

## 1 01 13-17



## Service Information Bulletin

SUBJECT	DATE
SPN 3361 (ACM) (EPA10)	January 2017

### Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0084	DD Platform	SPN 3361/FMI 1 - EPA10	Added step to compare the baro reading in the MCM to the local baro to ensure that the baro reading in the MCM is correct. Added the step to have the tech start and run the truck to build air pressure.

DiagnosticLink users: Please update the troubleshooting guides in DiagnosticLink with this newest version. To update the tool troubleshooting guide, open DiagnosticLink and from the Help – Troubleshooting Guides menu, select the appropriate troubleshooting manual, then click Update.



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## 2 SPN 3361/FMI 1 - EPA10

Diesel Exhaust Fluid Pressure Duty Cycle Low

**Table 1.**

SPN 3361/FMI 1	
Description	This Fault Code Sets when the Aftertreatment Control Module (ACM) Detects that the Diesel Exhaust Fluid (DEF) Pressure Duty Cycle is Low
Monitored Parameter	DEF Pressure
Typical Enabling Conditions	DEF Dosing Enabled
Monitor Sequence	None
Execution Frequency	Continuous When Enabling Conditions Met
Typical Duration	20 Minutes
Dash Lamps	MIL, CEL
Engine Reaction	None
Verification	SCR Quantity Test

Check as follows:

1. Connect DiagnosticLink<sup>®</sup> Standard.
2. Turn ignition ON (key ON, engine OFF).
3. Is the Aftertreatment Control Module (ACM) software level 8.5.0.107 with fuel map ZGS 002 or higher?
  - a. Yes; Go to step 4.
  - b. No; update device software and then Go to step 4.
4. Check for multiple codes.
  - a. If SPN 3361/ FMI 3, 4, or 5 is also present repair those faults first.  
Refer to section "SPN 3361/FMI 3 - EPA10"  
Refer to section "SPN 3361/FMI 4 - EPA10"  
Refer to section "SPN 3361/FMI 5 - EPA10"
  - b. If the above faults are not present, Go to step 5.
5. Obtain the barometric pressure reading for your area. Is the barometric pressure reading for your area within 6.89 kPa (1 psi) of the barometric pressure reading in DiagnosticLink?
  - a. Yes; Go to step 6.
  - b. No; replace the MCM. Refer to section "Removal of the Motor Control Module". Verify repair.
6. Compare DEF pressure to ambient air pressure (Baro) and DEF air pressure.
7. Is DEF pressure within 28 kPa (4 psi) of ambient air pressure (Baro) and DEF air pressure?
  - a. Yes; Go to step 8.
  - b. No; replace the DEF pressure sensor. Refer to section "Removal of the Diesel Exhaust Fluid Pressure Sensor".

**NOTICE:** The air pressure in the primary tank needs to be greater than 689 kPa (100 psi) for the aftertreatment system dosing system to operate correctly. Verify air tank supply pressure is 689 kPa (100 psi) or higher before performing a DEF Quantity Test service routine.

8. Is the air pressure greater than 689 kPa (100 psi)?
  - a. Yes; Go to step 9.
  - b. No; start the engine and build the air pressure. Once the air pressure is greater than 689 kPa (100 psi), shut the truck off and Go to step 9.
9. Unbolt the DEF nozzle from the aftertreatment and place in the graduated cylinder provided if DEF test kit W060589001900. Perform a DEF Quantity Test service routine and record the amount of DEF fluid quantity dispensed. Is the dispensed DEF quantity between 102 and 138mL?
  - a. Yes; check for other fault codes. If no other codes than 4364/FMI any or 3364/FMI any are present, clear fault codes and release vehicle.

- b. No; replace the metering unit. Refer to section "Removal of the Diesel Exhaust Fluid Metering Unit".