March XX, 2020

DEALER MEMO 20-XX

To: Blue Bird Dealers

From: Trey Jenkins, Chief Operating Officer

SUBJECT: Coronavirus (COVID-19) – Disinfecting Instructions for Buses

I hope that this note finds you well, and that you and your loved ones are safe and healthy during this time.

We have received several inquiries on best practices when it comes to disinfecting school buses, specifically in regards to what kind of disinfectants work best on different surfaces. We believe it is best to use precaution above all else in this time, to ensure our workers, dealers and students are as safe and healthy as possible.

The CDC recommends that routine cleaning and disinfection procedures (e.g. using cleaners and water to pre-clean surfaces prior to applying an EPA-registered disinfectant to frequently touched surfaces as indicated on the product's label) are appropriate for COVID-19. Our manufacturing facilities are using a third party, Ecovasive to conduct disinfectant treatments. They are using an EPA approved disinfectant solution called 'Bioesque' which is available in the market. Bioesque is non-toxic, non-corrosive, and has been tested to ensure it is compliant with our paint and paint process. Several school districts are also using Bioesque to disinfect their buildings and buses using sprayers and fogging systems. If Bioesque is not available, the following are recommendations we would give you and our customers to safely and effectively clean the various surfaces in the vehicle.

When disinfecting, be sure to:

- Always review and follow safe handling and safety instructions that are on the label or inserts of the cleaner/chemicals being used, and do not mix chemicals unless proper documentation advises otherwise
- Use gloves, eye protection and other necessary personal protection equipment to prevent direct contact with chemicals
- If you use towels to clean, always ensure they are clean and free of oils, dirt, debris and/or residue from other chemicals
- Ensure you have proper ventilation in the area you are working with chemicals per guidelines that are on the label or insert of the chemicals being used

Before cleaning a surface, ensure that:

- Surfaces are wiped down to remove dirt and debris with a dry, standard paper towel or cloth, prior to disinfecting
- See if your cleaner is Ready To Use (RTU) – an RTU cleaner can be directly applied to a surface, while those that do not indicate this should be applied to a new paper towel or clean towel and not directly on the surface
- Never soak or saturate towels with chemicals, or leave puddles of chemicals behind
- Always check a small, unnoticeable area before proceeding to ensure no discoloration occurs

Cleaning Metal Surfaces – All Cleaners listed are Ready To Use and require no dilution with water

- **Isopropyl Alcohol:** 70% Isopropyl Alcohol (Rubbing Alcohol)
- **Hydrogen Peroxide:** 0.5% Hydrogen Peroxide
- **De Natured Alcohol:** This is the next best option to Rubbing Alcohol, and is sold in paint aisles at Hardware stores in quarts and gallons

Cleaning Seating Surfaces and Plastics – All Cleaners listed are Ready To Use and require no dilution with water

- **Fantastik Antibacterial All-Purpose Cleaner**
- **409 Antibacterial All-Purpose Cleaner**
- **Lysol Foaming Disinfectant Cleaner**
- **Virox 5**
- **Oxivir TB Wipes**

Specific Cleaners for Seating Surfaces

- **Mediclean:** Please follow guidelines as listed on the product for dilution instructions
- **Common Bleach:** Dilute in a water to bleach ratio of 10:1; *surfaces cleaned with diluted bleach solution must be wiped down with clear water after application*

To avoid damage to vinyl, fabrics, and plastics, DO NOT use any of the following Products and/or Chemical Combinations:

- Pure Bleach on vinyl, fabric, or plastics
- Pure Hydrogen Peroxide on vinyl, fabric, or plastics
- Diluted Bleach on fabric (e.g. seat belts)
- Ammonia-Based Products on plastic, vinyl or touch screens

Trey Jenkins

Chief Operating Officer

Sources:

CDC Website for Coronavirus COVID-19 Information (https://www.cdc.gov/coronavirus/2019-ncov/about/index.html)
The Journal of Hospital Infection (https://www.journalofhospitalinfection.com/article/S0195-6701(20)30046-3/fulltext)
CDC's FAQ page (https://www.cdc.gov/coronavirus/2019-ncov/faq.html)