	GROUP <b>ENG</b>	MODEL <b>2017MY Forte (YDm) 2.0L MPI</b>
	NUMBER <b>170</b>	DATE <b>June 2017</b>
<b>TECHNICAL SERVICE BULLETIN</b>		
<b>SUBJECT: ADAPTIVE VALUES RESET FOR DTC P0016</b>		

This bulletin provides the procedure to reset adaptive values on some 2017MY Forte (YDm) 2.0L MPI vehicles, produced from May 15, 2016 through April 26, 2017, which may experience a malfunction indicator lamp illumination with DTC P0016 due to a stuck intake CVVT assembly. To correct this concern, reset the adaptive values of the engine ECU using the KDS as described in this bulletin.

#### **DTC P0016: Crankshaft/Camshaft Position Correlation (Bank 1 Sensor A Intake)**



Kia Diagnostic System (KDS)

#### **★ NOTICE**

- A fully charged battery is necessary before this procedure can be performed. It is recommended that the Midtronics GR8-1299 system be used in ECU mode during charging. **DO NOT** connect any other battery charger to the vehicle during procedure.
- This procedure must be done with the ignition key in the 'ON' position.
- Be careful not to disconnect the VCI-II connected to the vehicle during this procedure.
- **DO NOT** start the engine during this procedure.
- **DO NOT** turn the ignition key 'OFF' or interrupt the power supply during this procedure.
- When this procedure is completed, turn the ignition 'OFF' and wait 10 seconds before starting the engine.
- Prior to performing this procedure, be sure to check that the KDS is fully charged.

**File Under: <Engine>**

**Circulate To:**    ☒ General Manager    ☒ Service Manager    ☒ Parts Manager  
☒ Service Advisors    ☒ Technicians    ☒ Body Shop Manager    ☐ Fleet Repair

**Service Procedure:**

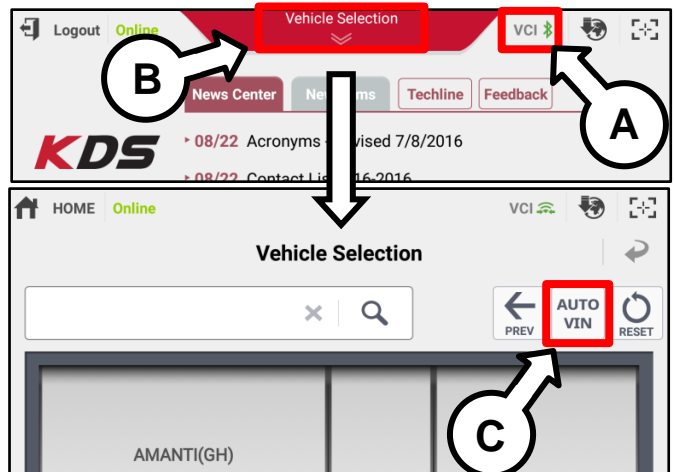
1. Connect the VCI-II to the OBD-II connector, located under the driver's side of the instrument panel.



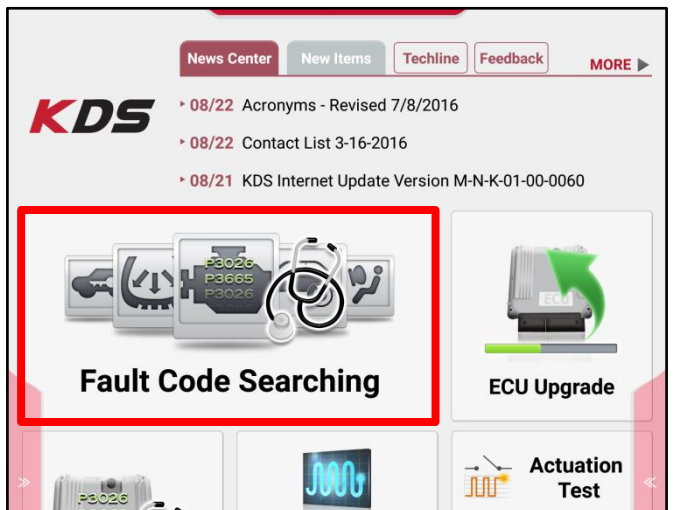
2. With the ignition ON, turn ON the KDS tablet. Select **KDS** from the home screen.



3. Confirm communication with VCI (A) and then configure the vehicle (B) using the **AUTO VIN** (C) feature.



4. From the home page of the KDS app, select "Fault Code Searching".



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5. Select “Engine” and select “OK” to perform the fault code search.

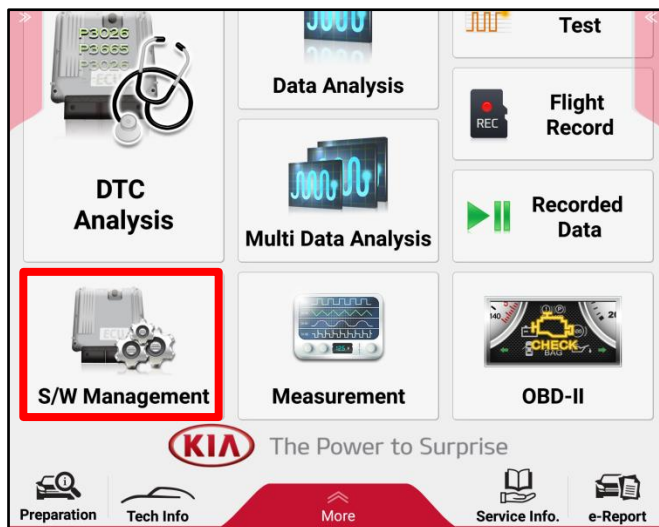
Record and then clear any **Engine** related fault codes.

### \* NOTICE

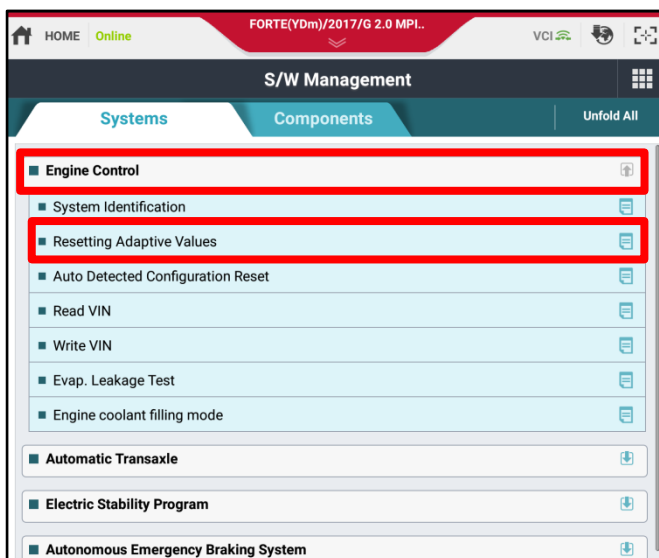
If there are codes not listed on this TSB (P0016), further diagnosis may be required. Refer to the applicable Shop Manual on KGIS for information regarding the non-listed DTC.



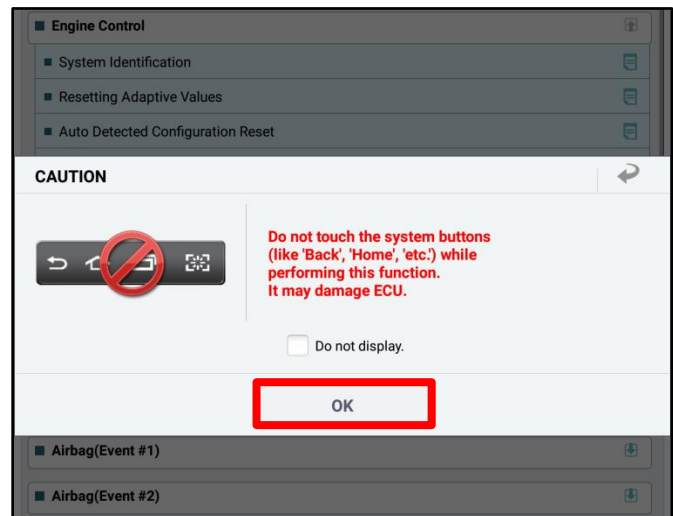
6. Return to the KDS app home page and select “S/W Management”.



7. Select “Engine Control” → “Resetting Adaptive Values” under the “Systems” tab.



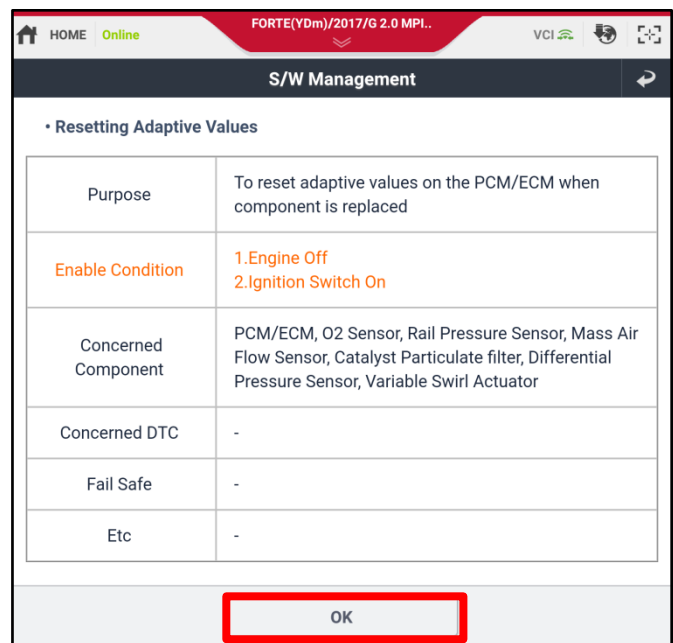
8. Select “OK” to continue.



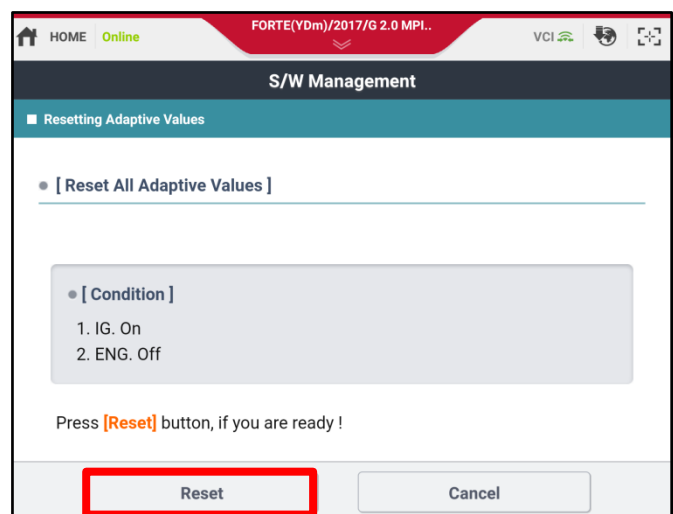
9. Ensure the Enable Conditions are met:

- Ignition ON
- Engine OFF

Select “OK” to continue.



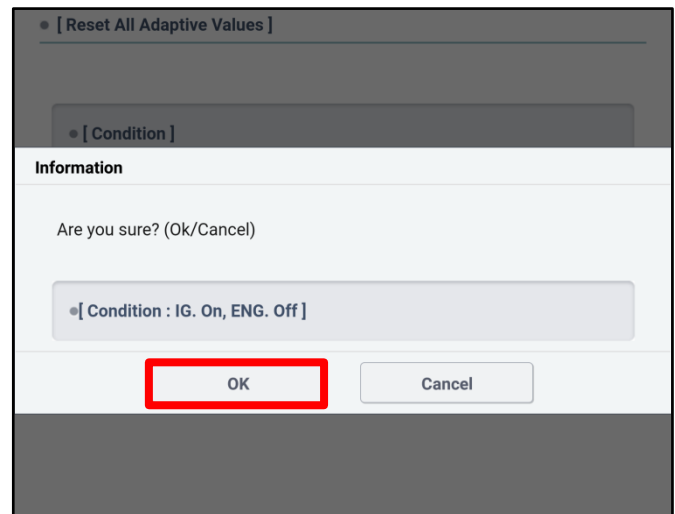
10. Select “Reset” to reset the adaptive values.



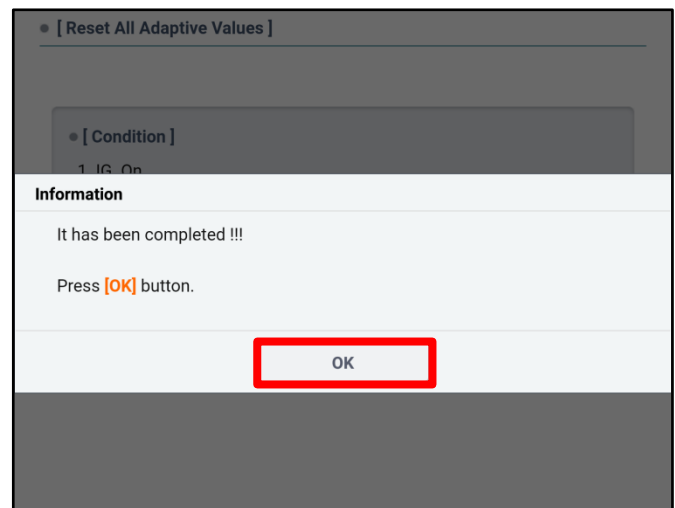
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11. Select “OK” when prompted to confirm (“Are you sure?”).



12. Select “OK” to complete the procedure.



13. Start the engine and perform at least 2 drive cycles to confirm proper operation of the vehicle.

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## AFFECTED VEHICLE RANGE:

Model	Production Date Range
Forte (YDm) 2.0L MPI	May 15, 2016 through April 26, 2017

## WARRANTY INFORMATION:

N Code: I3A C Code: ZZ3

Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
W	39131 2EYG0	0	Adaptive Values Reset for DTC P0016	39110RQ0	0.3 M/H	N/A	0