



No.: 19 TS-1
March 26, 2019

TO: Service Locations

FROM: Service Systems Development

SUBJECT: **SCR Efficiency Test panel in DiagnosticLink 8.09 SP1**

ISSUE

New requirements needed to run the SCR efficiency test specifically for DiagnosticLink 8.09 SP1.

REQUIRED ACTION

The process for performing the SCR Efficiency Test using DiagnosticLink 8.09 SP1 varies on the ACM software version.

- **2016- 2017 Software**
 - HDEP (e7.56.x, e7.57.x) – regen, key cycle required, the five SCR efficiency test panel requirements met, Start routine.
 - MDEG (e9.57.x) – regen, key cycle required, the five SCR efficiency test panel requirements met, Start routine.
- **2018 and newer Software**
 - HDEP (e7.58.x, e7.59.x) – regen, no key cycle is needed, the five SCR efficiency test panel requirements met, Start routine.
 - MDEG (e13.52.x) – regen, no key cycle is needed, the five SCR efficiency test panel requirements met, Start routine.

Perform the SCR Efficiency test with 2016 – 2017 software as follows:

1. Perform a parked regen and allow the test to complete. Turn engine off at test end, wait 60 seconds and allow all modules to disconnect.

**WARNING:****PERSONAL INJURY**

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

- Always start and operate an engine in a well ventilated area.
- If operating an engine in an enclosed area, vent the exhaust to the outside.
- Do not modify or tamper with the exhaust system or emission control system.

**WARNING:****ENGINE EXHAUST**

To avoid injury from inhaling engine exhaust, always operate the engine in a well-ventilated area. Engine exhaust is toxic.

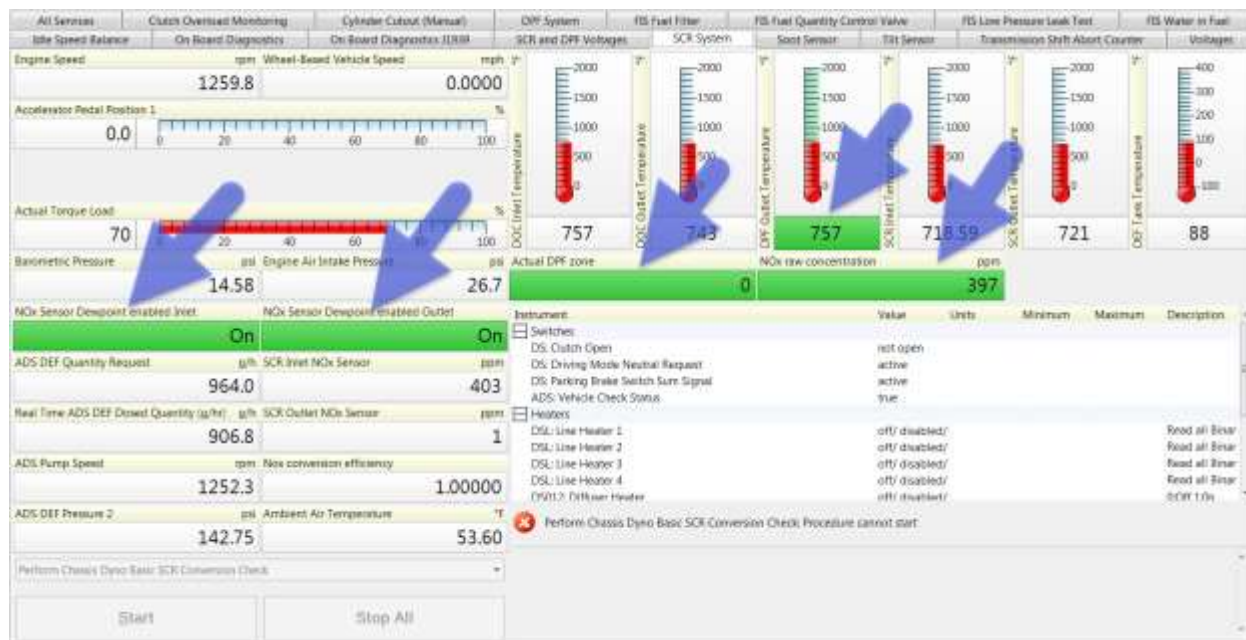
**WARNING:****PERSONAL INJURY**

To avoid injury before starting and running the engine, ensure the vehicle is parked on a level surface, parking brake is set, and the wheels are blocked.

2. Re-start engine and let DiagnosticLink re-connect to all modules.
3. Then navigate to SCR panel.
4. Confirm the five conditions on the panel are green and click the “SCR Efficiency Test” start button to initiate the test (button will be greyed out if conditions not met).

Note: The engine may need to idle for 10 minutes before the “NOX outlet Dewpoint Enabled Outlet” and “NOx Raw Concentration” requirements are met.

5. Select “Perform Parked SCR Efficiency Test” (not “Chassis Dyno Routine”) to initiate the routine.

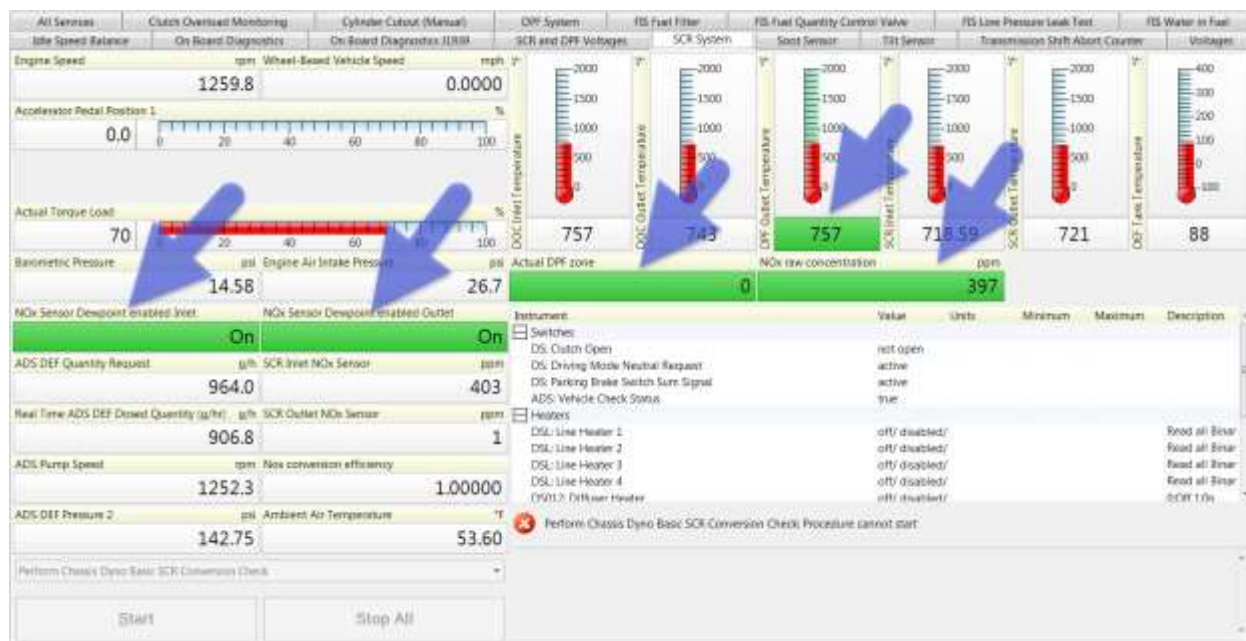


6. Select “Start” on the panel and then engage the regen switch on dash (or through ICUC on New Cascadias).

Note: When navigating through the instrument cluster menu on the New Cascadia, follow the prompts which may require you to select the “OK” button twice.

Perform the SCR Efficiency Test with 2018 and newer software as follows:

1. Perform a parked regen and allow to complete.
2. Then navigate to SCR panel.
3. Confirm the five conditions on the panel are green and click the “Perform Parked SCR Efficiency Test” start button (not “Chassis Dyno Routine”) to initiate the test (button will be greyed out if conditions are not met).



4. Select “Start” on the panel and then engage regen switch on dash (or through ICUC on New Cascadias).

Note: When navigating through the instrument cluster menu on the New Cascadia, follow the prompts which may require you to select the “OK” button twice.

CONTACT INFORMATION

Please contact the Detroit Diesel Customer Support Center at 800-445-1980 or email csc@daimler.com if you have any questions.