

CLEAR VIEW SOLUTION

for Single Engine Survey & Surveillance Missions



Exhaust Deflector Kit mounted on Cessna 208B CARAVAN

Optimized Exhaust Gas Discharge for Clear Imaging

This special exhaust deflector kit is designed for airborne platforms that require undisturbed, high-resolution imaging during surveillance, reconnaissance, or mapping missions. The exhaust gas bypass duct for the Cessna 208B Caravan deflects hot exhaust gases away from sensor hatches, preventing heat distortion in the sensor's field of view and ensuring clear visual output.

FEATURES

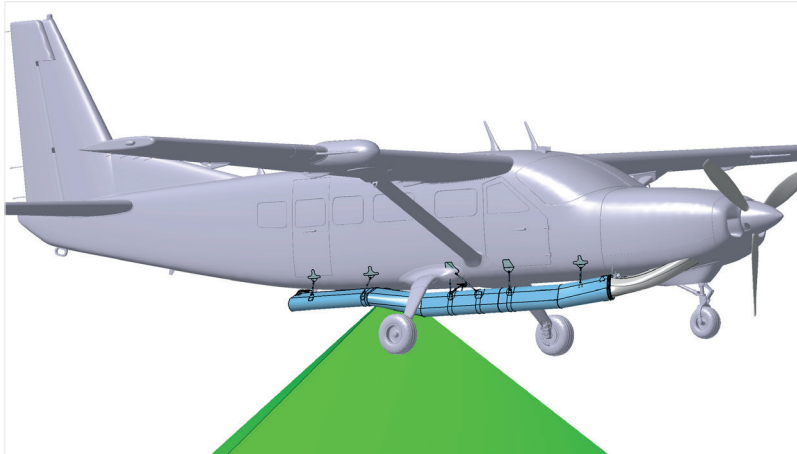
- No aircraft performance reduction below 12000 ft altitude
- No Noise Impact
- Minimal Weight Impact (50kg)
- Fully STC'd (EASA STC-AT-188)

The system features a robust yet lightweight construction, and a flexible mounting system guarantees secure installation without compromising structural integrity.

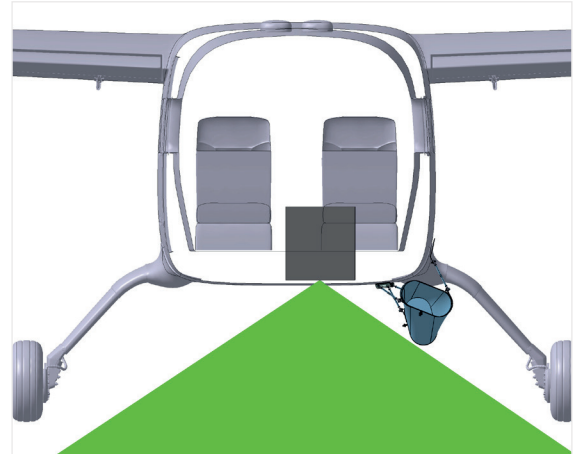


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The sensors' field of view remains unobstructed by exhaust gases



Due to geometric constraints, the shape of the bypass duct changes along its length. Initially, it follows the direction of the OEM exhaust outlet. Towards the rear, the duct is turned to reduce installation height, ensuring that it does not obstruct the field of view of the sensors installed in the hatches.



Reduced height of the bypass towards the rear

- ✓ Eliminates exhaust interference in sensor imagery
- ✓ Improves data quality for LiDAR and photogrammetry missions
- ✓ Seamless integration with existing Caravan configurations
- ✓ EASA STC-AT-188
- ✓ Can be installed at our facility in Wiener Neustadt
- ✓ Also available for shipment as a complete, certified mod kit with STC for installation by your MRO

Airborne Technologies GmbH

Viktor Lang-Strasse 8
2700 Wiener Neustadt, Austria

0043 2622 34718200

sales@airbornetechnologies.at
www.airbornetechnologies.at