



BLUE BIRD

February 25, 2013

SERVICE MEMORANDUM

NO. SM1304

MEMO TO: All Blue Bird Dealers

SUBJECT: DEF Level Sensor Troubleshooting

MODEL YEAR(S): 2010-2014

MODEL(S) AFFECTED: All buses with ISB10 and ISC10 engines.

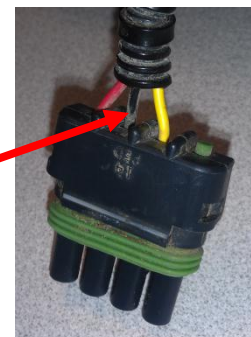
If the level of Diesel Exhaust Fluid in the tank does not appear to match the level indicated on the dash cluster, please use the following procedure to check the level sensor.

WARNING: Always follow all Federal, State, Local and Shop safety standards and use proper safety equipment when performing these procedures. Observe all safety precautions to secure the bus from rolling. Park bus on a level surface, apply parking brake, turn off engine and remove key, chock wheels.

1. With the ambient temperature above 11°F(-11°C) and the engine turned off, fill the tank with DEF until full.
2. Do a visual check on the DEF tank to verify a full tank.
3. Wait 15 minutes, then start the bus and let idle for 1 minute.
4. Check DEF level on the dash cluster.
5. If the level is 90% or more the sensor is working properly.
6. If the level is less than 90%, check the voltage across the yellow and black leads of the sensor (while still connected to the vehicle harness and engine running) and see if the voltage is between 0.9 and 0.49 VDC. (Piercing the insulation is not recommended. Accessing the leads through the open end/back side of the connector is preferred).
7. If the voltage is outside of this range, then replace the level sensor.
8. If the voltage is inside of this range, then the level sensor is reading correctly and you should contact your local Cummins dealer for further assistance.



DEF Level Sensor



Yellow &
Black Wires

BLUE BIRD BODY COMPANY

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