



Water in Fuel Display on Blue Bird Vision

Tech Tip #19-1207



WIF



WATER IN FUEL

There is a “Water in Fuel” Message on the INFO Center of the Dash

Recently, with the onset of the Northeast weather conditions, we have had issues where drivers are seeing messages on the “INFO” Center of the dash or in some cases, Check Engine Lights (CEL). When a CEL is present we have found code #0418 active which is “Water In Fuel (WIF) indicator High.

Upon going through the diagnostic steps, we found nothing that would have caused the light, but the code remained active and could not be cleared.

We continued to investigate... several years ago we had standardized to use option #40233-14 which changes location of the fuel/water separator mounting from being mounted on the frame over the rear axle to being mounted on the Driver Control Module (Firewall). The electrical harness is the same for both applications and when this option is ordered we recommend to install a plastic “cap” over the connector plug #C735 at the rear to prevent water infiltration. Please see Figures #1-#3

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FIGURE #1



FIGURE #2



FIGURE #3

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Once you determine this to be an issue, clean the connector on the unit and verify by clearing the code that the issue has been resolved.

There is a 2-pin “mating connector”, part #00008461 (Figure #4) and 2 “sealing plugs”, part # 01891647 (Figure #5) which should be installed to protect against future contamination.

Connect the “Mating Connector” to the plug and install the “Sealing Plugs” as shown in Figure #6



Figure #4



Figure #5

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Step 1:
Holding the sealing plug with large diameter end away from the connector, gently apply downward pressure to force the sealing plug into the cavity.



Step 2:
With perpendicular motion, apply downward pressure to the large diameter end of the sealing plug.



Step 3:
Apply pressure until sealing plug is forced to stop by contact with rear grommet. Visually inspect the sealing plug to confirm it is flush with cavity opening.

Figure #6

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UPDATE 10-29-21 - We have found that Blue Bird is now using a “DEUTSCH” cap (FIGURES BELOW) on these and other plug ends where the harness is built for options not installed on units. This actually appears to be a much more suitable method to address the issues seen than were previously provided.

PART #15062108



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