

# Tech Tip



*From your friends at New York Bus Sales*

## **Product Effectuated – Units with 2007 Emissions Diesel Engines**

- Complaint -** There is a Check Engine Light on -
- Cause -** Unit needs an injector replaced – Today’s engine require the cleanest fuel possible and making sure fuel filters are changed at the specified intervals help that issue BUT proper steps must be taken when they are changed!
- Correction -** When replacing the fuel/water separator, the filter should be replaced dry and the priming pump on the housing (Black Rubber Button on the Housing of the Unit in Figure #1)  
The “old school” method of filling the filter with fuel prior to installing the filter raises a couple of flags –
- First –** When you fill that filter, where are you putting the fuel? If you are pouring it into the center hole of the filter.....then that is the side of the filter where the fuels goes meaning that the fuel that you just poured in goes to the engine without being filtered!
- Second -** Where did the fuel you just poured in there come from? That 2 gallon tank that has been sitting on the floor since the last time you filled a filter.....probably uncapped!



Figure #1

**PLEASE READ YOUR OWNER’S/OPERATOR’S MANUAL FOR THEIR SPECIFIC SERVICE INTERVALS!**

**BLUE BIRD MOUNTS THE FUEL/WATER SEPARATOR ON THE INSIDE OF THE LEFT FRAME RAIL TOWARDS THE REAR BY THE REAR AXLE**

**EFFECTIVE WITH 2011 BUS ORDERS THE FUEL/WATER SEPARATOR WILL BE MOUNTED ON THE FIREWALL FOR EASIER ACCESS**

**BLUE BIRD USES A RACOR UNIT**

**CAT SHOULD HAVE SEPARATOR PART #01966993 – 10 MICRON**

(THE CAT FILTER IS FINER AS THE ARD IS FED DIRECTLY FROM THE PRIMARY AND REQUIRES CLEANER FUEL)

**CUMMINS SHOULD HAVE SEPARATOR PART #01967009 – 30 MICRON**

(THE #01966993 CAN BE USED AS IT FILTERS THE FUEL MORE BEING A 10 MICRON – CLEANER FUEL IS BETTER)

**PLEASE NOTE:**

SECONDARY FILTERS: (mounted on the engine)

CUMMINS REQUIRES A 10 MICRON

CAT REQUIRES A 4 MICRON

ALWAYS REPLACE WITH THE SAME PART NUMBER THAT COMES ON THE ENGINE INITIALLY OR ORDER VIA ENGINE SERIAL NUMBER

***So-What's the big deal about a Micron?  
How small can it be?***

A micron, short for micrometer, is a unit of measurement equal to one millionth of a meter. A micron is actually 0.000039 of an inch.

To give you an idea what we are talking about here, the period at the end of this sentence is about 397 microns. The eye of a needle is usually elongated, but is 749 microns wide. A human hair is 40 to 120 microns in diameter. A postage stamp is more than 25,000 microns long.

***Contact Our Service Department With Any Questions***

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