Technical Data Sheet
Aerospace Transparencies

Lockheed Martin C-130 windshields and windows

A leading manufacturer of windshields, canopies, windows, blast barriers and specialty transparencies for military applications, PPG's aerospace transparencies business has been the primary supplier of cockpit window transparencies for the Lockheed Martin C-130 tactical airlifter since it took to the air in 1954. Throughout new model introductions, PPG has provided transparencies with exceptional performance and design upgrades that incorporate the latest technologies. With the industry's broadest capabilities, PPG is able to design and produce advanced-technology transparencies to meet the demanding requirements of military air and surface operations.

All forward-facing cockpit transparencies

Features	Benefits
Original-equipment supplier	• Latest design and upgrades • Proven reliability
Thermally tempered aerospace glass	• Chemical, abrasion and scratch resistance • Superior optical quality • High load-carrying capabilities • Excellent resistance to foreign object damage • Resists thermal shock

Windshields - center, pilot, copilot forward aft side windows

Features	Benefits
PPG NESA® anti-ice heating system	• Full-coverage heating • Superior optics
Water white ultra-clear glasses standard on C-130J and option on C-130H	• High light transmittance • Excellent optical clarity • Night vision system compatibility
Gasket on C-130J	• Part is ready to install • Eliminates need for messy, time-consuming wet seal • Factory-installed gasket provides superior airtight seal

Upper forward window, pilot
Lower forward window, pilot

Features	Benefits
PPG *NESA* anti-ice heating system	• Full-coverage heating • Superior optics

Aft side windows

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Water white ultra-clear glasses standard on C-130J and option on C-130H	• High light transmittance • Excellent optical clarity • Night vision system compatibility
Gasket on C-130J	• Part is ready to install • Eliminates need for messy, time-consuming wet seal • Factory-installed gasket provides superior airtight seal

Forward skylights

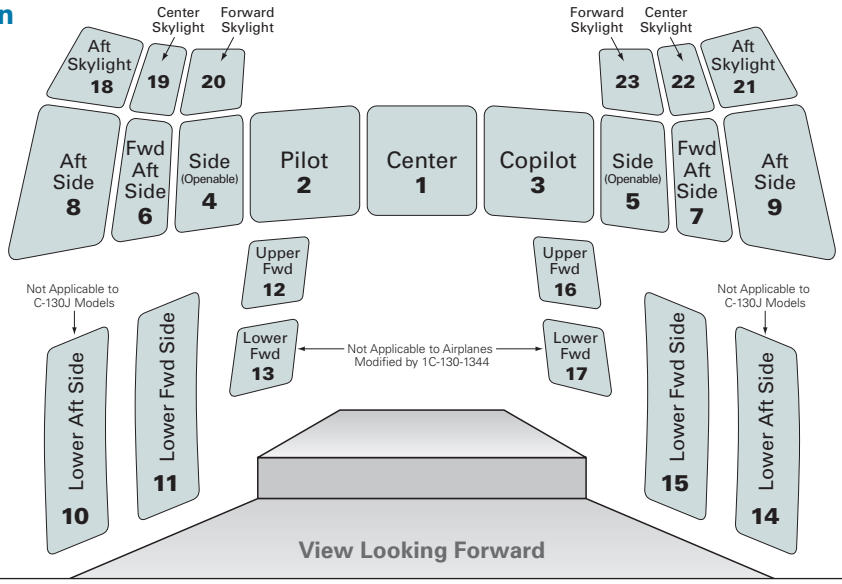
Features	Benefits
PPG *NESA* anti-ice heating system	• Full-coverage heating • Superior optics
Gasket on C-130J	• Part is ready to install • Eliminates need for messy, time-consuming wet seal • Factory-installed gasket provides superior airtight seal

Side (openable) windows

Features	Benefits
PPG *NESA* anti-ice heating system	• Full-coverage heating • Superior optics
Water white ultra-clear glasses standard on C-130J and option on C-130H	• High light transmittance • Excellent optical clarity • Night vision system compatibility

Lockheed Martin C-130 windshields and windows

Window configuration



C-130 legacy part numbers

		U.S. national stock number		Lockheed Martin part number		
No.	**Description**	**C-130 legacy**	**Water white**	**C-130 legacy**	**L-100 only**	**Water white**
1	Center windshield	1560-00-035-2136	1560-01-426-1915	337279-11	385020-1	337279-15
2	#1 Left-hand pilot windshield	1560-00-962-3511	1560-01-426-1914	338124-11	385021-1	338124-15
3	#1 Right-hand copilot windshield	1560-01-433-3276	1560-01-426-1916	338124-12	385021-2	338124-16
4	#2 Left-hand pilot side (openable) window	1560-00-098-7914		338135-9	385024-1	
5	#2 Right-hand copilot side (openable) window	1560-00-098-7915		338135-10	385024-2	
6	Left-hand pilot forward aft side window	1560-00-962-3513	1560-01-426-1917	338125-9	338125-9	338125-11
7	Right-hand copilot forward aft side window	1560-00-962-3514	1560-01-426-1918	338125-10	338125-10	338125-12
8	Left-hand pilot aft side window	1560-00-307-1727	1560-01-426-1906	338126L	338126L	338126-7
9	Right-hand copilot aft side window	1560-00-307-1728	1560-01-426-1911	338126R	338126R	338126-8
10	Lower left-hand pilot aft side window	1560-00-098-7912		338130L		
11	Lower left-hand pilot forward side window	1560-00-307-1730		338129L		
12	Upper left-hand pilot forward window	1560-00-962-3515		338128-9		
13	Lower left-hand pilot forward window	1560-00-966-3515		338127-9		
14	Lower right-hand copilot aft side window	1560-00-307-1732		338130R		
15	Lower right-hand copilot forward side window	1560-00-307-1731		338129R		
16	Upper right-hand copilot forward window	1560-00-035-2153		338128R		
17	Lower right-hand copilot forward window	1560-00-098-7911		338127R		
18	Skylight, left-hand pilot aft	1560-00-098-7913		338132L	338132L	
19	Skylight, left-hand pilot center	1560-00-098-7924		339096L	339096L	
20	Skylight, left-hand pilot forward	1560-00-307-1733		338131L	385022-1	
21	Skylight, right-hand copilot aft	1560-00-302-7677		338132R	338132R	
22	Skylight, right-hand copilot center	1560-00-098-7925		339096R	339096R	
23	Skylight, right-hand copilot forward	1560-00-035-2154		338131R	385022-2	

C-130J Part Numbers

No.	**Description**	**U.S. national stock number**	**Lockheed Martin part number**
1	Center windshield*	1560-01-483-3210	337279-21
2	#1 Left-hand pilot windshield*	1560-01-483-3211	338124-21
3	#1 Right-hand copilot windshield*	1560-01-483-3213	338124-22
4	#2 Left-hand pilot side (openable) window*	1560-01-426-1907	338135-11
5	#2 Right-hand copilot side (openable) window*	1560-01-426-1908	338135-12
6	Left-hand pilot forward aft side window*	1560-01-483-3169	338125-17
7	Right-hand copilot forward aft side window*	1560-01-483-3167	338125-18
8	Left-hand pilot aft side window*	1560-01-483-3172	338126-13
9	Right-hand copilot aft side window*	1560-01-483-3215	338126-14
11	Lower left-hand pilot forward side window	1560-01-496-7186	338129-7
12	Upper left-hand pilot forward window	1560-01-496-7184	338127-11
15	Lower right-hand copilot forward side window	1560-01-496-7159	338129-8
16	Upper right-hand copilot forward window	1560-01-496-7187	338127-12
18	Skylight, left-hand pilot aft	1560-01-496-7167	338132-7
19	Skylight, left-hand pilot center	1560-01-496-7174	339096-7
20	Skylight, left-hand pilot forward	1560-01-496-7157	338131-7
21	Skylight, right-hand copilot aft	1560-01-496-7171	338132-8
22	Skylight, right-hand copilot center	1560-01-496-7188	339096-8
23	Skylight, right-hand copilot forward	1560-01-496-7158	338131-8

*Night vision transparencies with white glasses and gasket

Lockheed Martin C-130 windshields and windows

C-130J windshields–center, pilot, copilot

C-130 Legacy NSN 1560-01-426-1915, 1560-01-426-1914, 1560-01-426-1916
Lockheed Martin P/N 337279-15, 338124-15, 338124-16

Forward aft side windows

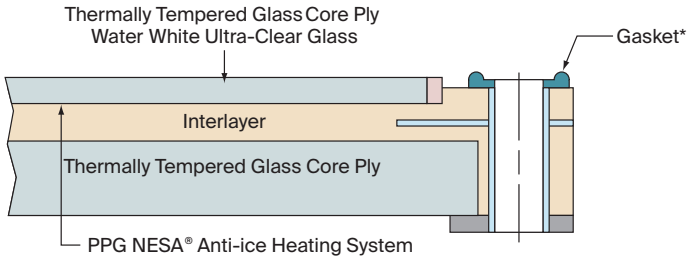
C-130 Legacy NSN 1560-01-426-1917, 1560-01-426-1918
Lockheed Martin P/N 338125-11, 338125-12

Aft side windows

(No PPG *NESA* heating system)

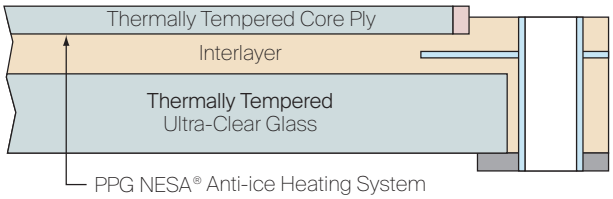
C-130 Legacy NSN 1560-01-426-1906, 1560-01-426-1911
Lockheed Martin P/N 338126-7, 338126-8

**Not preinstalled on C-130 legacy water white parts.*

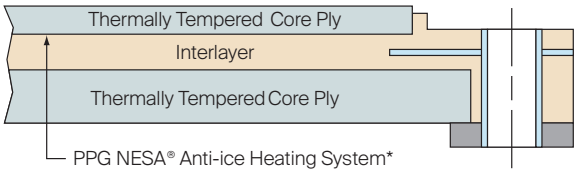


C-130 Legacy, L-100 windshields–center, pilot, copilot forward aft side windows aft side windows

(No PPG *NESA* heating system)



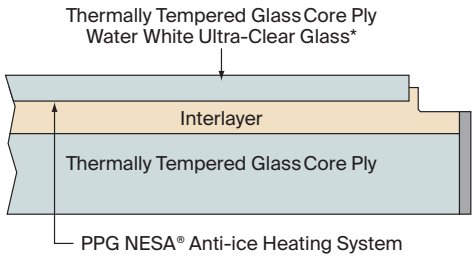
Aft and center skylights upper and lower forward windows



**Pilot upper and lower forward windows*

C-130J side (openable) windows

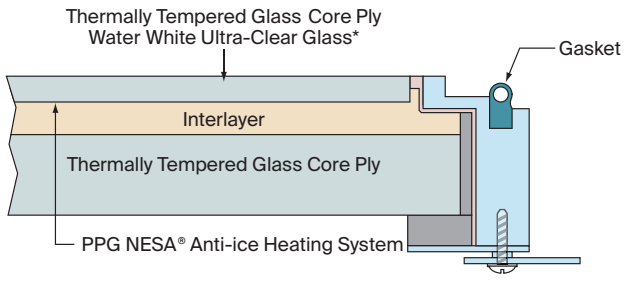
(without frame)



**C-130 Legacy parts have thermally tempered glass only.*

C-130J side (openable) windows

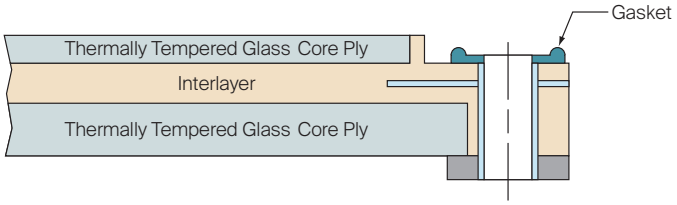
(with frame)



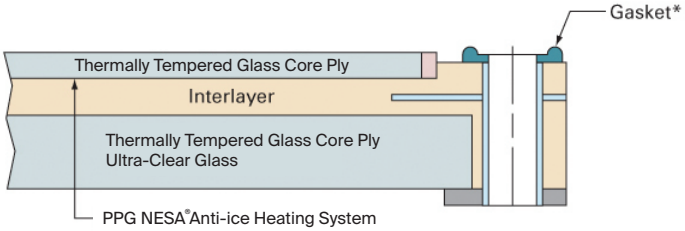
**C-130 Legacy parts have thermally tempered glass only.*

Lockheed Martin C-130 windshields and windows

Lower forward side windows
lower aft side windows



Forward skylights



Not preinstalled on C-130 legacy parts.

Water white glass has enabled PPG to produce windshields compatible with today's sophisticated night vision systems. Water white glass have a greater light transmissivity than standard float glass especially in the near infrared (IR) range, making them desirable for use in transparencies on aircraft flown by pilots on night missions wearing night vision goggles and using other optical devices requiring high IR light transmittance. PPG produces windshields with laminates of water white glass as standard for the C-130J and as an option for USAF C-130H models.

In addition to water white glass, PPG offers a variety of transparent structural materials to meet specific design and performance requirements. In-house capabilities allow PPG to engineer and produce transparent materials tailored to aerospace applications. PPG's thermally tempered aerospace glass offers impact and thermal shock resistance as well as high load-carrying capabilities. PPG's chemically strengthened aerospace glass provides superior strength and durability. Plastic substrate materials currently in production include acrylic that is strong and lightweight, and polycarbonate that has superior impact resistance and a high strength-to-weight ratio. PPG is also developing exciting, new transparent structural materials with superior structural properties that have the potential to replace acrylic and polycarbonate. PPG proprietary interlayers bond the plies together and provide ballistic properties, bird-impact resistance and pressure "fail-safe" capability.

PPG AIRCON®, NESA®, NESATRON®, SIERRACOTE™ electrical heating systems provide anti-ice/anti-fog protection.

Other PPG advanced coatings and technologies help protect transparencies and aircrews from operational or environmental threats, and provide a variety of performance enhancements. A few of these are solar heat reduction, laser protection and electromagnetic interference (EMI) shielding. Such technologies are designed to be compatible with night vision systems and other optical requirements.

PPG transparencies have flown and participated in numerous air and surface military missions. The company is a leader in its transparency technical capabilities and infrastructure, OEM and operator support, and ability to supply parts worldwide on a timely and affordable basis.

Additional Information

Details on pricing, warranty and delivery are available by contacting your PPG aerospace transparencies sales representative or customer service representative.

For the PPG aerospace transparencies sales office or application support center nearest you, please visit our website at www.ppgaerospace.com.

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