## PE08029/HYUNDAI-KIA EF LOWER A ARM SEPARATION 01

### HYUNDAI

### **QUALITY INFORMATION REPORT**

#### CONFIDENTIAL

Model Code	Subject Code				HMA Report Number			
EF	CHASSIS							
Creation date/time/user:	Analyst:			Co-analyst(s):		Modified date/time/user:		
12/06/06 08:11:34 AM by Randy Craley	RANDY CRALEY							
Distributor*	Country*		*		Date	HMC Repo	rt Number	Attachments
HMA		USA			12/06/06			
Model*	Engine or Transmission Number*				Production	Date*	x Photo	
SONATA	G6BVX039963				06/02/99			
Vehicle Identification Number*		Mileage*		Delivery Date*		x Part		
KMHWF35V2XA		74507		08/10/99				
Subject*				Other				
[A] 1999 SONATA RIGHT F - DURABILITY ISSUE - HM		OWER A	RM SEPARA	TIC	ON FROM CRO	DSSMEMBE	R ASSEMBLY	

#### 1. Condition:

- Customer states right front lower arm assembly separated from crossmember assembly.

#### 2. Analysis:

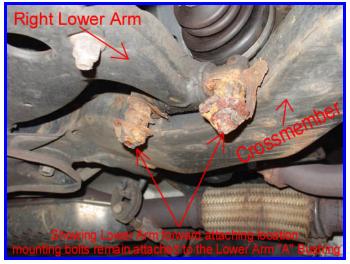
- Inspection of the crossmember assembly P/N (62405-38101) revealed the area around the right side lower arm assembly forward attaching location was corroded.

- Right front lower arm was separated from the crossmember assembly at the forward mount attaching location.

- Found right front lower arm forward mount bushing bolts remain attached to the arm.

- Root cause of the right front lower arm P/N (54501-38010) forward attaching location separating from the crossmember assembly appears to be as a result of corrosion to the crossmember assembly. See attached photographs.





- Right Drive Shaft separated from the Center Bearing and Shaft Assembly as a result of the Lower Arm forward attaching location separating from the Crossmember Assembly. See attached photograph below.



ADDITIONAL VEHICLES WITH SIMILAR CONDITION					
VIN	Production Date	Mileage	Condition		
* KMHWF35V2XA	6/02/99	74,507			
KMHWF35V5XA	10/13/98	106,000	Right front Lower Arm separated from the		
KMHWF25S1XA	11/02/98	66,145	Crossmember Assembly at the forward		
KMHWF25V5XA	2/24/99	94,982	mount attaching location.		
KMHWF35VXXA	12/29/98	92,395			

\* Incident vehicle Crossmember Assembly and Lower Arm Assembly will be forwarded to HMA

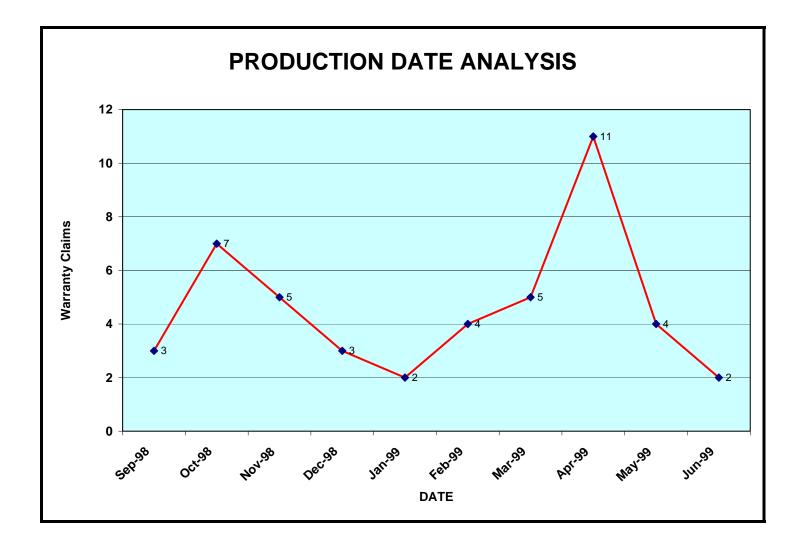


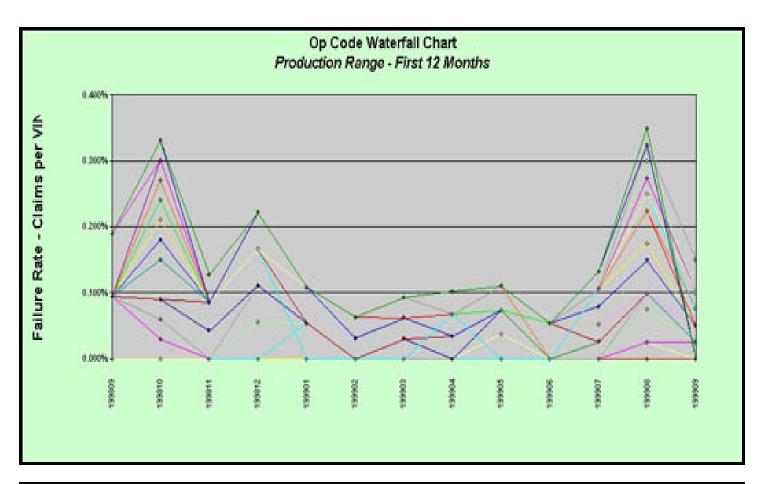


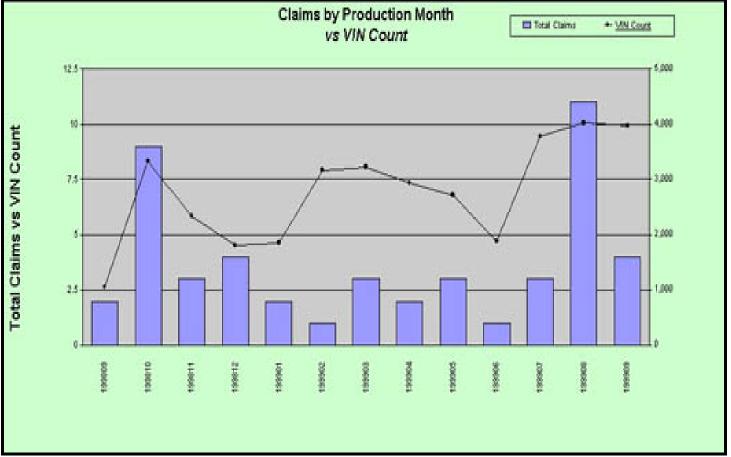
- Current warranty / goodwill data does not include current incident vehicles. Data may not accurately quantify condition.

WARRANTY / GOODWILL CLAIM DATA ANALYSIS			
Labor Operation (62410R00) 1999 EF Sonata			
Total Number of Claims With Parts	46 46		
Total Cost	\$ 69,355		
Average Cost Per Claim	\$ 1,508		
Nature Codes:	%		
N29 (Abnormal Noise)	46		
N56 (Rust, Corrosion)	11		
Cause Codes:	%		
C06 (Broken, Split, Torn)	20		
C05 (Rusty, Corroded)	41		
Mileage Range:	%		
0 – 25	0		
26 - 6,000	0		
6,001 – 12,000	0		
12,001 - 18,000	0		
18,001 - 24,000	4		
24,001 - 30,000	9		
30,001 – 36,000	0		
36,001 - 48,000	11		
48,000 – Over	76		

In Service:	%
0 - (PDS)	0
1 – 90	0
91 – 180	0
181 - 270	0
271 – 365	0
366 - 730	0
731 – 1,096	0
1,097 – Over	100
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- Crossmember Assembly Part Number Identification by vehicle production date:
  62405-38100 for vehicle produced from 9/14/98 4/14/99.
  62405-38101 for vehicle produced from 4/14/99 8/14/00.
- 3. Corrective Action:

- Replace crossmember assembly P/N (62405-38101) and Right Front Lower Control Arm P/N (54501-38010).

#### 4. Recommendation:

- HMC should investigate the Front Suspension Crossmember Assembly corrosion condition resulting in the Right Front Lower Control Arm separation.

- Customers who experience this condition may perceive an image of poor quality and durability.

5. Attachments:

# PE08029/HYUNDAI-KIA QAEF-C 061201



- Customer states right front lower arm assembly separated from crossmember assembly.

Analysis:

Date: 12/08/2006

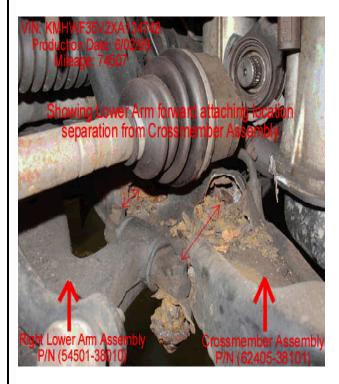
Report Number :

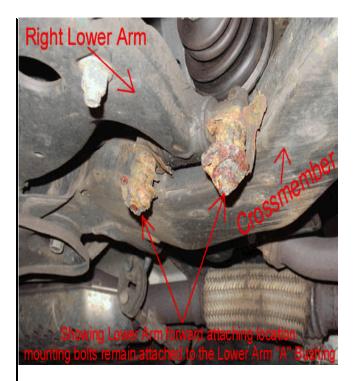
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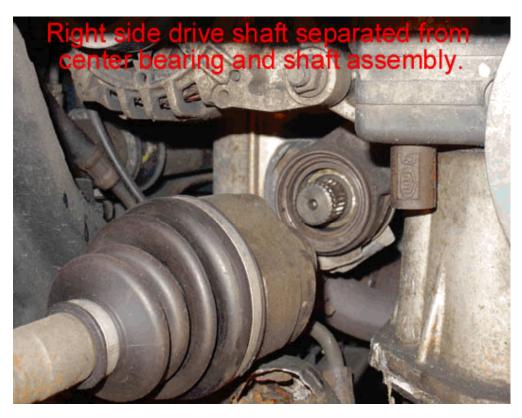
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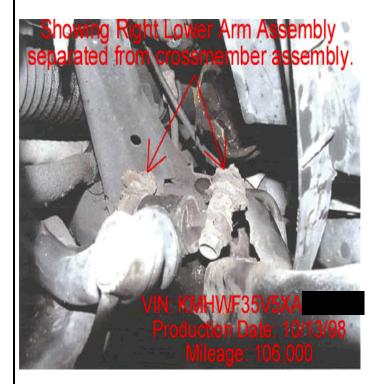


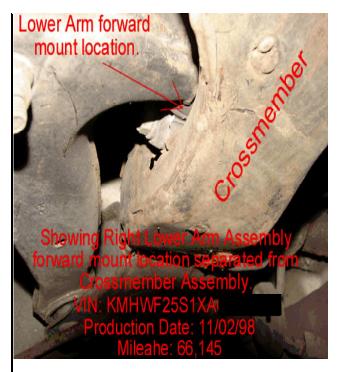


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Cause Codes: C06 (Broken, Split, Torn) C05 (Rusty, Corroded)	% 20 41			
Mileage Range: 0 – 25 26 – 6,000 6,001 – 12,000	% 0 0 0			
$\begin{array}{r} 12,001-18,000\\ 18,001-24,000\\ 24,001-30,000\end{array}$	0 4 9			
30,001 – 36,000	0			

36,001 – 48,000 48,000 – Over	11 76
In Service:	%
<b>0</b> – ( <b>PDS</b> )	0
1 – 90	0
91 – 180	0
181 - 270	0
271 - 365	0
366 - 730	0
731 – 1,096	0
<b>1,097 – Over</b>	100

Corrective Action:

Date: 12/08/2006

Report Number :

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Comments and Recommendations:

Date: 12/08/2006

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