

ATA 25 Equipment / Furnishings

Mar 12, 2020

Coronavirus ‘SARS-CoV-2’ – Frequently Asked Questions

F10	F20		F200	F50			Falcon 900					Falcon 2000						Falcon 7X	
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REVISION	DATE	DESCRIPTION
0	Mar 12, 2020	Original Publication – EASA SIB 2020-02R2

1. Official sources of information

- a. US Government 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>
- b. World Health Organization (WHO):
<https://www.who.int/emergencies/diseases/novel-coronavirus-2019>
- c. International Air Transport Association (IATA) 3.1.
<https://www.iata.org/en/programs/safety/health/diseases/#tab-2>
- d. European Center for Disease Prevention and Control (ECDPC):
<https://www.ecdc.europa.eu/en/news-events>
- e. European Aeronautical Safety Agency (EASA) Safety Information Bulletin (SIB):
<https://ad.easa.europa.eu/ad/2020-02R2>

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2. Recommendations

This FSN provides information and recommendations to reduce the risk of spreading SARS-CoV-2 and guidelines for operations to/from affected areas:

- For CLEANING CREW
- For MAINTENANCE CREW on arriving aircraft with a suspected case of disease
- For CABIN CREW managing a suspected case onboard:
 - | *Note that some specific scripts for onboard announcements prior to arrival (If required by any country) are provided in the sources mentioned above*

Useful guidelines for aircraft operators are also provided in the official sources mentioned above, in particular in case of:

- | Requirements for the implementation of an Emergency Response Plan (ERP) for public health emergencies (depending on each national health authority requirements)
- | Need for guidelines for the content of a universal precaution kit to be kept onboard aircraft

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3. Cabin disinfecting products and procedures

a. What types of products are effective for disinfecting Cabin Furnishings?

Given that SARS-CoV-2 is new, it is important to note that no disinfectant has been proven effective against this virus. However there is confidence in the following disinfection products because of their proven effectiveness against the SARS-Corona family of viruses (Reference <https://www.ecdc.europa.eu/en/publications-data/interim-guidance-environmental-cleaning-non-healthcare-facilities-exposed-2019>):

- Products referred to in the Falcon Consumable Products Manual (CPM):
 - o AMS1452 RTU disinfectant by Zep Industries
 - o Isopropyl alcohol
- Lysol disinfectant sprays.

If the above mentioned disinfectants are not available, look for the disinfectant Technical Data Sheet (TDS) and Material Safety Data Sheet (MSDS, SDS) that provide specifications of the selected disinfectant:

- Make sure the product is effective against the Coronavirus family of strains,
- Make sure the product does not include strong acids or alkali components to limit the risk of damage to cabinetry components.
- Test the disinfectant products on an inconspicuous area of material prior to widespread application throughout the aircraft interior.

b. Is there any risk associated to extended use of these disinfection agents?

Dassault does not have available data to guarantee that extensive use of the above mentioned products will not have an unintended effect on the cabin materials. This is especially true for delicate soft good materials such as carpets, sidewalls, window shades, leather, upholstery and varnished surfaces.

c. Do you have specific disinfection recommendations?

Given the following facts:

- the Coronavirus can live on an inanimate object anywhere between a few hours to 9 days (on plastic),
- Elevated temperatures (about 30°C/85°F) shorten the life of the virus down to hours, whereas temperatures as low as 4°C/40°F increase the life of the virus up to 28 days,
- High relative humidity increases the persistence of the virus

Dassault recommends operators in colder climates to take extra care disinfecting their cabins.

When possible, Dassault also recommends parking the aircraft in a hot and dry area for at least 4 hours before performing the cabin disinfection.

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d. Do you have disinfection guidelines?

PRECAUTIONS:

- | NOTIFY personnel outside the aircraft about ongoing disinfection activities inside the aircraft
- | OPEN the passenger door for fresh air
- | WEAR gloves & protective clothing
- | USE an appropriate mask (suitable for SARS-CoV-2) and eye protection

WARNINGS:

- | Do not let disinfectants contact your skin, eyes, or mouth
- | Follow the disinfectant manufacturer's instructions
- | Get medical aid if irritation occurs

PROCEDURE :

- | Follow the below recommendations to clean/ disinfect the aircraft:
 - Disinfectant contact time should be as indicated in the product directions (usually greater than 2 minutes)
 - For surfaces that do not absorb liquid substances:
 - | Remove the disinfectant with a clean water-moistened cloth
 - | Dry the surface with a clean dry cloth
 - Start from the top of the cabin and work down to the floor
- | Disinfect frequently touched surfaces:
 - Passenger seats, cushions, armrests and backrests / also flight crew seats
 - Tables
 - Textile floor covering
 - Entertainment controls & screens
 - Windows
- | Carefully clean & disinfect the lavatories including:
 - Door handle & locking mechanism, light switches
 - Faucet & sink
 - Flush switch controls & toilet seat

AFTER CLEANING / DISINFECTION

- | Safely dispose of tissues soiled with body fluids
 - Place them into bags specifically marked for hazardous medical waste
- | Place gloves and protective clothing into bags specifically for hazardous medical waste
- | Wash your hands carefully with soap and water, or hydro-alcoholic gel

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4. Aircraft water system disinfection

Dassault recommends the use of Calcium Hypochlorite product agent to perform a “shock” treatment to the water system to disinfect the SARS-CoV-2 virus. Guidance can be found at AMM 38-10-00-670-801 Sterilization of Potable Water System.

Purogene should **NOT** be used as it is only effective against bacteria, not viruses.

5. Falcon air filtering recommendations

As the virus can be in the ambient air, through cough from an infected passenger, it may go through the cabin air system.

Dassault therefore recommends allowing the air to circulate in the cabin while cabin is being disinfected, including opening of all gaspers, so that air is circulating through all the ducts, vent, inlets, and gaspers.

Also on Falcon 7X and 8X aircraft equipped with a Cabin Air Filtration option it is recommended to replace the filter cartridge after a disinfection.

Dassault is currently investigating further air conditioning recommendations to minimize the risk of contamination.

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Falcon Service News Flash

FSN-253-R00-A

6. Crew recommendations

IN-FLIGHT

- | DETECT
 - | Look for symptoms of cough & fever
- | PROTECT
 - | Put a surgical facemask on any potentially ill PAX
 - | Equip with a surgical facemask any crew member that is in close proximity of any potentially ill PAX
 - | Wash your hands often with soap and water for at least 20 seconds
- | ALERT Health Authorities
 - | Responsibility of the Captain
- | ALERT passengers & ORGANIZE TRACEABILITY
 - | Need for a “passenger locator form” downloadable on https://www.who.int/ihr/ports_airports/locator_card/en

ONCE LANDED

- | LOOK AFTER the suspiciously ill passenger
 - | Alert Airport emergency medical services
- | CATEGORIZE the case
 - | Is the passenger SARS-CoV-2 infected or not? (the suspected passengers shall have been tested by the airport medical services)
- | INFORM the ill passenger’s relatives
 - | Required behavior: protective barrier, masks, quarantine...
- | DISINFECT the aircraft or have it disinfected

As this situation is evolving rapidly, we will update this FSN as further pertinent information becomes available. Should you have any questions or require more information, please contact Dassault Falcon Customer Service or your Field Technical Representative.

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