



# Vehicle-Integrated Air System Application

***VMAC designs and manufactures the most compact and powerful mobile air***

## **VMAC Vehicle-Integrated Air Systems include:**

- Underhood 40 CFM - Truck Series Air Compressors (VR40)
- Underhood 40 CFM - Van Series Air Compressors (VR40)
- Underhood 70 CFM Air Compressors (VR70)
- Underhood 70 CFM - Green Series Air Compressors (VR70G)
- Underhood 150 CFM Air Compressors (VR150)
- Direct-Transmission Mounted 70 CFM Air Compressors (DTM70 & DTM70-H)

**Green Series Air Compressors:** Improves fuel economy and saves money on fuel every day. VMAC Intelligent Digital Controls turn your truck engine off when air isn't needed and turn your truck engine back on when air is needed again. Auxiliary air receiver tank rated to 200psi required.

## **Vehicle-Integrated Mounting Kits:**

VMAC engineers truck mounting kits for the easiest possible installation. Working closely with leading vehicle manufacturers, VMAC ensures that mounting kits do not affect OEM warranties. Please refer to the specific Vehicle Manufacture page in this Application List for VMAC part numbers and vehicle specific fitment requirements.

## **Vehicle-Integrated Mounting Kits are available for:**

- FORD See pages 2-5
- GMC/CHEVROLET See pages 6-8
- DODGE/RAM See pages 9-10
- OTHER See pages 11-12

## **NOTES FOR CONSIDERATION:**

- The following specifications are subject to change without notice.
- Trucks with running boards or other OEM or aftermarket accessories may need slight modification for air system installation.
- \* Denotes that a new model year confirmation is pending - call VMAC Sales for availability - 1-877-912-6605.
- A Lisle 43300 Pneumatic Fan Clutch Wrench is recommended for all installations. This tool will replace both VMAC tools 5900094 & 5900219.
- A JR2386 Flywheel Holding Tool is required for GMC/Chevrolet Vortec kits.
- Max CFM is ASME tested CFM at highest recommended vehicle engine RPM.

**DISCLAIMER ON INSTALL TIMES:** Install times are based upon having pre-read the install manual, being an experienced installer, and having the tools, system and vehicle prepped for install. Times may vary plus/minus 4 hours of the suggested install times published in this document.

All VMAC air systems feature the patented VMAC rotary screw air compressor which includes a VMAC Lifetime Warranty.



# VMAC Vehicle-Integrated Air System Application List

Vehicle Manufacturer: FORD

\* call for availability

Engine	Chassis	Model year		System Type	VMAC Part #	Special Fitment Requirements/Tech Bulletin/Adaptor Kit	VMAC Tools Required	Max CFM	Max psi	Install Time	
		To	From								
6.7L Power Stroke V8 Diesel	F250-F550 SuperDuty	2018	2017	VR70	<a href="#">V900140</a>	Battery relocation required.		70	175	18-22	
				VR150	<a href="#">V910020</a>	Battery relocation required. AOST Inboard Mounting Kit <b>A700250</b> recommended for F350-F550 chassis-cab trucks (no pickups) without midship fuel tank. See tech bulletin <a href="#">EXT-ACC-002</a> . Additional hose lengths not included.		101	175	18-22	
				DTM70	<a href="#">DM00011</a>			70	175	16-18	
				DTM70-H	<a href="#">DM20011</a>	Various pump options available. See below		70	175	16-18	
	F250-F450 (F550**) SuperDuty	2018	2017	VR40	<a href="#">V400011*</a>	Will not fit dual alternator trucks. Trucks without secondary cooling system water pump with integrated mounting ears require adapter kit <b>A900018</b> . See tech bulletin <a href="#">EXT-VL-001</a> . **Limited fitment available dependent on alternator configuration. Minimum 6 gallon auxiliary tank is necessary for optimal system operation.		40	150	6-8	
				VR70	<a href="#">V900130</a>			70	175	24-27	
	F250-F550 SuperDuty	2016	2011	VR70G	<a href="#">V90G120</a>	Auxiliary air receiver tank rated to 200psi required.		70	175	27-30	
				VR150	<a href="#">V910010</a>			113	175	25-27	
				DTM70	<a href="#">DM00001</a>		5900272	70	175	16-18	
	F650-F750 Super Duty	2018	2016	VR150	<a href="#">V910017</a>	Will not fit trucks with air brakes or air suspension or where OEM air compressor fitted.		106	175	18-22	
				DTM70	<a href="#">DM00002</a>			70	175	16-18	
								5900272 - Cab Clearancing Tool			
								A900018 - Water Pump Compatibility Adaptor Kit			
								4500150 - DTM70-H Hydraulic Pump - (8.1 - 14.9 GPM @ 3,265 psi)			
							4500149 - DTM70-H Hydraulic Pump - (7.4 - 13.6 GPM @ 3,410 psi)				
							4500148 - DTM70-H Hydraulic Pump - (4.9 - 10.7 GPM @ 3,265 psi)				
							4500147 - DTM70-H Hydraulic Pump - (3.5 - 8.0 GPM @ 3,265 psi)				

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Vehicle Manufacturer: FORD

Engine	Chassis	Model year		System Type	VMAC Part #	Special Fitment Requirements/Tech Bulletin/Adaptor Kit	VMAC Tools Required	Max CFM	Max psi	Install Time
		To	From							
6.4L Power Stroke V8 Diesel	F250-F550 SuperDuty	2010	2008	VR70	<a href="#">V900110</a>	Will not fit trucks with dual alternators - call for info on tech bulletin <a href="#">EXT-VR-077</a> .	5900219	70	175	10-12
		2010	2008	VR150	<a href="#">V910008</a>			142	175	11-13
5900219 - Water Pump Wrench (Lisle 43300 can be substituted)										

Engine	Chassis	Model year		System Type	VMAC Part #	Special Fitment Requirements/Tech Bulletin/Adaptor Kit	VMAC Tools Required	Max CFM	Max psi	Install Time
		To	From							
6.8L Triton V10 Gas	F450-F550 SuperDuty	2018	2017	VR70	<a href="#">V900121</a>			70	175	10-12
				VR150	<a href="#">V910021</a>	AOST Inboard Mounting Kit <b>A700250</b> recommended for F350-F550 chassis-cab trucks (no pickups) without midship fuel tank. See tech bulletin <a href="#">EXT-ACC-002</a> . Additional hose lengths not included.		106	175	10-12
		2016	2011	VR70	<a href="#">V900111</a>			70	175	10-12
				VR70G	<a href="#">V90G111</a>	Auxiliary air receiver tank rated to 200psi required.	5900245	70	175	14-16
				VR150	<a href="#">V910011</a>			106	175	11-13
	F650-F750 SuperDuty	2018	2011	VR150	<a href="#">V910016</a>	Hydraulic brakes only.		106	175	11-13
5900245 - AC Bending Tool										

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Vehicle Manufacturer: FORD

Engine	Chassis	Model year		System Type	VMAC Part #	Special Fitment Requirements/Tech Bulletin/Adaptor Kit	VMAC Tools Required	Max CFM	Max psi	Install Time
		To	From							
6.2L Boss V8 Gas	F250-F350 SuperDuty	2018	2017	VR40	<a href="#">V400012</a>			40	150	10-12
				VR70	<a href="#">V900122</a>	Dual batteries will require adaptor kit <b>A900016</b> . (Ford order code 86M)		70	175	10-12
				VR150	<a href="#">V910022</a>	Dual batteries will require adaptor kit <b>A900016</b> . (Ford order code 86M) AOST Inboard Mounting Kit <b>A700250</b> recommended for F350-F550 chassis-cab trucks (no pick-ups) without midship fuel tank. See tech bulletin <a href="#">EXT-ACC-002</a> . Additional hose lengths not included.		109	175	10-12
		2016	2011	VR70	<a href="#">V900112</a>			70	175	10-12
						VR150	<a href="#">V910012</a>			109
A900016 - Battery Relocation Adaptor Kit										

Engine	Chassis	Model year		System Type	VMAC Part #	Special Fitment Requirements/Tech Bulletin/Adaptor Kit	VMAC Tools Required	Max CFM	Max psi	Install Time
		To	From							
3.7L Duratec V6 Gas	Transit	2018	2013	VR40	<a href="#">V400014</a>	Minimum 6 gallon auxiliary tank is necessary for optimal system operation.		40	150	8-10

Engine	Chassis	Model year		System Type	VMAC Part #	Special Fitment Requirements/Tech Bulletin/Adaptor Kit	VMAC Tools Required	Max CFM	Max psi	Install Time
		To	From							
3.5L EcoBoost V6 Gas	Transit	2018	2013	VR40	<a href="#">V400009</a>	Minimum 6 gallon auxiliary tank is necessary for optimal system operation.		40	150	16-20

# VMAC Vehicle-Integrated Air System Application List

Vehicle Manufacturer: GMC / Chevrolet

\* call for availability

Engine	Chassis	Model year		System Type	VMAC Part #	Special Fitment Requirements/Tech Bulletin/Adaptor Kit	VMAC Tools Required	Max CFM	Max psi	Install Time
		To	From							
6.6L Duramax V8 Diesel	C/K 2500HD - C/K 3500HD	2018	2017	VR70	<a href="#">V900133*</a>	**Dual alternator trucks.	5900010 5900076	60	175	14-16
		2016	2015	VR70	<a href="#">V900113</a>			70	175	12-14
		2014	2011	VR70		**Dual alternator trucks. 2011-2014 trucks require adaptor kit <b>A900010</b> .		70	175	12-14
<a href="#">**Dual alternator call for info on tech bulletin EXT-VR-089</a>										
5900010 - Crank Locking Tool (Lisle 22100 can be substituted) , 5900076 - Crank Pin Removal Tool										
A900010 - Tank Mount Adaptor Kit										

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Vehicle Manufacturer: GMC / Chevrolet

\* call for availability

Engine	Chassis	Model year		System Type	VMAC Part #	Special Fitment Requirements/Tech Bulletin/Adaptor Kit	VMAC Tools Required	Max CFM	Max psi	Install Time
		To	From							
6.0L Vortec V8 Gas	C/K 2500HD Pick Up C/K 3500HD Pick Up & Chassis Cab	2018	2012	VR70	<a href="#">V900127</a>	RPO Code NV8 - requires adaptor kit <b>A900017</b> , call for info on tech bulletin <a href="#">EXT-VR-017</a> . RPO code L96 required.		70	175	8-10
		2011	2011	VR70	<a href="#">V900117</a>			70	175	8-10
		2018	2011	VR40	<a href="#">V400007</a>	Minimum 6 gallon auxiliary tank is necessary for optimal system operation. RPO code L96 required.		40	150	6-8
	C/K 2500HD - C/K 3500HD	2010	2007	VR70	<a href="#">V900108</a>	Must have 8th digit "G" or "U" in VIN #. RPO code JL1 (trailer brake controls) use adaptor kit <b>A900007</b> .		70	175	8-10
	C/K 2500HD - C/K 3500HD GMT900	2010	2007	VR70	<a href="#">V900107</a>	Must have 8th digit "K" in VIN #. RPO code JL1 (trailer brake controls) use adaptor kit <b>A900007</b> . Will fit Reg/Ext Cab mfg after 4 Feb 2007; Crew Cab mfg after 25 Mar 2007; Dually mfg after 29 April 2007		70	175	8-10
	Savana G Series & Express Van	2018	2017	VR40	<a href="#">V400015</a>	Minimum 6 gallon auxiliary tank is necessary for optimal system operation. RPO code L96 required.		40	150	6-8
A900007 - Inlet Spacer Adaptor Kit , A900017 - Active Hydraulic Assist (AHA) Relocation Adaptor Kit										

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Vehicle Manufacturer: GMC / Chevrolet

\* call for availability

Engine	Chassis	Model year		System Type	VMAC Part #	Special Fitment Requirements/Tech Bulletin/Adaptor Kit	VMAC Tools Required	Max CFM	Max psi	Install Time
		To	From							
5.3 L Vortec V8 Gas	2500 - 3500 Pick Up & Chassis Cab	2018	2011	VR40	<a href="#">V400007</a>	Minimum 6 gallon auxiliary tank is necessary for optimal system operation. RPO code LY5 or LH6 required.		40	150	6-8
	Savana G Series & Express Van	2018	2017	VR40	<a href="#">V400015</a>			40	150	6-8

Engine	Chassis	Model year		System Type	VMAC Part #	Special Fitment Requirements/Tech Bulletin/Adaptor Kit	VMAC Tools Required	Max CFM	Max psi	Install Time
		To	From							
4.8 L Vortec V8 Gas	2500 - 3500 Pick Up & Chassis Cab	2018	2011	VR40	<a href="#">V400007</a>	Minimum 6 gallon auxiliary tank is necessary for optimal system operation. RPO code L20 required.		40	150	6-8
	Savana G Series & Express Van	2018	2017	VR40	<a href="#">V400015</a>			40	150	6-8

# VMAC Vehicle-Integrated Air System Application List

Vehicle Manufacturer: RAM

Engine	Chassis	Model year		System Type	VMAC Part #	Special Fitment Requirements/Tech Bulletin/Adaptor Kit	VMAC Tools Required	Max CFM	Max psi	Install Time
		To	From							
6.7L Cummins 24V Inline 6 Diesel	3500-5500 Chassis Cab 2500-3500 Pick Up	2018	2015	VR70	<a href="#">V900136</a>	**Dual alternator trucks call for info on tech bulletin <a href="#">EXT-VR-001</a> . 2500 - 3500 Pick up & 3500 Chassis Cab require adaptor kit A900008.		70	175	18-24
	VR70G			<a href="#">V90G136***</a>			70	175	20-30	
	VR150			<a href="#">V910023</a>			100	175	18-26	
	3500-5500 Chassis Cab 2500-3500 Pick Up	2014	2013	VR70	<a href="#">V900126</a>			70	175	18-24
	VR70G			<a href="#">V90G126***</a>			70	175	20-30	
	VR150			<a href="#">V910013</a>			100	175	18-26	
	3500-5500 Chassis Cab 2500-3500 Pick Up	2018	2013	VR40	<a href="#">V400006</a>	**Dual alternator trucks call for info on tech bulletin <a href="#">EXT-VR-001</a> . Minimum 6 gallon auxiliary tank is necessary for optimal system operation.		40	150	6-8
	2500-3500 Chassis Cab & 4x4 Pick Up	2012	2010	VR70	<a href="#">V900114</a>	With air conditioning only; will not fit 4x2 pick up truck.		70	175	10-12
	4500-5500 Chassis Cab	2012	2011	VR70	<a href="#">V900116</a>	With air conditioning only		70	175	10-12
	***VR70G - AISIN automatic transmission only; must have PTO prep package (option code LBN); cannot have keyless remote start system (option code XBM). Auxiliary air receiver tank rated to 200psi required.									
							5900220 - Fan Countersink Tool			
							A900008 - Tank Mount Adaptor Kit			



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Vehicle Manufacturer: RAM

Engine	Chassis	Model year		System Type	VMAC Part #	Special Fitment Requirements/Tech Bulletin/Adaptor Kit	VMAC Tools Required	Max CFM	Max psi	Install Time
		To	From							
5.7L HEMI V8 Gas	2500-3500 Pick Up	2018	2014	VR70	<a href="#">V900118</a>	Will not fit dual alternator trucks - call for info on tech bulletin <a href="#">EXT-VR-145</a> . 5.7L HEMI requires adaptor kit <b>A900011</b> .	5900245	70	175	14-16
6.4L HEMI V8 Gas								70	175	14-16
5.7L HEMI V8 Gas	3500-5500 Chassis Cab	2018	2014	VR70	<a href="#">V900119</a>		5900245	70	175	14-16
6.4L HEMI V8 Gas								70	175	14-16
							5900245 - AC Bending Tool			
							A900011 - Fan Spacer Adaptor Kit			

# VMAC Vehicle-Integrated Air System Application List

Vehicle Manufacturer: Mercedes-Benz / Freightliner

Engine	Chassis	Model year		System Type	VMAC Part #	Special Fitment Requirements/Tech Bulletin/Adaptor Kit	VMAC Tools Required	Max CFM	Max psi	Install Time
		To	From							
3.0L BlueTec V6 Turbo Diesel	Sprinter	2018	2010	VR40	<a href="#">V400003</a>	No Mercedes-Benz auxiliary kits can be installed. Minimum 6 gallon auxiliary tank is necessary for optimal system operation.	5900252 & 5900254	40	150	12-14
5900252 - Counter Rotation Tool, 5900254 - Sprinter Tool Handle (Mercedes tools A1260 & AST4394 can be substituted)										

Vehicle Manufacturer: International

Engine	Chassis	Model year		System Type	VMAC Part #	Special Fitment Requirements/Tech Bulletin/Adaptor Kit	VMAC Tools Required	Max CFM	Max psi	Install Time
		To	From							
Maxforce 7 V8 Diesel	Class 4/5 Terrastar 4 x 4	2016	2011	VR70	<a href="#">V900109</a>	4 x 2 will require adaptor kit <b>A900009</b>		70	175	8-9
A900009 - Tank Mount Adaptor Kit										