

**PE06-042**  
**HYUNDAI**  
**12/1/2006**  
**ATTACHMENT 1,**  
**2, 3, & 4**

**PE06-042**  
**HYUNDAI**  
**12/1/2006**  
**ATTACHMENT 1**

THE CONSUMER AFFAIR FILES, FIELD  
REPORTS & TECHNICAL ASSISTANCE  
CASE CENTER REPORTS ARE  
CONTAINED IN THE TWO REDWELLS  
SUBMITTED WITH THIS RESPONSE

**PE06-042**  
**HYUNDAI**  
**12/1/2006**  
**ATTACHMENT 2**

**NC Code List**


**Nature Code (Depicts Nature of Defect)**

Code	DESCRIPTION	Code	DESCRIPTION
N01	HARD STARTING	N43	SLIP&SHOCK WHEN UP-SHIFTING
N02	ROUGH IDLING	N44	IMPOSSIBLE FOURTH DRIVE
N03	SURGE, STUMBLE, HESITATE	N45	SHIFTS TOO LATE AND SHOCK AT N→D SHIFTING
N04	EXCESSIVE KNOCKING	N46	SHIFTS TOO LATE AND SHOCK AT N→R SHIFTING
N05	CHOKE MALFUNCTION	N47	SHIFTS TOO LATE AND DOUBLE SHOCK AT N→R SHIFTING
N06	ENGINE STALLING	N48	IMPOSSIBLE FORWARD AND BACKWARD DRIVING
N07	EXCESSIVE FUEL CONSUMPTION (EXCEPT FUEL LEAK)	N49	IMPOSSIBLE INTERMITTENT FRONT SHIFT & RE-DRIVING
N08	EXCESSIVE OIL CONSUMPTION (EXCEPT OIL LEAK)	N50	DETERIORATION
N09	OVERHEATING	N51	IMPROPER OPENING & CLOSING
N10	ENGINE RUN-ON	N52	DIRTY, STAIN
N11	ABNORMAL TEMPERATURE	N53	COLOR MISMATCH
N12	OVERFLOWING	N54	POOR PAINTING, PLATING
N13	POOR ACCELERATION	N56	RUST, CORROSION
N14	ABNORMAL COMBUSTION	N58	DISTORTED BLURRED
N15	POOR ENGINE POWER	N59	BROKEN, CRACK
N16	PERCOLATION	N61	DEAD BATTERY
N17	IMPROPER EXHAUST GAS	N63	INACCURATE (METER)
N18	BACK-FIRE, AFTER-FIRE	N64	POOR SOUND (HORN, RADIO)
N19	DELAYED STARTING	N66	ELECTRIC MALFUNCTION
N21	SHUDDERING, VIBRATION	N68	BLOWN FUSE
N22	SLIPPING	N69	WARNING LIGHTS ON
N23	FAILS TO DISENGAGE	N70	WHINING NOISE FROM TRANSMISSION
N24	JUMPING-OUT	N71	IMPOSSIBLE FORWARD DRIVING
N25	IMPROPER SYNCHRONIZING	N72	IMPOSSIBLE BACKWARD DRIVING
N26	ABONRMAL SHIFT	N73	AUTOMATIC TRANSMISSION EXCESSIVE SHIFT SHOCK
N27	IMPOSSIBLE SHIFT (3rd HOLD)	N74	AUTOMATIC TRANSMISSION EXCESSIVE SHIFT DELAY
N29	ABNORMAL NOISE (RATTLE, SQUEALING, WHINE, CRASH, DRONE)	N82	WIND NOISE
N30	DRAGGING	N83	POOR RECOVERY
N31	PULLS	N86	FALLING OFF, SAGGED
N32	SPONGY PEDAL	N87	OIL LEAK, ENTERING
N33	UNSTABLE STEERING	N88	WATER LEAK, ENTERING
N34	EXCESSIVE SHOCK	N89	LEAKS-OTHER (AIR, FUEL, GAS, VACUUM)
N35	IMPROPER GAP, CLEARANCE	N90	INTERIOR WATER LEAKING (BODY / TRIM)
N38	UNUSUAL TIRE WEAR	N92	GRABS
N41	SLIP AND SHOCK WHEN STARTING	N93	INTERFERENCE
N42	SHOCK AT KICK-DOWN	N94	INOPERATIVE
		N95	HIGH EFFORT
		N96	POOR MANEUVERABILITY
		N99	OTHERS (RESTRICTED FOR CLAIM TYPE 'R')

**Cause Code (Depicts Cause of Defect)**

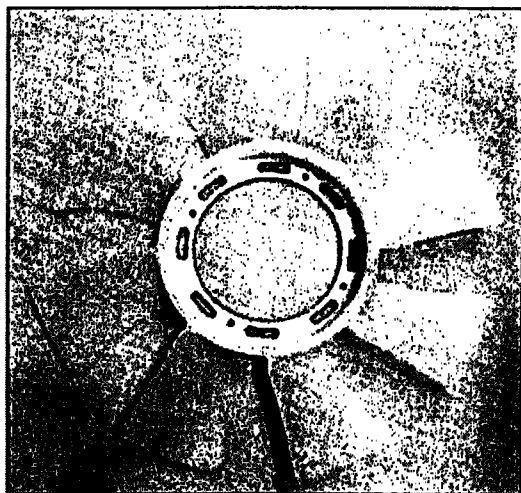
Code	DESCRIPTION	Code	DESCRIPTION
C01	BURNT, MELTED	C23	IMPROPER MACHINING
C02	FROZEN (ICING)	C24	IMPROPER CLEARANCE
C03	SCARRED	C26	LACK OF LUBRICANT
C04	PEELING, COME-OFF	C28	IMPROPER WELDING
C05	RUSTY, CORRODED	C29	IMPROPER TIGHTENING
C06	BROKEN, SPLIT, TORN	C31	STICKING, SEIZED
C07	CRACKED	C32	FOREIGN MATERIAL, CLOGGED
C08	POROUS, PINHOLES	C37	DISCOLORATION, STAIN
C09	DEFORMED (BENT, TWISTED etc.)	C38	IMPROPER SEALING
C10	WEAKENED	C40	IMPROPER ADJUSTMENT
C11	ABNORMAL WEAR	C48	VACUUM LEAK
C12	OUT OF BALANCE	C61	INCORRECT PART
C15	POOR CONTACT (OPEN, SHORT)	C62	MISSING PART
C16	WHEEL ALIGNMENT IMPROPER ADJUST	C63	FLAW IN MATERIAL
C17	TIRE ROTATION	C88	WATER ENTERING
C18	TIRE IMPROPER STRUCTURE	C90	LOOSED FITTING
C19	VAPOR-LOCK	C98	NORMALITY
C20	POOR INSULATION	C99	OTHERS (RESTRICTED FOR CLAIM TYPE 'R')
C22	INCORRECT TIRE PRESSURE		

**PE06-042**  
**HYUNDAI**  
**12/1/2006**  
**ATTACHMENT 3**

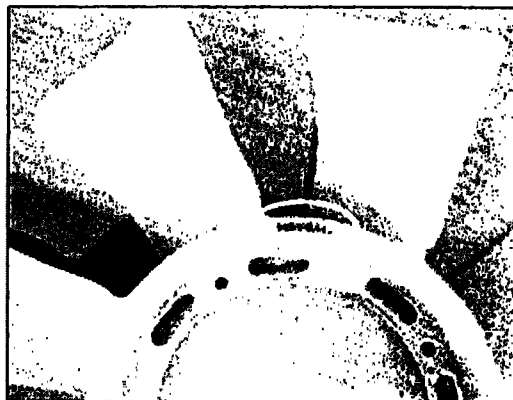
 <b>KIA MOTORS</b>	<h1>Technical Service Bulletin</h1>	<b>Model</b> Sportage [AL]
		<b>Group</b> Engine Mechanical System(12)
		<b>Number</b> KT2005022509
<b>Subject</b> Sportage Cooling Fan Replacement (Engine - 014)	<b>Date</b> Saturday, November 01, 2003	
	<b>Area</b> N. America	

**- Description**

This bulletin provides information related to replacing fractured cooling fan blades on 2002 Sportage vehicles with production dates from 4/12/01 through 12/16/02. The design and the material of the cooling fan blade have been modified to improve durability under severe or abnormal conditions.



**New Fan**



**Part Number Location**

**- Effective Vehicle Information**

**AFFECTED PRODUCTION RANGE:**

2002 Sportage vehicles with production dates from 4/12/01 through 12/16/02.

**- Parts Information**

**PART NUMBER INFORMATION:**

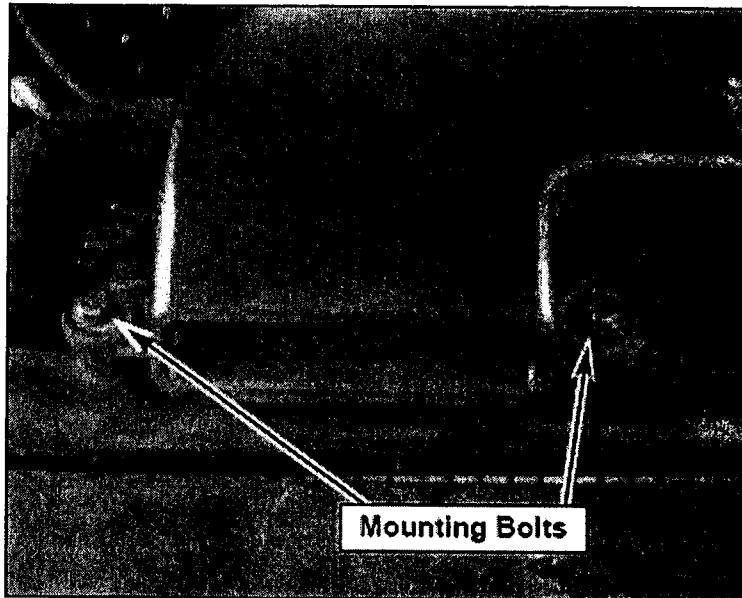
Description	Previous P/N	New P/N
Cooling Fan	OK038 15 140A	OK038 15 142

**- Service Procedure**

**INSPECTION PROCEDURE:**

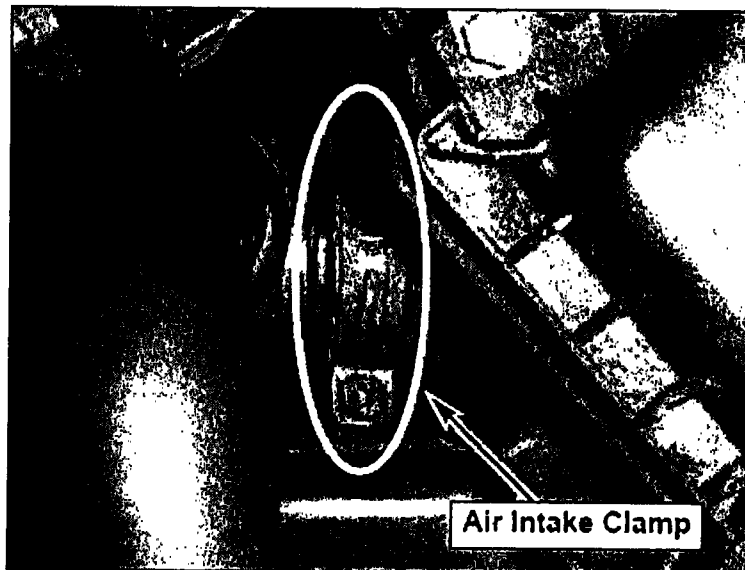
Check the vehicle production date. If the vehicle's production date is from 4/12/01 through 12/16/02, and if the cooling fan blade shows any sign of deterioration or fracture, then replace the cooling fan blade.

**Note:** The new cooling fan looks identical to the old unit. The only difference is the new P/N (OK038 15 142) which is molded into the new fan.



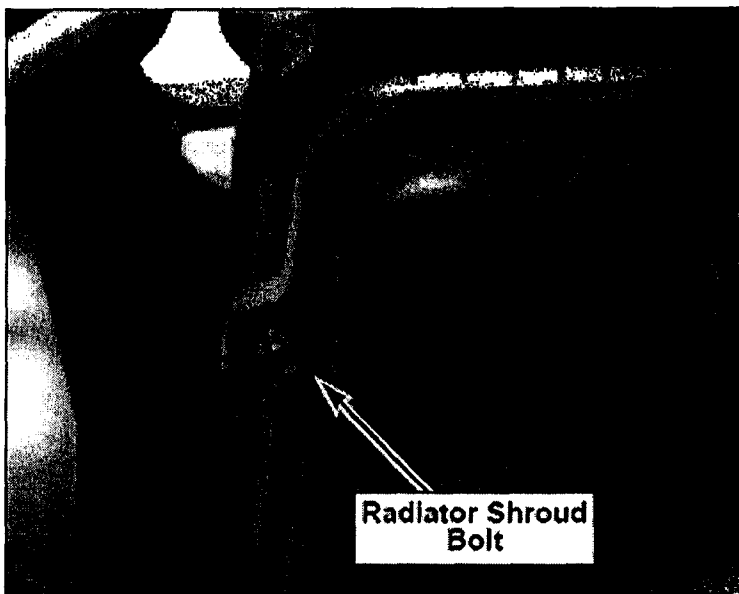
**REPAIR PROCEDURE:**

1. Remove the two bolts and the clamp from the air intake assembly.
2. Remove the air intake assembly.



3. Remove the four bolts from the radiator shroud.





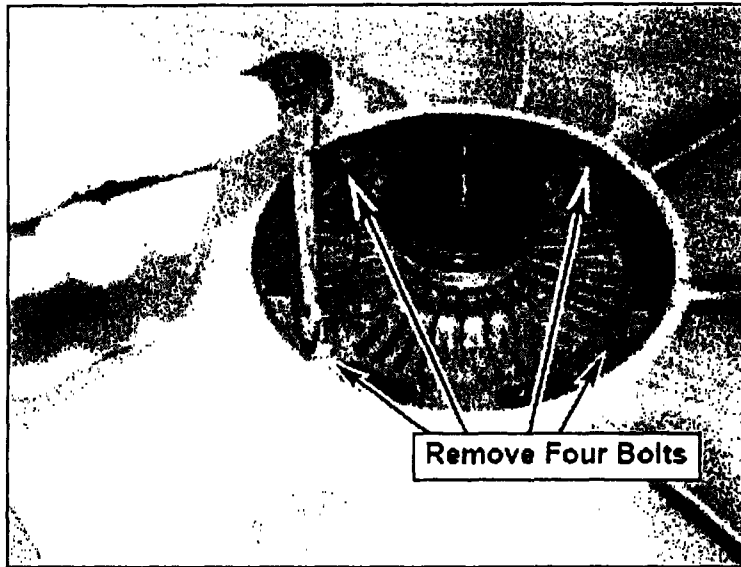
4. Remove the four nuts from the cooling fan assembly to pulley mount.
5. With the radiator shroud loose, remove the cooling fan assembly being careful not to damage the radiator fins.



6. On the work bench, remove the four bolts that secure the cooling fan to the clutch.
7. Transfer the clutch to the new cooling fan.

**Torque specification:**

**78-104 lb-in (8.8-11.7 N-m)**



8. Reinstall the new cooling fan with clutch to the pulley and secure with four nuts.

**Torque specification:**

**68-100 lb-in (7.7-11.4 N-m)**

9. Reattach the fan shroud with the four bolts.
10. Reinstall the air intake assembly with the two bolts and one clamp.

**WARRANTY CLAIM INFORMATION:**

Claim Type	Causal P/N	Qty.	Cond. Code	Cause Code	Repair Description	Labor OP Code	Time	Related Parts	Qty.
W	0K038 15 140A	0	N59	C06	Replace Cooling Fan	25231R00	0.4	0K038 15 142	1

**- Service Tip**

**- Interchangeability**

# Parts Bulletin

No: 1500-0002 Revised

Section: 1500

Model: Sportage 2002 MY

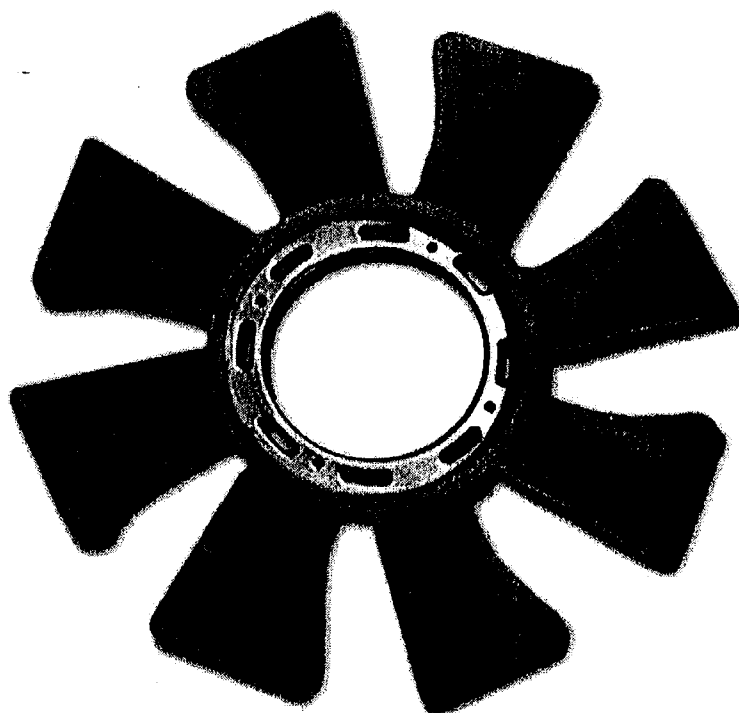
Catalog/Fiche Page: Orange 52/1-B8

Date: December, 2003

P/N Refer: 0K038 15 142

## Sportage 2002 MY Cooling Fan Replacement--REVISED

This Bulletin provides information related to Cooling Fan Blades on Sportage models produced between April 12, 2001 and December 16, 2002, in conjunction with TSB, Engine 14. Some Fan Blades may have deteriorated and/or fractured, requiring replacement (see TSB, Engine 14 for inspection instructions). To improve the durability of the part, the material and design of the cooling fan blade has been improved.



Sportage Cooling Fan Blade, P/N 0K038 15 142

The original version of this Parts Bulletin (issued August, 2003) provided parts information only for the Cooling Fan Assembly, which includes both the Fan Blade and Clutch. The Fan Blade is now available separately as **P/N 0K038 15 142**.

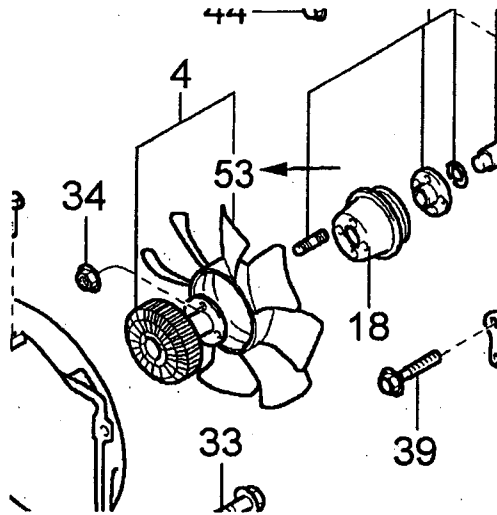
Previous Cooling Fan Assemblies	New Cooling Fan Assembly	New Fan Blade
0K038 15 140* 0K038 15 140A*	0K048 15 140A (Includes Fan Blade and Clutch)	0K038 15 142 (Fan Blade only)

\*Please return all stock P/Ns 0K038 15 140 and 0K038 15 140A to your facing PDC for credit.

Please update your Orange Sportage Parts Catalog as follows:

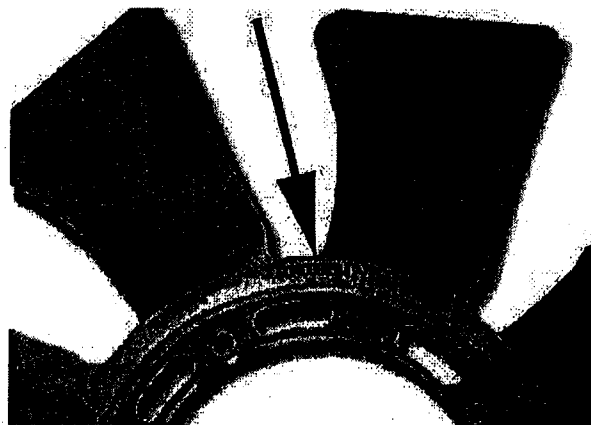
Corrected Section 1500 COOLING SYSTEM of the Orange Sportage Catalog:

NO FROM-TO	PART NAME DESCRIPTION	I T C	PART NO	Q' ty	REMARKS
53	FAN BLADE		0K038 15 142	1	



Close up of the Orange Sportage Parts Catalog, Section 1500. Note the addition of Key 53.

Fan Blade Assemblies P/N 0K048 15 140A and 0K038 15 142 appear identical. To verify the part number, inspect the Fan Blade for the part number as shown below:



Close-Up view of Sportage Fan Blade P/N 0K038 15 142. Note the location of the P/N.

If you have any questions, please contact the Parts Hotline at 1-800-542-5611. This and all other Parts Bulletins can be found on [www.kdealer.net](http://www.kdealer.net)

# Parts Bulletin

No: 1500-0002

Model: Sportage 2002 MY

Date: August, 2003

Section: 1500

Catalog/Fiche Page: Burgundy 62/1-E5

P/N Refer: 0K048 15 140A

## Sportage 2002 MY Cooling Fan Replacement

Sportage models produced after June 21, 2001, may experience cracked or broken fan blades. In order to improve the durability of the part, the material and design of the cooling fan blade has been improved.



**Left: Arrows point at cracks in the blade. Right: Blade fins have broken off.**

If individual fins of the blade have broken off the cooling fan clutch assembly (as pictured above, right), inspect nearby components for damage.

<b>Previous Cooling Fan Assemblies</b>	<b>New Cooling Fan Assembly</b>
0K038 15 140* 0K038 15 140A*	0K048 15 140A (includes fan blade and clutch)

\*P/Ns 0K038 15 140 and 0K038 15 140A are no longer valid. Please return all stock to your facing PDC for credit.

If you have any questions, please contact the Parts Hotline at 1-800-542-5611. This and all other Parts Bulletins can be found on [www.kdealer.net](http://www.kdealer.net)

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**ATTACHMENT 4**

<b>Part Number</b>	<b>Part Description</b>	<b>Month/Year</b>	<b>Qty Sold</b>
OK038 15140	FAN ASSY-COOLING	200111	4
OK038 15140	FAN ASSY-COOLING	200112	3
OK038 15140	FAN ASSY-COOLING	200201	3
OK038 15140	FAN ASSY-COOLING	200202	3
OK038 15140	FAN ASSY-COOLING	200203	5
OK038 15140	FAN ASSY-COOLING	200204	8
OK038 15140	FAN ASSY-COOLING	200205	11
OK038 15140	FAN ASSY-COOLING	200206	16
OK038 15140	FAN ASSY-COOLING	200207	30
OK038 15140	FAN ASSY-COOLING	200208	38
OK038 15140	FAN ASSY-COOLING	200209	50
OK038 15140	FAN ASSY-COOLING	200210	54
OK038 15140	FAN ASSY-COOLING	200211	21
OK038 15140	FAN ASSY-COOLING	200212	30
OK038 15140	FAN ASSY-COOLING	200301	69
OK038 15140	FAN ASSY-COOLING	200302	37
OK038 15140	FAN ASSY-COOLING	200303	35
OK038 15140	FAN ASSY-COOLING	200304	14
OK038 15140	FAN ASSY-COOLING	200305	3
OK038 15140	FAN ASSY-COOLING	200306	8
OK038 15140	FAN ASSY-COOLING	200309	1
OK038 15140	FAN ASSY-COOLING	200410	1
<b>Total Sold for Part Number OK038 15140</b>			<b>444</b>

<b>Part Number</b>	<b>Part Description</b>	<b>Month/Year</b>	<b>Qty Sold</b>
OK038 15140A	FAN ASSY-COOLING	200303	2
OK038 15140A	FAN ASSY-COOLING	200304	34
OK038 15140A	FAN ASSY-COOLING	200305	71
OK038 15140A	FAN ASSY-COOLING	200306	124
OK038 15140A	FAN ASSY-COOLING	200307	159
OK038 15140A	FAN ASSY-COOLING	200309	5
<b>Total Sold for Part Number OK038 15140A</b>			<b>395</b>



Part Number	Part Description	Month/Year	Qty Sold
0K048 15140A	FAN ASSY-COOLING	200308	576
0K048 15140A	FAN ASSY-COOLING	200309	704
0K048 15140A	FAN ASSY-COOLING	200310	301
0K048 15140A	FAN ASSY-COOLING	200311	208
0K048 15140A	FAN ASSY-COOLING	200312	303
0K048 15140A	FAN ASSY-COOLING	200401	163
0K048 15140A	FAN ASSY-COOLING	200402	164
0K048 15140A	FAN ASSY-COOLING	200403	238
0K048 15140A	FAN ASSY-COOLING	200404	238
0K048 15140A	FAN ASSY-COOLING	200405	266
0K048 15140A	FAN ASSY-COOLING	200406	475
0K048 15140A	FAN ASSY-COOLING	200407	716
0K048 15140A	FAN ASSY-COOLING	200408	659
0K048 15140A	FAN ASSY-COOLING	200409	482
0K048 15140A	FAN ASSY-COOLING	200410	330
0K048 15140A	FAN ASSY-COOLING	200411	302
0K048 15140A	FAN ASSY-COOLING	200412	293
0K048 15140A	FAN ASSY-COOLING	200501	316
0K048 15140A	FAN ASSY-COOLING	200502	370
0K048 15140A	FAN ASSY-COOLING	200503	366
0K048 15140A	FAN ASSY-COOLING	200504	303
0K048 15140A	FAN ASSY-COOLING	200505	346
0K048 15140A	FAN ASSY-COOLING	200506	626
0K048 15140A	FAN ASSY-COOLING	200507	741
0K048 15140A	FAN ASSY-COOLING	200508	484
0K048 15140A	FAN ASSY-COOLING	200509	861
0K048 15140A	FAN ASSY-COOLING	200510	477
0K048 15140A	FAN ASSY-COOLING	200511	261
0K048 15140A	FAN ASSY-COOLING	200512	319
0K048 15140A	FAN ASSY-COOLING	200601	589
0K048 15140A	FAN ASSY-COOLING	200602	222
0K048 15140A	FAN ASSY-COOLING	200603	300
0K048 15140A	FAN ASSY-COOLING	200604	343
0K048 15140A	FAN ASSY-COOLING	200605	274
0K048 15140A	FAN ASSY-COOLING	200606	577
0K048 15140A	FAN ASSY-COOLING	200607	451
0K048 15140A	FAN ASSY-COOLING	200608	661
0K048 15140A	FAN ASSY-COOLING	200609	295
0K048 15140A	FAN ASSY-COOLING	200610	185
<b>Total Sold for Part Number 0K048 15140A</b>			<b>15785</b>

Part Number	Part Description	Month/Year	Qty Sold
0K038 15142	FAN BLADE	200309	5
0K038 15142	FAN BLADE	200312	149
0K038 15142	FAN BLADE	200401	136
0K038 15142	FAN BLADE	200402	93
0K038 15142	FAN BLADE	200403	115
0K038 15142	FAN BLADE	200404	82
0K038 15142	FAN BLADE	200405	107
0K038 15142	FAN BLADE	200406	136
0K038 15142	FAN BLADE	200407	174
0K038 15142	FAN BLADE	200408	169
0K038 15142	FAN BLADE	200409	184
0K038 15142	FAN BLADE	200410	1641
0K038 15142	FAN BLADE	200411	123
0K038 15142	FAN BLADE	200412	111
0K038 15142	FAN BLADE	200501	128
0K038 15142	FAN BLADE	200502	143
0K038 15142	FAN BLADE	200503	105
0K038 15142	FAN BLADE	200504	90
0K038 15142	FAN BLADE	200505	85
0K038 15142	FAN BLADE	200506	168
0K038 15142	FAN BLADE	200507	197
0K038 15142	FAN BLADE	200508	206
0K038 15142	FAN BLADE	200509	279
0K038 15142	FAN BLADE	200510	128
0K038 15142	FAN BLADE	200511	129
0K038 15142	FAN BLADE	200512	106
0K038 15142	FAN BLADE	200601	412
0K038 15142	FAN BLADE	200602	103
0K038 15142	FAN BLADE	200603	87
0K038 15142	FAN BLADE	200604	117
0K038 15142	FAN BLADE	200605	77
0K038 15142	FAN BLADE	200606	142
0K038 15142	FAN BLADE	200607	255
0K038 15142	FAN BLADE	200608	669
0K038 15142	FAN BLADE	200609	384
0K038 15142	FAN BLADE	200610	163
<b>Total Sold for Part Number 0K038 15142</b>			<b>7398</b>