

### Diesel, Setting Ready Status

#### Vehicles Affected

Model	Model Year	Model Type	VIN Range	Vehicle-Specific Equipment
Cayenne Diesel	2013-2014	92AAV1	NA	NA
Cayenne Diesel Platinum Edition	2014	92AA51	NA	NA
Cayenne Diesel	2015-2016	92AAY1	NA	NA

#### Revision History

Revision	Release Date	Changes
0	May 15, 2019	Original document

#### Customer Concern

There is difficulty setting the ready status.

#### Technical Background

When setting the readiness status, please observe the sequence set forth in this document and disregard the sequence presently outlined in the Tester. The other readiness states not described here will set in the background when completing this instruction.

#### Service Information

The following sequence has proven to be helpful in setting the ready status flags:

##### I. Set the NMHC catalytic converter ready status.

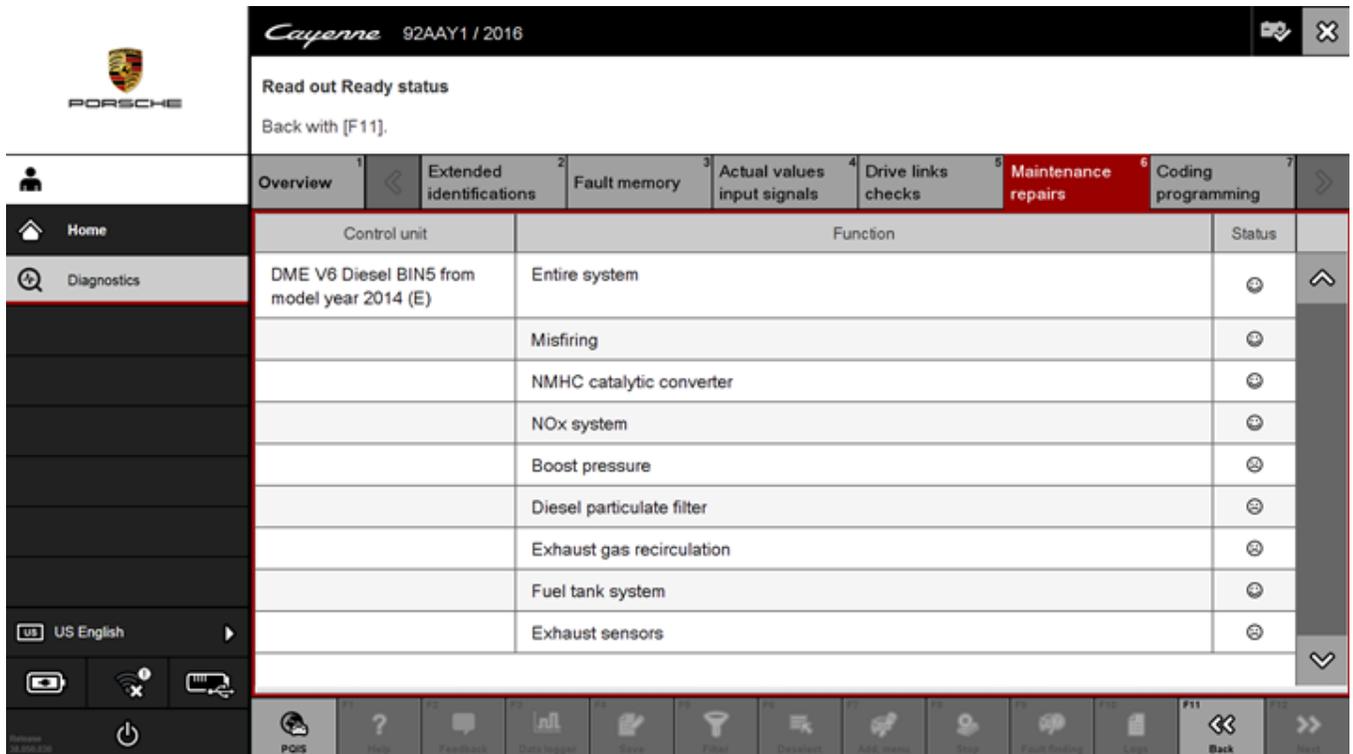
In order to set the NMHC catalytic converter ready status, follow the instructions below:

(1) Call up the oil temperature in the TFT display.

(2) Operate the vehicle observing the following conditions:

- Little to no time should be wasted upon starting the engine and beginning the drive. The monitor for this readiness status requires the oil temperature to not exceed 190° F (90° C). Depending upon the starting ambient temperature, this only allows for approximately 15 min of drive time to set this readiness status
- Low engine speeds between 1500-3000 rpm
- Perform manual transmission shifts, not exceeding 4th gear
- Do NOT exceed vehicle speeds greater than 50 mph (80 km/h)
- Drive on level roads (no downhill runs)
- Refrain from quick or abrupt acceleration
- Minimize the number of stops

- (3) Check the ready status, if the monitor has not set after 20 minutes, then **stop driving** and allow the engine to cool to ambient temperature before attempting another drive. It may take up to three attempts to set this ready status.



**II. Set the Boost pressure ready status. (If the monitor was already set, then skip to Step III.)**

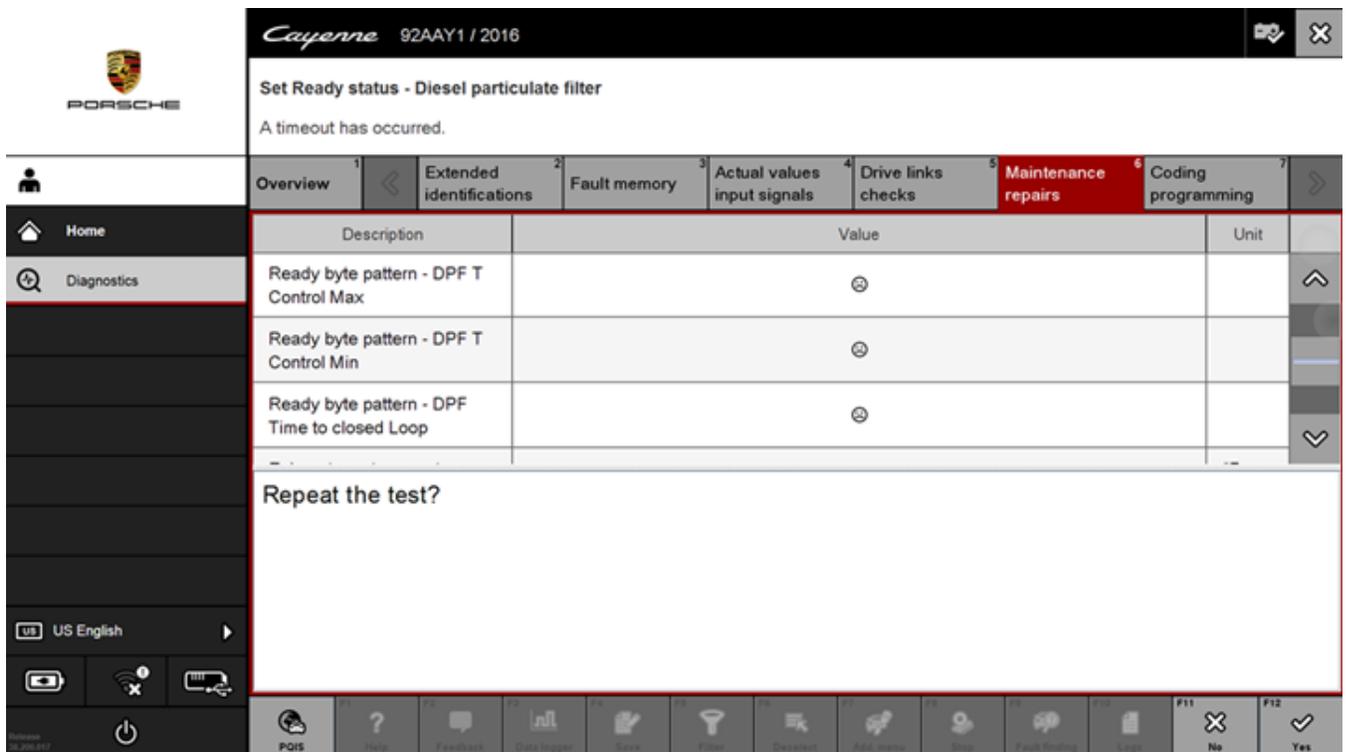
In order to set the Boost pressure ready status, follow the instructions below:

- (1) Operate the vehicle under mixed urban and highway driving profiles consisting of both steady state and high dynamic engine loads.
- (2) Observe the following conditions when operating the vehicle:
  - During both steady state and dynamic engine load conditions, ensure a vehicle speed greater than 16 mph (25 km/h) for approx. 15 min
  - Include fast activation and release of the acceleration pedal
  - Include 2-3 sharp accelerations of approximately 60 mph (0 – 100 km/h)
- (3) Check "Boost pressure" ready status.

**III. Set the Diesel particulate filter ready status.**

In order to set the Diesel particulate filter ready status, follow the instructions below:

- (1) Go to Maintenance repairs-> Set ready status.
- (2) Start the engine and observe the following conditions when operating the vehicle:
  - 10 -15 minutes of "city driving"
  - 20 minutes of highway driving while maintaining steady speeds of approximately 60 mph (100 km/h)
  - If the message "A timeout has occurred" results, then the test must be repeated. To repeat the test, select F11 "No," **stop driving**, and let the engine cool down to ambient temperature before attempting another drive
  - It may take up to 3 attempts to successfully set the ready status



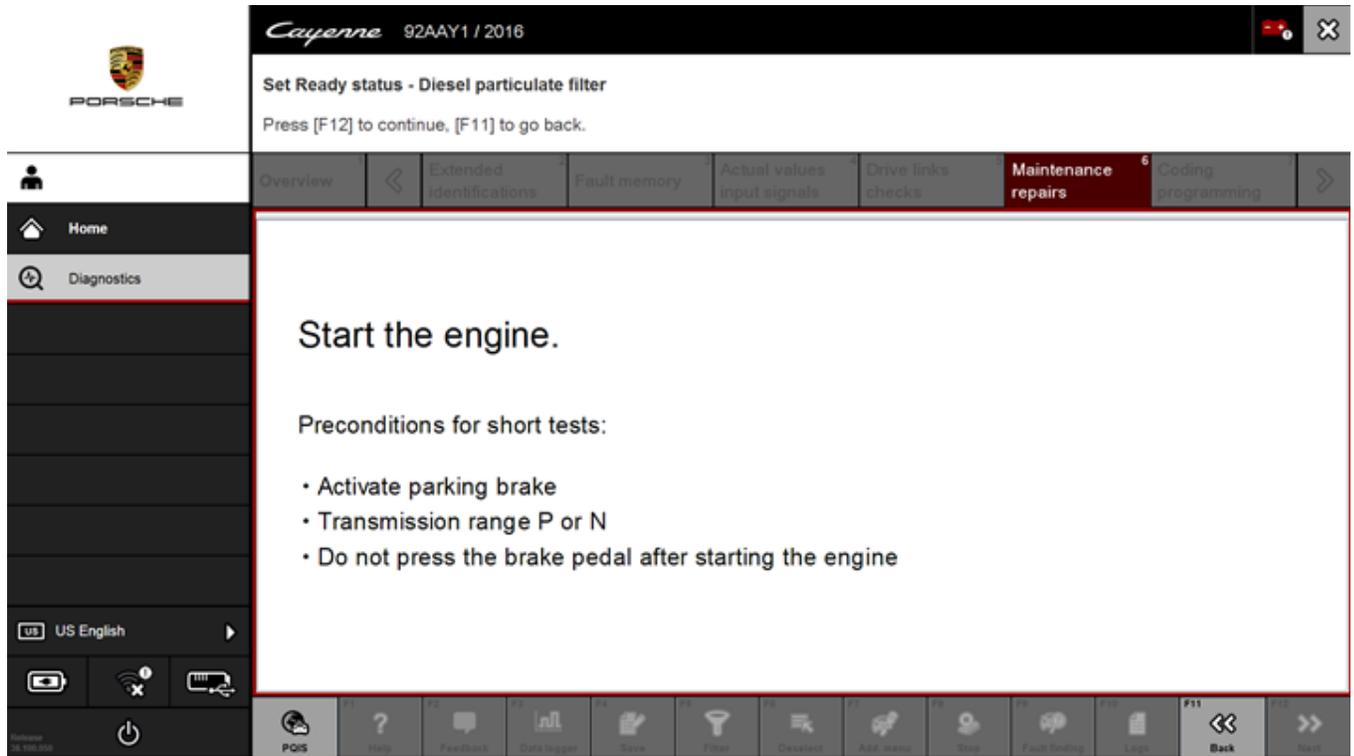
(3) Once all readiness bits have been set, find a place to park, as the next sequence will perform the regeneration and you will need to be stationary in an open environment for up to 30 min.

The screenshot shows the Porsche diagnostic software interface for a Cayenne 92AAY1 / 2016. The main window displays the 'Set Ready status - Diesel particulate filter' section. A navigation bar at the top includes 'Overview', 'Extended identifications', 'Fault memory', 'Actual values input signals', 'Drive links checks', 'Maintenance repairs' (highlighted in red), and 'Coding programming'. Below this is a table with the following data:

Description	Value	Unit
Ready byte pattern - DPF T Control Max	☺	
Ready byte pattern - DPF T Control Min	☺	
Ready byte pattern - DPF Time to closed Loop	☺	
Exhaust gas temperature ahead of bank 1 diesel	744.5	°F

Below the table, an 'INFORMATION:' section states: 'All readiness bits have been set. Bring the vehicle to a standstill if possible and press [F12].'

- (4) Pay attention to the next screen, it is critical that these instructions are followed.  
Place the vehicle in park, start the engine, then ensure your foot is OFF the brake and select F12.



(5) Follow the instructions in the PIWIS Tester to perform the regeneration.

**Cayenne 92AAY1 / 2016**

Set Ready status - Diesel particulate filter  
See Information! Cancel with [F8].

Overview | Extended identifications | Fault memory | Actual values input signals | Drive links checks | **Maintenance repairs** | Coding programming

Description	Value	Unit
Information	Press brake pedal and press accelerator pedal down.	
Status of short test	Routine not running	
Ready status	⊖	

**INFORMATION:**  
Please perform the action as prompted by the DME!  
During the short test, the second condition for setting the readiness bit for monitoring the particulate filter must be met. This can take up to 30 minutes.

**Cayenne 92AAY1 / 2016**

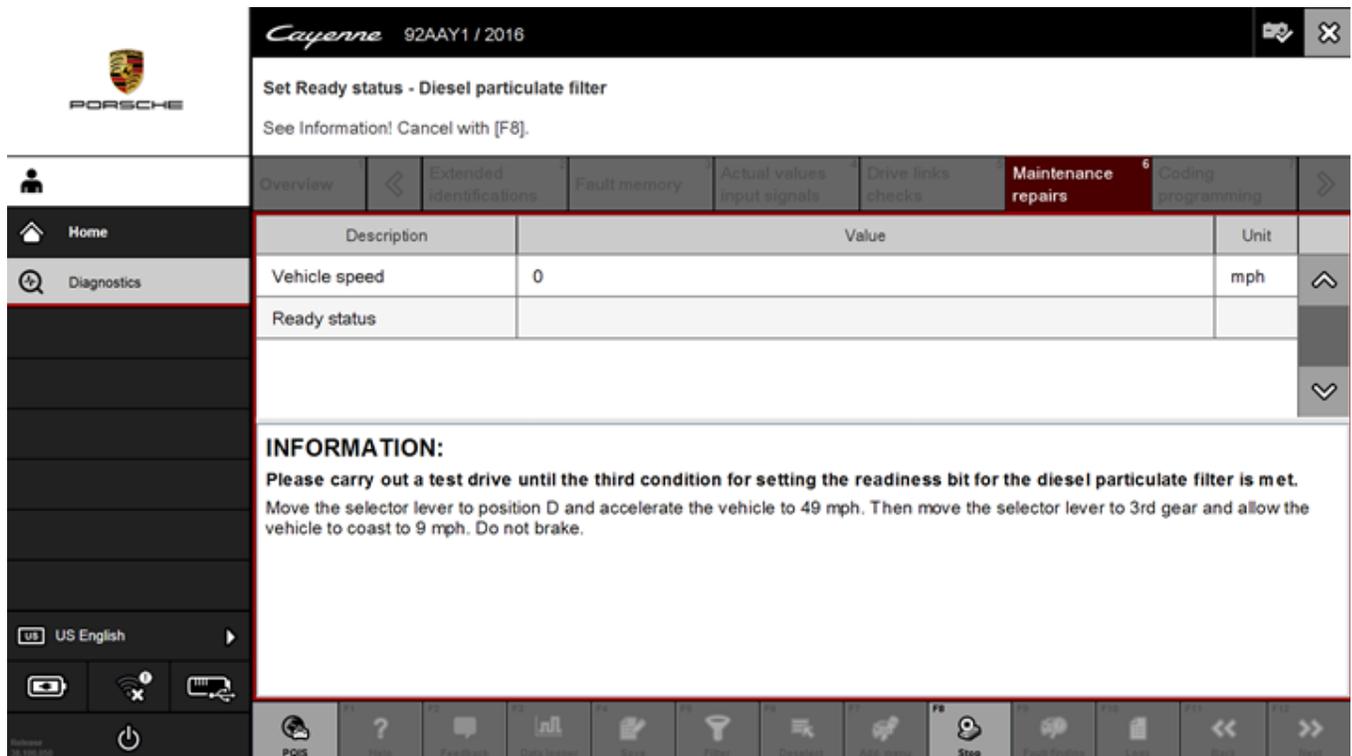
Set Ready status - Diesel particulate filter  
See Information! Continue with [F12].

Overview | Extended identifications | Fault memory | Actual values input signals | Drive links checks | **Maintenance repairs** | Coding programming

Description	Value	Unit
Information	-	
Status of short test	Routine not running	
Ready status	⊖	

**INFORMATION:**  
Readiness bit was set.  
Press [F12] to continue.

(6) Once you select F12, you will see the following screen.



(7) Ignore this instruction and select F8.

- All the ready status monitors should be set.
- If any ready status is not set, please file a TLAR in the PTEC system for technical support.

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