INTELLI CURVE TM BLADE FEATURE PREVIEW

Presented by Clearplus®

LINE REVIEW

- Positioning as an addition to the hybrid platform on customer planogram.
- Showcasing Massing Massing appearance, connection profiles and performance.



BACKDROP: HYBRID PLATFORM

Estimated 35 million vehicles on North American roads that have O.E. blades on hybrid platform. These typically have hard plastic encasement on the frame. All come with hook or offset hook connections.



BACKDROP: BEAM PLATFORM

Estimated 32 million vehicles on North American roads that have O.E. blades on Beam platform. These typically have integrated rubber spoiler on the frame and multiple arm types for connections.



BACKDROP: OPPORTUNITY

With it's rubber spoiler and low profile universal connections. Offers uncompromised quality option and value in comparison to other blades (on Hybrid or Beam platform) with similar application coverage.





- Designed for improved performance rigid primary with flexible secondary for optimized pressure distribution and windshield contact.
- Integrated wind spoiler and wrap around shield on top and bottom of the frame reduces snow clogging and icing.
- **—** Ease; Safety; and Profile of frame and connections.



PROFILE ELEMENTS:



PROFILE ELEMENTS: UNDERFRAME SHIELD

OTHER HYBRID BLADES





Exposed hinges and claws as in conventional design.



Frame fully concealed, claws and hinged barely visible. Reduces snow clogging and icing of hinges due to wrap around shield.



CONNECTION SAFETY ELEMENTS:

MOUNTING SADDLE

EXAMPLE OF COMPROMIZED SAFETY IN CONNECTION



Plastic saddle connected to metal beam on 2 plastic notches. Subject to extreme weather condition risks.





Steel saddle riveted to steel primary.



CONNECTION SAFETY ELEMENTS:

LEADING BRAND. EXAMPLE OF CONNECTION



Up to three levels of plastic to plastic connections. Subject to extreme weather condition risks.

ADAPTER TO SADDLE









Plastic to metal connections for all arm types. Audible, secure locking is experienced in all weather conditions. Minimal material expansion/contraction risk.

IMTELL



EASE OF CONNECTIONS

STEPS IN INSTALLATION	REFERENCED LEADING BRAND	INTELLI GURVE M	
🕂 Hook	4	3	
🕈 Pinch Tab	5	4	
Push Button	4	3	
Narrow Push Button	5	3	
🕈 Pin & Hood	5	3	



ENGINEERING ELEMENTS:

SPOILER-STRUCTURE CAMBERS

EXAMPLE OF OPPOSING CAMBERS





Two opposite cambers. Shrinkage or expansion in plastic could possibly compromise pressure distribution in extreme weather conditions.

Consistent structural direction of both spoiler and structure. No opposed camber.



INITIAL WIPE QUALITY







Visual for Reference:







TM

clearplus HYBRID TECHNOLOG

Select correct test buck.

Setting the arm load.

Put the blade on the test buck. Review the test result.

SAMPLE IDENTIFICATION	UP STROKE	DOWN STROKE
ClearPlus 91201	8	10
ClearPlus 91221 ClearPlus 91221	9	10

Tests performed at ARDL.

DURABILITY TESTING



ClearPlus 91221 WIPE CYCLES DOWN UP 0 9 10 50,000 9 9 100,000 9 9 200,000 9 8 300,000 9 8 400,000 8 8

8

8

Visual for Reference:





Tests performed at ARDL.

500,000



WIPING FRICTION TESTING



Wiping Friction recording (Dry/Wet wiping times in 1 minute/Wiping Cycles of the motor in 1 minute)

SAE 903J Standard Requirement:



Results:

PLANOGRAM ELEMENTS



PATENTS ON THE PRODUCT

Connection systems, adapter mounting saddle and frame design are protected by four registered patents in the US.

