



MAINTENANCE AND OPERATIONS LETTER

March 9, 2020
ALL-MOL-20-0005

TO: All Gulfstream Operators

SUBJECT: Standard Maintenance Practices (ATA 20) - Aircraft Screening and Sanitizing Guidelines to Address the Coronavirus - Update

In response to growing coronavirus (COVID-19) concerns, Gulfstream will implement multi-tier screening procedures for visitors and aircraft entering our facilities to better protect against the spread of the COVID-19 virus. Visitors and flight crews will be asked the following questions:

1. Yes or No. Have any members of your party traveled to or from mainland China, Hong Kong, Japan, Iran, Italy, Macau, Taiwan or South Korea in the last 14 days?
2. Yes or No. In the last 14 days, have any members of your party been in contact with any person that has recently returned from mainland China, Hong Kong, Japan, Iran, Italy, Macau, Taiwan or South Korea?
3. Yes or No. In the last 14 days, have any members of your party been in close contact with a person who has been diagnosed with the COVID-19 virus? Close contact is defined as being within 6 feet of someone for 30 minutes or more.
4. Yes or No. In the last 14 days, has this aircraft traveled to any of the areas affected by coronavirus-related travel restrictions, including mainland China, Hong Kong, Japan, Iran, Italy, Macau, Taiwan or South Korea?
5. Yes or No. Do you foresee any of the above conditions being met by the aircraft or members of your party prior to (1) the aircraft's arrival at the Gulfstream facility, or (2) arrival of our Field and Airborne Support (FAST) technicians onsite (as applicable)?

Visitors that answer yes to any one of the questions will be denied entry into the facility until cleared by an appropriate medical authority. It should be noted that all aircraft arriving for maintenance will require disinfecting prior to maintenance activities. Aircraft with suspected exposure will be quarantined for 48 hours prior to disinfecting. While we understand this is an inconvenience, Gulfstream initiated this process to ensure the health and safety of our customers, employees and visitors. As part of this effort, Gulfstream is evaluating non-chemical surface purification (Air Ionization) technology to accomplish the disinfecting process. Once the testing is completed, Gulfstream will provide an update accordingly.

In conjunction with this initiative, Gulfstream has reviewed surface sanitizer solutions that can be used on the interior surfaces of Gulfstream aircraft. Based on a review of available products, Gulfstream confirmed that Klercide 70/30 IPA Surface Disinfectant, Zoono™ Z-71 Surface Sanitizer or a 70/30 mixture of Isopropyl alcohol and water satisfies all applicable requirements and presents no known health hazards. As a result, Gulfstream has no technical objection regarding the use of these products on Gulfstream aircraft interiors. To provide guidance regarding disinfection of interiors, Gulfstream has developed the attached procedure, which will be incorporated into the Aircraft Outfitting Cleaning Manual (AOCM). Gulfstream expects to start the aircraft cleaning requirement within the next 72 hours, once our facilities have the required disinfectants on-hand.

If you have questions or comments regarding this communication, please contact Customer Support at 800-810-GULF (4853) or +1 912-965-4178, or by email at technical.operations@gulfstream.com.

Sincerely,

Mitchell A. Choquette
Vice President, Field Support

AIRCRAFT DISINFECTING PROCEDURES

2019 Novel Coronavirus (COVID-19)

March, 2020

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Aircraft Interior Disinfecting Procedures - 2019 Novel Coronavirus (COVID-19)

References:

The most current and comprehensive sources of information on COVID-19 are the Center for Disease Control and Prevention (CDC) and the World Health Organization (WHO) available via the links below.

Center for Disease Control and Prevention (CDC):

<https://www.cdc.gov/coronavirus/2019-ncov/about/prevention-treatment.html>

<https://www.cdc.gov/quarantine/air/managing-sick-travelers/ncov-airlines.html>

World Health Organization (WHO):

<https://www.who.int/emergencies/diseases/novel-coronavirus-2019>

Introduction

In response to Coronavirus (COVID-19) concerns, the following procedures were developed to provide guidance regarding the disinfection of aircraft interiors. These procedures were developed based on information from the WHO and CDC. Due to changing circumstances Gulfstream may modify or incorporate additional procedures as required. While there is no aircraft specific guidance on procedures to prevent the spread of COVID-19, these procedures provide a basic framework to disinfect an aircraft interior.

Disinfecting Procedures

Disinfectants:

Klervide 70/30 IPA Surface Disinfectant

Zoono Z-71 Surface Sanitizer

70/30 Mix of Isopropyl Alcohol and Water

Required Cleaning Personal Protective Equipment (PPE):

All personnel must wear the following PPE prior to entering aircraft with a suspected exposure to COVID-19 to perform disinfecting process: P95 Particulate Respirator, Goggles, Faceshield, Nitrile or Latex Gloves, and A45 Suit or equivalent safety equipment.

Required Training:

Respiratory Training - WBC212 Respiratory Protection CBT and Fit Testing SA225 or equivalent.

Personal Protection Equipment – WBC213 Personal Protection Equipment or equivalent.

Aircraft Disinfecting Procedures

Aircraft Preparation:

Ensure Main Entrance Door (MED) and baggage door are open for adequate ventilation.

CAUTION: Be aware of electrical static build up and discharge (ESD) when continuously dispensing a flammable liquid inside the aircraft. Proper grounding of personnel and container to mitigate ESD while moving around on carpets should be considered. If a flammable material is used, allow the interior of the aircraft to ventilate accordingly.

NOTE: Always use caution when applying a disinfectant product to the various delicate interior surfaces. Prior to application, Gulfstream recommends testing the product on a non-visible area of the affected surface to ensure there are no adverse effects. If an adverse effect is encountered, immediately discontinue use the disinfectant on the particular material be tested.

NOTE: While these procedures are offered in good faith, no responsibility is accepted for claims arising from the procedures suggested.

NOTE: Always follow manufactures instructions for application, dilution and use of any disinfecting products. It should be noted that Gulfstream is not qualified to identify specific disinfectants with respect to how effective they may be against specific viruses/diseases. Aircraft operators should refer to their relevant public health authorities, including the Environmental Protection Agency (EPA), CDC or WHO, regarding this type of information.

Disinfection of Aircraft Furnishings – Hard Surfaces:

Clean the surfaces with a natural sponge or a clean low-lint cloth, moist with the disinfectant. Allow the disinfectant to dwell on the surfaces for two minutes. If disinfectant evaporates prior to the wait time, do not reapply more. Remove the disinfectant from all the surfaces with a clean low-lint cloth, moist with water. Dry the surfaces with a clean, dry low-lint cloth.

Disinfection of Aircraft Furnishings – Soft Surfaces (carpets, upholstery, leather, other textiles):

Use a spray applicator. Apply a spray mist of the disinfectant with the spray applicator to all soft surfaces (do not soak) such as seats (passenger and pilot), wall coverings and carpets. Allow disinfectant to dry.

Disposal:

All PPE and cleaning materials can be disposed of in normal trash.