates, routes, aligns, and tightens all components while determining if additional clamps, brackets, wear-liners, or other components may be required, beyond those included in the kit. Any additional items required, beyond those included in the kit, are to be provided at the expense of the buyer. (4.) The buyer is responsible for the development and communication of their whole system installation procedures, safety precautions, application, and use of the engine accessory mounting kit in their system, including efforts to maintain vehicle control and prevent pinch, wear, impact, and/or burn exposure on all hoses, wires, and other parts. (5.) The buyer is responsible for providing trained and experienced installation decision making with technical know-how to apply professional judgment that specifically applies to each individual installation. The buyers chosen installers must be qualified and experienced technicians that are familiar with the vehicle and accessory being mounted as well as the buyer's whole system design and installation procedures associated with the kit. (6.) The buyer is responsible for determining and achieving compliance to all regulatory issues that apply to the use of all products. (7.) The manufacturer reserves the right to make changes and/or improvements to any product at any time with or without notice.

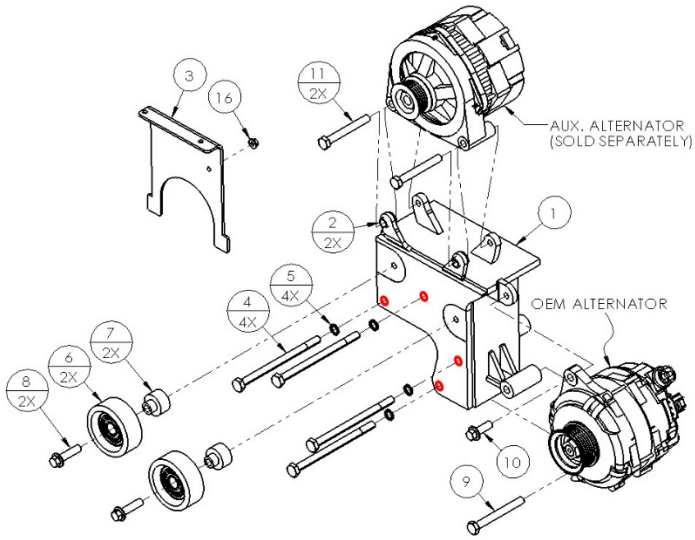
**CW Mill Equipment Co., Inc.**
14 Commerce Drive Sabetha, KS 66534
Phone: (785) 284-3454
Fax: (785) 284-3601
Email: brackets@cwmill.com
Website: **www.cwkits.com**

# VFK24192V-I6

**2021-2022 Ford E-350-E-450 Cutaway Van**
**7.3L V8 Gas w/ A/C, w/o Dual Alternators**

**Requires 6-groove Pulley**
**For use w/ Vortec 92V-Style Alternator**





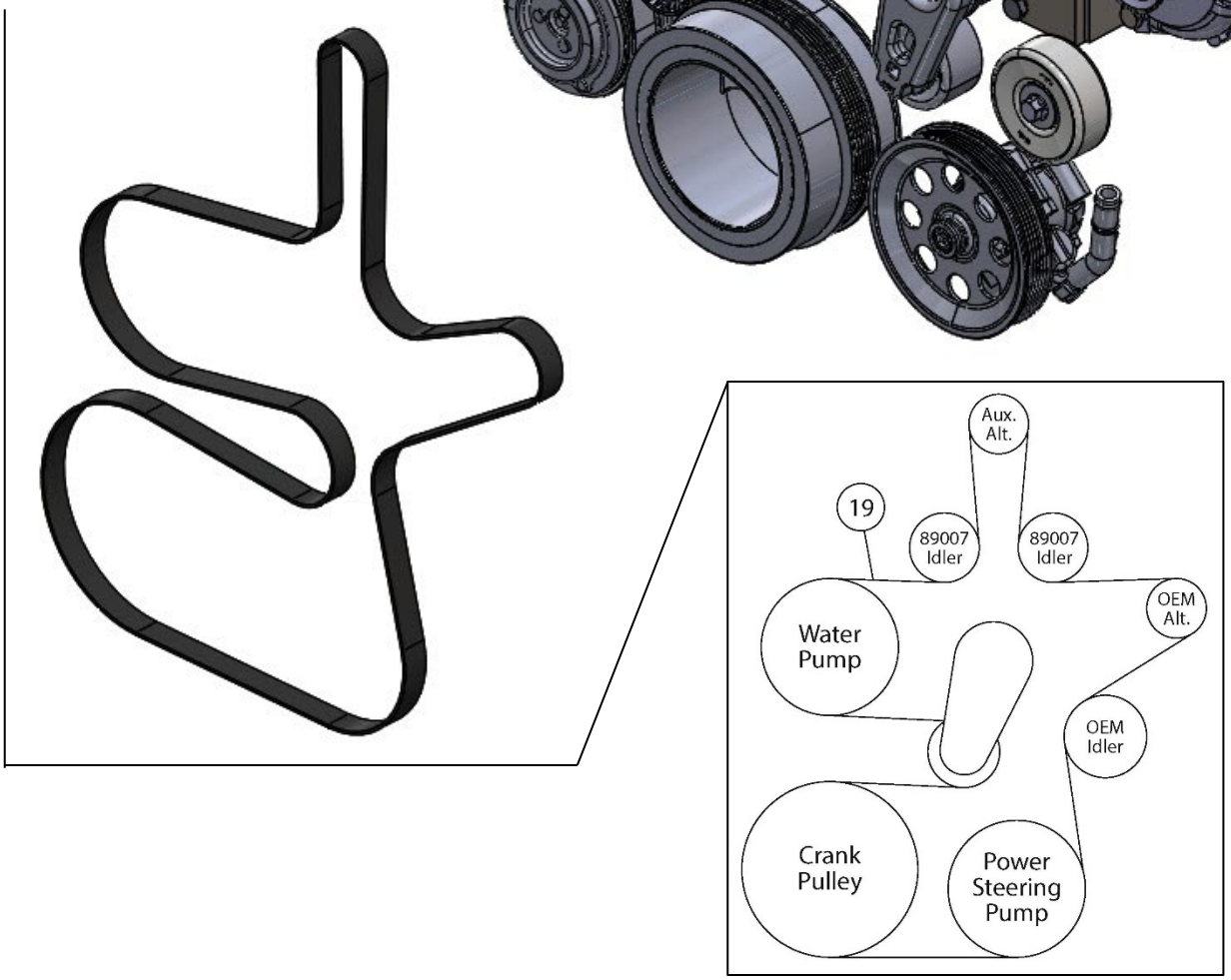

| PARTS LIST | | | | | | | |
|---|---|---|---|---|---|---|---|
| Item | Part Number | Description | Qty. | Item | Part Number | Description | Qty. |
| **Main Bracket** | | | | **Auxiliary Alternator Mounting Hardware** | | | |
| 1 | VFMB24192V-I6 | Main Bracket | 1 | 11 | 1003980 | M10-1.5 x 80mm 10.9Gr. Hex Bolt | 2 |
| 2 | 1011888A | M14 Slide Bushing (Installed) | 2 | **Wire Extension (Not Shown)** | | | |
| **Air Cleaner Bracket** | | | | 12 | FMB241WE | Wire Extension | 1 |
| 3 | VFMB241-2 | Air Cleaner Bracket | 1 | 13 | 1005393 | Heat Shrink | 3" |
| **Main Bracket Mounting Hardware** | | | | 14 | 1011623 | M8-1.25 x 12mm 10.9Gr. Hex Flange Bolt | 1 |
| 4 | 1005275 | M10-1.5 x 150mm 10.9Gr Hex Bolt | 4 | 15 | 1013333 | M8-1.25 10.9Gr Hex Flange Nut | 1 |
| 5 | 1003822 | M10 Lock Washer | 4 | **Emisions Hose Hardware** | | | |
| **Smooth Idler Pulley Assembly (2x)** | | | | 16 | 1016331 | M6-1.0 10.9Gr Hex Flange Nut | 1 |
| 6 | 89007 | Dayco Smooth Idler Pulley | 2 | 17 | 1010299 | 5/8" Rubber Hose | 22" |
| 7 | FMB241-1 | Machined Idler Pulley Bushing | 2 | 18 | 1018276 | #8 Hose Clamp | 2 |
| 8 | 1006933 | M10-1.5 x 40mm 10.9Gr Hex Flange Bolt | 2 | **Belt (Only One Belt is Supplied)** | | | |
| **OEM Alternator Mounting Hardware** | | | | 19 | 5060990 | Dayco 6-Groove 99.0" Belt | 1 |
| 9 | N/A | OEM M10-1.5 x 90mm Hex Bolt | 1 | | K060990 | Gates 6-Groove 99.0" Belt | 1 |
| 10 | 1006927 | M10-1.5 x 30mm 10.9Gr Hex Flange Bolt | 1 | | | | |

**CW Mill Equipment Co., Inc.**
14 Commerce Drive Sabetha, KS 66534
Phone: (785) 284-3454
Fax: (785) 284-3601
Email: brackets@cwmill.com
Website: **www.cwkits.com**

# VFK24192V-I6

**2021-2022 Ford E-350-E-450 Cutaway Van**
**7.3L V8 Gas w/ A/C, w/o Dual Alternators**

**Requires 6-groove Pulley**
**For use w/ Vortec 92V-Style Alternator**

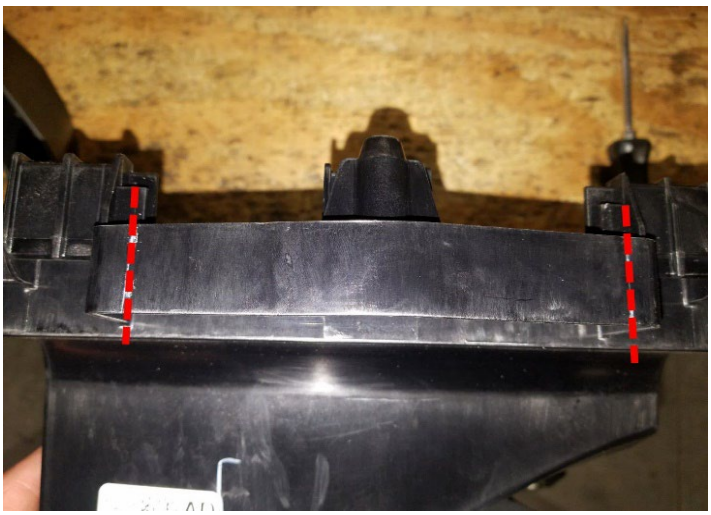


**CW Mill Equipment Co., Inc.**
14 Commerce Drive Sabetha, KS 66534
Phone: (785) 284-3454
Fax: (785) 284-3601
Email: brackets@cwmill.com
Website: **www.cwkits.com**

# VFK24192V-I6

**2021-2022 Ford E-350-E-450 Cutaway Van**
**7.3L V8 Gas w/ A/C, w/o Dual Alternators**

**Requires 6-groove Pulley**
**For use w/ Vortec 92V-Style Alternator**



**Air Cleaner Box Assembly (Cut at Red Lines)**

**Air Cleaner Box Assembly (Cut at Red Lines)**

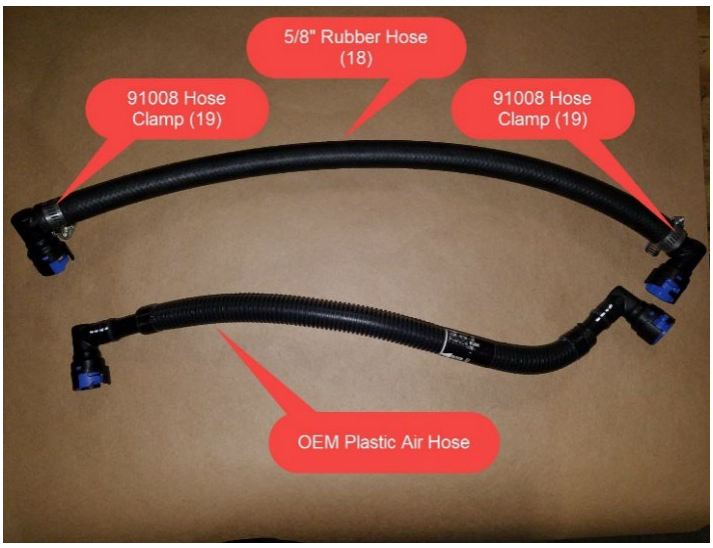
**Air Cleaner Box Assembly**

**CW Mill Equipment Co., Inc.**
14 Commerce Drive Sabetha, KS 66534
Phone: (785) 284-3454
Fax: (785) 284-3601
Email: brackets@cwmill.com
Website: **www.cwkits.com**

# VFK24192V-I6

**2021-2022 Ford E-350-E-450 Cutaway Van**
**7.3L V8 Gas w/ A/C, w/o Dual Alternators**

**Requires 6-groove Pulley**
**For use w/ Vortec 92V-Style Alternator**




**Emissions Hose Assembly**