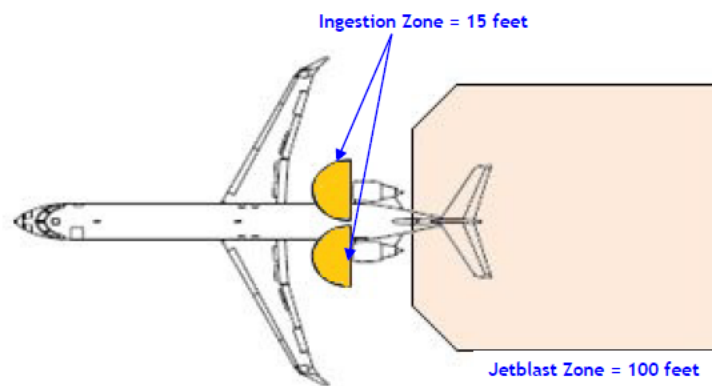


Jetblast/Ingestion Zones

Slide 26

Jetblast is created by the exhaust of the engine. The jetblast zone at American Airlines and American Eagle is 100 feet for each aircraft when the engines are at idle speed.

The area in front of the engine is called the ingestion zone. The ingestion zone for all aircraft types is 15 feet. You must never enter the ingestion zone until the engine has spooled down.



Spool Down

The engine must be spooled down before entering the ingestion zone. This can take between 30-60 seconds, depending on aircraft type. This applies to both wing and fuselage/tail mounted engines. You must wait until you can clearly see the individual fan blades before entering the ingestion zone.

NEVER position ground equipment next to an aircraft or open cargo bin doors until the engines are shut down and the rotating beacon(s) turned off, except when conducting an approved single engine turn.

Critical Areas

Typically when the aircraft is taxiing in, the number 2 engine is running. This can be dangerous since the number 2 engine is the same side as the cargo bins (aircraft right). Caution must be taken to ensure the engines have completely shut down prior to approaching the cargo bins. Injury or death can occur by walking in front of or behind the engine.

There is a Ram Air Turbine (RAT) device located on the ERJ170/175 aircraft behind a panel in the aircraft's nose (aircraft right). Use EXTREME CAUTION when performing tasks near this panel. Do not stand directly in front of this panel.