



# HYUNDAI Technical Service Bulletin

Group	ENGINE MECHANICAL
Number	06-01-015
Date	DECEMBER, 2006
Model	2007 AZERA

Subject  
**CAMPAIGN T33 -  
 AZERA OIL CONTROL VALVE INSPECTION AND / OR  
 REPLACEMENT**

<b>CIRCULATE TO:</b>	<input type="checkbox"/> GENERAL MANAGER	<input checked="" type="checkbox"/> PARTS MANAGER	<input checked="" type="checkbox"/> TECHNICIAN
<input checked="" type="checkbox"/> SERVICE ADVISOR	<input checked="" type="checkbox"/> SERVICE MANAGER	<input checked="" type="checkbox"/> WARRANTY MGR	<input type="checkbox"/> SALES MANAGER

**IMPORTANT: DEALERS MUST PERFORM THIS CAMPAIGN ON ALL AFFECTED VEHICLES PRIOR TO CUSTOMER RETAIL DELIVERY.**

**IMPORTANT: WHEN A VEHICLE ARRIVES AT THE SERVICE DEPARTMENT, ACCESS HYUNDAI MOTOR AMERICA'S "WARRANTY VEHICLE INFORMATION" SCREEN VIA DCS ON-LINE TO IDENTIFY OPEN CAMPAIGNS.**

**DESCRIPTION:**

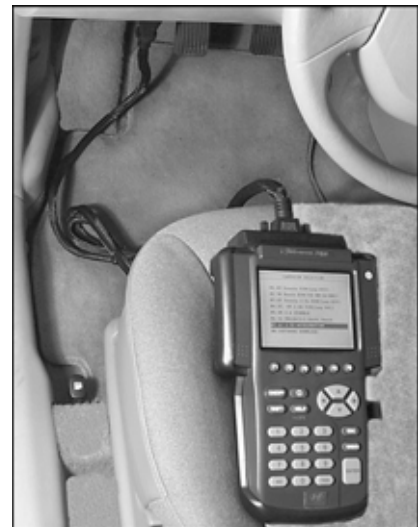
This bulletin provides a Hi-Scan Pro inspection procedure to determine if the Engine Oil Control Valve operates normally. If it does not, replace the sub-engine assembly.

**Vehicles Affected:**

Model: 2007 Azera (TG) vehicles produced on September 26, 2006.

**SERVICE PROCEDURE:**

1. Place the shift lever in the "P" or "N" position and start the engine.
2. Connect a Hi-Scan Pro to the DLC connector.



- Select the Current Data menu for the Azera and scroll to "CAM BANK2 ACTUAL POS." and "CAM BANK2 DESIRE POS."

**NOTE:** The screen to the right shows the **NORMAL** operation of the OCV at idle.

1.11 CURRENT DATA		72/01			
SHOT TERM FUEL - B2	0.0 %	▲ ▼			
VIS 1 OPERATION STATUS	ON				
ETC MOTOR DUTY	0.00 %				
ETC THROTTLE POSITION	17.49 %				
CAM BANK1 ACTUAL POS.	0.0				
CAM BANK1 DESIRE POS.	0.0				
<b>CAM BANK2 ACTUAL POS.</b>	<b>0.0</b>				
CAM BANK2 DESIRE POS.	0.0				
FIX	SCRN	FULL	PART	GRPH	HELP

- Depress the accelerator pedal and hold the engine speed at 2500rpm. While holding the engine speed at 2500 rpm, check the values of "CAM BANK2 ACTUAL POS." and "CAM BANK2 DESIRE POS."

**NOTE:** The screen to the right shows the OCV operating **ABNORMALLY**.

1.11 CURRENT DATA		72/01			
SHOT TERM FUEL - B2	0.0 %	▲ ▼			
VIS 1 OPERATION STATUS	ON				
ETC MOTOR DUTY	0.00 %				
ETC THROTTLE POSITION	17.48 %				
CAM BANK1 ACTUAL POS.	34.8				
CAM BANK1 DESIRE POS.	35.2				
<b>CAM BANK2 ACTUAL POS.</b>	<b>0.0</b>				
CAM BANK2 DESIRE POS.	35.0				
FIX	SCRN	FULL	PART	GRPH	HELP

**NOTE:** The screen to the right shows the OCV operating **NORMALLY**.

1.11 CURRENT DATA		72/01			
SHOT TERM FUEL - B2	0.0 %	▲ ▼			
VIS 1 OPERATION STATUS	ON				
ETC MOTOR DUTY	0.00 %				
ETC THROTTLE POSITION	17.48 %				
CAM BANK1 ACTUAL POS.	34.8				
CAM BANK1 DESIRE POS.	35.2				
<b>CAM BANK2 ACTUAL POS.</b>	<b>34.9</b>				
CAM BANK2 DESIRE POS.	35.0				
FIX	SCRN	FULL	PART	GRPH	HELP



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**Criterion:**

When the engine speed is 2500rpm.

	Value		Remark
	CAM BANK2 TARGET POS.	CAM BANK2 DESIRE POS.	
Normal	Approximately 35°	Approximately 35°	The value of the actual position is synchronized with the target position.
Abnormal	Approximately 35°	0°	The value of the actual position remains at "0".

- After verifying the OCV operation is normal, no further procedure is needed. If the OCV operates abnormally replace the sub-engine assembly referring to the shop manual for the proper procedure.

**WARRANTY INFORMATION:**

OP CODE	OP NAME	OP TIME
60B049I1	OCV Inspection	0.3 M/H
60B049R1	OCV Inspection & Sub Engine R&R	14.0 M/H

**NOTE: Submit claims using the Campaign Claim Screen.**