

SS - 3121 FTL 2023 P4 New Cascadia Detroit FWS Serviceability

Applicable Vehicles

P4 New Cascadia vehicles specified with Detroit-Racor Fuel Water Separator and Adaptive Power Steering built since 10/8/2021.

Symptoms

Access to FWS Bowl to replace Filter is reduced due to location of a APS Wiring Bracket.

Issue

New Cascadia vehicles specified with Detroit - Racor Fuel Water Separators and Adaptive Power Steering (APS) may have reduced access to service the Fuel Water Separator due to the location of the APS Wiring bracket. Figure 1 shows the current installation of the FWS - APS Wiring and the limited space available for servicing the FWS Assembly-bowl.

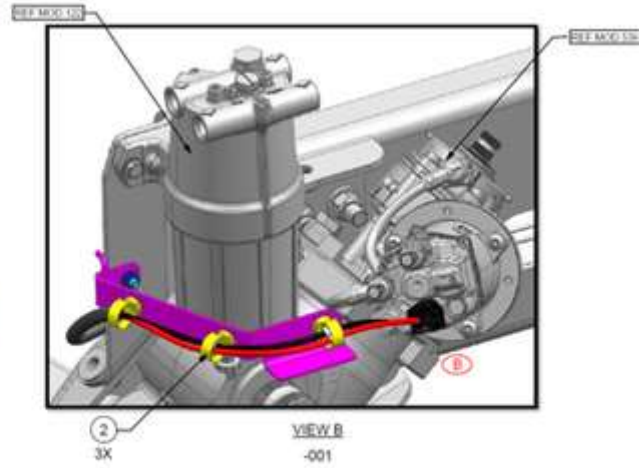


Figure 1. Current Detroit-Racor and FWS- APS Wiring Bracket affecting serviceability.

Solution

In order to improve the serviceability of the Detroit FWS, the mounting-location of the APS Wiring mounting bracket needs to be relocated to provide better access to the FWS bowl.

- Disconnect the APS Wiring connectors
- Remove the APS Wiring mounting Bracket Bolt/Nut, Items 9 and 10 in Figure 2.
- Drop down the APS Wiring - Bracket to open space to access the FWS mounting bracket.

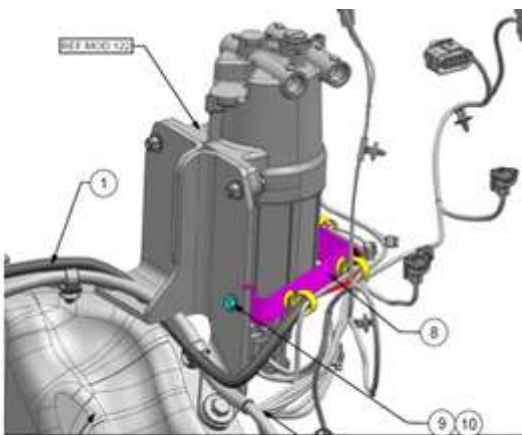


Figure 2. Detroit FWS mounting with APS Wiring mounting bracket, affecting serviceability of FWS.

- Mark and drill an additional hole position as shown in Figure 3.

