

VERITRANZ RETROFIT WATER-IN-FUEL SENSOR HARNESS



Veritech Inc., an engineering design and consulting firm working in the transportation space, has designed and fabricated a retrofit harness to replace the OEM Water In Fuel (WIF) sensor harness in New York City Transit's Orion 7 diesel hybrid buses. A high failure rate of the OEM harness (470 out of 900 buses coded for this issue) prompted NYCT's Technical Service group to contact us for a solution. After seeing the OEM harness, it was clear that it was not up to the task. The harness was redesigned using higher quality connectors, terminals, wire, conduit, and heat shrink tubing to create a water proof harness. NYCT has purchased 500 units to date.

While on a visit to a NJ Transit bus garage, we found that their NABI buses used a similar harness, although it was about 15 inches longer. By making the harness longer, the NABI WIF sensor harness can be replaced with our superior harness. The same version can be used on New Flyer buses and we most recently developed a plug X plug version for Gillig buses. The part number for the NABI/New Flyer version is VT220474 and the Gillig version is part number VT330136.

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