

LiquidSpring Application Guide: Full Line, p/n D11534 Rev E

														Application				
Model	Model Years	Axle GAWR (either Axle or Susp) (lbs)	Axle Model(s)	Cab	WB (in)	CA (in)	Frame	Engine	Fuel Tank Location	Brakes	OEM Susp. GAWR Type	On Spot Avail?	LiquidSpring Kit / Max Rating (lbs)	Comments	General	Ambulance	Bus	Motorhome
Ford																		
E-Series Cutaway / Strip Chassis																		
REAR E350	2006-Current	8500	n/a	Cutaway, Strip	158, 176	100, 118	n/a	Any	Mid*, Rear	n/a	n/a	No	DS85FS2 8500	* Mid ship fuel tank may require relocation of power module	X	X	X	
	2006-Current	8500	n/a	Cutaway	158, 176	100, 118	n/a	Any	Rear	n/a	n/a	No	DS85FS2-BA 8500	Uses 10830-014 volume mounts on driver side (vol. under frame)		X		
REAR E450	2006-Current	9600	n/a	Cutaway, Strip	158, 176	100, 118	n/a	Any	Mid*, Rear	n/a	n/a	No	DS96FS2 9600	* Mid ship fuel tank may require relocation of power module	X	X	X	
	2006-Current	9600	n/a	Cutaway, Strip	158, 176	100, 118	n/a	Any	Rear	n/a	n/a	No	DS96FS2M 9600	Uses NC rate valves				X
	2006-Current	9600	n/a	Cutaway	158, 176	100, 118	n/a	Any	Rear	n/a	n/a	No	DS96FS2-BA 9600	Uses 10830-014 volume mounts on driver side (vol. under frame)		X		
	2006-Current	9600	n/a	Cutaway	SP	SP	n/a	Any	Rear	n/a	n/a	No	DS96FS2-MC 9600	Uses NC rate valves. Special unit fo Chinook RV.				X
REAR Champion E450 Low Floor	2006-Current	9600	n/a	Cutaway	SP	SP	n/a	Any	Rear	n/a	n/a	No	DS96FS2-CLF	Special unit for Champion Low Floor bus			X	
F350 Cab Chassis																		
REAR F350 4x2 Cab Chassis	2017-Current	10040	n/a	Reg	169	84	n/a	Any	Mid*, Rear	n/a	n/a	Yes	DS100F2 10040	* Mid ship fuel tank may require relocation of OEM DEF tank	X	X		
	2011-2016	9750	n/a	Reg	165	84	n/a	Any	Mid*, Rear	n/a	n/a	Yes	DS98F2 9750	* Mid ship fuel tank may require relocation of OEM DEF tank	X	X		
	2017-Current	10040	n/a	Reg	169	84	n/a	Any	Dual	n/a	n/a	Yes	DS100F2F 10040	Special unit for Frazer. PM mounted behind rear fuel tank.	X	X		
REAR F350 4x4 Cab Chassis	2017-Current	10040	n/a	Reg	169	84	n/a	Any	Mid*, Rear	n/a	n/a	Yes	DS100F4 10040	* Mid ship fuel tank may require relocation of OEM DEF tank	X	X		
	2011-2016	9750	n/a	Reg	165	84	n/a	Any	Mid*, Rear	n/a	n/a	Yes	DS98F4 9750	* Mid ship fuel tank may require relocation of OEM DEF tank	X	X		
	2017-Current	10040	n/a	Reg	169	84	n/a	Any	Dual	n/a	n/a	Yes	DS100F4F 10040	Special unit for Frazer. PM mounted behind rear fuel tank.	X	X		

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Model	Model Years	Axle GAWR (either Axle or Susp) (lbs)	Axle Model(s)	Cab	WB (in)	CA (in)	Frame	Engine	Fuel Tank Location	Brakes	OEM Susp. GAWR Type	On Spot Avail?	LiquidSpring Kit / Max Rating (lbs)	Comments	Application			
															General	Ambulance	Bus	Motorhome
F450 Cab Chassis																		
FRONT F450 Cab Chassis	2017-Current	7000	n/a	Reg, Reg, Ext, CC	169, 193, 205, 192, 205	84, 108, 120, 84, 84	n/a	Any	n/a	n/a	n/a	No	FS70F 7000 (FS70FC)	Front Suspension (requires Rear DS129FS3 kit) FS70FC includes FS70F and conversion kits for existing vehicles with DS129FS3 installed.	X	X		
	2017-Current	7000	n/a	Reg, Reg, Ext, CC	169, 193, 205, 192, 205	84, 108, 120, 84, 84	n/a	Any	n/a	n/a	n/a	No	FS70FF 7000 (FS70FFC)	Front Suspension (requires Rear DS129FS3F kit) FS70FFC includes FS70FF and conversion kits for existing vehicles with DS129FS3F installed.	X	X		
REAR F450 Cab Chassis	2017-Current	12880	n/a	Reg, Reg, Ext, CC	169, 193, 205, 192, 205	84, 108, 120, 84, 84	n/a	Any	Mid (gas), Rear	n/a	n/a	Yes	DS129FS3 12880	System does not fit on chassis with diesels mid-ship fuel tanks on 84" and 108" CA.	X	X		
	2017-Current	12880	n/a	Reg, Reg, Ext, CC	169, 193, 205, 192, 205	84, 108, 120, 84, 84	n/a	Any	Dual	n/a	n/a	Yes	DS129FS3F 12880	Special unit for Frazer. PM mounted behind rear fuel tank.	X	X		
	2011-2016	12000	n/a	Reg, Reg, Ext, CC	165, 189, 201, 186, 200	84, 108, 120, 84, 84	n/a	Any	Mid*, Rear	n/a	n/a	Yes	DS137FS2 13660	* Mid ship fuel tank may require relocation of OEM DEF tank on 84" and 108" CA vehicles.	X	X		
	2008-2010	12000	n/a	Reg, Reg, Ext, CC	165, 189, 201, 186, 200	84, 108, 120, 84, 84	n/a	Any	Mid*, Rear	n/a	n/a	Yes	DS137FS2-10 13660	* Mid ship fuel tank may require relocation of OEM DEF tank on 84" and 108" CA vehicles.	X	X		

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F550 Cab Chassis																		
FRONT F550 Cab Chassis	2017-Current	7000	n/a	Reg, Reg, Ext, CC	169, 193, 205, 192, 205	84, 108, 120, 84, 84	n/a	Any	n/a	n/a	n/a	No	FS70F 7000 (FS70FC)	Front Suspension (requires Rear DS147FS3 kit) FS70FC includes FS70F and conversion kits for existing vehicles with DS147FS3 installed.	X	X	X	X
	2017-Current	7000	n/a	Reg, Reg, Ext, CC	169, 193, 205, 192, 205	84, 108, 120, 84, 84	n/a	Any	n/a	n/a	n/a	No	FS70FF 7000 (FS70FFC)	Front Suspension (requires Rear DS147FS3F kit) FS70FFC includes FS70FF and conversion kits for existing vehicles with DS147FS3F installed.	X	X		
REAR F550 Cab Chassis 17500 GVW	2017-Current	13660	n/a	Reg, Reg, Ext, CC	169, 193, 205, 192, 205	84, 108, 120, 84, 84	n/a	Any	Mid (gas), Rear	n/a	n/a	Yes	DS147FS3 14704	System does not fit on chassis with diesels mid-ship fuel tanks on 84" and 108" CA.	X	X	X	X
	2011-2016	13660	n/a	Reg, Reg, Ext, CC	165, 189, 201, 186, 200	84, 108, 120, 84, 84	n/a	Any	Mid*, Rear	n/a	n/a	Yes	DS137FS2 13660	* Mid ship fuel tank may require relocation of OEM DEF tank on 84" and 108" CA vehicles.	X	X	X	X
	2011-2016	13660	n/a	Reg	201	120	n/a	Any	Rear	n/a	n/a	Yes	DS137FS2M 13660	Volumes double stacked outboard RH frame. NC Rate Valves. Created for Dodgen.				X
	2008-2010	13660	n/a	Reg, Reg, Ext, CC	165, 189, 201, 186, 200	84, 108, 120, 84, 84	n/a	Any	Mid*, Rear	n/a	n/a	Yes	DS137FS2-10 13660	* Mid ship fuel tank may require relocation of OEM DEF tank on 84" and 108" CA vehicles.	X	X	X	

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															General	Ambulance	Bus	Motorhome
REAR F550 Cab Chassis 19500 GVW	2017-Current	14706	n/a	Reg, Reg, Ext, CC	169, 193, 205, 192, 205	84, 108, 120, 84, 84	n/a	Any	Mid (gas), Rear	n/a	n/a	Yes	DS147FS3 14704	System does not fit on chassis with diesels mid-ship fuel tanks on 84" and 108" CA.	X	X	X	X
	2017-Current	14706	n/a	Reg, Reg, Ext, CC	169, 193, 205, 192, 205	84, 108, 120, 84, 84	n/a	Any	Dual	n/a	n/a	Yes	DS147FS3F 14704	Special unit for Frazer. PM mounted behind rear fuel tank.	X	X		
	2017-Current	14706	n/a	Reg	193	108	n/a	Any	Rear	n/a	n/a	Yes	DS147FS3-NY 14704	Kit created to work with FDNY ambulance (with Telma Retarder). Volumes are double stacked inside frame on LH side. PM located behind rear fuel tank.		X		
	2017-Current	14706	n/a	Reg, Ext, CC	205-257	n/a	n/a	Any	Mid, Rear	n/a	n/a	Yes	DS147FS3B 14704	Kit created to accommodate bus chassis that have a wheelbase stretched between 205" and 257"			X	
	2011-2016	14706	n/a	Reg, Reg, Ext, CC	165, 189, 201, 186, 200	84, 108, 120, 84, 84	n/a	Any	Mid*, Rear	n/a	n/a	Yes	DS147FS2 14704	* Mid ship fuel tank may require relocation of OEM DEF tank on 84" and 108" CA vehicles.	X	X	X	X
	2011-2016	14706	n/a	Reg	189	108	n/a	Any	Rear	n/a	n/a	Yes	DS147FS2-NY 14704	Kit created to work with FDNY ambulance (with Telma Retarder). Volumes are double stacked inside frame on LH side. PM located behind rear fuel tank.		X		

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															General	Ambulance	Bus	Motorhome
F650																		
REAR F650 ProLoader Tapered Frame	2016-Current	13500-17500 (12000)	Dana S140	Any	158+	84+	n/a	Diesel	Any	Hydraulic Only	12000 Air Ride	Yes	DS120F650LP-AH 12000	PM mount behind rear axle, forward mounted volumes	X	X		
	2008-2015	12000	Dana 17060S Meritor MS-17	Any	158+	84+	n/a	Any	Any	Hydraulic Only	12000 Air Ride	Yes	DS135F650-A 13500	Volumes double stacked LH inboard frame. PM LH below frame.	X	X		
	2008-2015	13500	Dana 17060S Meritor MS-17	Any	158+	84+	n/a	Any	Any	Hydraulic Only	13500 Leaf Springs	Yes	DS135F650-S 13500	Volumes double stacked LH inboard frame. PM LH below frame.	X	X		
REAR F650 Straight Rail Frame	2016-Current	17500-19000 (13500)	Dana S140	Any	158+	84+	n/a	Any	Any	Hydraulic Only	19000-21000 Leaf Springs	TBD	DS135F650SR-SHF 13500	Volumes forward, PM forward LH inboard frame (designed for bus)	X		X	X
	2016-Current	17500-19000 (13500)	Dana S140	Any	158+	84+	n/a	Any	Forward Only	Hydraulic Only	19000-21000 Leaf Springs	TBD	DS135F650SR-SHR 13500	Volumes rear, PM rear, Larger volumes, lower ride height (designed for ambulance)	X	X		
	2016-Current	17500-19000 (13500)	Dana S140	Any	158+	84+	n/a	Diesel	Any	Hydraulic Only	19000-21000 Air Ride	TBD	DS135F650SR-AH 13500	Volumes forward, PM forward LH inboard frame (ride optimized for 13500 GAWR)	X		X	X
	2016-Current	17500-19000 (13500)	Dana S140	Any	158+	84+	n/a	Diesel	Any	Hydraulic Only	19000-21000 Air Ride	TBD	DS190F650SR-AH 19000	Volumes forward, PM forward LH inboard frame	X		X	X

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															General	Ambulance	Bus	Motorhome
F53																		
REAR F53 16K GVW	2009-Current	11000	Dana 80	n/a	158 176 190	n/a	n/a	n/a	n/a	n/a	Steel Leaf 11000	No	DS120F53 12000	158" WB will require 11468 to mount PM in rear			X	X
REAR F53 18K GVW	2009-Current	12000	Dana 80	n/a	178 190 208 228	n/a	n/a	n/a	n/a	n/a	Steel Leaf 12000	No	DS120F53 12000				X	X
REAR F53 20.5K GVW	2009-Current	13500	Dana S13-110	n/a	208 228	n/a	n/a	n/a	n/a	n/a	Steel Leaf 13500	No	DS150F53 15000				X	X
REAR F53 22K GVW	2009-Current	15000	Dana S16-110	n/a	208 228 242	n/a	n/a	n/a	n/a	n/a	Steel Leaf 15000	No	DS150F53 15000				X	X
REAR F53 24K GVW	2009-Current	15500	Dana 17060S	n/a	242 252	n/a	n/a	n/a	n/a	n/a	Steel Leaf 15500	No	DS175F53 17500				X	X
REAR F53 26K GVW	2009-Current	17500	Dana 17060S	n/a	242 252	n/a	n/a	n/a	n/a	n/a	Steel Leaf 17500	No	DS175F53 17500				X	X

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															General	Ambulance	Bus	Motorhome
Freightliner																		
REAR M2-106	2012-Current	Up to 15000 (15000)	Meritor: MS-17-14X Detroit: RS-17.5-4 RS-17.5-2 RS-15.0-2**	Any	n/a	84+	546-020 546-021 546-094 546-093 546-099 546-100	Cummins Detroit Diesel	Forward Only	Hydraulic***	Steel Leaf: 622-1MA (10K) 622-1MB (12.5K) 622-1MC (16K) 622-1MD (18K) 622-1ME (18K) 622-1MT (18K)	Yes	DS150FR-S 15000	Volumes and PM behind rear axle. ** Kit 11337 needed with DA RS 15.0-2 axle *** Air brakes can be used if s-cams and s-cam tubes are converted to air ride compatible versions.	X	X	X	X
	2012-Current	Up to 15000 (15000)	Meritor: MS-17-14X Detroit: RS-17.5-4 RS-17.5-2 RS-15.0-2**	Any	n/a	84+	546-020 546-021 546-094 546-093 546-099 546-100	Cummins Detroit Diesel	Any	Hydraulic***	Steel Leaf: 622-1MA (10K) 622-1MB (12.5K) 622-1MC (16K) 622-1MD (18K) 622-1ME (18K) 622-1MT (18K)	Yes	DS150FR-SS 15000	Volumes forward, PM behind rear axle. ** Kit 11337 needed with DA RS 15.0-2 axle *** Air brakes can be used if s-cams and s-cam tubes are converted to air ride compatible versions.	X	X	X	X
	2012-Current	Up to 15000 (15000)	Meritor: MS-17-14X Detroit: RS-17.5-4 RS-17.5-2 RS-15.0-2**	Any	n/a	84+	546-020 546-021 546-094 546-093 546-099 546-100	Cummins Detroit Diesel	Any	Hydraulic***	Steel Leaf: 622-1MA (10K) 622-1MB (12.5K) 622-1MC (16K) 622-1MD (18K) 622-1ME (18K) 622-1MT (18K)	Yes	DS150FR-SSA 15000	Volumes forward, PM behind rear axle. ** Kit 11337 needed with DA RS 15.0-2 axle. Kit created for Braun (other ambulance mfr can use). Has 10830-013 volume mounts in place of 10830-015. *** Air brakes can be used if s-cams and s-cam tubes are converted to air ride compatible versions.		X		
	2012-Current	Up to 15000 (15000)	Meritor: MS-17-14X Detroit: RS-17.5-4 RS-17.5-2 RS-15.0-2**	Any	n/a	84+	546-020 546-021 546-094 546-093 546-099 546-100	Cummins Detroit Diesel	Forward Only	Air, Hydraulic	Air Susp: 622-1CW (10K) 622-1CX (12K) 622-1CY (15K)	Yes (hyd brks)	DS150FR-A 15000	Volumes and PM behind rear axle. ** Kit 11337 needed with DA RS 15.0-2 axle	X	X	X	X

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															General	Ambulance	Bus	Motorhome
REAR M2-106	2012-Current	Up to 15000 (15000)	Meritor: MS-17-14X Detroit: RS-17.5-4 RS-17.5-2 RS-15.0-2**	Any	n/a	84+	546-020 546-021 546-094 546-093 546-099 546-100	Cummins Detroit Diesel	Any	Air, Hydraulic	Air Susp: 622-1CW (10K) 622-1CX (12K) 622-1CY (15K)	Yes (hyd brks)	DS150FR-AS 15000	Volumes forward and PM behind rear axle. ** Kit 11338 needed with DA RS 15.0-2 axle	X	X	X	X
	2012-Current	Up to 15000 (15000)	Meritor: MS-17-14X Detroit: RS-17.5-4 RS-17.5-2 RS-15.0-2**	Any	n/a	84+	546-020 546-021 546-094 546-093 546-099 546-100	Cummins Detroit Diesel	Any	Air, Hydraulic	Air Susp: 622-1CW (10K) 622-1CX (12K) 622-1CY (15K)	Yes (hyd brks)	DS150FR-ASA 15000	Volumes forward, PM behind rear axle. ** Kit 11337 needed with DA RS 15.0-2 axle. Kit created for Braun (other ambulance mfr can use). Has 10830-013 volume mounts in place of 10830-015.		X		
	2012-Current	Up to 15000	Meritor: MS-17-14X Detroit: RS-17.5-4 RS-17.5-2 RS-15.0-2**	Any	n/a	84+	546-020 546-021 546-094 546-093 546-099 546-100	Cummins Detroit Diesel	Any	Air, Hydraulic	Air Susp: 622-1CW (10K) 622-1CX (12K) 622-1CY (15K)	Yes (hyd brks)	DS150FR-AR 15000	Volumes forward, PM forward RH inside of frame. Only use on forward exhaust routed down driver side. (Kit not recommended due to aux. equipment mounted by OEM). ** Kit 11338 needed with DA RS 15.0-2 axle	X	X	X	X
	2012-Current	Up to 15000 (15000)	Meritor: MS-17-14X Detroit: RS-17.5-4 RS-17.5-2 RS-15.0-2**	Any	n/a	84+	546-020 546-021 546-094 546-093 546-099 546-100	Cummins Detroit Diesel	Any	Air, Hydraulic	Air Susp: 622-1CW (10K) 622-1CX (12K) 622-1CY (15K)	Yes (hyd brks)	DS150FR-AREP 15000	Volumes forward, PM forward LH inside of frame. Only use on forward exhaust routed down passenger side. (Kit not recommended due to aux. equipment mounted by OEM). ** Kit 11338 needed with DA RS 15.0-2 axle	X	X	X	X
<p>Vehicle Interface Lighting (one of these locations):</p> <p>353-022 Vehicle interface wiring with body builder connector mounted back of cab.</p> <p>353-023 Vehicle interface wiring with body builder connector mounted end of frame.</p> <p>353-026 Vehicle interface wiring and PDM with body builder connector back of cab.</p> <p>353-027 Vehicle interface wiring and PDM with body builder connector end of frame.</p> <p>Transmission Interface Connector (one of these locations):</p> <p>34C-001 Transmission Interface Harness at front fire wall</p> <p>34C-002 Transmission Interface Harness at back of cab</p>																		
Freightliner Custom Chassis																		
REAR S2C, S2	2012-Current	Up to 15000	Meritor: MS-17-14X Detroit: RS-17.5-4 RS-17.5-2 RS-15.0-2**	n/a	n/a	84+	n/a	Cummins Detroit Diesel	Any	Hydraulic Only	10K-20K Steel Leaf	TBD	DS150FRC-SB 15000	Volumes and PM forward LH inside frame. Designed for 19.5" tires	X		X	X
	2012-Current	Up to 15000	Meritor: MS-17-14X Detroit: RS-17.5-4 RS-17.5-2 RS-15.0-2**	Any	n/a	84+	546-020 546-021 546-094 546-093 546-099 546-100	Cummins Detroit Diesel	Side	Hydraulic Only	10K-20K Steel Leaf	Yes	DS150FRC-SBX 15000	Volumes rear, PM forward LH inside frame. Designed for 22.5" tires	X		X	X

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															General	Ambulance	Bus	Motorhome
General Motors (Chevrolet/GMC)																		
Express/Savana G-Series Cutaway																		
REAR G3500: G33503 G33803 G33903	2018-Current	8600	n/a	Cutaway	139, 159, 177	80, 100, 118	n/a	Gas	Midship	n/a	n/a	No	DS96GM3-AM 9600	PM rear mount	X	X	X	
	2013-2017	8600	n/a	Cutaway	139, 159, 177	80, 100, 118	n/a	Gas	Midship	n/a	n/a	No	DS96GM2-AM 9600	PM rear mount (speed different for 2018)	X	X	X	
	2018-Current	8600	n/a	Cutaway	139, 159, 177	80, 100, 118	n/a	Gas	Rear	n/a	n/a	No	DS96GM3-AR 9600	PM forward, LH inside frame	X	X	X	
	2013-2017	8600	n/a	Cutaway	139, 159, 177	80, 100, 118	n/a	Gas	Rear	n/a	n/a	No	DS96GM2-AR 9600	PM forward, LH inside frame (speed different for 2018)	X	X	X	
REAR G4500: G33803 G33903	2018-Current	9600	n/a	Cutaway	139, 159, 177	80, 100, 118	n/a	Gas	Midship	n/a	n/a	No	DS96GM3-AM 9600	PM rear mount	X	X	X	
	2013-2017	9600	n/a	Cutaway	139, 159, 177	80, 100, 118	n/a	Gas	Midship	n/a	n/a	No	DS96GM2-AM 9600	PM rear mount (speed different for 2018)	X	X	X	
	2018-Current	9600	n/a	Cutaway	139, 159, 177	80, 100, 118	n/a	Gas	Rear	n/a	n/a	No	DS96GM3-AR 9600	PM forward, LH inside frame	X	X	X	
	2013-2017	9600	n/a	Cutaway	139, 159, 177	80, 100, 118	n/a	Gas	Rear	n/a	n/a	No	DS96GM2-AR 9600	PM forward, LH inside frame (speed different for 2018)	X	X	X	
REAR G4500 based Low Floor bus (Arboc)	2018-Current	9600	n/a	Cutaway	n/a	n/a	n/a	Gas	Rear	n/a	n/a	No	DS96GM3-ALF 9600	PM forward, LH inside frame, Volumes mounted high and outboard from frame. ** Special unit for Arboc.				X
Silverado/Sierra Cab Chassis																		
REAR C/K 3500HD: C/K 36403	2014-Current	9750	n/a	Reg	162	84	n/a	Any	Any	n/a	n/a	No	DS98GM 9750	Requires GTY wide track rear axle	X	X		

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															General	Ambulance	Bus	Motorhome
Silverado Cab Chassis Medium Duty																		
REAR 4500HD 4x2 (15K-16.5K GVW)	2019-Current	10000-13500	Dana S14-110	Reg, Crew	TBD	84, 108	n/a	Gas, Diesel	Rear	Hydraulic Only	10K-13.5K Steel Leaf	TBD	DS135NCV2-S 13500	4x2 only		X		
	2019-Current	10000-13500	Dana S14-110	Reg, Crew	TBD	84, 108	n/a	Gas, Diesel	Rear	Hydraulic Only	10K-13.5K IROS Air Ride	TBD	DS135NCV2-A 13500	4x2 only		X		
REAR 4500HD 4x4 (15K-16.5K GVW)	2019-Current	10000-13500	Dana S14-110	Reg, Crew	TBD	84, 108	n/a	Gas, Diesel	Rear	Hydraulic Only	10K-13.5K Steel Leaf	TBD	DS135NCV4-S 13500	4x4 only		X		
REAR 5500HD 4x2 (17.5-19.5K GVW)	2019-Current	10000-13500	Dana S14-110	Reg, Crew	TBD	84, 108	n/a	Gas, Diesel	Rear	Hydraulic Only	10K-13.5K Steel Leaf	TBD	DS135NCV2-S 13500	4x2 only		X		
	2019-Current	10000-13500	Dana S14-110	Reg, Crew	TBD	84, 108	n/a	Gas, Diesel	Rear	Hydraulic Only	10K-13.5K IROS Air Ride	TBD	DS135NCV2-A 13500	4x2 only		X		
	2019-Current	15000-15500	Dana S16-130	Reg, Crew	TBD	84, 108	n/a	Gas, Diesel	Rear	Hydraulic Only	15K-15.5K Steel Leaf	TBD	DS155NCV2-S 15500	4x2 only		X		
	2019-Current	15000-15500	Dana S16-130	Reg, Crew	TBD	84, 108	n/a	Gas, Diesel	Rear	Hydraulic Only	15K-15.5K IROS Air Ride	TBD	DS155NCV2-A 15500	4x2 only		X		

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Model	Model Years	Axle GAWR (either Axle or Susp) (lbs)	Axle Model(s)	Cab	WB (in)	CA (in)	Frame	Engine	Fuel Tank Location	Brakes	OEM Susp. GAWR Type	On Spot Avail?	LiquidSpring Kit / Max Rating (lbs)	Comments	Application			
															General	Ambulance	Bus	Motorhome
REAR 5500HD 4x4 (17.5-19.5K GVW)	2019-Current	10000-13500	Dana S14-110	Reg, Crew	TBD	84, 108	n/a	Gas, Diesel	Rear	Hydraulic Only	10K-13.5K Steel Leaf	TBD	DS135NCV4-S 13500	4x4 only		X		
	2019-Current	15000-15500	Dana S16-130	Reg, Crew	TBD	84, 108	n/a	Gas, Diesel	Rear	Hydraulic Only	15K-15.5K Steel Leaf	TBD	DS155NCV4-S 15500	4x4 only		X		
REAR 6500HD 4x2 (21K-22.94K GVW)	2019-Current	10000-13500	Dana S14-110	Reg, Crew	TBD	84, 108	n/a	Gas, Diesel	Rear	Hydraulic Only	10K-13.5K Steel Leaf	TBD	DS135NCV2-S 13500	4x2 only		X		
	2019-Current	10000-13500	Dana S14-110	Reg, Crew	TBD	84, 108	n/a	Gas, Diesel	Rear	Hydraulic Only	10K-13.5K IROS Air Ride	TBD	DS135NCV2-A 13500	4x2 only		X		
	2019-Current	15000-15500	Dana S16-130	Reg, Crew	TBD	84, 108	n/a	Gas, Diesel	Rear	Hydraulic Only	15K-15.5K Steel Leaf	TBD	DS155NCV2-S 15500	4x2 only		X		
	2019-Current	15000-15500	Dana S16-130	Reg, Crew	TBD	84, 108	n/a	Gas, Diesel	Rear	Hydraulic Only	15K-15.5K IROS Air Ride	TBD	DS155NCV2-A 15500	4x2 only		X		
REAR 6500HD 4x4 (21K-22.94K GVW)	2019-Current	10000-13500	Dana S14-110	Reg, Crew	TBD	84, 108	n/a	Gas, Diesel	Rear	Hydraulic Only	10K-13.5K Steel Leaf	TBD	DS135NCV4-S 13500	4x4 only		X		
	2019-Current	15000-15500	Dana S16-130	Reg, Crew	TBD	84, 108	n/a	Gas, Diesel	Rear	Hydraulic Only	15K-15.5K Steel Leaf	TBD	DS155NCV4-S 15500	4x4 only		X		

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Model	Model Years	Axle GAWR (either Axle or Susp) (lbs)	Axle Model(s)	Cab	WB (in)	CA (in)	Frame	Engine	Fuel Tank Location	Brakes	OEM Susp. GAWR Type	On Spot Avail?	LiquidSpring Kit / Max Rating (lbs)	Comments	General	Ambulance	Bus	Motorhome
International (Navistar)																		
TerraStar																		
REAR TerraStar 4x2	2010-2015	10000-13500 (13500)	Dana	Any	n/a	84+	n/a	MaxxForce	Rear	Hydraulic Only	10K-13.5K Steel Leaf	Yes	DS135N-A 13500	Volumes double stacked LH inboard frame. PM LH below frame. Recommend code 12VYL for speed signal.	X	X	X	X
	2010-2015	10000-13500 (13500)	Dana	Any	n/a	84+	n/a	MaxxForce	Front (under cab)	Hydraulic Only	10K-13.5K Steel Leaf	Yes	DS135N-AF 13500	Volumes double stacked LH inboard frame. PM LH below frame. Includes extra rear crossmember. Recommend code 12VYL for speed signal.	X	X	X	X
	2010-2015	10000-13500 (13500)	Dana	Any	n/a	84+	n/a	MaxxForce	Front (under cab)	Hydraulic Only	10K-13.5K IROS Air Ride	Yes	DS135N-AA 13500	Volumes double stacked LH inboard frame. PM LH below frame. Recommend code 12VYL for speed signal.	X	X	X	X
REAR TerraStar 4x4	2010-2015	10000-13500 (13500)	Dana	Any	n/a	84+	n/a	MaxxForce	Rear	Hydraulic Only	10K-13.5K Steel Leaf	No	DS135NT4 13500	Recommend code 12VYL for speed signal.	X	X	X	X
CV																		
REAR CV 4x2	2019-Current	10000-13500	Dana S14-110	Reg, Crew	TBD	84, 108	n/a	Gas, Diesel	Rear	Hydraulic Only	10K-13.5K Steel Leaf	TBD	DS135NCV2-S 13500	4x2 only		X		
	2019-Current	10000-13500	Dana S14-110	Reg, Crew	TBD	84, 108	n/a	Gas, Diesel	Rear	Hydraulic Only	10K-13.5K IROS Air Ride	TBD	DS135NCV2-A 13500	4x2 only		X		
	2019-Current	15000-15500	Dana S16-130	Reg, Crew	TBD	84, 108	n/a	Gas, Diesel	Rear	Hydraulic Only	15K-15.5K Steel Leaf	TBD	DS155NCV2-S 15500	4x2 only		X		
	2019-Current	15000-15500	Dana S16-130	Reg, Crew	TBD	84, 108	n/a	Gas, Diesel	Rear	Hydraulic Only	15K-15.5K IROS Air Ride	TBD	DS155NCV2-A 15500	4x2 only		X		
REAR CV 4x4	2019-Current	10000-13500	Dana S14-110	Reg, Crew	TBD	84, 108	n/a	Gas, Diesel	Rear	Hydraulic Only	10K-13.5K Steel Leaf	TBD	DS135NCV4-S 13500	4x4 only		X		
	2019-Current	15000-15500	Dana S16-130	Reg, Crew	TBD	84, 108	n/a	Gas, Diesel	Rear	Hydraulic Only	15K-15.5K Steel Leaf	TBD	DS155NCV4-S 15500	4x4 only		X		
MV60H LP -- DuraStar 4300/4400 Low Profile (Taper Frame)																		
REAR MV60H-LP DuraStar 4300/4400 Low Profile Tapered Frame	2008-Current	13500-15500 (13500)	Dana S14-130 S16-130	Any	n/a	84+	n/a	MaxxForce	Any	Hydraulic	10K-13.5K Steel Leaf 14SAC, 14SAE, 14SAH	Yes	DS135ND-S130 13500	Volumes double stacked LH inboard frame. PM LH below frame. Recommend code 12VYL for speed signal.	X	X	X	X
	2008-Current	13500-15500 (13500)	Dana S14-130 S16-130	Any	n/a	84+	n/a	Cummins	Any	Hydraulic	10K-13.5K Steel Leaf 14SAC, 14SAE, 14SAH	Yes	DS135ND-S130C 13500	Volumes double stacked LH inboard frame. PM LH below frame. Different speed signal.	X	X	X	X
	2008-Current	13500-15500 (13500)	Dana S14-130 S16-130	Any	n/a	84+	n/a	MaxxForce	Any	Hydraulic or Air	10K-13.5K IROS Air Ride 14TBL, 14TBM, 14TBN	Yes, Hyd. Brk only	DS135ND-A130 13500	Volumes double stacked LH inboard frame. PM LH below frame. Recommend code 12VYL for speed signal.	X	X	X	X

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Model	Model Years	Axle GAWR (either Axle or Susp) (lbs)	Axle Model(s)	Cab	WB (in)	CA (in)	Frame	Engine	Fuel Tank Location	Brakes	OEM Susp. GAWR Type	On Spot Avail?	LiquidSpring Kit / Max Rating (lbs)	Comments	Application			
															General	Ambulance	Bus	Motorhome
REAR MV60H-LP DuraStar 4300/4400 Low Profile Tapered Frame	2008-Current	13500-15500 (13500)	Dana S14-130 S16-130	Any	n/a	84+	n/a	Cummins	Any	Hydraulic or Air	10K-13.5K IROS Air Ride 14TBL, 14TBM, 14TBN	Yes, Hyd. Brk only	DS135ND-A130C 13500	Volumes double stacked LH inboard frame. PM LH below frame. Different speed signal.	X	X	X	X
	2008-Current	13500-17500 (13500)	Dana: S17-140 S19-140 17060S / D Meritor: MS-17-14X	Any	n/a	84+	n/a	MaxxForce	Any	Hydraulic***	10K-13.5K Steel Leaf 14SAC, 14SAE, 14SAH	Yes	DS135ND-S 13500	Volumes double stacked LH inboard frame. PM LH below frame. Recommend code 12VYL for speed signal. *** Air brakes can be used if s-cams and s-cam tubes are converted to air ride compatible versions.	X	X	X	X
	2008-Current	13500-17500 (13500)	Dana: S17-140 S19-140 17060S / D Meritor: MS-17-14X	Any	n/a	84+	n/a	Cummins	Any	Hydraulic***	10K-13.5K Steel Leaf 14SAC, 14SAE, 14SAH	Yes	DS135ND-SC 13500	Volumes double stacked LH inboard frame. PM LH below frame. Different speed signal. *** Air brakes can be used if s-cams and s-cam tubes are converted to air ride compatible versions.	X	X	X	X
	2008-Current	13500-17500 (13500)	Dana: S17-140 S19-140 17060S / D Meritor: MS-17-14X	Any	n/a	84+	n/a	MaxxForce	Any	Hydraulic or Air	10K-13.5K IROS Air Ride 14TBL, 14TBM, 14TBN	Yes, Hyd. Brk only	DS135ND-A 13500	Volumes double stacked LH inboard frame. PM LH below frame. Recommend code 12VYL for speed signal.	X	X	X	X
	2008-Current	13500-17500 (13500)	Dana: S17-140 S19-140 17060S / D Meritor: MS-17-14X	Any	n/a	84+	n/a	Cummins	Any	Hydraulic or Air	10K-13.5K IROS Air Ride 14TBL, 14TBM, 14TBN	Yes, Hyd. Brk only	DS135ND-AC 13500	Volumes double stacked LH inboard frame. PM LH below frame. Different speed signal.	X	X	X	X

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Model	Model Years	Axle GAWR (either Axle or Susp) (lbs)	Axle Model(s)	Cab	WB (in)	CA (in)	Frame	Engine	Fuel Tank Location	Brakes	OEM Susp. GAWR Type	On Spot Avail?	LiquidSpring Kit / Max Rating (lbs)	Comments	Application			
															General	Ambulance	Bus	Motorhome
REAR MV60H-LP DuraStar 4300/4400 Low Profile Tapered Frame	2008-Current	13500-17500 (15500)	Dana: S17-140 S19-140 17060S / D Meritor: MS-17-14X	Any	n/a	84+	n/a	MaxxForce	Any	Hydraulic***	10K-13.5K Steel Leaf 14SAE, 14SAH	Yes	DS155NDLP-S 15500	Volumes double stacked LH inboard frame. PM LH below frame. Recommend code 12VYL for speed signal. *** Air brakes can be used if s-cams and s-cam tubes are converted to air ride compatible versions.	X	X	X	X
	2008-Current	13500-17500 (15500)	Dana: S17-140 S19-140 17060S / D Meritor: MS-17-14X	Any	n/a	84+	n/a	Cummins	Any	Hydraulic***	10K-13.5K Steel Leaf 14SAE, 14SAH	Yes	DS155NDLP-SC 15500	Volumes double stacked LH inboard frame. PM LH below frame. Different speed signal. *** Air brakes can be used if s-cams and s-cam tubes are converted to air ride compatible versions.	X	X	X	X
	2008-Current	13500-17500 (15500)	Dana: S17-140 S19-140 17060S / D Meritor: MS-17-14X	Any	n/a	84+	n/a	MaxxForce	Any	Hydraulic or Air	10K-15.5K IROS Air Ride 14TBL, 14TBM, 14TBN	Yes, Hyd. Brk only	DS155NDLP-A 15500	Volumes double stacked LH inboard frame. PM LH below frame. Recommend code 12VYL for speed signal.	X	X	X	X
	2008-Current	13500-17500 (15500)	Dana: S17-140 S19-140 17060S / D Meritor: MS-17-14X	Any	n/a	84+	n/a	Cummins	Any	Hydraulic or Air	10K-15.5K IROS Air Ride 14TBL, 14TBM, 14TBN	Yes, Hyd. Brk only	DS155NDLP-AC 15500	Volumes double stacked LH inboard frame. PM LH below frame. Different speed signal.	X	X	X	X

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Model	Model Years	Axle GAWR (either Axle or Susp) (lbs)	Axle Model(s)	Cab	WB (in)	CA (in)	Frame	Engine	Fuel Tank Location	Brakes	OEM Susp. GAWR Type	On Spot Avail?	LiquidSpring Kit / Max Rating (lbs)	Comments	Application			
															General	Ambulance	Bus	Motorhome
MV607 -- DuraStar 4300 Straight Rail																		
REAR MV607 DuraStar 4300/4400 Straight Rail	2008-Current	13500-21000 (15500)	Dana: S17-140 S19-140 17060S / D 19060S / D Meritor: MS-17-14X MS-19-14X MS-21-14X	Any	n/a	84+	n/a	Cummins	Any	Hydraulic	13.5K-20K Steel Leaf	TBD	DS155NDSR-S 15500	Volumes along side frame rail, PM inside frame on LH side.	X		X	X
	2008-Current	13500-21000 (18500)	Dana: S17-140 S19-140 17060S / D 19060S / D Meritor: MS-17-14X MS-19-14X MS-21-14X	Any	n/a	84+	n/a	Cummins	Any	Hydraulic	13.5K-20K Steel Leaf	TBD	DS185NDSR-S 18500	Volumes along side frame rail, PM inside frame on LH side.	X		X	X
	2008-Current	13500-21000 (20000)	Dana: S17-140 S19-140 17060S / D 19060S / D Meritor: MS-17-14X MS-19-14X MS-21-14X	Any	n/a	84+	n/a	Cummins	Any	Hydraulic	13.5K-20K Steel Leaf	TBD	DS200NDSR-S 20000	Volumes along side frame rail, PM inside frame on LH side.	X		X	X
	2008-Current	13500-21000 (15500)	Dana: S17-140 S19-140 17060S / D 19060S / D Meritor: MS-17-14X MS-19-14X MS-21-14X	Any	n/a	84+	n/a	Cummins	Any	Hydraulic	13.5K-20K Steel Leaf	TBD	DS155NDSR-SM 15500	Special unit for Nexus motorhome using DuraStar "lite". Volumes and PM are located in rear (behind axle).				X
	2008-Current	13500-21000 (15500)	Dana: S17-140 S19-140 17060S / D 19060S / D Meritor: MS-17-14X MS-19-14X MS-21-14X	Any	n/a	84+	n/a	Cummins	Any	Hydraulic or Air	13.5K-20K IROS Air Ride	TBD	DS155NDSR-A 15500	Volumes along side frame rail, PM inside frame on LH side.	X		X	X

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Model	Model Years	Axle GAWR (either Axle or Susp) (lbs)	Axle Model(s)	Cab	WB (in)	CA (in)	Frame	Engine	Fuel Tank Location	Brakes	OEM Susp. GAWR Type	On Spot Avail?	LiquidSpring Kit / Max Rating (lbs)	Comments	Application			
															General	Ambulance	Bus	Motorhome
REAR MV607 DuraStar 4300/4400 Straight Rail	2008-Current	13500-21000 (18500)	Dana: S17-140 S19-140 17060S / D 19060S / D Meritor: MS-17-14X MS-19-14X MS-21-14X	Any	n/a	84+	n/a	Cummins	Any	Hydraulic or Air	13.5K-20K IROS Air Ride	TBD	DS185NDSR-A 18500	Volumes along side frame rail, PM inside frame on LH side.	X		X	X
	2008-Current	13500-21000 (20000)	Dana: S17-140 S19-140 17060S / D 19060S / D Meritor: MS-17-14X MS-19-14X MS-21-14X	Any	n/a	84+	n/a	Cummins	Any	Hydraulic or Air	13.5K-20K IROS Air Ride	TBD	DS200NDSR-A 20000	Volumes along side frame rail, PM inside frame on LH side.	X		X	X
DuraStar kits include brackets to work with the following steering gearboxes: TRW TAS-40, TRW THP-45, Sheppard M100, Sheppard HD94 (also requires 11136-007 kit). Do not use LiquidSpring suspensions with TRW TAS-66 or TRW THP-60 gearboxes.																		

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														Application				
Model	Model Years	Axle GAWR (either Axle or Susp) (lbs)	Axle Model(s)	Cab	WB (in)	CA (in)	Frame	Engine	Fuel Tank Location	Brakes	OEM Susp. GAWR Type	On Spot Avail?	LiquidSpring Kit / Max Rating (lbs)	Comments	General	Ambulance	Bus	Motorhome
Ram																		
3500 Cab Chassis																		
REAR 3500 Cab Chassis	2014-Current	9850	n/a	Reg	168	84	n/a	Any	Mid, Rear	n/a	n/a	Yes	DS99R 9850	Must include the XXS VSIM option (included in ambulance prep)	X	X		
	2012	9850	n/a	Reg	168	84	n/a	Any	Mid, Rear	n/a	n/a	Yes	DS99R12 9850	Must include the XXS VSIM option (included in ambulance prep)	X	X		
4500 Cab Chassis																		
FRONT 4500 Cab Chassis	2014-2018	7000	n/a	Reg, Reg, Reg, CC	169 193 205 197	84 108 120 84	n/a	Any	Rear	n/a	n/a	No	FS70RA 7000 (FS70RAC)	Front Suspension (requires Rear DS135RS2A kit) FS70RAC includes FS70RA and conversion kits for existing vehicles with DS135RS2A installed.	X	X		
	2014-2018	7000	n/a	Reg, Reg, Reg, CC	169 193 205 197	84 108 120 84	n/a	Any	Rear	n/a	n/a	No	FS70RF 7000 (FS70RFC)	Front Suspension (requires Rear DS135RS2AF kit) FS70RFC includes FS70RF and conversion kits for existing vehicles with DS135RS2AF installed.	X	X		
REAR 4500 Cab Chassis	2014-2018	12000	n/a	Reg, Reg, Reg, CC	169 193 205 197	84 108 120 84	n/a	Any	Rear	n/a	n/a	Yes	DS135RS2A 13500	Must include the XXS VSIM option (included in ambulance prep). Volumes double stacked inside of frame rails, LH side. PM inside frame, LH side, behind cab.	X	X		
	2014-2018	12000	n/a	Reg, Reg, Reg, CC	169 193 205 197	84 108 120 84	n/a	Any	Mid, Rear	n/a	n/a	Yes	DS135RS2AF 13500	Must include the XXS VSIM option (included in ambulance prep). Volumes outside frame rails, each side. PM under cab on RH outboard.	X	X		
	2014-2018	12000	n/a	Reg, Reg, Reg, CC	169 193 205 197	84 108 120 84	n/a	Any	Rear	n/a	n/a	Yes	DS135RS2A-LA 13500	Must include the XXS VSIM option (included in ambulance prep). Volumes double stacked inside of frame rails, LH side. Special code to disable High Height. PM under cab on RH outboard. Special unit for LA Fire Dept.			X	
	2019-Current	12000	n/a	Reg, Reg, Reg, CC	169 193 205 197	84 108 120 84	n/a	Any	Rear	n/a	n/a	Yes	DS135RS3A 13500	Must include the XXS VSIM option (included in ambulance prep). Volumes double stacked inside of frame rails, LH side. PM inside frame, LH side, behind cab.	X	X		
	2019-Current	12000	n/a	Reg, Reg, Reg, CC	169 193 205 197	84 108 120 84	n/a	Any	Mid, Rear	n/a	n/a	Yes	DS135RS3AF 13500	Must include the XXS VSIM option (included in ambulance prep). Volumes outside frame rails, each side. PM under cab on RH outboard.	X	X		

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Model	Model Years	Axle GAWR (either Axle or Susp) (lbs)	Axle Model(s)	Cab	WB (in)	CA (in)	Frame	Engine	Fuel Tank Location	Brakes	OEM Susp. GAWR Type	On Spot Avail?	LiquidSpring Kit / Max Rating (lbs)	Comments	Application			
															General	Ambulance	Bus	Motorhome
5500 Cab Chassis																		
FRONT 5500 Cab Chassis	2014-2018	7000	n/a	Reg, Reg, Reg, CC	169 193 205 197	84 108 120 84	n/a	Any	Rear	n/a	n/a	No	FS70RA 7000 (FS70RAC)	Front Suspension (requires Rear DS135RS2A kit) FS70RAC includes FS70RA and conversion kits for existing vehicles with DS135RS2A installed.	X	X	X	X
	2014-2018	7000	n/a	Reg, Reg, Reg, CC	169 193 205 197	84 108 120 84	n/a	Any	Rear	n/a	n/a	No	FS70RF 7000 (FS70RFC)	Front Suspension (requires Rear DS135RS2AF kit) FS70RFC includes FS70RF and conversion kits for existing vehicles with DS135RS2AF installed.	X	X	X	X
REAR 5500 Cab Chassis	2014-2018	13500	n/a	Reg, Reg, Reg, CC	169 193 205 197	84 108 120 84	n/a	Any	Rear	n/a	n/a	Yes	DS135RS2A 13500	Must include the XXS VSIM option (included in ambulance prep). Volumes double stacked inside of frame rails, LH side.	X	X	X	X
	2014-2018	13500	n/a	Reg, Reg, Reg, CC	169 193 205 197	84 108 120 84	n/a	Any	Mid, Rear	n/a	n/a	Yes	DS135RS2AF 13500	Must include the XXS VSIM option (included in ambulance prep). Volumes outside frame rails, each side.	X	X	X	X
	2019-Current	13500	n/a	Reg, Reg, Reg, CC	169 193 205 197	84 108 120 84	n/a	Any	Rear	n/a	n/a	Yes	DS135RS3A 13500	Must include the XXS VSIM option (included in ambulance prep). Volumes double stacked inside of frame rails, LH side.	X	X	X	X
	2019-Current	13500	n/a	Reg, Reg, Reg, CC	169 193 205 197	84 108 120 84	n/a	Any	Mid, Rear	n/a	n/a	Yes	DS135RS3AF 13500	Must include the XXS VSIM option (included in ambulance prep). Volumes outside frame rails, each side.	X	X	X	X