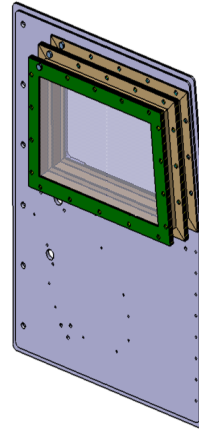


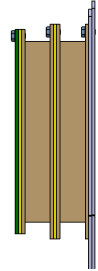


Gemini Modular Armor System:

For use on HMMWV, MRAP, GMV and JLTV



A kit



A+B kit

Transparent Armor Solutions (TAS) has been developing a Gemini A+B modular armor system that would use the existing A kit when upgrading to higher levels of threat. By using the A kit in tandem with the B kit you get the following advantages:

Advantages

- Do not have to discard A kit (lower upgrade costs)
- A kit and B kit are the same exact part (lower logistics burden)
- Allows for removal of armor for transportability requirements
- Damage to outer (B kit) can be repaired at half the cost (lower lifecycle costs)
- Can upgrade armor to new threats
- Modularity allow for easy maintenance of inner air gap
- A+B kit is still lighter weight than a single laminate equivalent

The system is being funded by TARDEC. Testing will include ballistic, vibration, and environmental testing. The system is being demonstrated on a HMMWV door, but would be applicable to JLTV, MRAP, or GMV platform.

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