

**HYUNDAI**NEW THINKING.
NEW POSSIBILITIES.**Technical Service Bulletin**

GROUP

CAMPAIGN

NUMBER

16-01-003

DATE

FEBRUARY 2016

MODEL(S)

**2016 SONATA
HYBRID (LF HEV)****SUBJECT:****SONATA LF HEV IGNITION COIL REPLACEMENT
(SERVICE CAMPAIGN TZ4)****★ IMPORTANT******* Dealer Stock Vehicles *****

Dealers must perform this Service Campaign on all affected vehicles prior to customer retail delivery.

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

Description:

On certain 2016 SONATA HYBRID (LF HEV) vehicles equipped with a 2.0L GDI engine the following symptoms may occur at Cold Start:




- Malfunction Indicator Light On with DTC P0301~P0304: Cylinder 1~4 - Misfire detected.
- Abnormal rattle noise from the engine.

These symptoms may be due to an internal circuit in the ignition coil.

Follow the service information to replace all 4 ignition coils with the updated part listed below.

Applicable Vehicle: Certain 2016MY Sonata Hybrid (LF HEV) vehicles.

Parts Information:

PART NAME	FIGURE / PART NUMBER		REMARK
	PREVIOUS	NEW	
IGNITION COIL			<ul style="list-style-type: none">- Order 4EA to replace all ignition coils.- White sticker is attached on the top surface of the new part.
			
	27300-2E601	27300-2E601QQH	

Warranty Information:

Op Code	Operation	Op Time
50C104R0	IGNITION COIL REPLACEMENT	0.3 M/H

Circulate To: Service Manager, Parts Manager, Warranty Manager, Technicians, Fleet Repair

Notes:

- If an auxiliary (other than ignition coil) part is found in need of replacing while performing this Service Campaign and affected part is still under warranty, submit a separate warranty claim using the same RO.
- Submit claim using the campaign claim entry screen.

Service Information:

1. Open the trunk and remove the 12V battery cover.
2. Remove the 12V battery (-) negative terminal with a 10mm socket.

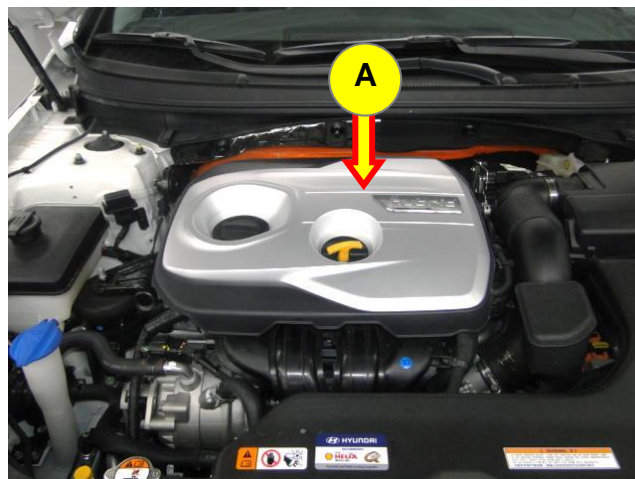
NOTICE

Tightening torque:

4.0 ~ 6.0 Nm (0.4 ~ 0.6 kgf.m/ 3.0 ~ 4.4 lb-ft)



3. Open the hood and remove the engine cover (A).



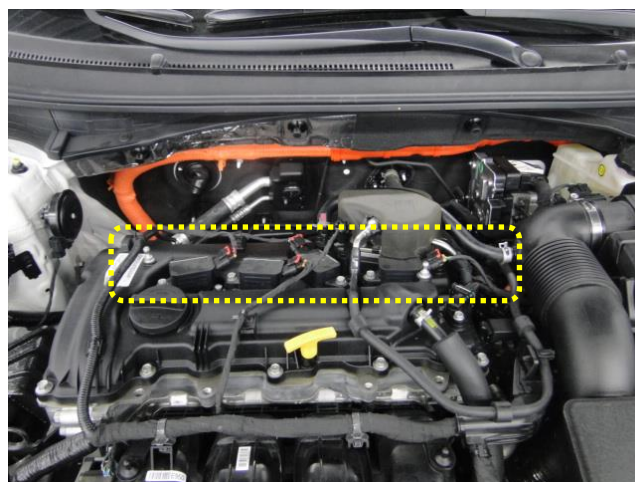
4. Disconnect all 4 ignition coil connectors.

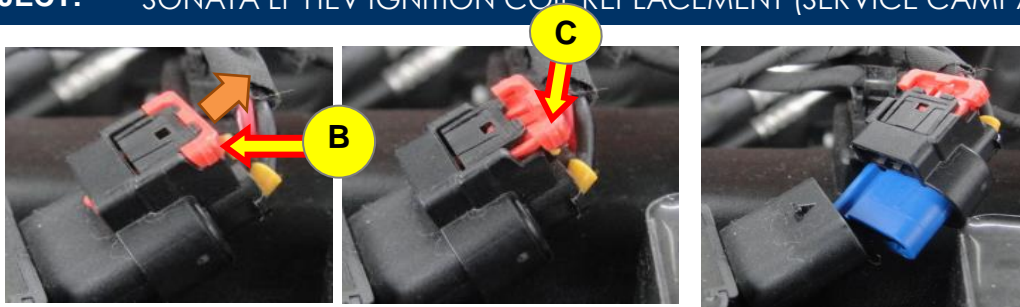
NOTICE

- See related diagrams on the next page for how to remove the ignition coil connector.

Ignition Coil Connector Removal:

- Pull the lock pin (B) out first.
- Push down and hold the outer edge of clip (C) with lock pin (B) extended and you can then pull out the connector.



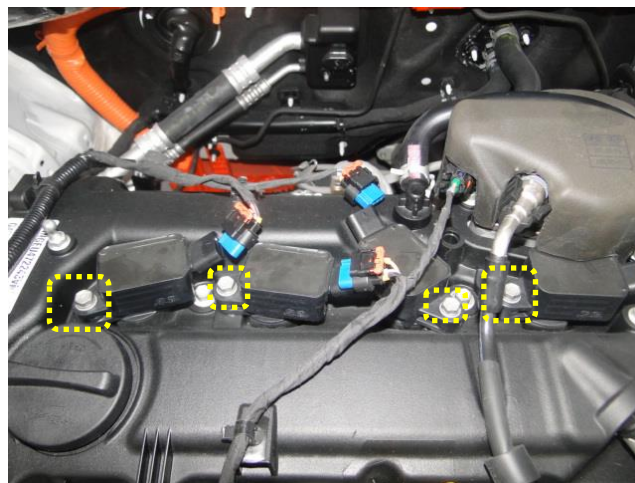


Remove the 4 ignition coil mounting bolts with 10mm socket and remove all ignition coils.

5. Install the new ignition coils.
6. Reinstall all the removed parts in reverse order of removal then reconnect the 12V battery negative terminal.

IMPORTANT

Assure that all ignition coil connectors are properly secured in place with the lock pins pushed in completely.



7. Connect GDS and do an ALL Fault Code Search with ENGINE system selected, and check for any DTC P0301-P0304 found in History.
8. *Erase All DTC* if any found.

