

# HYUNDAI AMERICA TECHNICAL CENTER, INC.

A Subsidiary of  
Hyundai Motor Company (Korea)

5075 Venture Drive  
Ann Arbor, MI 48108

Tel: (734) 747-6600  
Fax: (734) 747-6699

March 7, 2003

Mr. Kenneth Weinstein  
Associate Administrator for Safety Assurance  
National Highway Traffic Safety Administration  
400 Seventh Street, S.W.  
Washington, D.C. 20590

RE: Recall Number 03V-030 (reference previous recall 01V-388) Defect Information Report (additional information) (Hyundai Campaign 049)

Dear Mr. Weinstein:

Hyundai Motor Company previously submitted a Defect Information Report to NHTSA regarding a recall campaign to replace the Crankshaft Position Sensors installed in model year 2001 and 2002 Hyundai Santa Fe vehicles equipped with 2.7 liter V-6 engines produced beginning March 31, 2000 through August 14, 2001 (NHTSA Recall Number 03V-030) pursuant to Part 573 of Title 49 of the Code of Federal Regulations.

The owner notification for this recall will occur and be completed in one mailing on March 10, 2003. Hyundai will submit six quarterly reports for 03V-030 beginning with April 2003 and including all affected vehicles from the previous recall 01V-388 as well as the vehicles added for 03V-030.

Enclosed for NHTSA's files are final copies of the Technical Service Bulletin, owner notification letter and additional dealer notification letters.

Sincerely,



Robert Babcock  
Manager, Corporate Affairs

Attachments: 4

RECEIVED  
MAR 11 2003  
NHTSA

# HYUNDAI

Hyundai Motor America  
10560 Talbert Avenue  
P.O. Box 20850  
Fountain Valley, CA 92728-0850  
Telephone 714 965-3000

March 10, 2003

**TO: ALL HYUNDAI DEALER PRINCIPALS:  
ALL HYUNDAI SERVICE MANAGERS:  
ALL HYUNDAI PARTS MANAGERS:**

**REFERENCE: Campaign 049, Santa Fe V6 Crankshaft Position (CKP) Sensor  
Inspection/Replacement - Expanded Vehicle Production Range**

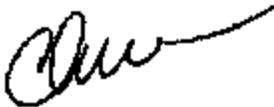
Hyundai Motor America, in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act, has expanded the population of vehicles involved in Campaign 049. 2001 Santa Fe V6 vehicles manufactured beginning March 31, 2001 through August 14, 2001 are now included in the campaign. Consumers with vehicles manufactured from March 31, 2000 through February 28, 2001 were previously notified by mail in March 2002. Customers with vehicles manufactured from March 1, 2001 through August 14, 2001 are now also being asked by mail to take their vehicles to their servicing Hyundai dealer to have the campaign completed.

Enclosed with the Service Manager's letter are materials developed for your use: (5) copies of the Technical Service Bulletin containing instructions on performing the repair and submitting the campaign claim, a copy of the Customer Notification Letter, and a VIN listing of your retail customers affected by this campaign.

Customer notification letters for vehicles manufactured from March 1, 2001 through August 14, 2001 will be sent on March 10, 2003.

Hyundai appreciates your cooperation in properly completing this campaign. Questions may be directed to your District Parts and Service Manager.

Sincerely,



**Chuck Halper  
Vice President of Service**

Enclosures:

# HYUNDAI

Hyundai Motor America  
10550 Talbert Avenue  
P.O. Box 20850  
Fountain Valley, CA 92728-0850  
Telephone 714 965-3000

## MOTOR VEHICLE RECALL

Dear 2001 or 2002 Santa Fe Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Federal law requires that any vehicle lessor receiving this recall notice must forward a copy of this notice to the lessee within ten days.

Hyundai has decided that a defect, which relates to motor vehicle safety, exists in certain 2001 and 2002 model year Santa Fe vehicles equipped with 2.7 liter V-6 engines produced during the period beginning March 31, 2000 through August 14, 2001.

### What is the problem?

- Improperly manufactured Crankshaft Position Sensors (CKP) were installed in some Santa Fe vehicles equipped with 2.7 liter V-6 engines produced during the period beginning March 31, 2000 through August 14, 2001. The CKP cases were improperly manufactured and did not meet dimensional specifications. Internal gaps within the cases allowed epoxy to contact the printed circuit board, which resulted in cracking of the printed circuit board capacitor. A damaged Crankshaft Position Sensor capacitor may result in engine stalling, increasing the risk of a crash without warning.

### What will Hyundai do?

- To ensure that your vehicle does not stall as a result of an improperly manufactured CKP, we are asking you to schedule an appointment as soon as possible to take your vehicle to your Hyundai dealer. The Hyundai dealer will inspect and, if necessary, replace the Crankshaft Position Sensor at no charge to you. You should plan to leave your vehicle at your Hyundai dealer for a half day to have this service performed.

### What should you do?

- We urge you to call your Hyundai dealer to schedule an appointment to have this work performed as soon as possible.

### What if you have other questions?

- If you have any difficulty having this repair performed, we recommend that you call the Hyundai Customer Assistance Center at 1-800-633-5151. If you are still not satisfied that we have remedied this situation without charge, and within a reasonable amount of time, you may wish to write to the Administrator, National Highway Traffic Safety Administration, 400 Seventh Street, S. W., Washington, D.C. 20590 or call their toll-free Auto Safety Hotline at 1-888-327-4236.

We urge your prompt attention to this important safety matter.

Hyundai Motor America

//ALL HMAHST?? 03/7/03 03/10/03 03/11/03  
TO: All Hyundai Dealership Service Managers  
FROM: Chuck Halper - Vice President, Service  
SUBJECT: Campaign 049 - Customer Notification - 2001 Santa Fe V6  
Crankshaft Position (CKP) Sensor Inspection/Replacement - Expanded  
Production Range

Hyundai Motor America has expanded the population of vehicles involved in Campaign 049 - 2001 Santa Fe V6 Crankshaft Position (CKP) Sensor Inspection/Replacement. Campaign 049 has been modified by including additional vehicles produced from March 1, 2001 through August 14, 2001. Therefore, Campaign 049 now includes vehicles manufactured from March 31, 2000 through August 14, 2001. Details on this campaign are indicated below:

Improperly manufactured Crankshaft Position Sensors (CKP) were installed in some Santa Fe vehicles equipped with 2.7 liter V-6 engines produced during the period beginning March 31, 2000 through August 14, 2001. Improper internal gaps within the CKP case may allow epoxy to contact the printed circuit board, which results in cracking of the printed circuit board capacitor. A damaged Crankshaft Position Sensor capacitor may result in engine stalling.

On March 10, 2003, a letter will be sent to all Dealer Principals, Dealership Service Managers and Dealership Parts Managers. Enclosed with the Service Manager's letter will be five (5) Technical Service Bulletins, a copy of the Customer Notification Letter, and a VIN listing of both dealer in-stock vehicles (if any) and retail customers affected by this campaign.

On March 10, 2003, customer notification letters will be mailed to all affected customers.

It is IMPORTANT TO SUBMIT A CAMPAIGN CLAIM FOR EACH VEHICLE REPAIRED so your dealership can be compensated for your work and so Hyundai can maintain accurate records of campaign completion rates.

If you have any questions, please contact your District Parts and Service Manager.

//END



# HYUNDAI Technical Service Bulletin

Group	CAMPAIGN
Number	03-01-001
Date	MARCH, 2003
Model	2001 SANTA FE V6

**Subject**  
**2001 SANTA FE V6 CRANKSHAFT POSITION (CKP) SENSOR INSPECTION/REPLACEMENT CAMPAIGN 049**

*This TSB supersedes TSB #02-01-002 to update affected vehicle production date information.*

*This TSB also describes a second configuration of the NEW part. There are two possible configurations of the NEW part. See the pictures below for details.*

**DESCRIPTION:**

Some 2001 SANTA FE vehicles with 2.7L V6 engines require replacement of the Crankshaft Position (CKP) Sensor.

Inspect and, if required, replace the CKP Sensor with the following service procedure.



**VEHICLES AFFECTED:**

- Model: 2001 SANTA FE vehicles with 2.7L V6 engines
- Affected vehicle production date range: Produced from job 1 through August 14, 2001

**PART REQUIRED:**

PART NAME	PART NUMBER	
	PREVIOUS	NEW
Crankshaft Position Sensor (CKP)	 39180-37200	 39180-37150
		OR
		 39180-37150



# HYUNDAI Technical Service Bulletin

Group	CAMPAIGN
Number	03-01-001

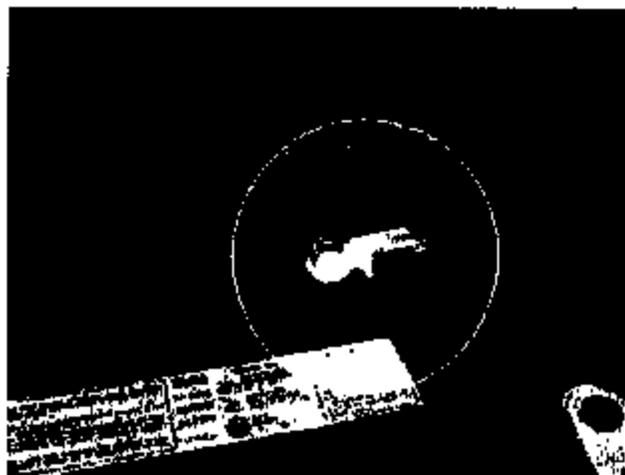
## SERVICE PROCEDURE:

**NOTE:** Verify that the vehicle is affected by identifying the vehicle production date.

1. Write down the radio preset stations.

	1	2	3	4	5	6
FM1						
FM2						
AM						

2. Disconnect the battery negative cable.



3. Lift up the vehicle. Remove the front skid plate (12mm socket).



4. Inspect the CKP Sensor.

IF: The wiring of the CKP sensor comes out straight from the top of the sensor (as shown in the picture to the right) AND DOES NOT have a 90 degree plastic "knob" at the top of the sensor, then **REPLACE** the sensor, following the instructions below.

IF: The wiring of the CKP sensor comes out at a 90 degree angle from the top of the sensor (as shown in the picture), **do not replace** the sensor. Reinstall the front skid plate and the campaign is completed.

IF: The wiring of the CKP sensor comes out straight from the top of the sensor (as shown in the picture to the right) AND has a 90 degree plastic "knob" at the top of the sensor, then **do not replace** the sensor. Reinstall the front skid plate and the campaign is completed.

REPLACE



39180-37200

DO NOT REPLACE



39180-37150

DO NOT REPLACE



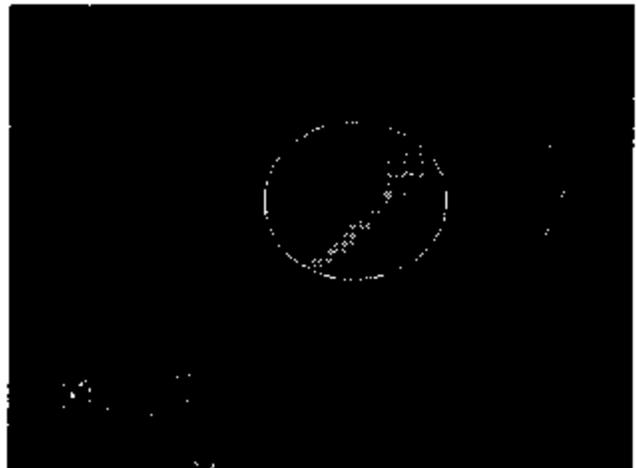
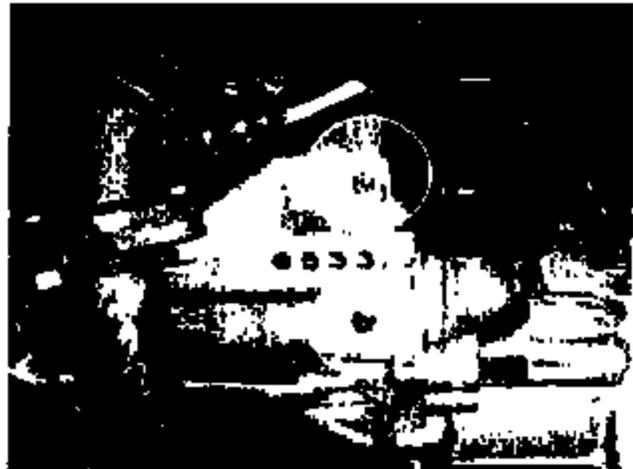


# HYUNDAI Technical Service Bulletin

Group	CAMPAIGN
Number	03-01-001

5. Remove the starter heat shield (10mm socket).

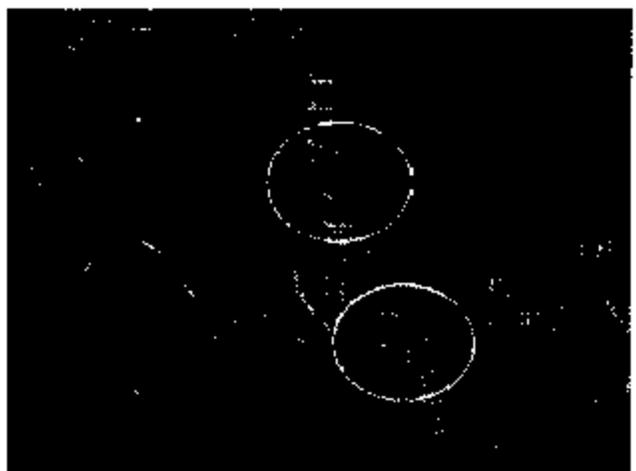
Two bolts and one nut.



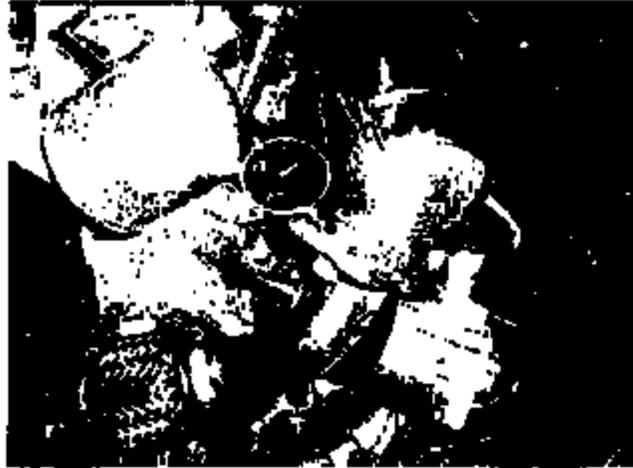
6. Remove the starter mounting bolt and nut (14mm socket).

Do not disconnect the starter wiring.

Remove the starter from the mounting area and push it aside to gain better access to the CKP sensor.



7. Remove the CKP mounting bolt (10mm socket).



8. Disconnect the CKP sensor connector and replace the CKP sensor with the new part.



9. Reinstall all removed components in reverse order and lower the vehicle.
10. Reconnect the battery negative cable and reset all radio preset stations and the clock.
11. Start the engine to check for proper operation.

**CAMPAIGN CLAIM INFORMATION:**

OP CODE	OPERATION	OP TIME
11B06310	Crankshaft Position Sensor (CKP) Inspection	0.2 M/H
11B063R0	Crankshaft Position Sensor (CKP) Inspection and Replacement	0.3 M/H

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