



# Technical Service Bulletin

GROUP	NUMBER
CAMPAIGN	18-01-017-1
DATE	MODEL
MAY, 2018	ACCENT (HC)

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

*This bulletin is revised to add procedure to reset the Adaptive Values by GDS as final step.*

**\*\*\* 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	
	<b>Torque wrench</b>
	<b>Ratchet 3/8"</b>
	<b>Extension – 3/8"</b>
	<b>Socket 10mm-3/8"</b>
	<p style="text-align: center;"><b>Spark Plug Socket 16mm-3/8"</b></p> <div style="border: 1px solid black; padding: 5px;"> <p style="background-color: #003366; color: white; text-align: center; margin: 0;"><b>NOTICE</b></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>
	<b>Spark Plug Gap Gauge</b>

**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.





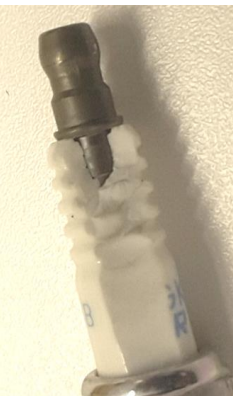
- Remove each of the 4 spark plugs using a 16mm spark plug socket on a 3/8" ratchet and extension.

**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><b>All Plugs are Good</b> (no damage)</p>		<p>Continue with this TSB procedure to replace plugs and clear DTC.</p>
<p><b>Cracked only.</b> (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><b>Damaged with fragment(s) detached from the plug.</b></p>		<p><b>DO NOT START ENGINE. Contact Techline for further repair advice.</b> Identify affected cylinder(s) and take photo of the damaged plug condition to provide Techline to view severity of the plug condition and repair. <b>Note:</b> 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**

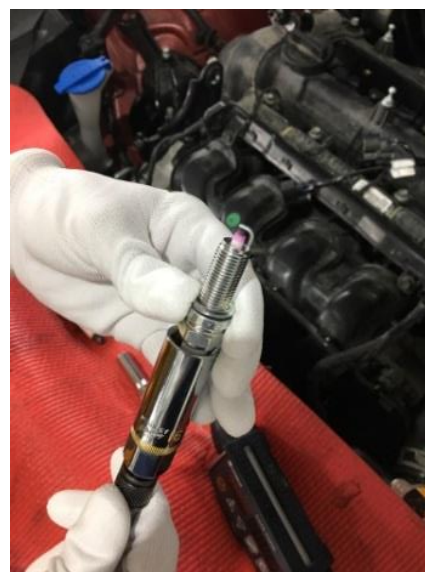
Electrode Gap spec:  
0.9 - 1.0 mm  
(0.0354 – 0.0394 in)



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.



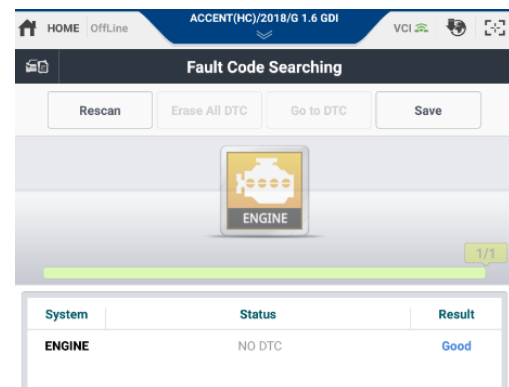
8. Tighten all 4 spark plugs with a torque wrench to specifications.

**Tightening torque:**

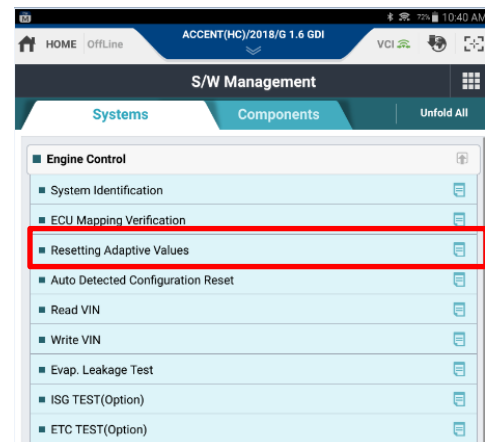
**14.7 ~ 24.5 N.m**  
**(1.5 ~ 2.5 kgf.m, 10.9 ~ 18.0 lb-ft)**



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. Select **Resetting Adaptive Values** within the GDS **S/W Management** menu.



Follow GDS on screen instructions. The confirmation screen shown to the right will appear when it is completed.

TSB PROCEDURE IS COMPLETE.

