

**A wrench is available and suggested for removal and retorquing of the crank pulley bolts. PART# VM20WR-1.
This is sold separately.**

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, sale terms, and warranties for the vehicle and all system components prior to attempting installation.
3. If necessary, allow the engine to cool down before proceeding. To make the add-on pulley installation easier, it is best to drain the engine coolant and remove the plastic portion of the lower radiator hose that is covering the front of the crank pulley.
4. With the lower radiator hose out of the way, remove the plastic dust cap from the crank pulley. It will not be reused. Use the wrench to hold the engine from turning by placing two of the countersunk bushings over two of the crank pulley bolts. Loosen the exposed bolt. Do not completely remove the loosened bolt from the crank pulley for now. With the bolt loose, move the tool to two other bolts and repeat this until all four bolts are loose. Remove all four bolts at this time. They will not be reused.
5. Attach the other end of the wrench to the add-on drive pulley adaptor (2) using two bolts (3) provided in the kit. Install the add-on drive pulley adaptor (2) with bolts (4). Run all bolts in until snug. Torque bolts in a crossing pattern at the torque specs below:
 - a. Step 1: 30 ft/lbs.
 - b. Step 2: 50 ft/lbs.
 - c. Step 3: 70 ft/lbs.
6. Install the add-on drive pulley (1) to the add-on drive pulley adaptor (2) using bolts (3). Torque to 25 ft/lbs.
7. Install the main bracket (5) onto the engine oil pan with bolts (7) at location [A], bolts (8) at location [B], and bolt (9) at location [C]. Make sure the bracket is touching all location before tightening. Grind off any areas that might be causing the bracket to not mount up properly. Torque bolts to 24 ft/lbs.
8. Install smooth idler pulleys (10) with bolts (12) and alignment bushings (11) onto the main bracket (1).
9. Install the tensioner assembly (13) onto the main bracket (1) with bolt (14).
10. Install the auxiliary A/C compressor onto the main bracket (1) with mounting hardware (15-17).
11. Install the serpentine belt (19) as shown in the diagram. On 8-groove clutches the belt will run in the middle 6-grooves of the clutch.
12. Replace the lower radiator hose, and use spacer (18) at the mounting location of the lower radiator hose to space it forward for clearance to the drive pulley. Replace the engine coolant.

CAUTION: Before starting the engine, check to make certain no wires, hoses, etc. that may have been disturbed during installation do not come in contact with any hot or moving parts. Properly refill any fluids that may have been drained. Check for leaks. Run the engine and check for proper belt tracking and clearance of any hoses, wires, etc. It is the installer's responsibility to correct/adjust any components, if necessary, before the vehicle is put into service.



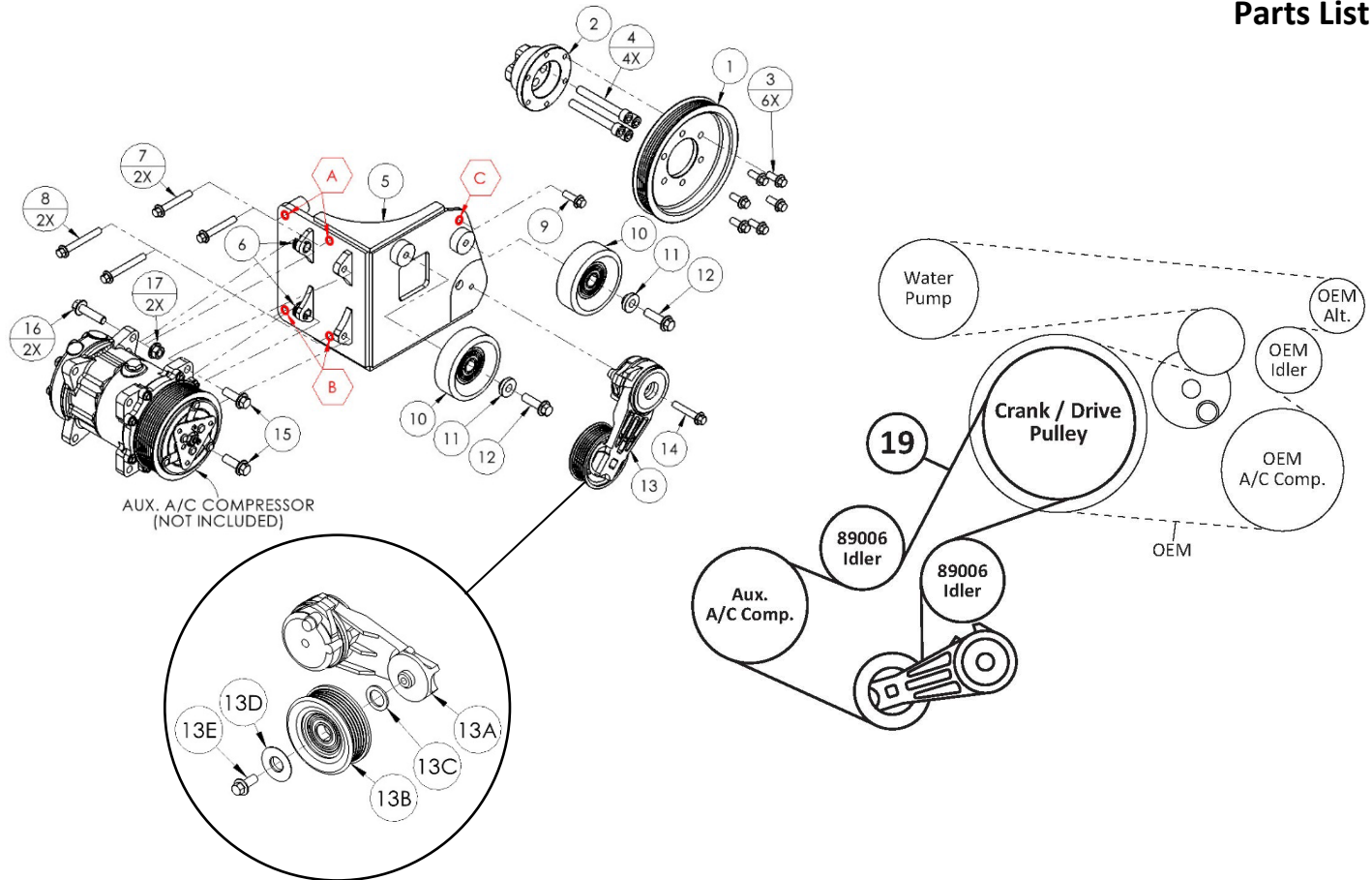
CW Mill Equipment Co., Inc.
14 Commerce Drive Sabetha, KS 66534
Phone: (785) 284-3454
Fax: (785) 284-3601
Email: brackets@cwmill.com
Website: www.cwkits.com

VMK20SD508-6

2023-2025 Mercedes-Benz Sprinter 2500-4500
2.0L 14 Diesel w/-w/o A/C, w/o Mercedes-Benz N62 or N63 Options

Requires 6 or 8-Groove, 119mm Diameter Clutch
For use w/ TM13, TM15 or TM16 Ear Mount Compressor
135% Overdrive Ratio w/ 119mm Diameter Clutch

Parts List



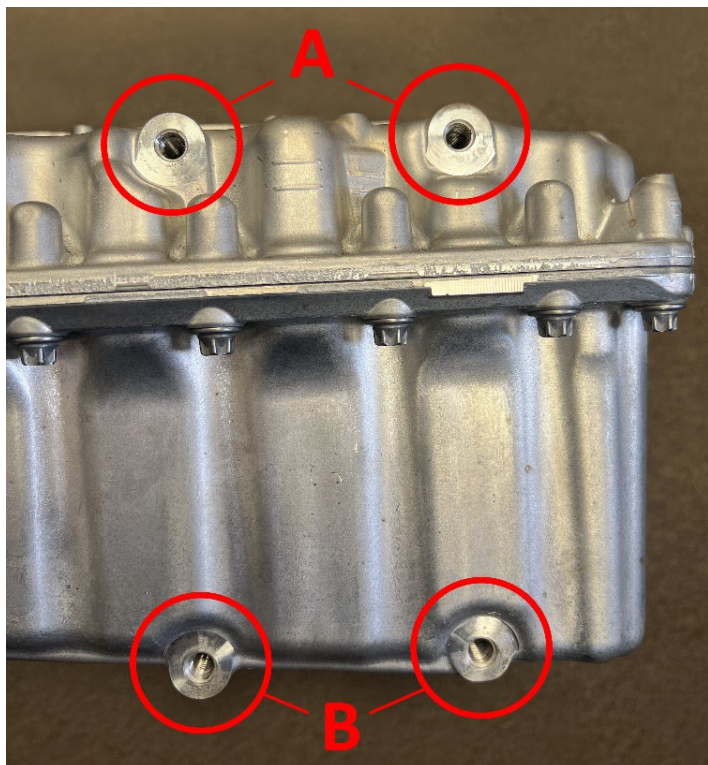
PARTS LIST							
Item	Part Number	Description	Qty.	Item	Part Number	Description	Qty.
Add-on Drive Pulley				Tensioner Assembly			
1	VMPC206-6.5	Add-on Drive Pulley (6.25" Dia. of Grooves)	1	13	89364-051A	Custom Assembled Tensioner	1
Add-on Drive Pulley Adaptor				13a	89364	Dayco Tensioner Arm	1
2	VMPA20	Add-on Drive Pulley Adaptor	1	13b	89051	Dayco 6-Groove Idler Pulley	1
Add-on Drive Pulley Mounting Hardware				13c	1022570	Custom Spacer	1
3	1013329	M8-1.25 x 20mm 10.9Gr Hex Flg. Bolt	6	13d	N/A	OEM Dayco 89364 Dust Cover	1
Add-on Drive Pulley Adaptor Mounting Hardware				13e	N/A	OEM Dayco 89364 Idler Pulley Bolt	1
4	1022569	M10-1.0 x 80mm 12.9Gr SHCS	4	14	1022567	M8-1.25 x 45mm 10.9Gr Hex Flg. Bolt	1
Auxiliary A/C Compressor Mounting Bracket				Auxiliary A/C Compressor Mounting Hardware			
5	VMP20SD508-6	Auxiliary A/C Compressor Mounting Bracket	1	15	1006927	M10-1.5 x 30mm 10.9Gr Hex Flg. Bolt	2
6	1011888A	M14 Slide Bushing (Installed)	2	16	1006933	M10-1.5 x 40mm 10.9Gr Hex Flg. Bolt	2
Auxiliary A/C Compressor Mounting Bracket Mounting Hardware				17	1018204	M10-1.5 10.9Gr Hex Flg. Nut	2
7	1018237	M8-1.25 x 55mm 10.9Gr Hex Flg. Bolt	2	Lower Radiator Hose Spacer (Not Shown)			
8	1022522	M8-1.25 x 65mm 10.9Gr Hex Flg. Bolt	2	18	SP64-0.1875	3/4" OD x 13/32" ID x 3/16" Length Spacer	1
9	1011887	M8-1.25 x 25mm 10.9Gr Hex Flg. Bolt	1	Belt (Only One Belt is Supplied)			
Smooth Idler Pulley Assembly				19	5060545	Dayco 6-Groove, 54.5" Belt	1
10	89006	Dayco Smooth Idler Pulley	2		K060544	Gates 6-Groove, 54.4" Belt	1
11	FMB480	Machined Idler Alignment Bushing	2		1060545	Goodyear 6-Groove, 54.5" Belt	1
12	1022566	M10-1.5 x 35mm 10.9Gr Hex Flg. Bolt	2		6PK1380	Bando 6-Groove, 1380mm Belt	1

VMK20SD508-6

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2.0L 14 Diesel w/-w/o A/C, w/o Mercedes-Benz N62 or N63 Options

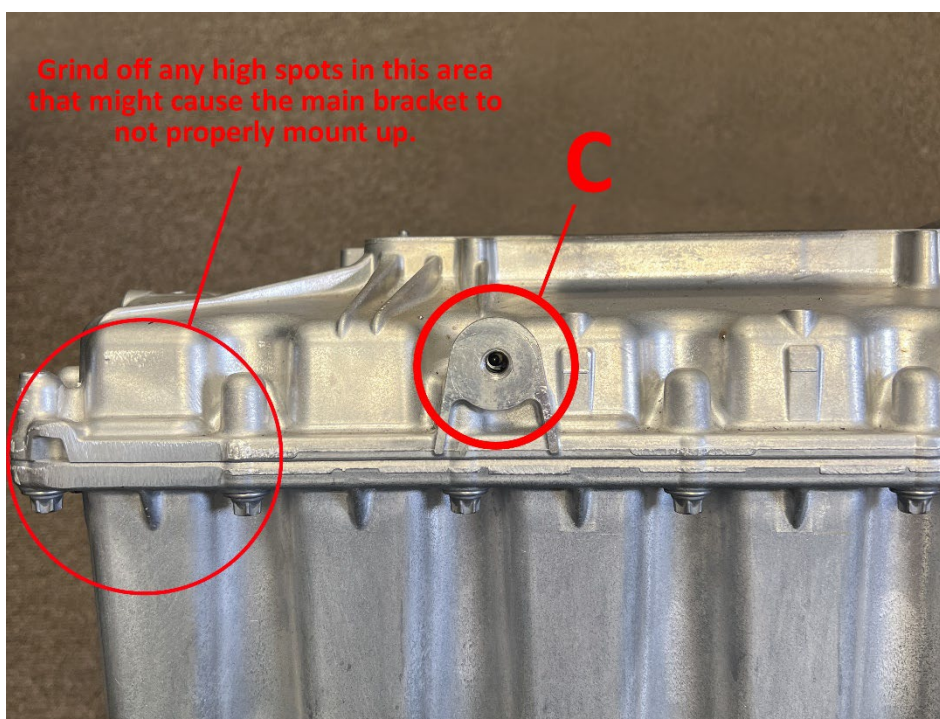
Requires 6 or 8-Groove, 119mm Diameter Clutch
For use w/ TM13, TM15 or TM16 Ear Mount Compressor
135% Overdrive Ratio w/ 119mm Diameter Clutch

Mounting Locations



Mounting Locations, A & B:

Passenger side of the engine oil pan.



Mounting Location, C:

Front side of the engine oil pan.



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3/11/2025