



VELVAC 2020 MIRROR SYSTEM

OE STYLE MIRRORS FOR MEDIUM DUTY FORD F-SERIES TRUCKS AND E VANS





UNPARALLELED VISION AND CLARITY

THE NEW BENCHMARK IN WIDE BODY MIRROR SYSTEMS

A combination of styling, quality and performance make the Velvac 2020 Series mirror the new benchmark for wide body mirror systems. The fully integrated arm, base and mirror head not only look great, but work together as a system to reduce vibration, and provide large, clear views of blind spots and passing lanes around the vehicle.

Since these mirrors are designed specifically for 86", 96" and 102" wide bodies, they provide a complete vision solution without the compromises found in many OE mirror offerings available today.

SPECIFY THE 2020 SERIES MIRROR ON YOUR NEXT MEDIUM DUTY FORD F-SERIES OR E VAN ORDER



EXPANDED FIELD OF VIEW

PROVIDING AN END TO BLIND SPOTS

Most cutaway van and cab chassis OE mirrors are not designed for body widths that extend beyond 96 and 102 inches. Misuse of these narrow OE mirrors leads to obstructed views and dangerous blind spots and may not fully meet all DOT mirror requirements based on these applications. Be confident that your wide body vehicle meets or exceeds FMVSS 111 requirements for Rear View Mirrors:

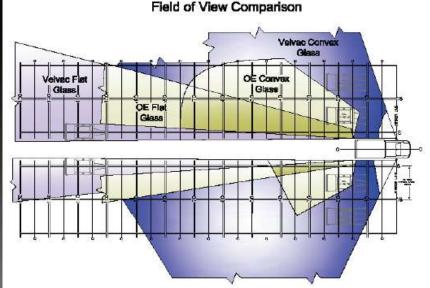
LISE OR SPECIEV VELVAC 2020 SERIES MIRRORS

The field of view diagram to the right shows the superior vision and blind spot coverage provided by Velvac 2020 Series mirrors relative to typical OE mirrors used on wide body applications.

Velvac's 2020 Series mirrors can help to reduce blind spots and provide visibility of multiple passing lanes around the vehicle leading to better driving decisions and the reduction of costly accidents.

Velvac Offers the Right Mirror for Your Vehicle
Available in the 2020, 2020 Mini-LEM and 2020XG configurations, the 2020 mirror series provides the options required for wide body applications such as high cube cutaway vans, rental trucks, Class C RVs and ambulances. The fixed length arms are designed to position the mirror beyond the body, providing the driver with an unobstructed view of blind spots and passing lanes around the vehicle.

These versatile mirrors are available in several body widths and finishes, as well as manual or heated remote glass.



FOV Coverage Velvac 2020 Series (blue) versus OE Mirrors (amber)

Information shown above represents a typical vision pattern when using the Velvac 2020 or 2020XG mirrors compared to a typical OE option mirror

Designed to Reduce Service Costs

The Velvac 2020 Series mirror system offers a multitude of service parts, including easily replaceable mirror heads, glass and arm components, which help to reduce downtime and service costs for your fleet.



Switch Kit Arm Covers Marker Light



PRE-THOUGHT AND PRE-POSITIONED

MINI-LEM CAMERA OFFERS UNSURPASSED CLARITY

An Integrated Solution

Velvac's 2020 Mini-LEM vision system has a prepositioned lower camera integrated into the mirror housing, providing greater coverage of blind spot areas around the vehicle. Its advanced CMOS camera technology provides superior visibility, object distinction and depth perception in all weather, sunlight, glare and nighttime conditions.

The cameras seamlessly connect to either one or two monitors inside the vehicle. The camera image is reversed to provide a picture in the same orientation as the mirror image, offering the driver an intuitive visual experience that improves safety and reduces the potential for costly and dangerous accidents.

Systems can also be designed to integrate with back-up cameras, also offered by Velvac, for complete vehicle blind spot coverage.

OE Style with OE-Plus Function

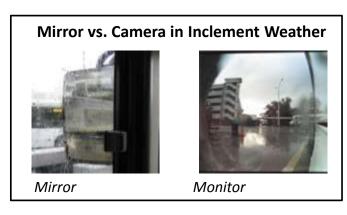
The 2020 is designed to seamlessly integrate into the medium duty Ford F-Series and E Van door sail area for a clean, upscale look. The die cast aluminum mounting base and upper arm of the 2020 mirror are anodized and powder coated for corrosion protection. Plus the fold-away feature allows the mirror to fold forward and back for easy vehicle storage and protection against impact.

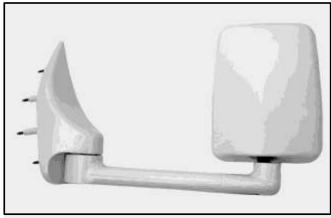
Options Abound

2020 Mirrors are available for 86", 96" and 102" wide body applications, with or without the integrated Mini-LEM camera.



2020 Mini-LEM with Turn Signal Option in Flat Glass





2020 Mirror in White without Mini-LEM

They come in black, white and in a black base/arm with a chrome head.



RUGGED DESIGN

THE 2020XG WELCOMES HARSH ENVIRONMENTS

The 2020XG Mirror Surpasses OE Build Quality
The rigid design of the 2020XG mirror system
produces a solid image for improved visibility.
The combination of 64 sq. in. of flat glass and
29 sq. in. of convex glass with an 18" radius of
curvature provides unsurpassed coverage of
passing lanes and blind spots around the
vehicle.

The 2020XG also incorporates an advanced vibration dampening system in the mirror head which keeps the image steady even on rough road surfaces.

The die cast aluminum mounting base and upper arm of the 2020XG mirror are anodized and powder coated for corrosion protection, while an OE-approved plastic mirror shell and lower arm deliver durability and UV resistance.

Similar to the 2020, the integrated pivot system allows the mirror to be folded forward or back upon impact and returned easily to the normal driving position.

No Compromises between Form and Function Like the 2020, with its "swept back" design, stylized base, arm and mirror head, the 2020XG also integrates seamlessly into the medium duty Ford F-Series and E Van door sail area. This design pre-positions the mirror in the optimal location, eliminating the need for head adjustments, while minimizing installation time and costs.



2020XG Mirror with Black Arm and Base and Chrome Mirror Head

OAT Sensor In

For Ford F-450 and F-550 chassis, Velvac 2020XG mirrors are available with an integrated Outside Air Temperature (OAT) sensor located in the right side mirror arm, allowing fast and easy replacement of the OE mirror, and operation through the Ford heat, power and light controls.

WITHOUT THE OAT SENSOR, YOUR VEHICLE WILL NOT OPERATE

The Velvac 2020XG is the only aftermarket mirror that has an integrated OAT sensor that interfaces with the stock Ford controls.



OAT in Right Side Mirror (highlighted by red circle)



OPTIONS ABOUND

YOUR SEARCH STARTS AND ENDS HERE

Specify or Order the 2020 for Your Next Medium Duty Ford F-Series Truck or E Van With its class-leading visibility, durability and styling, the Velvac 2020 is the perfect mirror for medium duty Ford F-Series trucks and E vans.

Manual 96" or 102" 2020XG mirrors can be ordered factory installed on your next F-Series

truck using the option codes shown below in

Velvac also offers other 2020 options, such as heated, motorized glass and clearance or signal lights. These mirrors are shown in the table below and on the next page, and can be ordered directly from Velvac.*

						2020	Mirror Sy	/stem	2020XG Mirror System***							
Color	Body Width	2020 Head	Flat Glass	Convex Glass	Option	Without Mini-LEM			Without OAT Sensors				With OAT Sensors for Ford F-450 and F-550			
						Pair**	RS	LS	Pair**	RS	LS	Ford Option Codes	Pair**	RS	LS	
Black	96"	Deluxe	М	М		714515	714516	714517	716355	716356	716357	54H	717379			
		Deluxe	H/R	H/M					716358	716360	716359		717181	717182	717183	
		Deluxe	H/R	H/M	Ltd	714521	714522	714523	716364	716366	716365		717174	717176	717175	
		Deluxe	H/R	H/M	SA				716361	716362	716363					
	102"	Deluxe	М	М		714518	714520	714519	716331	716332	716333	54J	717382			
		Deluxe	H/R	H/M					716334	716336	716335		717187	717188	717189	
		Deluxe	H/R	H/M	Ltd	714524	714526	714525	716340	716342	716341		717184	717186	717185	
		Deluxe	H/R	H/M	SA				716337	716338	716339					
White	102"	Deluxe	H/R	H/M	Ltd	715131	715132	715133								
Chrome	96"	Deluxe	H/R	H/M					716423	716424	716425					
		Deluxe	H/R	H/M	Ltd	715859	715860	715861	716429	716430	716431					
		Deluxe	H/R	H/M	SA				716426	716428	716427					
	102"	Deluxe	H/R	H/M					716402	716402	716403					
		Deluxe	H/R	H/M	Ltd				706408	706410	706409					
		Deluxe	H/R	H/M	SA				716405	716406	706407					

Key to Chart Abbreviations:

M = Manual, H/R = Heated Remote Control Adjustable Glass, H/M = Heated Manual, Ltd = Lighted Arm, SA = Signal Arrow in Glass

^{***} All 2020XG mirror systems come with XG Heads



^{*} Mirror delete option is not available on F-Series chassis. It will be necessary to remove the OE mirror and replace it with the 2020 mirror ordered directly from Velvac

^{**} All motorized mirror PAIRS include switches/harnesses. These items are NOT included when motorized mirrors are sold as sides.

						2020 Mirror System					202046	Minnon Sv	***	
Color	Body Width	2020 Head	Flat Glass	Convex Glass	Option	Without Mini-LEM			With Mini-LEM Color Camera			2020XG Mirror System*** Without OAT Sensors		
						Pair**	RS	LS	Pair**	RS	LS	Pair**	RS	LS
Black	96"	Deluxe	М	М		715449	715450	715451	716593	716594	716595	715899	715900	715901
		Deluxe	H/R	H/M					716605	716606	716607	715905	715906	715907
		Deluxe	H/R	H/M	Ltd	715437	715438	715439	716641	716642	716643	716346	716348	716347
		Deluxe	H/R	H/M	SA				716623	716624	716625	716343	716344	716345
		Deluxe	H/R	H/M	SA Ltd				716659	716660	716661			
	102"	Deluxe	М	М		715452	715454	715453	716590	716592	716591	715923	715924	715925
		Deluxe	H/R	H/M					716602	716604	716603	715929	715930	715931
		Deluxe	H/R	H/M	Ltd	715440	715442	715441	716638	716640	716639	716322	716324	716323
		Deluxe	H/R	H/M	SA				716620	716622	716621	716319	716320	716321
		Deluxe	H/R	H/M	SA Ltd				716656	716658	716657			
White	96"	Deluxe	М	М					716599	716600	716601	715902	715904	715903
		Deluxe	H/R	H/M					716611	716612	716613	715908	715910	715909
		Deluxe	H/R	H/M	Ltd	715443	715444	715445	716647	716648	716649	716382	716384	716383
		Deluxe	H/R	H/M	SA				716629	716630	716631	716379	716380	716381
		Deluxe	H/R	H/M	SA Ltd				716665	716666	716667			
	102"	Deluxe	М	М					716596	716598	716597	715926	715928	715927
		Deluxe	H/R	H/M					716608	716610	716609	715932	715934	715933
		Deluxe	H/R	H/M	Ltd	715446	715448	715447	716644	716646	716645	716370	716372	716371
		Deluxe	H/R	н/м	SA				716626	716628	716627	716367	716368	716369
		Deluxe	H/R	H/M	SA Ltd				716662	716664	716663			
Chrome Head w/ Black Arm and Base	96"	Deluxe	H/R	H/M					716617	716618	716619	715953	715954	715955
		Deluxe	H/R	н/м	Ltd				716653	716654	716655	716414	716416	716415
		Deluxe	H/R	H/M	SA				716635	716636	716637	716411	716412	716413
		Deluxe	H/R	H/M	SA Ltd				716671	716672	716673			
	102"	Deluxe	H/R	H/M					716614	716616	716615	715971	715972	715973
		Deluxe	H/R	H/M	Ltd				716650	716652	716651	716394	716396	716395
		Deluxe	H/R	н/м	SA				716632	716634	716633	716391	716392	716393
		Deluxe	H/R	H/M	SA Ltd				716668	716670	716669			

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^{**} All motorized mirror PAIRS include switches/harnesses. These items are NOT included when motorized mirrors are sold as sides.







Velvac is a leading manufacturer and supplier of vision systems and component parts to the recreational, truck and specialty vehicle industries. Velvac has the industry's broadest mirror product offerings, from high volume replacement mirror heads and service parts to unique, proprietary mirror systems. Founded in 1934, Velvac's corporate offices and aftermarket operations are located in New Berlin, Wisconsin. Its complete, state-of-the-art manufacturing facility is located in Reynosa, Mexico.

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