



Technical Service Bulletin

GROUP

Campaign

NUMBER

19-01-033H

DATE

November, 2019

MODEL(S)

NEXO (FE)

SUBJECT:

NEXO HYDROGEN PRESSURE SENSOR REPLACEMENT
(SERVICE CAMPAIGN T4E)

★ IMPORTANT

*****Dealer Stock and Retail Vehicles*****

Dealers must perform this Service Campaign on all affected vehicles prior to customer retail delivery and whenever an affected vehicle is in the shop for any maintenance or repair.

When a vehicle arrives at the Service Department, access Hyundai Motor America's "Warranty Vehicle Information" screen via WEBDCS to identify open Campaigns.

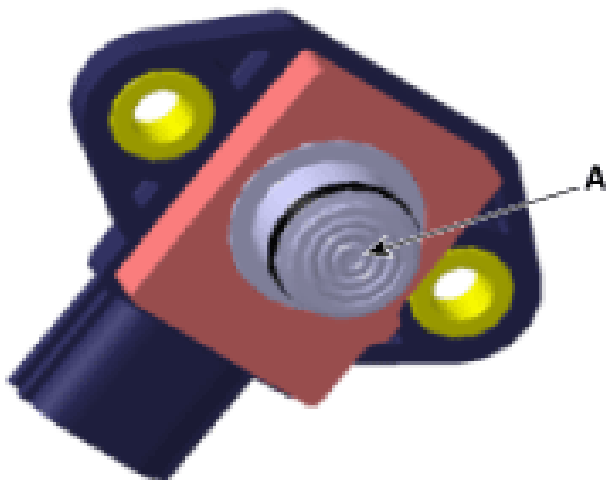
Description:

This bulletin provides information on DTCs P315200 and P315300. If a vehicle is in service for any maintenance or repair, including the DTCs listed above, both Hydrogen Pressure Sensor 1 and Hydrogen Pressure Sensor 2 must be replaced with an updated part.

Applicable Vehicles: Certain 2019MY Nexo (FE) Fuel Cell Electric Vehicle

CAUTION

- Perform this procedure only outdoors at a designated Hydrogen venting location.
- Damage to the sensor may occur if the thin metal membrane (A) makes contact with other objects. Do not touch or allow sensor membrane to contact other objects.
- Use extreme care when handling and installing the sensor! Keep protective cap installed until the sensor is ready to install.



Circulate To: General Manager, Service Manager, Parts Manager, Warranty Manager, Service Advisors, Technicians, Body Shop Manager, Fleet Repair

Parts Information:

Part Name	Illustration / Part Number	Quantity
Transducer-Pressure	35872-M5000QQH	2

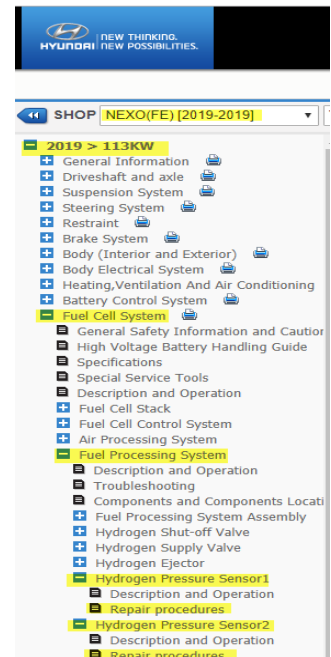
Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature	Cause
Nexo (FE)	90C028R0	Hydrogen Pressure Sensor Replacement	0.8 M/H	35872-M5000	I3A	ZZ1

Service Procedure:

Perform this procedure at a designated outdoor venting location.

1. Ensure Hyundai GDS Mobile has the latest software update per TSB 15-GI-001.
2. Park vehicle outdoors at designated location for Hydrogen venting.
3. Using the Hyundai GDS Mobile scan tool, check all systems for Diagnostic Trouble Codes (DTCs). Record DTCs that are unrelated to this TSB. Once recorded, clear all DTC's.
4. Use the **Start/Stop** push button, turn off the vehicle.
5. Login to <https://www.hyundaitechinfo.com/>
6. Go to the Shop tab under Service Information.
7. Using the model field, select, **Nexo (FE) [2019-2019]** from the drop down list. Then select the following links in order:
 - 2019 > 113KW
 - Fuel Cell System
 - Fuel Processing System
 - Hydrogen Pressure Sensor 1
 - Repair Procedures
 - Hydrogen Pressure Sensor 2
 - Repair Procedures
8. Replace Hydrogen Pressure Sensors 1 and 2 by following the instructions as found in step 6.

**WARNING**

Ensure fuel stack compartment is free of ignition sources while performing this procedure. A small amount of Hydrogen gas may escape from the fuel cell while the Hydrogen Pressure Sensors are out of the fuel cell.

NOTICE

Ensure the following procedures are completed as instructed in the Hyundai Service Manual, Hydrogen Pressure Sensor 1 and 2 > Repair Procedures:

- Offset Resetting of Hydrogen Pressure Sensor
- Correction of the Hydrogen Pressure Sensor

9. Check for Hydrogen leaks at Hydrogen Pressure Sensor 1 and 2 using a combustible gas detector.
10. Using the Hyundai GDS Mobile scan tool, check all systems for Diagnostic Trouble Codes (DTCs). Record DTCs that are unrelated to this TSB, once recorded, clear all DTC's.
11. Contact Dealership Management regarding any DTCs unrelated to this procedure.