



Technical Service Bulletin

GROUP CAMPAIGN	NUMBER 18-01-017
DATE APRIL, 2018	MODEL ACCENT (HC)

SUBJECT: HC ACCENT SPARK PLUG REPLACEMENT
(SERVICE CAMPAIGN T2X)

***** 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 the procedure to inspect the current spark plugs, replace all 4 spark plugs, check new spark plug gap, and clear Diagnostic Trouble Codes (DTC).

This bulletin addresses the following conditions:

- DTC P0300 / P0301 / P0302 / P0303 / P0304 Random/Multiple Misfire.
- Engine runs rough.

APPLICABLE VEHICLES: Certain 2018 Accent (HC) with 1.6L Gasoline (Gamma) GDI engine

Parts Information:

MODEL	PART NUMBER	DESCRIPTION	PHOTO	QUANTITY
Accent (HC)	18846-10061QQH	Spark Plug		4 / Vehicle

Warranty Information:

MODEL	OP CODE	OPERATION	OP TIME	CAUSAL P/N	NATURE CODE	CAUSE CODE
Accent(HC)	180M06R0	Spark Plug Replacement and GDS Scan	0.7	18846-10061QQH	I3A	ZZ3

NOTE 1: Submit claim on Campaign Claim Entry Screen.

NOTE 2: If a part is found in need of replacement while performing this Service Campaign and the affected part is still under warranty, submit a separate claim using the same Repair Order Number and the same Causal Part Number as the Campaign Claim. If the affected part is out of warranty, submit a Prior Approval Request for goodwill consideration prior to performing the work.

Tools Required	
	Torque wrench
	Ratchet 3/8"
	Extension – 3/8"
	Socket 10mm-3/8"
	<p style="text-align: center;">Spark Plug Socket 16mm-3/8"</p> <div style="border: 1px solid black; padding: 5px;"> <p style="background-color: #003366; color: white; text-align: center; margin: 0;">NOTICE</p> <p style="margin: 0;">Use a quality spark plug socket with rubber interior lining to hold the plug securely and prevent plug ceramic damage.</p> </div>
	Spark Plug Gap Gauge

Service Procedure:

⚠ CAUTION

Perform this repair with ignition OFF.

1. Open the hood and remove the engine cover.



2. Disconnect all 4 ignition coil connectors.



3. Remove the bolt from each of the 4 ignition coils using a 10mm socket with a 3/8" ratchet and extension.

Tightening torque:

**9.8 - 11.8 N.m
(1.0 - 1.2 kgf.m, 7.2 - 8.7 lb-ft)**



4. Remove all ignition coils.





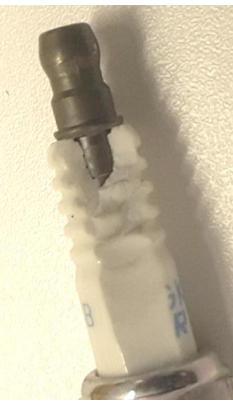
- Remove each of the 4 spark plugs using a 16mm spark plug socket on a 3/8" ratchet and extension.

Perform the below spark plug inspection of each plug as it is removed and identify any cylinders that have damaged plugs.



Spark Plug Inspection:

Inspect each spark plug's ceramic condition as they are removed from the engine to determine the appropriate repair action based on their condition:

Plug Ceramic Condition	Example	Repair Action
<p>All Plugs are Good (no damage)</p>		<p>Continue with this TSB procedure to replace plugs and clear DTC.</p>
<p>Cracked only. (no fragmented material is missing)</p>		<p>Continue inspecting other plugs and if none are damaged with detached fragment(s) like the example below, then continue the TSB procedure to replace plugs and clear DTC.</p>
<p>Damaged with fragment(s) detached from the plug.</p>		<p>DO NOT START ENGINE. Contact Techline for further repair advice. Identify affected cylinder(s) and take photo of the damaged plug condition to provide Techline to view severity of the plug condition and repair. Note: Fragment(s) may have fallen into the engine port(s) and may require special procedure to prevent engine damage.</p>

6. Discard all 4 plugs removed from the engine.

Inspect the condition of the new replacement plugs to make sure they are not damaged.

Inspect the electrode gap of all 4 new spark plugs using a gap gauge. Adjust as required to meet specifications.

NOTICE

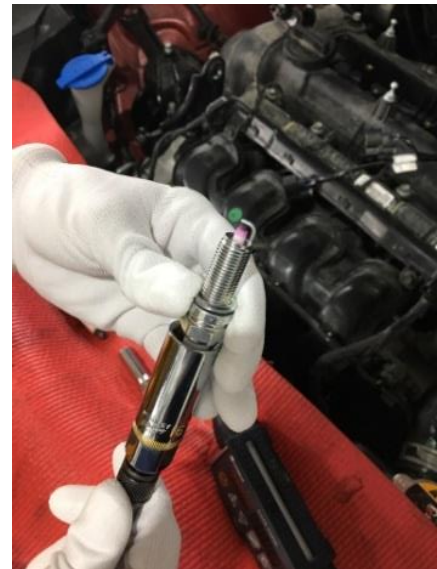
Electrode Gap spec:
0.9 - 1.0 mm
(0.0354 – 0.0394 in)



7. Install new spark plugs using a 16mm spark plug socket with a 3/8" ratchet and extension.

NOTICE

Be sure to use a quality 16mm spark plug socket with rubber interior lining to hold the plug and prevent damage to the plug's ceramic during installation.



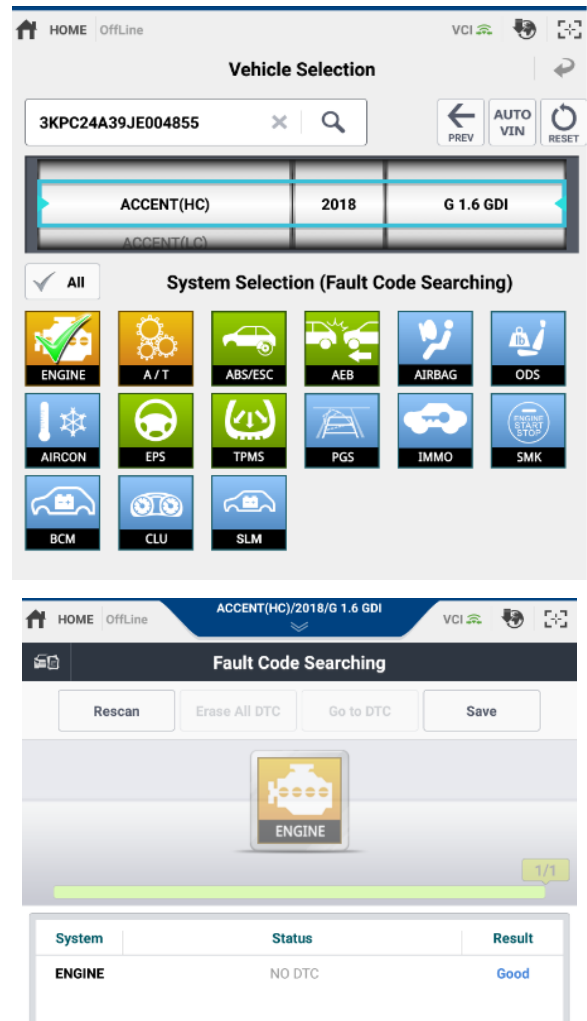
8. Tighten all 4 spark plugs with a torque wrench to specifications.

Tightening torque:

14.7 ~ 24.5 N.m
(1.5 ~ 2.5 kgf.m, 10.9 ~ 18.0 lb-ft)



9. Reinstall the ignition coils, ignition coil connectors, and engine cover in reverse order of removal.
10. Attach a GDS to perform **Fault Code Searching** of the **Engine** System to check for any DTC P0300-P0304 and select **Erase All DTC** if any are found.



11. Procedure is complete.