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Service Information Bulletin

SUBJECT	DATE
Fuel System Diagram Update	July 2013

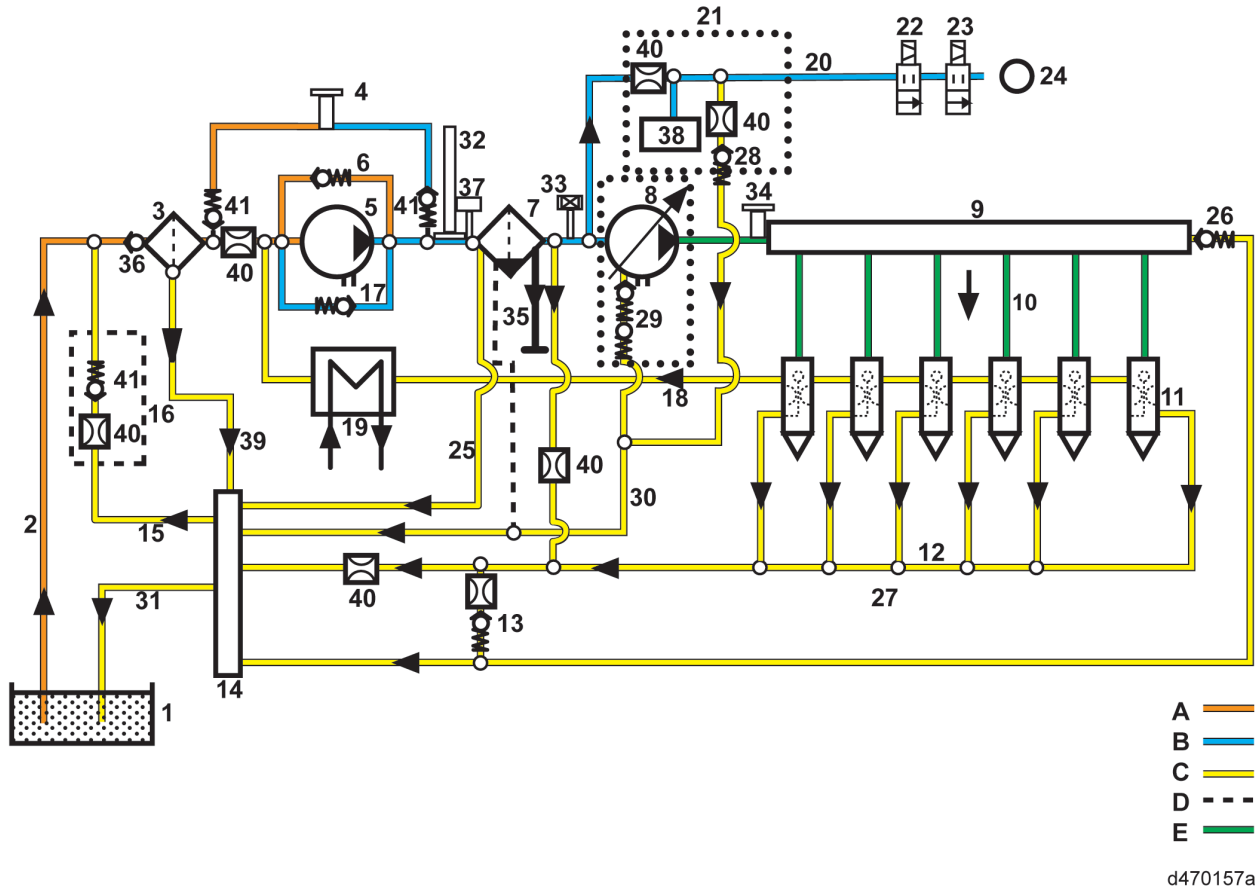
Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0082	EPA10/ GHG14 DD Platform	Fuel System (Without MCM Heat Exchanger) – Two-Filter System	Callouts updated.
		Fuel System (With MCM Heat Exchanger) –Two- Filter System	



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2 Fuel System (Without MCM Heat Exchanger) –Two-Filter System



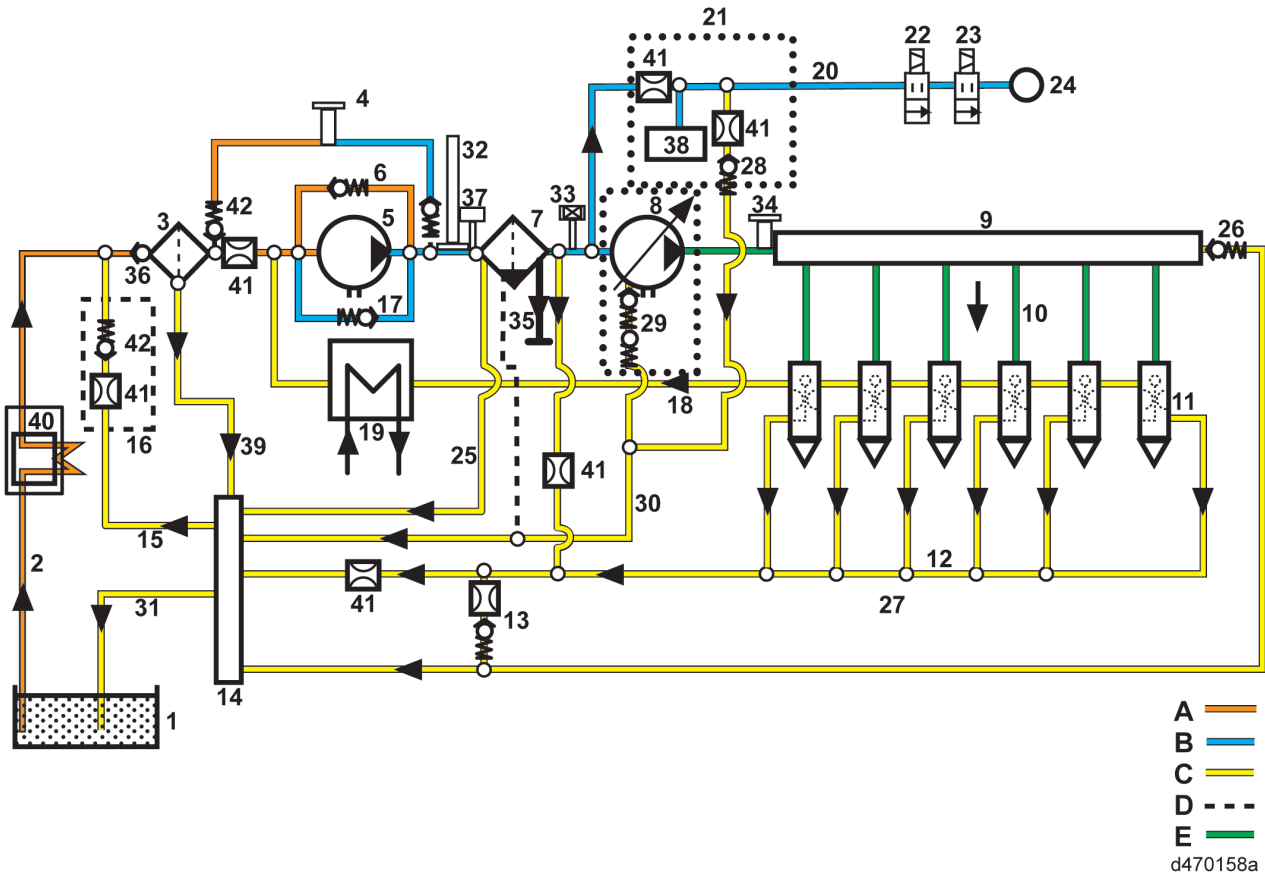
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| <ol style="list-style-type: none"> 1. Fuel Tank 2. Fuel Supply from Tank 3. Pre-filter 4. Hand Primer 5. Low Pressure Fuel Pump 6. Fuel Bypass Valve 7. Water Coalescer / Final Filter 8. High Pressure Fuel Pump 9. Fuel Rail 10. High Pressure Fuel Injector Lines 11. Fuel Injectors 12. Needle Return Line 13. Needle Return Pressure Control Valve 14. Fuel Accumulator 15. Fuel Return Bypass 16. Gallery Bypass Valve 17. Pressure Relief Valve 18. Fuel Return from Amplifiers 19. Fuel Cooler 20. High Pressure Fuel Flange | <ol style="list-style-type: none"> 21. Fuel Cutoff Valve 22. Fuel Compensation Sensor 23. HC Doser Valve 24. Water Coalescer/Final Filter Drain 25. Pressure Limiting Valve 26. Fuel Return from Pressure Limiting Valve 27. HC Doser Fuel Supply Pressure Control Valve (KM59 Gen1 ONLY) 28. Two-Stage Valve 29. Two-Stage Valve Return Flow 30. Fuel Return to Tank 31. Priming Port 32. Quantity Control Valve 33. Rail Pressure Sensor 34. Water Drain 35. Check Ball 36. Low Pressure Sensor 37. Fuel Temperature Sensor 38. Pre-filter Drain 39. Throttle Valve 40. Valve 41. Valve |
|--|--|

Figure 1. Two-Filter Fuel System Overview (without MCM Heat Exchanger)

Table 1.

A. Fuel Feed (Suction Side)
B. Low Pressure Fuel
C. Return Fuel
D. Air Vent Passage
E. High Pressure Fuel

3 Fuel System (With MCM Heat Exchanger) –Two-Filter System



A ———
 B ———
 C ———
 D - - -
 E ———
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- | | |
|--|--|
| 1. Fuel Tank | 22. Fuel Cutoff Valve |
| 2. Fuel Supply from Tank | 23. Fuel Compensation Valve |
| 3. Pre-filter | 24. HC Doser Valve |
| 4. Hand Primer | 25. Water Coalescer/Final Filter Drain |
| 5. Low Pressure Fuel Pump | 26. Pressure Limiting Valve |
| 6. Fuel Bypass Valve | 27. Fuel Return from Pressure Limiting Valve |
| 7. Water Coalescer / Final Filter | 28. HC Doser Fuel Supply Pressure Control Valve (KM59 Gen1 ONLY) |
| 8. High Pressure Fuel Pump | 29. Two-Stage Valve |
| 9. Fuel Rail | 30. Two-Stage Valve Return Flow |
| 10. High Pressure Fuel Injector Lines | 31. Fuel Return to Tank |
| 11. Fuel Injectors | 32. Priming Port |
| 12. Needle Return Line | 33. Quantity Control Valve |
| 13. Needle Return Pressure Control Valve | 34. Rail Pressure Sensor |
| 14. Fuel Accumulator | 35. Water Drain |
| 15. Fuel Return Bypass | 36. Check Ball |
| 16. Gallery Bypass Valve | 37. Low Pressure Sensor |
| 17. Pressure Relief Valve | 38. Fuel Temperature Sensor |
| 18. Fuel Return from Amplifiers | 39. Pre-filter Drain |
| 19. Fuel Cooler | 40. MCM Heat Exchanger |
| 20. HC Doser Feed Line | 41. Throttle Valve |
| 21. High Pressure Fuel Flange | 42. Valve |

Figure 2. Two-Filter Fuel System Overview (with MCM Heat Exchanger)

Table 2.

A. Fuel Feed (Suction Side)
B. Low Pressure Fuel
C. Return Fuel
D. Air Vent Passage
E. High Pressure Fuel