

PE10-032

CHRYSLER

10-13-2010,

Enclosure 9 –

Field Communications

GPOP Tech Tip

GPOP - Issue Review System

Part Number: 04721286A\$, 04721287A\$

Part Description: JK diesel fuel tank

Issue JK diesel fuel tank hard to fill.~

Description:

Rather than replace the fuel tank, disconnect the vent line and the recirculation line from the control valve at the fuel tank, drain the lines and reattach. Engineering is actively seeking a solution to the issue, but until then this will temporarily correct the customers concern.

~_____~

Contact Us at CAGRIS@Chrysler.com for feedback related ONLY to this GPOP Tech Tip. DO NOT email regarding repair procedures unrelated to this Tech Tip or part order inquires. Please include the Part Number (s) and Tech Tip Part Description of the Tech Tip you are referencing for our tracking system.

GPOP - Issue Review System

Part Number: 55398507A\$, 55398512A\$, 68025089A\$

Part Description: Fuel Tank

Issue Description: Prior to replacing a fuel tank for a hard to fill with fuel or fuel nozzle shuts of repeatedly complaint, please refer to TSB 14-001-09 Rev. A.

~____~
Contact Us at CAGRIS@Chrysler.com for feedback related ONLY to this GPOP Tech Tip. DO NOT email regarding repair procedures unrelated to this Tech Tip or part order inquires. Please include the Part Number (s) and Tech Tip Part Description of the Tech Tip you are referencing for our tracking system.



NUMBER: 14-001-09 REV. A

GROUP: Fuel

DATE: September 1, 2009

This bulletin is supplied as technical information only and is not an authorization for repair. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without written permission of Chrysler Group LLC.

THIS BULLETIN SUPERSEDES TECHNICAL SERVICE BULLETIN 14-001-09, DATED APRIL 15, 2009, WHICH SHOULD BE REMOVED FROM YOUR FILES. THIS IS A COMPLETE REVISION AND NO ASTERISKS HAVE BEEN USED TO HIGHLIGHT REVISIONS.

SUBJECT:

Hard To Fill With Fuel Or Fuel Nozzle Shuts Off Repeatedly

MODELS:

2004 -2008	(CS)	Pacifica
2009	(DS)	Ram Truck (1500)
2007 - 2009	(DH)	Ram Truck (1500/2500 Pick Up)
2004 - 2009	(DR)	Ram Truck (1500 / 2500 Pick Up)
2005 - 2009	(HB)	Durango
2007 - 2009	(HG)	Aspen
2005 - 2009	(ND)	Dakota
2009	(JC)	Journey
2007 - 2009	(JK)	Wrangler
2007 - 2009	(J1)	Sebring (China CKD)
2007 - 2009	(JS)	Sebring/Sebring Convertible/Avenger
2006 - 2009	(K1)	Cherokee (CKD)
2007 - 2009	(KA)	Nitro
2008 - 2009	(KK)	Liberty
2008 - 2009	(KK)	Cherokee (International Markets)
2005 - 2007	(KJ)	Liberty
2005 - 2007	(KJ)	Cherokee (International Markets)
2005 - 2009	(LE)	300C/300C Touring (International Markets)
2005 - 2009	(LX)	300/Magnum/Charger
2007	(L2)	300 (China)
2008 - 2009	(LC)	Challenger
2004 - 2009	(PT)	Chrysler PT Cruiser



Stick with the Specialists™

2007	(R2)	Caravan/Voyager (CKD)
2005 - 2007	(RG)	Chrysler Voyager (International Markets)
2003 - 2007	(RS)	Town & Country/Caravan/Voyager
2008 - 2009	(RT)	Town & Country/Grand Caravan
2008 - 2009	(RT)	Town & Country/Grand Voyager (International Markets)
2005 - 2006	(TJ)	Wrangler
2005 - 2009	(WH)	Grand Cherokee (International Markets)
2005 - 2009	(WK)	Grand Cherokee
2006 - 2009	(XH)	Commander (International Markets)
2006 - 2009	(XK)	Commander

NOTE: This bulletin applies to all vehicles equipped with a gasoline engine.

DISCUSSION:

Customer may report that the vehicle is hard to fill with fuel or that the fuel pump nozzle shuts off repeatedly while trying to fill vehicle.

This customer complaint can occur due to a number of different causes. The fuel tank is the least likely cause of this condition. The following Diagnostic procedure can be used to diagnose the issues.

DIAGNOSIS:

1. Is the vehicle a LX/LE/LC/L2?
 - a. Yes >> proceed to [Step #2](#)
 - b. No >> proceed to [Step #4](#)
2. Idle the vehicle 60 to 90 seconds upon stopping.
3. Does tank refill properly?
 - a. No >> proceed to [Step #4](#)
 - b. Yes >> Inform the customer to idle the vehicle for 60 to 90 seconds upon stopping if vehicle was driven aggressively. This is due to the fact that on the LX/LE/LC/L2 the fuel tank is a unique saddle tank design and needs 30 to 60 seconds while the engine is running to level the fuel in both half's of the fuel tank. Allowing the vehicle to idle for this amount of time will let the fuel pump transfer fuel to the left side tank, opening the control valve and allowing normal fuel filling.
4. Disconnect the vapor recirculation tube at the fuel tank.
5. Attempt to refill fuel tank.
6. Does tank refill properly?
 - a. Yes >> Proceed to [Step #7](#)
 - b. No>> Proceed to [Step #11](#).
7. Reconnect the vapor recirculation tube at the fuel tank.
8. Disconnect the other end of the vapor recirculation tube at the fuel filler tube.
9. Attempt to refill fuel tank.
10. Does tank refill properly?
 - a. Yes >> Replace fuel filler tube.
 - b. No >> Replace the vapor recirculation tube.
11. Disconnect the control valve to EVAP canister tube at the fuel tank.

12. Reconnect the vapor recirculation tube at the fuel tank.
13. Does tank refill properly?
 - a. No >> Replace Fuel Tank.
 - b. Yes >> Proceed to [Step #14](#).
14. Reconnect the control valve to EVAP canister tube at the fuel tank.
15. Disconnect the control valve to EVAP canister tube at the EVAP canister.
16. Attempt to refill fuel tank.
17. Does tank refill properly?
 - a. Yes >> Blockage is in the EVAP Canister, or ESIM, or Clean air hose (ESIM vent hose), or filter. Diagnose appropriately.
 - b. No >> Replace the control valve to EVAP canister tube.

POLICY:

Information Only

PE10-032

CHRYSLER

10-13-2010,

Enclosure 10B -

Voluntary Submission

2007-2010 Wrangler

ICV Explanation 7-27-

10

2007-2010 MY Jeep Wrangler Fuel Spit Back Assessment

Background:

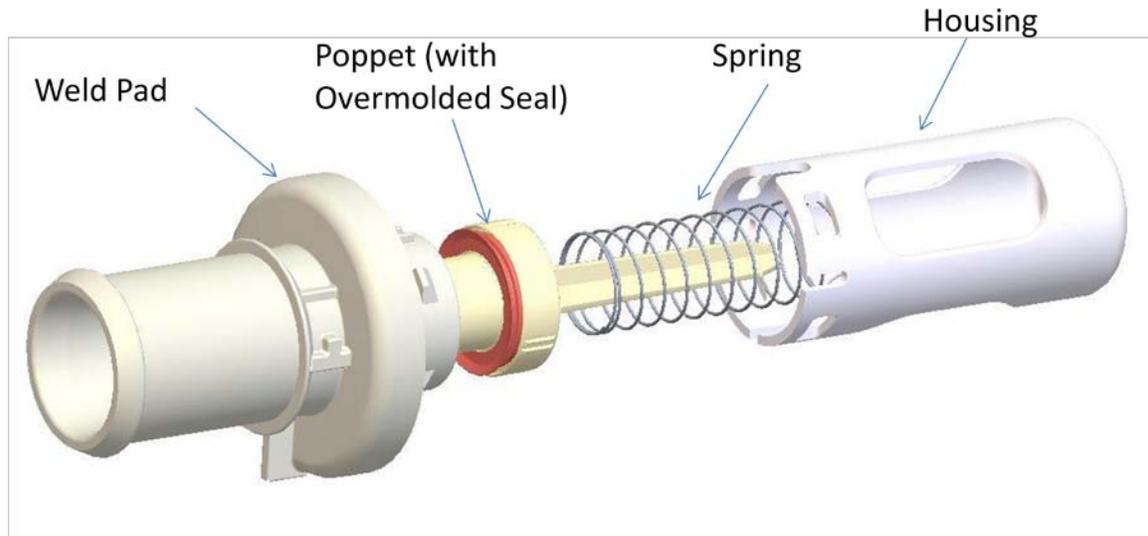
- As a result of various Jeep Forum web site links to NHTSA's web site, NHTSA has experienced an elevated number of VOQ's related to fuel spit back.
- During the 1st quarter of 2010, Chrysler procured a gas tank from an owner who had contacted NHTSA apparently experiencing fuel spit back.
- In Approximately April of 2010 Chrysler completed its assessment of tank assembly and found that there appeared to be a lack of appropriate clearance between the inlet check valve poppet and the housing effecting the movement of the poppet, although root cause of the condition was TBD.
- Chrysler assessed the design of the ICV and found that by design, there was no reason for the binding to take place 'out of the box'.
- Chrysler also assessed the supplier's dimensional data to determine if at any point that they were running outside of specification on either housing or the poppet of the ICV. Chrysler found no data to indicate that the supplier was at any point out of control or out of specification during the molding operations of the two components.
- In July of 2010, Chrysler presented its findings to the NHTSA, including initial incident rates, material swell rate testing results, and continuous improvement action plans. The NHTSA requested that Chrysler provide a summary of this information as well as perform a claim search consistent with HB RQ08-005. The following is the information that has been requested to date:

Rate of Incidence using the Same Criteria as HB RQ08-005:

- Total number of claims = 663 (see attachment)
- Total Number of CAIRS = 73
- Total number of inputs = 736
- Total number of vehicles built from the beginning of 2007 MY through the interim 2010 MY clean point (5/15/10 - supplier; 6/7/10 mfr ass'y plant) = 367,236 vehicles
- Rate of condition: 0.2% or 2.00 c's/1000 vehicles
- Chrysler believes that the number of conditions contained in this search may also be accentuated as a result of a condition which resulted in complaints of 'hard to fill' or 'fuel nozzle shuts off repeatedly'. On 9/1/2009, Chrysler published TSB 1400109 (attached) to address this condition in 2007-2010 MY Wranglers.

Test Data:

- There are two key components of interest that make up the inlet check valve; the poppet and the housing (see picture below).



- Component Materials:
 - The Poppet is made of Nylon , which expands in the presence of a liquid.
 - By design, the Outside Diameter of the poppet can range from 29.34 mm to 29.94 mm (print tolerance: 29.64 mm +/- 0.3)
 - The Housing is made of POM (Acetal), which absorbs very little liquid
 - By design, the Inside Diameter of the Housing can range from 30.25 mm to 30.55 mm (print tolerance: 30.25 mm +0.3/-0)
- Chrysler tested both the poppet and the housing for swelling with a number of fuels, including standard unleaded RFG fuel, E10 (standard fuel), E22, E85, and E100.
- The results of the testing were such that the two materials grew at the following rates:

	<u>Nylon (Poppet)</u>	<u>POM (Housing)</u>
○ In RFG fuel	0.08%	0.28%
○ In E10	1.3%	0.67%
○ In E22	2.4%	0.94%
○ In E50	1.7%	0.92%
○ In E85	1.9%	0.66%
○ In E100	2.2%	0.49%

Assessment:

- Comparing the worst case dimensions with swell, maximum poppet diameter and smallest housing inside diameter yields the following:

Max Poppet OD: $29.64 \pm 0.3 = 29.94$ mm (note: a math error originally reported this dimension as 29.48)

Min Housing ID: $30.25 +0.3/-0.0 = 30.25$ mm

		<u>Swell %</u>	<u>Result</u>	<u>Clearance</u>
RFG	housing	0.28	30.33	
	poppet	0.08	29.96	+.37
TF1 (E10)	housing	0.67	30.45	
	poppet	1.30	30.33	+.12
E22	housing	0.94	30.53	
	poppet	2.40	30.66	-.13
E50	housing	0.92	30.52	
	poppet	1.74	30.46	+.06
E85	housing	0.66	30.45	
	poppet	1.94	30.52	-.07
E100	housing	0.49	30.40	
	poppet	2.09	30.56	-.16

- The 2007-2010 Jeep Wrangler is not a Flexible Fuel Vehicle, meaning that it was not designed for, nor intended to run on fuels exceeding 10% ethanol.
- Chrysler believes that, other than what would be considered to be conditions happening at a rate consistent with normal warranty, the 2007-2010 Jeep Wrangler Inlet Check Valve meets its intended function if operated in an environment consistent with what the component was intended to be exposed to. Chrysler does not believe there to be a design defect, rather there may be conditions experienced in the field such that the vehicles are being exposed to elevated levels of ethanol beyond that which the vehicles were designed for.

Continuous Improvement Activities:

- After assessing the tank returned from the Washington DC area customer as well as other tanks, Chrysler felt it would be a prudent thing to take continuous improvement countermeasures for customer satisfaction.
- Starting on May 15, Chrysler's supplier began building with tank assemblies that had ICV poppets that were sorted to ensure an increased minimum clearance to 0.45 mm.
 - Chrysler began building with these tanks starting on June 7th, 2010.
- Further, Chrysler has initiated a new tool based on a new design that would increase the minimum clearance to 0.65 mm.
 - These parts are anticipated to be available starting in September and likely into vehicles starting beginning of October.

PE10-032

CHRYSLER

10-13-2010,

Enclosure 10C -

MOPMIS Analysis

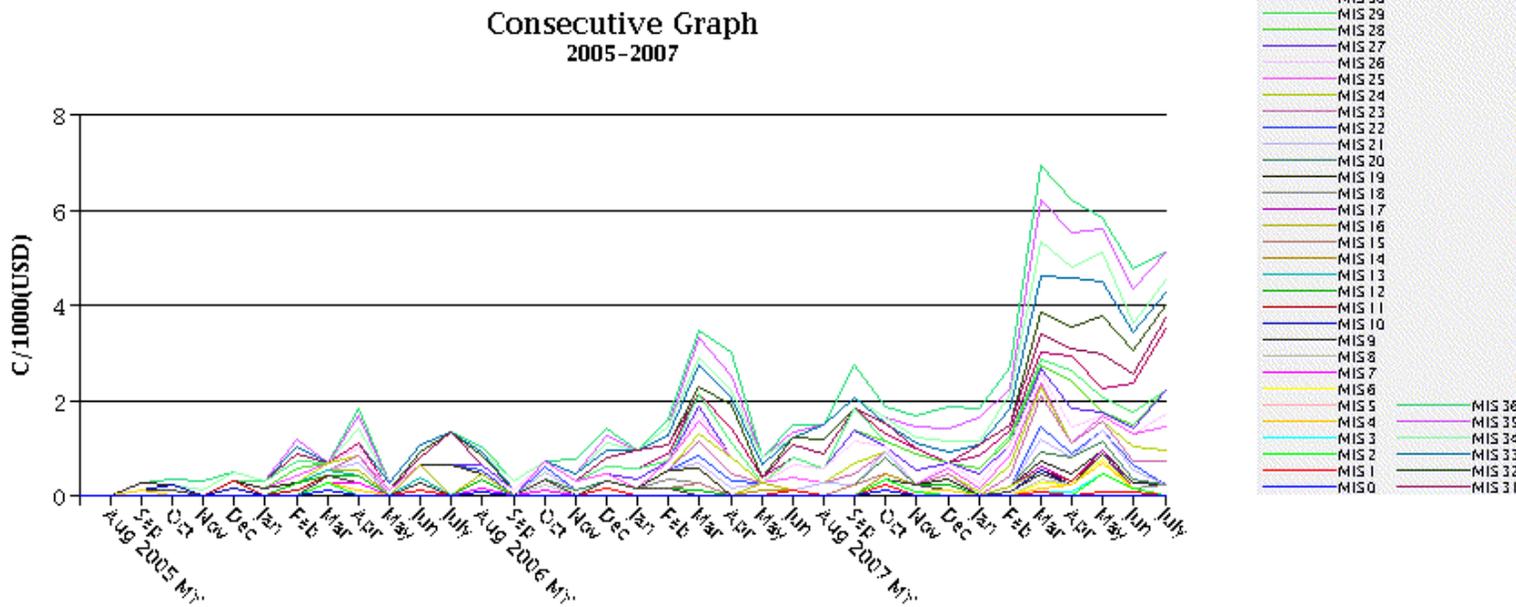
TJ & JK MOPMIS

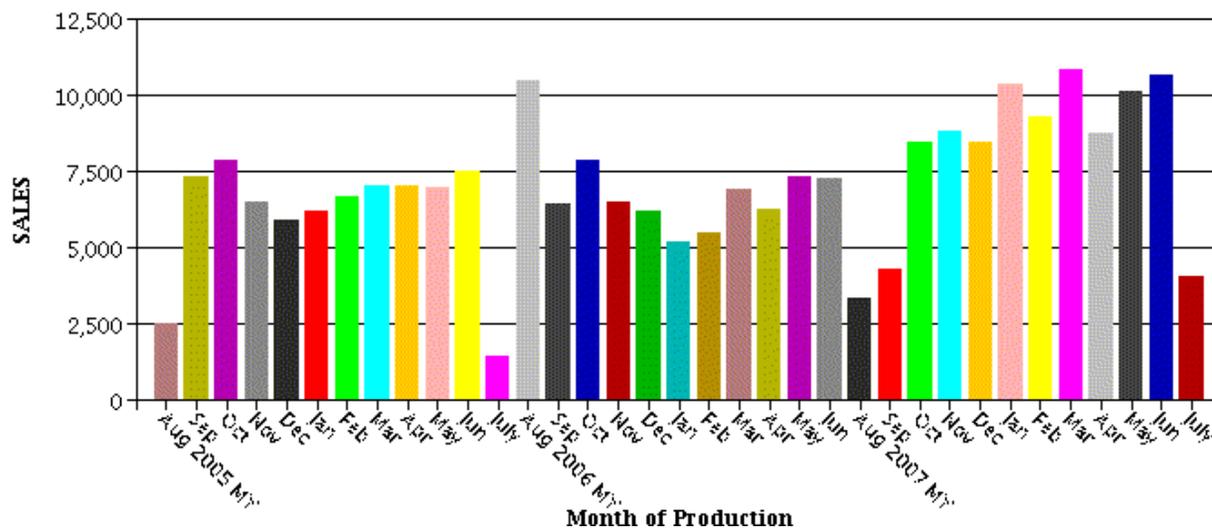
2005 to 2010

WIS - Chrysler Group
Months in Service - C/1000
Report MIS : 12

MOP/MIS
UNCODABLE (NARRATIVE REQUIRED) (UC),DAMAGED (27)

Data Through September 2010
October 8, 2010
4:50:34 PM EDT





Standard Report Parameters

Metric: Months in Service	PL: JK	FM:	LN:	PC:	BS:	AP:
Model Year: 2007-2005	FG: 14	CG: 60	CC: 01	OC: 01	FC: UC,27	FGGCC:
Vehicle: All	CTC:	CT:	SMLC:	PN:	LCC:	
Sales Divisor: Standard	CD:	QM:	QS:			
Currency: USD						
Coverage: 3/36 (K)	IMKT:	RGN:	BC:			
Fleet/Retail: All Fleet & Retail (@)						
Sold Market: USA (U)						
Brand: All Brands (@)						

Footnotes:

MIS REPORTING

Each Product Line is at its stated MIS. The Totals are at the current reporting MIS.

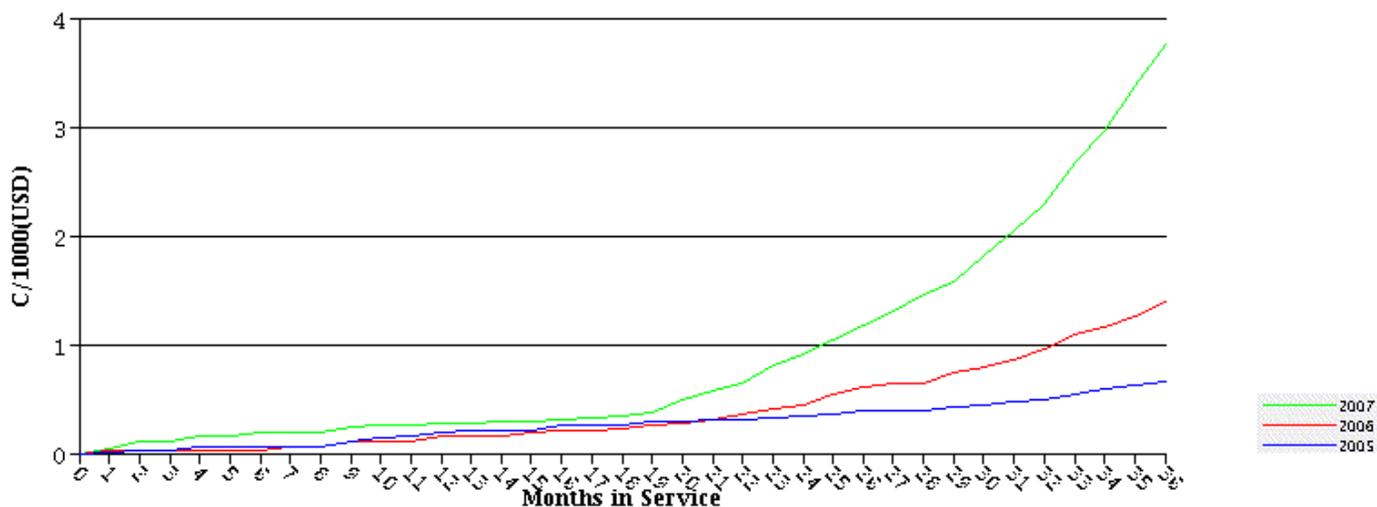
CAR

- 2009 JC launched in January, 2008.
- 2008 LZ launched in May, 2008.
- 2008 JX launched in March, 2007.
- 2008 JD launched in January, 2007.
- 2007 PM launched in February, 2006.
- 2006 LX launched in April, 2005.
- 2005 LX launched in March, 2004.
- 2005 Crossfire Convertible (ZX Product Line) launched in April, 2004.
- 2005 2005 CS launched in April, 2004.
- 2005 PT Convertible (PX Product Line) launched in January, 2004.
- 2005 RS launched in January, 2004.
- 2004 JR ("JR" and "JX" Product Lines) launched in February, 2003.
- 2004 CS launched in March, 2003.

TRUCK

2008 DA (Sterling) New for 2008.
 2006 WS (Grand Cherokee SRT-8) launched in January, 2006.
 2006 NM launched in October, 2005.
 2005 WK launched in September, 2004,
 2004 WJ launched in January, 2003.
 2002 KJ launched in May, 2001.
 2001 DR'S Built Jan-Jul 2000 are coded as 2000 MY.
 2001 and prior XJ warranty coded as KJ for comparison.

Overlay Graph
2005-2007



Standard Report Parameters

Metric: Months in Service	PL: JK	FM:	LN:	PC:	BS:	AP:
Model Year: 2007-2005	FG: 14	CG: 60	CC: 01	OC: 01	FC: UC,27	FGCGCC:
Vehicle: All	CTC:	CT:	SMLC:	PN:	LCC:	
Sales Divisor: Standard	CD:	QM:	QS:			
Currency: USD						
Coverage: 3/36 (K)	IMKT:	RGN:	BC:			
Fleet/Retail: All Fleet & Retail (@)						
Sold Market: USA (U)						
Brand: All Brands (@)						

Footnotes:

MIS REPORTING

Each Product Line is at its stated MIS. The Totals are at the current reporting MIS.

CAR

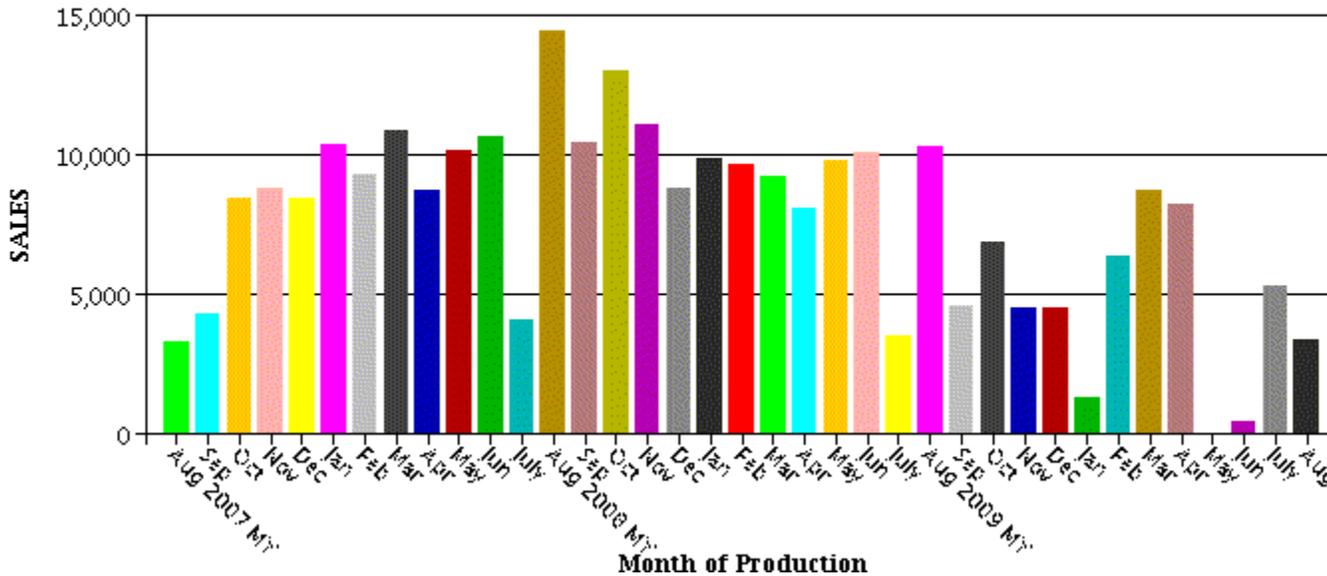
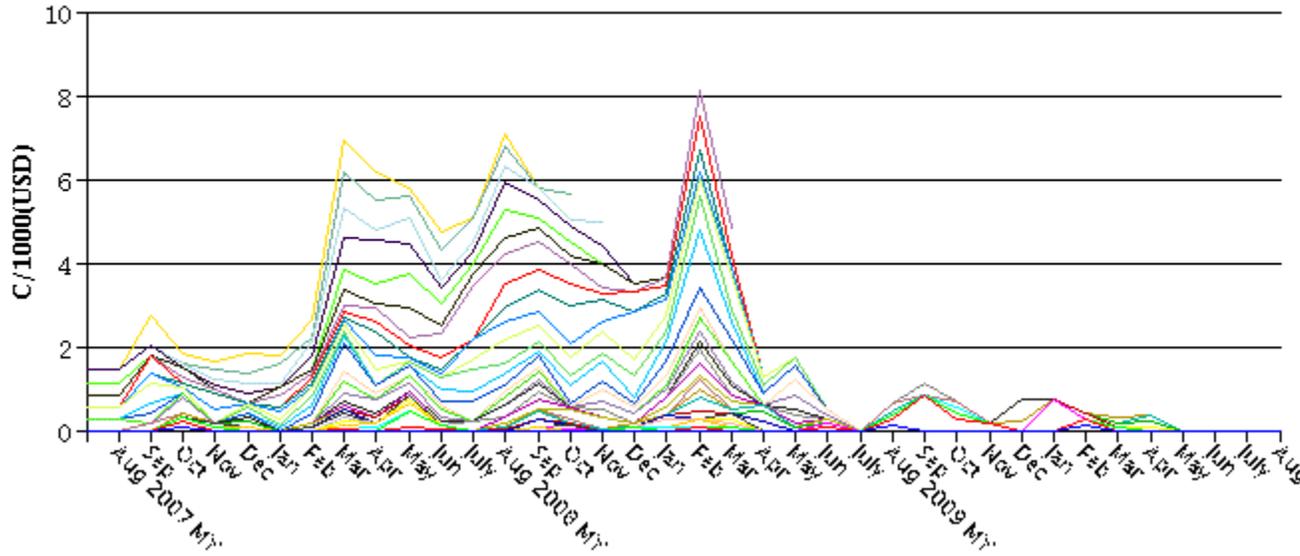
2009 JC launched in January, 2008.
2008 LZ launched in May, 2008.
2008 JX launched in March, 2007.
2008 JD launched in January, 2007.
2007 PM launched in February, 2006.
2006 LX launched in April, 2005.
2005 LX launched in March, 2004.
2005 Crossfire Convertible (ZX Product Line) launched in April, 2004.
2005 2005 CS launched in April, 2004.
2005 PT Convertible (PX Product Line) launched in January, 2004.
2005 RS launched in January, 2004.
2004 JR ("JR" and "JX" Product Lines) launched in February, 2003.
2004 CS launched in March, 2003.

TRUCK

2008 DA (Sterling) New for 2008.
2006 WS (Grand Cherokee SRT-8) launched in January, 2006.
2006 NM launched in October, 2005.
2005 WK launched in September, 2004,
2004 WJ launched in January, 2003.
2002 KJ launched in May, 2001.
2001 DR'S Built Jan-Jul 2000 are coded as 2000 MY.
2001 and prior XJ warranty coded as KJ for comparison.

The text, graphics and all other contents on this site are copyright 2002 Chrysler Group LLC. All rights reserved.

Consecutive Graph 2007-2009



Standard Report Parameters

Metric: Months in Service	PL: JK	FM:	LN:	PC:	BS:	AP:
Model Year: 2009-2007	FG: 14	CG: 60	CC: 01	OC: 01	FC: UC,27	FGCGCC:
Vehicle: All	CTC:	CT:	SMLC:	PN:	LCC:	
Sales Divisor: Non CT/SMLC Specific	CD:	QM:	QS:			
Currency: USD						
Coverage: 3/36 (K)	IMKT:	RGN:	BC:			
Fleet/Retail: All Fleet & Retail (@)						
Sold Market: USA (U)						
Brand: All Brands (@)						

Footnotes:**MIS REPORTING**

Each Product Line is at its stated MIS. The Totals are at the current reporting MIS.

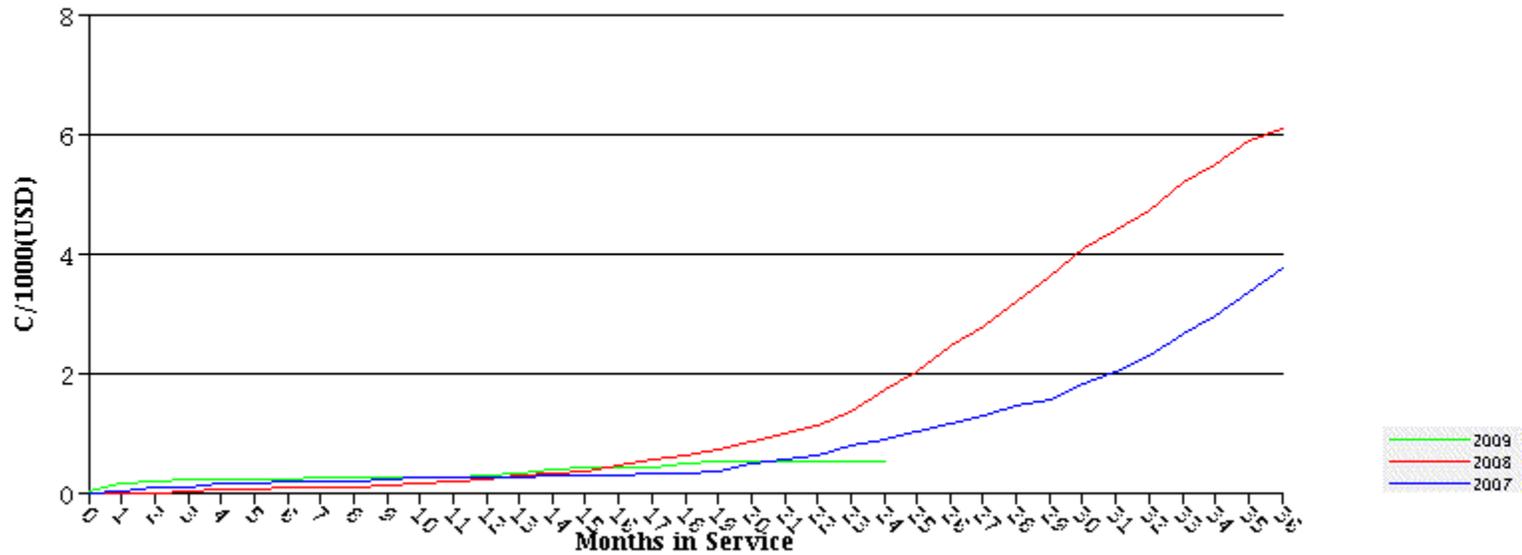
CAR

2009 JC launched in January, 2008.
 2008 LZ launched in May, 2008.
 2008 JX launched in March, 2007.
 2008 JD launched in January, 2007.
 2007 PM launched in February, 2006.
 2006 LX launched in April, 2005.
 2005 LX launched in March, 2004.
 2005 Crossfire Convertible (ZX Product Line) launched in April, 2004.
 2005 2005 CS launched in April, 2004.
 2005 PT Convertible (PX Product Line) launched in January, 2004.
 2005 RS launched in January, 2004.
 2004 JR ("JR" and "JX" Product Lines) launched in February, 2003.
 2004 CS launched in March, 2003.

TRUCK

2008 DA (Sterling) New for 2008.
 2006 WS (Grand Cherokee SRT-8) launched in January, 2006.
 2006 NM launched in October, 2005.
 2005 WK launched in September, 2004,
 2004 WJ launched in January, 2003.
 2002 KJ launched in May, 2001.
 2001 DR'S Built Jan-Jul 2000 are coded as 2000 MY.
 2001 and prior XJ warranty coded as KJ for comparison.

Overlay Graph 2007-2009



Standard Report Parameters

Metric: Months in Service
 Model Year: 2009-2007
 Vehicle: All
 Sales Divisor: Non CT/SMLC Specific
 Currency: USD
 Coverage: 3/36 (K)
 Fleet/Retail: All Fleet & Retail (@)
 Sold Market: USA (U)
 Brand: All Brands (@)

PL: JK FM: LN: PC: BS: AP:
 FG: 14 CG: 60 CC: 01 OC: 01 FC: UC,27 FGCGCC:
 CTC: CT: SMLC: PN: LCC:
 CD: QM: QS:
 IMKT: RGN: BC:

Footnotes:

MIS REPORTING

Each Product Line is at its stated MIS. The Totals are at the current reporting MIS.

CAR

- 2009 JC launched in January, 2008.
- 2008 LZ launched in May, 2008.
- 2008 JX launched in March, 2007.
- 2008 JD launched in January, 2007.
- 2007 PM launched in February, 2006.
- 2006 LX launched in April, 2005.
- 2005 LX launched in March, 2004.
- 2005 Crossfire Convertible (ZX Product Line) launched in April, 2004.
- 2005 2005 CS launched in April, 2004.
- 2005 PT Convertible (PX Product Line) launched in January, 2004.
- 2005 RS launched in January, 2004.
- 2004 JR ("JR" and "JX" Product Lines) launched in February, 2003.
- 2004 CS launched in March, 2003.

TRUCK

2008 DA (Sterling) New for 2008.

2006 WS (Grand Cherokee SRT-8) launched in January, 2006.

2006 NM launched in October, 2005.

2005 WK launched in September, 2004,

2004 WJ launched in January, 2003.

2002 KJ launched in May, 2001.

2001 DR'S Built Jan-Jul 2000 are coded as 2000 MY.

2001 and prior XJ warranty coded as KJ for comparison.

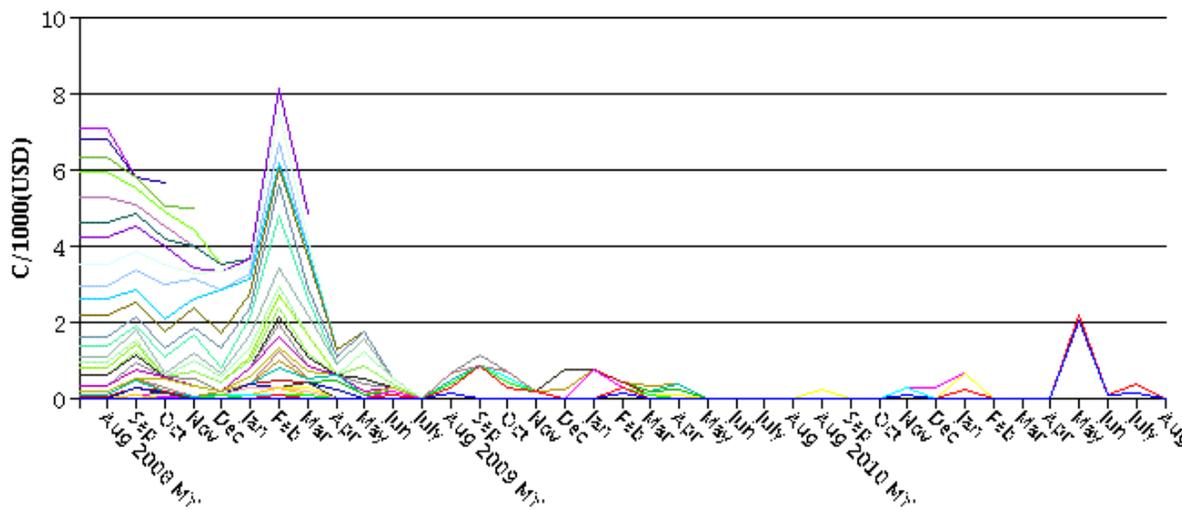
The text, graphics and all other contents on this site are copyright 2002 Chrysler Group LLC. All rights reserved.

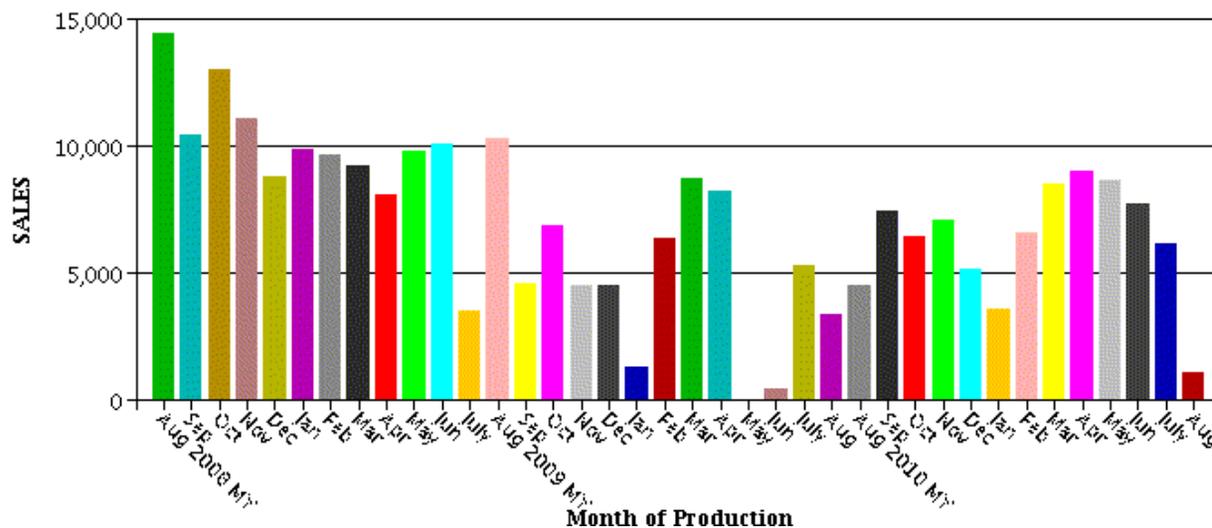
WIS - Chrysler Group
Months in Service - C/1000
Report MIS : 12

MOP/MIS
UNCODABLE (NARRATIVE REQUIRED) (UC),DAMAGED (27)

Data Through September 2010
October 8, 2010
4:53:54 PM EDT

Consecutive Graph
2008 - 2010





Standard Report Parameters

Metric: Months in Service	PL: JK	FM:	LN:	PC:	BS:	AP:
Model Year: 2010-2008	FG: 14	CG: 60	CC: 01	OC: 01	FC: UC,27	FGGCC:
Vehicle: All	CTC:	CT:	SMLC:	PN:	LCC:	
Sales Divisor: Standard	CD:	QM:	QS:			
Currency: USD						
Coverage: 3/36 (K)	IMKT:	RGN:	BC:			
Fleet/Retail: All Fleet & Retail (@)						
Sold Market: USA (U)						
Brand: All Brands (@)						

Footnotes:

MIS REPORTING

Each Product Line is at its stated MIS. The Totals are at the current reporting MIS.

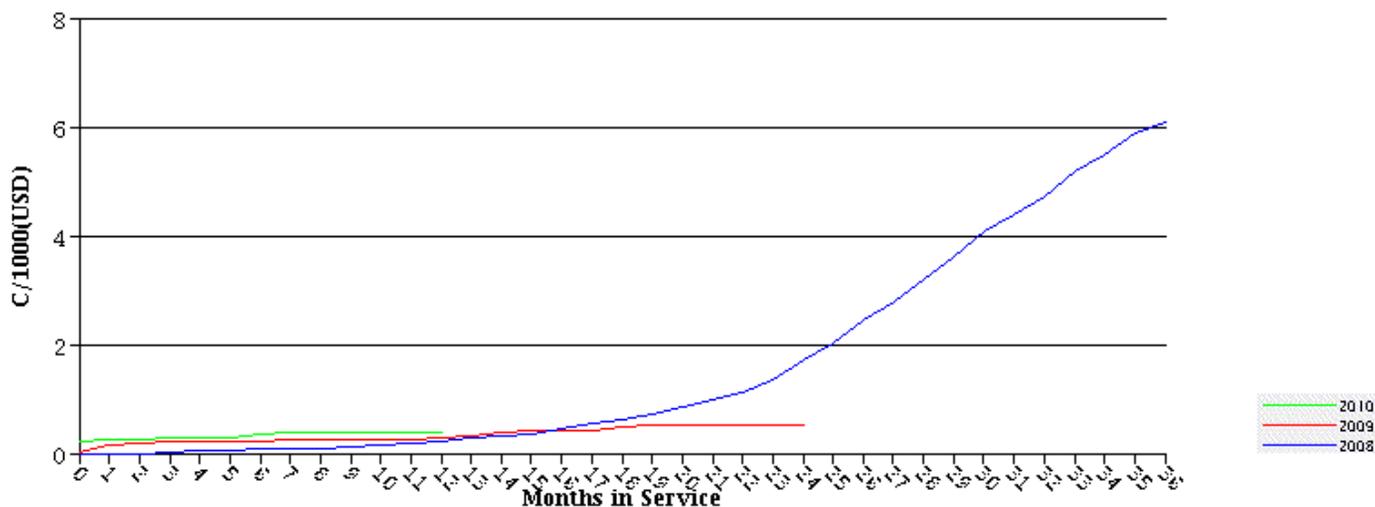
CAR

- 2009 JC launched in January, 2008.
- 2008 LZ launched in May, 2008.
- 2008 JX launched in March, 2007.
- 2008 JD launched in January, 2007.
- 2007 PM launched in February, 2006.
- 2006 LX launched in April, 2005.
- 2005 LX launched in March, 2004.
- 2005 Crossfire Convertible (ZX Product Line) launched in April, 2004.
- 2005 2005 CS launched in April, 2004.
- 2005 PT Convertible (PX Product Line) launched in January, 2004.
- 2005 RS launched in January, 2004.
- 2004 JR ("JR" and "JX" Product Lines) launched in February, 2003.
- 2004 CS launched in March, 2003.

TRUCK

2008 DA (Sterling) New for 2008.
 2006 WS (Grand Cherokee SRT-8) launched in January, 2006.
 2006 NM launched in October, 2005.
 2005 WK launched in September, 2004,
 2004 WJ launched in January, 2003.
 2002 KJ launched in May, 2001.
 2001 DR'S Built Jan-Jul 2000 are coded as 2000 MY.
 2001 and prior XJ warranty coded as KJ for comparison.

Overlay Graph
2008-2010



Standard Report Parameters

Metric: Months in Service	PL: JK	FM:	LN:	PC:	BS:	AP:
Model Year: 2010-2008	FG: 14	CG: 60	CC: 01	OC: 01	FC: UC,27	FGCGCC:
Vehicle: All	CTC:	CT:	SMLC:	PN:	LCC:	
Sales Divisor: Standard	CD:	QM:	QS:			
Currency: USD						
Coverage: 3/36 (K)	IMKT:	RGN:	BC:			
Fleet/Retail: All Fleet & Retail (@)						
Sold Market: USA (U)						
Brand: All Brands (@)						

Footnotes:

MIS REPORTING

Each Product Line is at its stated MIS. The Totals are at the current reporting MIS.

CAR

2009 JC launched in January, 2008.
2008 LZ launched in May, 2008.
2008 JX launched in March, 2007.
2008 JD launched in January, 2007.
2007 PM launched in February, 2006.
2006 LX launched in April, 2005.
2005 LX launched in March, 2004.
2005 Crossfire Convertible (ZX Product Line) launched in April, 2004.
2005 2005 CS launched in April, 2004.
2005 PT Convertible (PX Product Line) launched in January, 2004.
2005 RS launched in January, 2004.
2004 JR ("JR" and "JX" Product Lines) launched in February, 2003.
2004 CS launched in March, 2003.

TRUCK

2008 DA (Sterling) New for 2008.
2006 WS (Grand Cherokee SRT-8) launched in January, 2006.
2006 NM launched in October, 2005.
2005 WK launched in September, 2004,
2004 WJ launched in January, 2003.
2002 KJ launched in May, 2001.
2001 DR'S Built Jan-Jul 2000 are coded as 2000 MY.
2001 and prior XJ warranty coded as KJ for comparison.

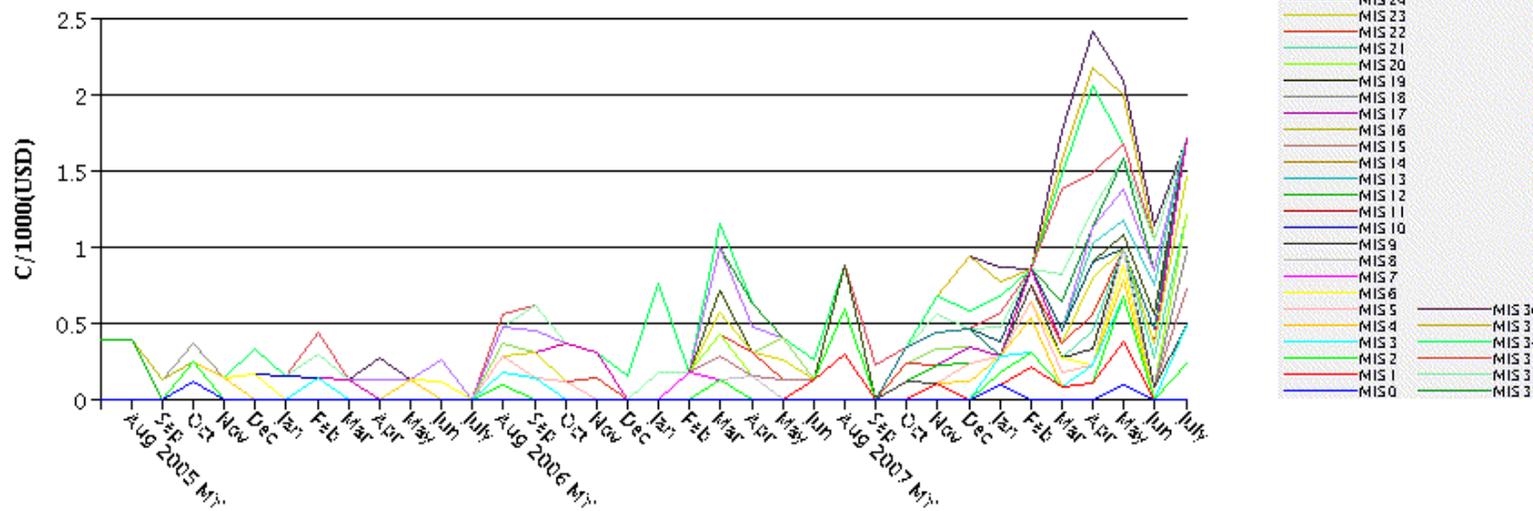
The text, graphics and all other contents on this site are copyright 2002 Chrysler Group LLC. All rights reserved.

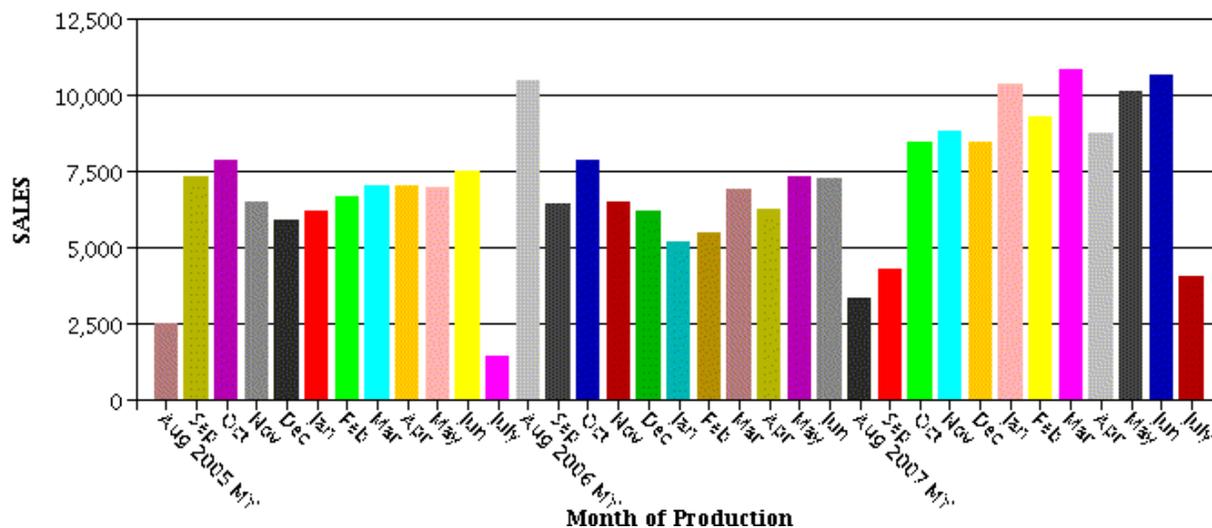
WIS - Chrysler Group
Months in Service - C/1000
Report MIS : 12

MOP/MIS
UNCODABLE (NARRATIVE REQUIRED) (UC),BROKEN OR CRACKED (11),FUEL LEAK (43)

Data Through September 2010
October 8, 2010
4:59:01 PM EDT

Consecutive Graph
2005 - 2007





Standard Report Parameters

Metric: Months in Service	PL: JK	FM:	LN:	PC:	BS:	AP:
Model Year: 2007-2005	FG: 14	CG: 60	CC: 15	OC: 01	FC: UC,11,43	FGGCC:
Vehicle: All	CTC:	CT:	SMLC:	PN:	LCC:	
Sales Divisor: Standard	CD:	QM:	QS:			
Currency: USD						
Coverage: 3/36 (K)	IMKT:	RGN:	BC:			
Fleet/Retail: All Fleet & Retail (@)						
Sold Market: USA (U)						
Brand: All Brands (@)						

Footnotes:

MIS REPORTING

Each Product Line is at its stated MIS. The Totals are at the current reporting MIS.

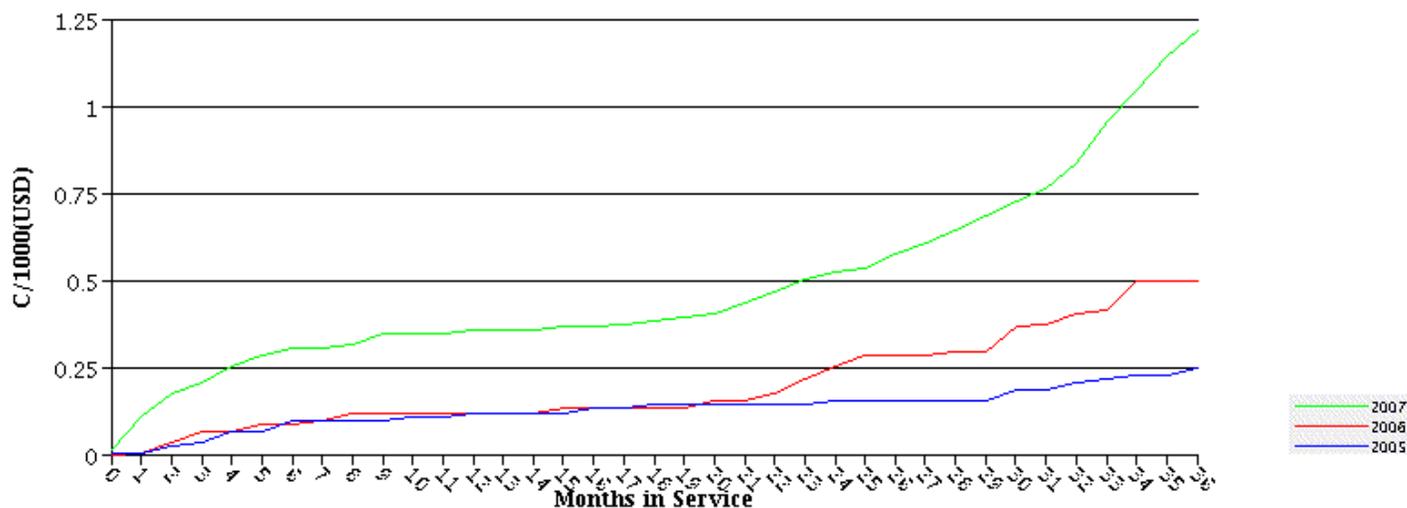
CAR

- 2009 JC launched in January, 2008.
- 2008 LZ launched in May, 2008.
- 2008 JX launched in March, 2007.
- 2008 JD launched in January, 2007.
- 2007 PM launched in February, 2006.
- 2006 LX launched in April, 2005.
- 2005 LX launched in March, 2004.
- 2005 Crossfire Convertible (ZX Product Line) launched in April, 2004.
- 2005 2005 CS launched in April, 2004.
- 2005 PT Convertible (PX Product Line) launched in January, 2004.
- 2005 RS launched in January, 2004.
- 2004 JR ("JR" and "JX" Product Lines) launched in February, 2003.
- 2004 CS launched in March, 2003.

TRUCK

2008 DA (Sterling) New for 2008.
 2006 WS (Grand Cherokee SRT-8) launched in January, 2006.
 2006 NM launched in October, 2005.
 2005 WK launched in September, 2004,
 2004 WJ launched in January, 2003.
 2002 KJ launched in May, 2001.
 2001 DR'S Built Jan-Jul 2000 are coded as 2000 MY.
 2001 and prior XJ warranty coded as KJ for comparison.

Overlay Graph
2005-2007



Standard Report Parameters

Metric: Months in Service
 Model Year: 2007-2005
 Vehicle: All
 Sales Divisor: Standard
 Currency: USD
 Coverage: 3/36 (K)
 Fleet/Retail: All Fleet & Retail (@)
 Sold Market: USA (U)
 Brand: All Brands (@)

PL: JK FM: LN: PC: BS: AP:
 FG: 14 CG: 60 CC: 15 OC: 01 FC: UC,11,43 FGCGCC:
 CTC: CT: SMLC: PN: LCC:
 CD: QM: QS:
 IMKT: RGN: BC:

Footnotes:

MIS REPORTING

Each Product Line is at its stated MIS. The Totals are at the current reporting MIS.

CAR

2009 JC launched in January, 2008.
2008 LZ launched in May, 2008.
2008 JX launched in March, 2007.
2008 JD launched in January, 2007.
2007 PM launched in February, 2006.
2006 LX launched in April, 2005.
2005 LX launched in March, 2004.
2005 Crossfire Convertible (ZX Product Line) launched in April, 2004.
2005 2005 CS launched in April, 2004.
2005 PT Convertible (PX Product Line) launched in January, 2004.
2005 RS launched in January, 2004.
2004 JR ("JR" and "JX" Product Lines) launched in February, 2003.
2004 CS launched in March, 2003.

TRUCK

2008 DA (Sterling) New for 2008.
2006 WS (Grand Cherokee SRT-8) launched in January, 2006.
2006 NM launched in October, 2005.
2005 WK launched in September, 2004,
2004 WJ launched in January, 2003.
2002 KJ launched in May, 2001.
2001 DR'S Built Jan-Jul 2000 are coded as 2000 MY.
2001 and prior XJ warranty coded as KJ for comparison.

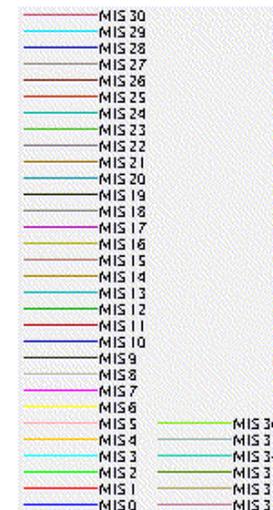
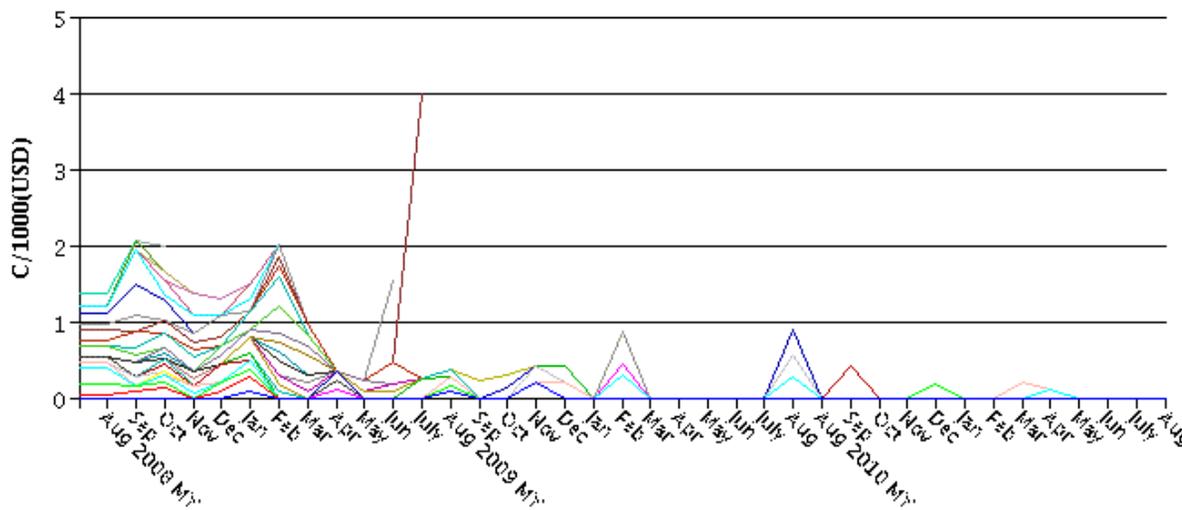
The text, graphics and all other contents on this site are copyright 2002 Chrysler Group LLC. All rights reserved.

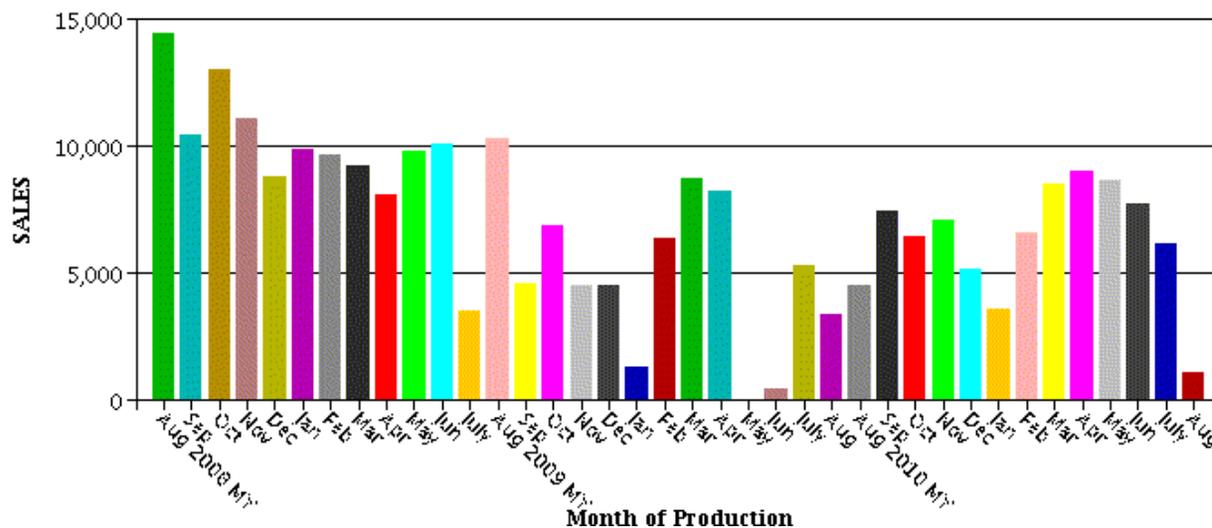
WIS - Chrysler Group
Months in Service - C/1000
Report MIS : 12

MOP/MIS
UNCODABLE (NARRATIVE REQUIRED) (UC),BROKEN OR CRACKED (11),FUEL LEAK (43)

Data Through September 2010
October 8, 2010
5:04:05 PM EDT

Consecutive Graph
2008 - 2010





Standard Report Parameters

Metric: Months in Service	PL: JK	FM:	LN:	PC:	BS:	AP:
Model Year: 2010-2008	FG: 14	CG: 60	CC: 15	OC: 01	FC: UC,11,43	FGGCC:
Vehicle: All	CTC:	CT:	SMLC:	PN:	LCC:	
Sales Divisor: Standard	CD:	QM:	QS:			
Currency: USD						
Coverage: 3/36 (K)	IMKT:	RGN:	BC:			
Fleet/Retail: All Fleet & Retail (@)						
Sold Market: USA (U)						
Brand: All Brands (@)						

Footnotes:

MIS REPORTING

Each Product Line is at its stated MIS. The Totals are at the current reporting MIS.

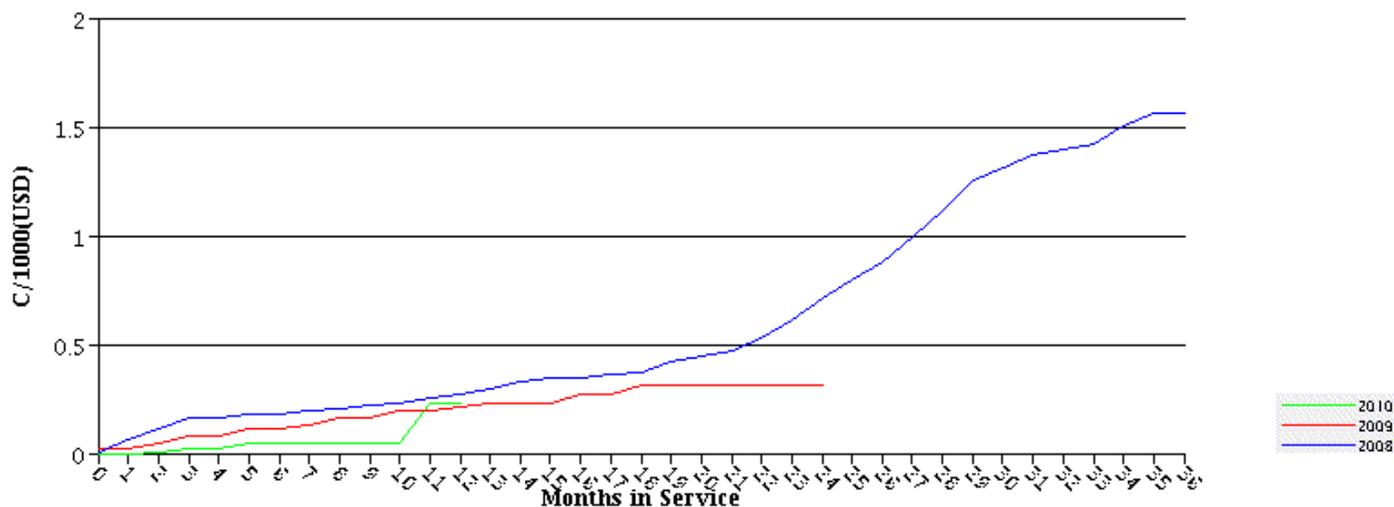
CAR

- 2009 JC launched in January, 2008.
- 2008 LZ launched in May, 2008.
- 2008 JX launched in March, 2007.
- 2008 JD launched in January, 2007.
- 2007 PM launched in February, 2006.
- 2006 LX launched in April, 2005.
- 2005 LX launched in March, 2004.
- 2005 Crossfire Convertible (ZX Product Line) launched in April, 2004.
- 2005 2005 CS launched in April, 2004.
- 2005 PT Convertible (PX Product Line) launched in January, 2004.
- 2005 RS launched in January, 2004.
- 2004 JR ("JR" and "JX" Product Lines) launched in February, 2003.
- 2004 CS launched in March, 2003.

TRUCK

2008 DA (Sterling) New for 2008.
 2006 WS (Grand Cherokee SRT-8) launched in January, 2006.
 2006 NM launched in October, 2005.
 2005 WK launched in September, 2004,
 2004 WJ launched in January, 2003.
 2002 KJ launched in May, 2001.
 2001 DR'S Built Jan-Jul 2000 are coded as 2000 MY.
 2001 and prior XJ warranty coded as KJ for comparison.

Overlay Graph
2008-2010



Standard Report Parameters

Metric: Months in Service	PL: JK	FM:	LN:	PC:	BS:	AP:
Model Year: 2010-2008	FG: 14	CG: 60	CC: 15	OC: 01	FC: UC,11,43	FGGCC:
Vehicle: All	CTC:	CT:	SMLC:	PN:	LCC:	
Sales Divisor: Standard	CD:	QM:	QS:			
Currency: USD						
Coverage: 3/36 (K)	IMKT:	RGN:	BC:			
Fleet/Retail: All Fleet & Retail (@)						
Sold Market: USA (U)						
Brand: All Brands (@)						

Footnotes:

MIS REPORTING

Each Product Line is at its stated MIS. The Totals are at the current reporting MIS.

CAR

2009 JC launched in January, 2008.
2008 LZ launched in May, 2008.
2008 JX launched in March, 2007.
2008 JD launched in January, 2007.
2007 PM launched in February, 2006.
2006 LX launched in April, 2005.
2005 LX launched in March, 2004.
2005 Crossfire Convertible (ZX Product Line) launched in April, 2004.
2005 2005 CS launched in April, 2004.
2005 PT Convertible (PX Product Line) launched in January, 2004.
2005 RS launched in January, 2004.
2004 JR ("JR" and "JX" Product Lines) launched in February, 2003.
2004 CS launched in March, 2003.

TRUCK

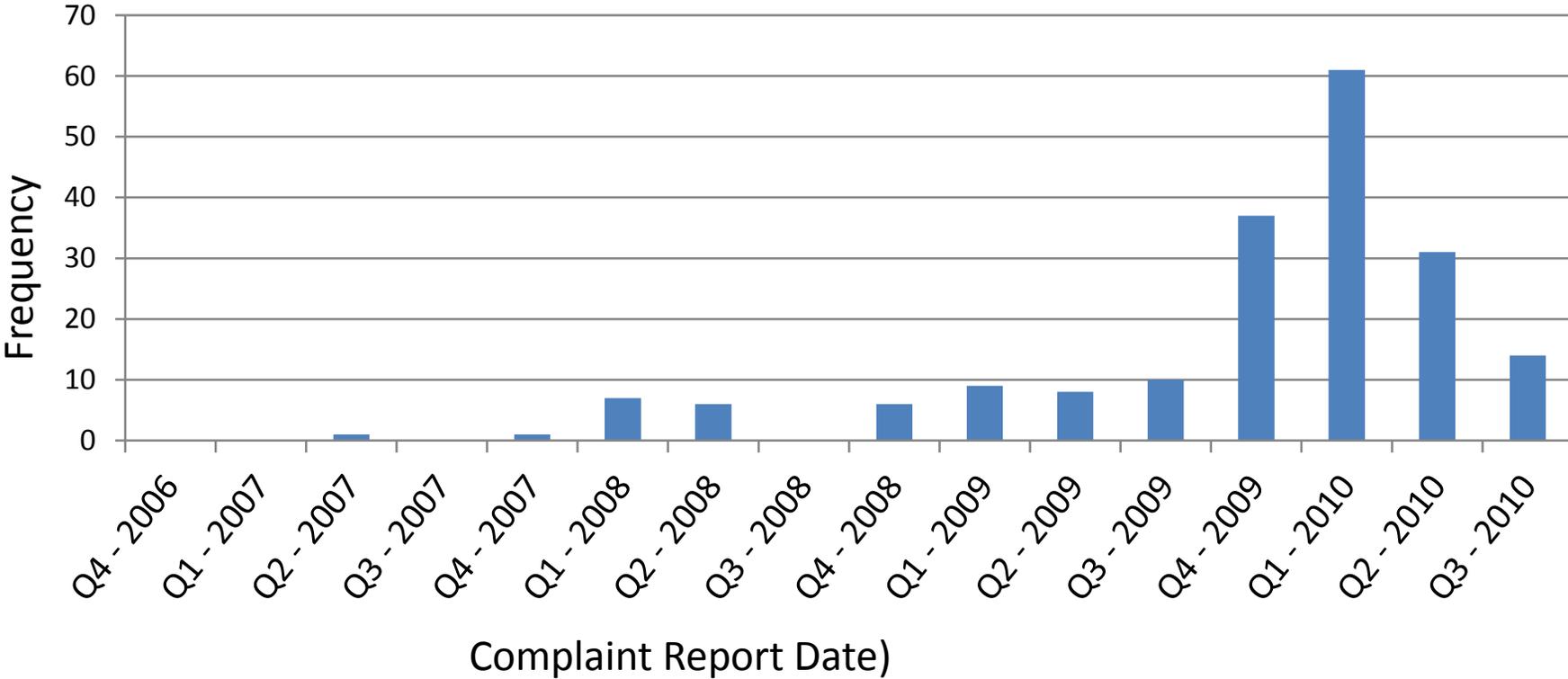
2008 DA (Sterling) New for 2008.
2006 WS (Grand Cherokee SRT-8) launched in January, 2006.
2006 NM launched in October, 2005.
2005 WK launched in September, 2004,
2004 WJ launched in January, 2003.
2002 KJ launched in May, 2001.
2001 DR'S Built Jan-Jul 2000 are coded as 2000 MY.
2001 and prior XJ warranty coded as KJ for comparison.

The text, graphics and all other contents on this site are copyright 2002 Chrysler Group LLC. All rights reserved.

PE10-032
CHRYSLER
10-13-2010,
Enclosure 10D -
Complaint Analysis
PLOT

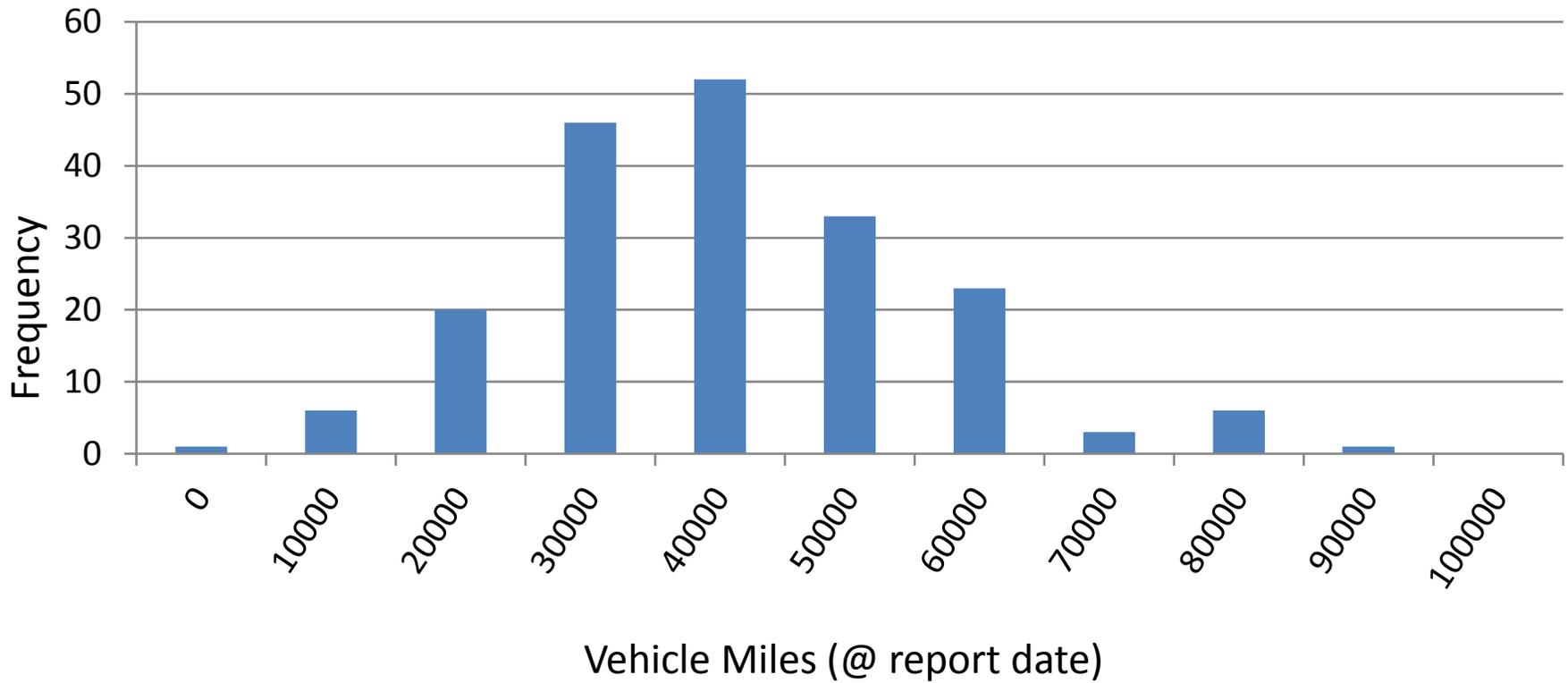
PE10-032 Complaints

by Report Date (unique VINS)



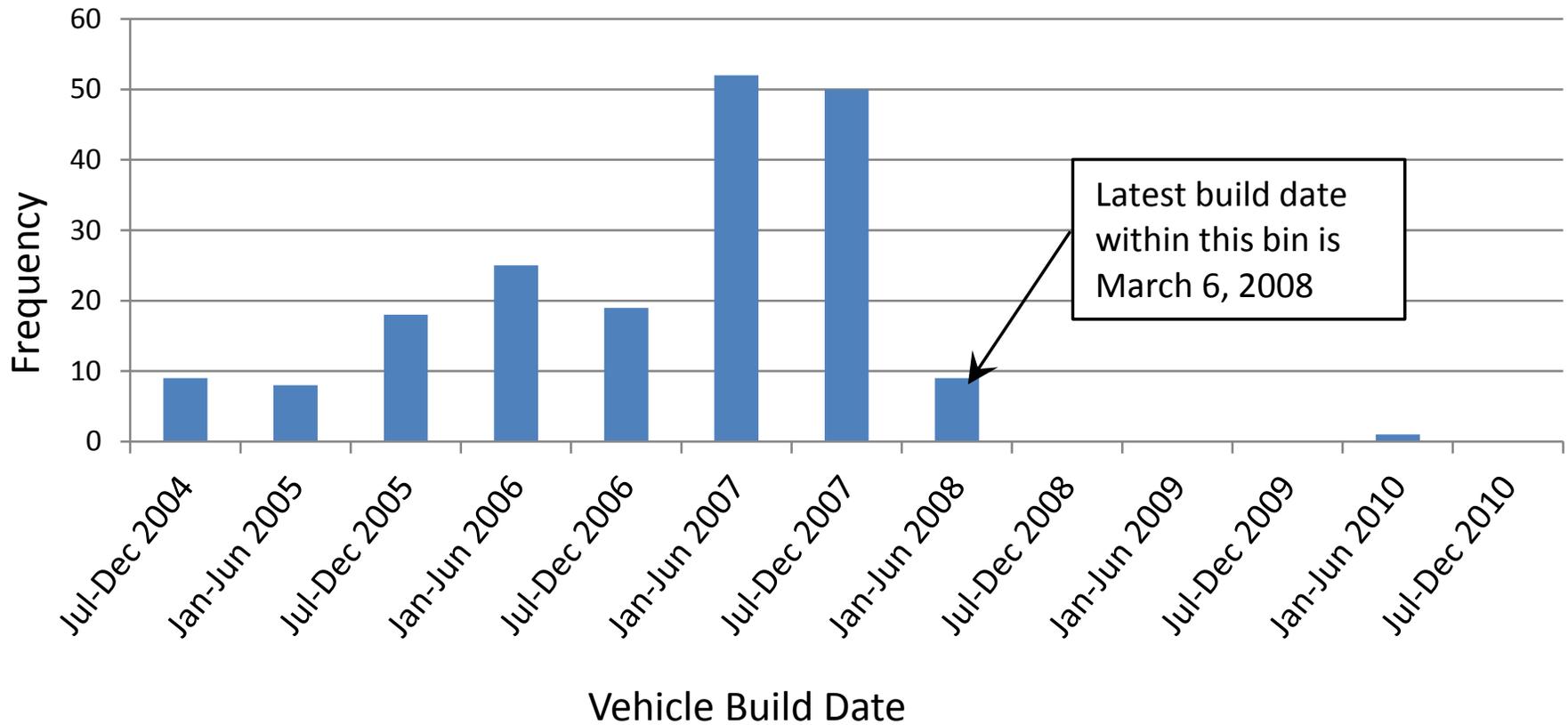
PE10-032 Complaints

by Vehicle Mileage (Unique VINs)



PE10-032 Complaints

by Vehicle Build Date (unique VINS)



PE10-032

CHRYSLER

10-13-2010,

Enclosure 10E -

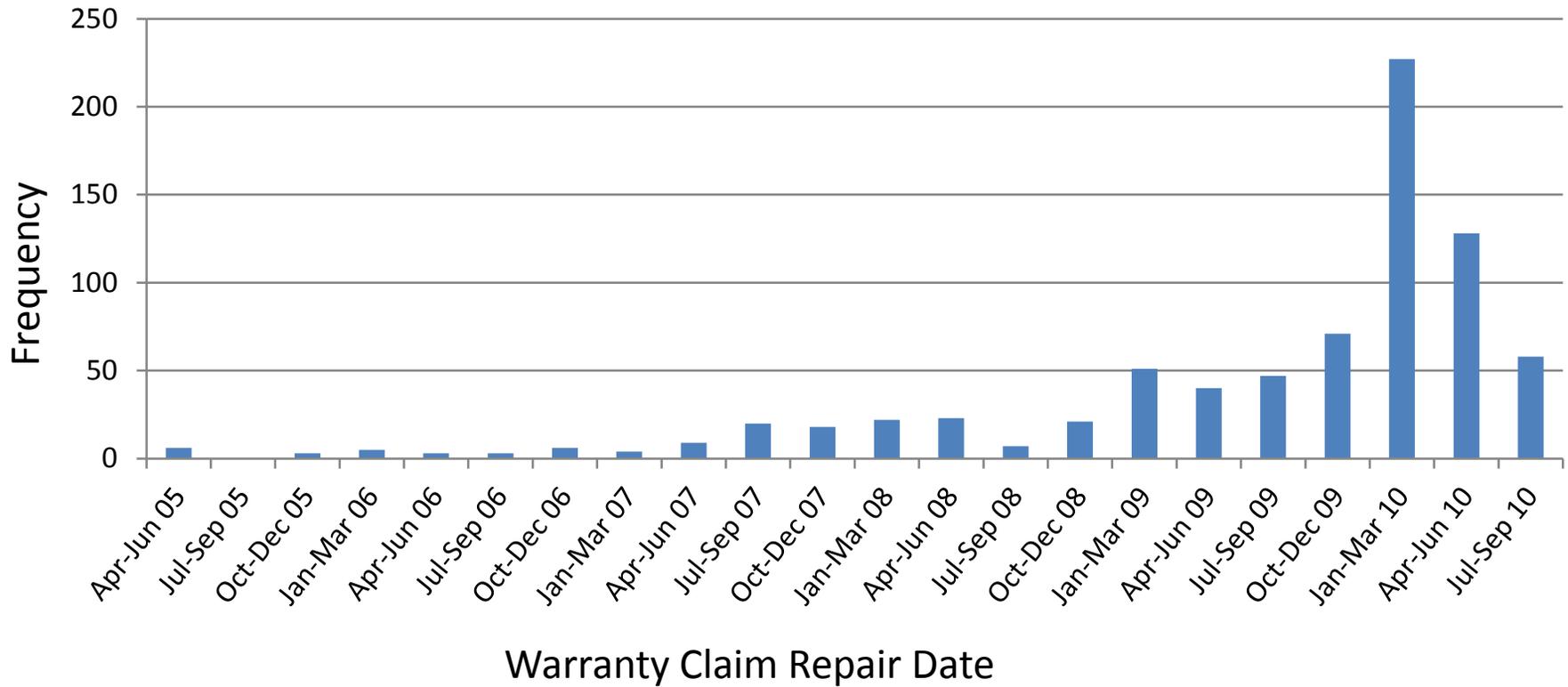
Warranty Analysis

TJ JK Warranty

Analysis Plots

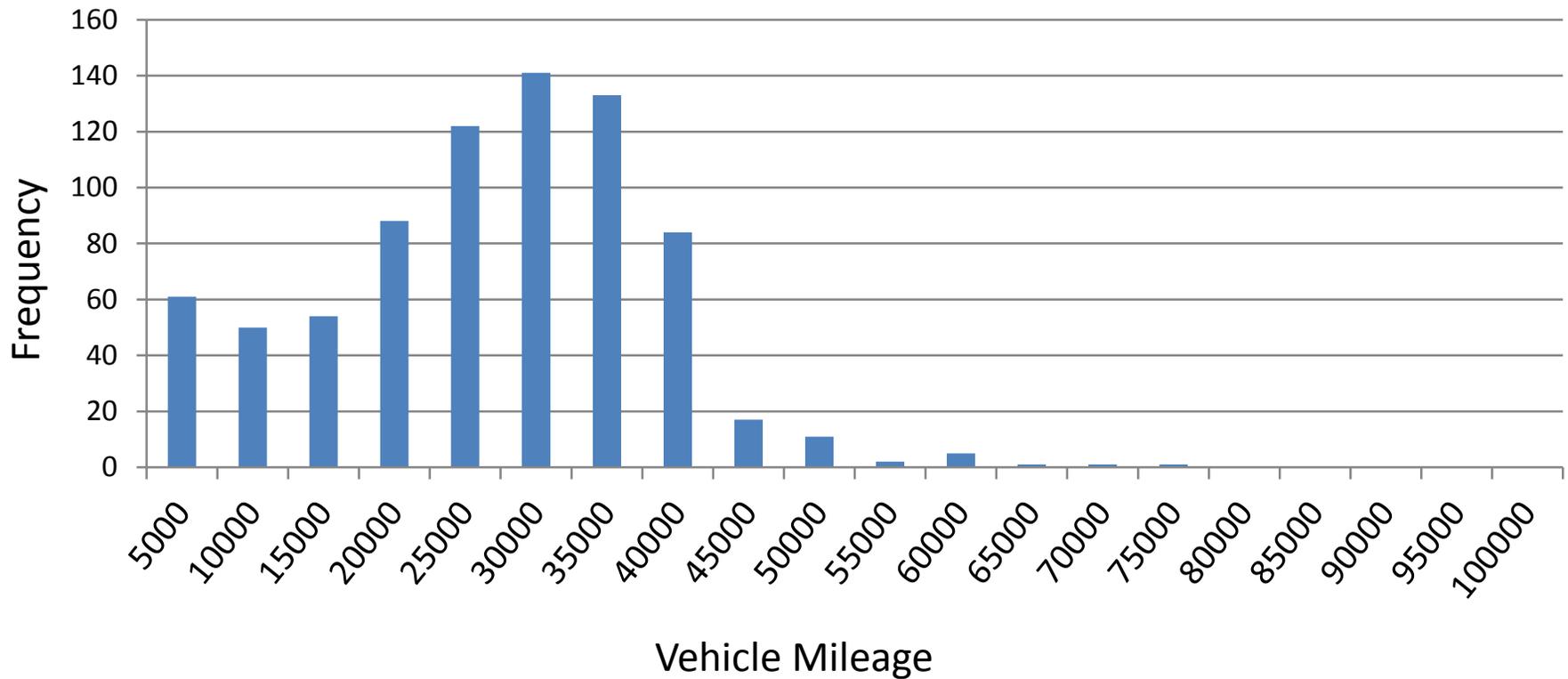
PE10-032 Subject Vehicle Warranty

by Claim Repair Date (responsive fuel tank / filler neck replacement claims)



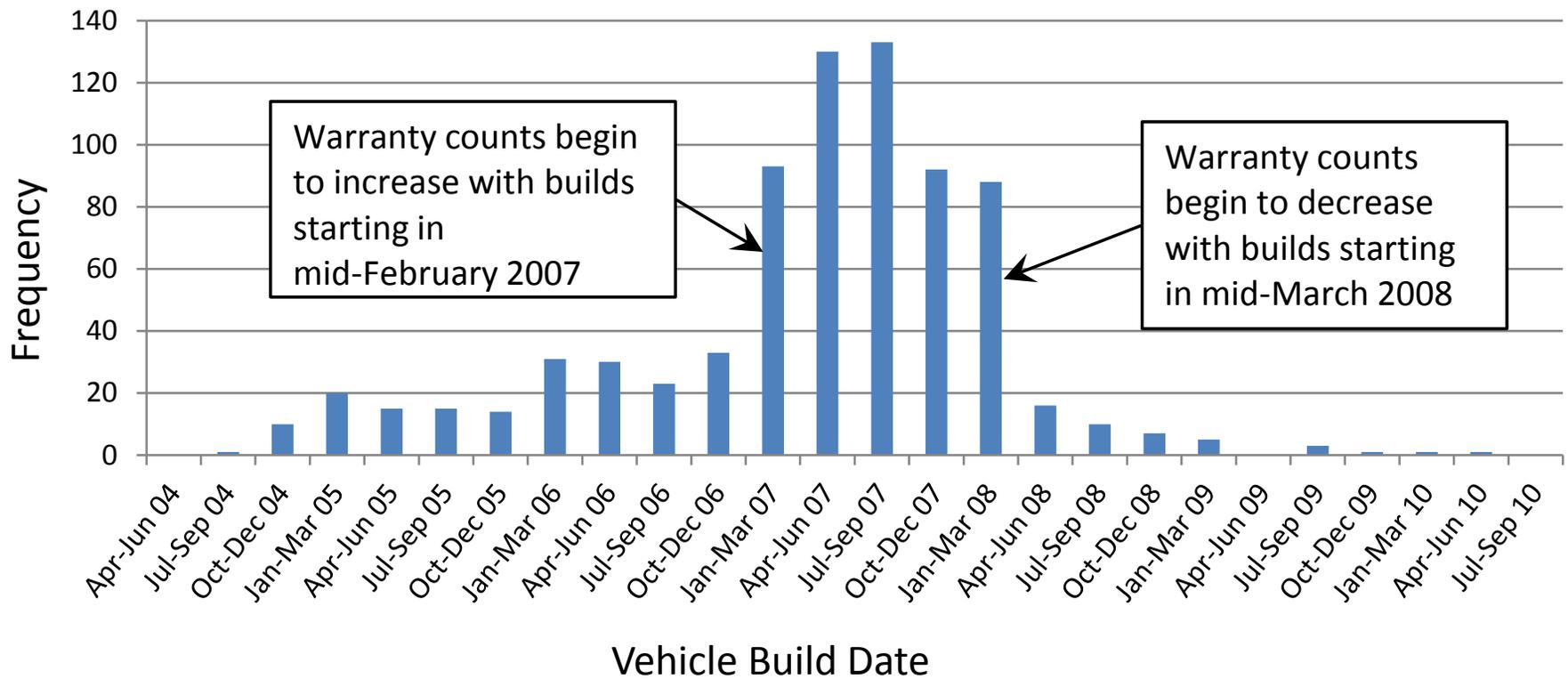
PE10-032 Subject Vehicle Warranty

by Mileage (responsive fuel tank / filler neck replacement claims)



PE10-032 Subject Vehicle Warranty

by Build Date ("included" fuel tank / filler neck replacement claims)



PE10-032

CHRYSLER

10-13-2010,

Enclosure 13 - Part
Sales

JK & TJ Fuel Tank
Monthly Sales &
Contact Info

JK Fuel Tank US Monthly Sales Report

Part Number	Descript	Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
04721289AC TANK	2005	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52059718AD TANK	2005	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52059718AE TANK	2005	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52059718AF TANK	2005	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52059718AG TANK	2005	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52059718AH TANK	2005	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52059729AC TANK	2005	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52059729AD TANK	2005	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52059729AE TANK	2005	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52059729AF TANK	2005	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52059729AG TANK	2005	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52059729AH TANK	2005	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04721289AC TANK	2006	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52059718AD TANK	2006	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52059718AE TANK	2006	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52059718AG TANK	2006	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52059718AH TANK	2006	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52059729AC TANK	2006	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52059729AF TANK	2006	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52059729AG TANK	2006	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52059729AH TANK	2006	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04721289AC TANK	2007	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52059718AG TANK	2007	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52059718AH TANK	2007	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52059729AC TANK	2007	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52059729AD TANK	2007	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52059729AG TANK	2007	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52059729AH TANK	2007	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04721289AC TANK	2008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52059729AC TANK	2008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52059729AD TANK	2008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52059729AH TANK	2008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04721289AC TANK	2009	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52059718AD TANK	2009	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52059729AC TANK	2009	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52059729AD TANK	2009	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04721289AC TANK	2010	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52059718AD TANK	2010	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52059718AG TANK	2010	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52059729AD TANK	2010	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52059718AD TANK	2008	1	0	0	0	0	0	0	0	0	0	0	0	0	1
52059729AC TANK	2010	0	1	0	0	0	0	0	0	0	0	0	0	0	1
52059729AF TANK	2010	0	0	2	1	0	0	0	0	0	0	0	0	0	3
52059729AE TANK	2010	0	0	1	3	1	0	0	0	0	0	0	0	0	5
52059718AF TANK	2010	0	0	0	2	0	1	0	0	0	0	0	0	0	3
52059718AE TANK	2010	2	0	1	0	0	0	1	0	0	0	0	0	0	4
52059729AH TANK	2010	8	8	1	8	2	2	4	0	0	0	0	0	0	33
52059729AG TANK	2010	142	130	149	156	59	68	87	57	18	0	0	0	0	866
52059718AH TANK	2010	104	74	95	76	64	46	49	39	22	0	0	0	0	569
52059718AG TANK	2008	0	0	1	0	0	0	0	0	0	1	0	0	0	2
52059729AE TANK	2009	1	0	0	0	0	1	0	0	0	1	0	0	0	3
52059729AF TANK	2009	1	1	0	0	0	0	1	0	0	1	0	0	0	4
52059718AE TANK	2008	2	1	1	1	0	0	0	1	0	1	0	0	0	7
52059718AG TANK	2009	0	0	1	1	0	0	1	1	0	1	0	0	0	5
52059718AD TANK	2007	0	0	1	0	0	0	0	0	1	1	0	0	0	3
52059718AF TANK	2008	0	2	1	1	6	0	1	6	6	1	0	0	0	24
52059718AF TANK	2009	0	1	0	1	1	0	0	0	0	0	1	0	0	4
52059718AF TANK	2006	0	0	0	0	0	0	0	0	0	0	2	0	0	2
52059729AF TANK	2007	0	0	0	0	0	0	0	1	2	2	2	0	0	7
52059718AE TANK	2007	0	1	2	1	4	6	1	4	5	3	6	0	0	33
52059729AD TANK	2006	0	0	0	0	0	0	0	0	0	0	0	1	1	1
52059718AE TANK	2009	4	2	1	0	0	0	0	0	0	0	0	1	8	8
52059718AF TANK	2007	0	6	0	0	0	0	0	1	0	0	0	0	1	8
52059729AF TANK	2008	2	1	0	2	0	0	0	2	0	0	0	1	8	8
52059729AE TANK	2008	16	37	7	2	1	1	0	0	0	0	0	2	66	66
52059729AE TANK	2006	0	0	0	0	0	0	0	0	0	4	2	4	10	10
52059729AE TANK	2007	0	3	7	3	1	4	10	6	3	9	6	6	58	58
52059718AH TANK	2008	0	0	0	0	0	0	0	0	0	4	8	12	24	24
52059729AG TANK	2008	0	0	1	5	14	13	11	5	4	12	10	15	90	90
52059729AG TANK	2009	34	48	22	35	27	31	30	20	23	24	14	24	332	332
52059718AH TANK	2009	12	21	19	14	11	15	20	24	17	30	36	58	277	277
52059729AH TANK	2009	0	0	0	1	0	0	0	0	0	28	31	62	122	122
Totals			329	337	313	313	191	188	216	167	101	123	118	187	2,583

Amber V. Kirkland (Cleveland)
 Program Manager
 VITEC, LLC
 313-297-6676 x297 (Wrk)
 707-922-8802 (Fax)
 313-268-1861 (Cell) ** NEW **
 www.vitec-usa.com
 2627 Clark Street, Detroit, MI.48210

TJ Fuel Tank US Monthly Sales Report

Part Number	Descrip	Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
52059617AC	TANK	2005	0	0	0	0	0	0	0	0	0	0	0	0	0
52059617AG	TANK	2005	0	0	0	0	0	0	0	0	0	0	0	0	0
52059617AC	TANK	2006	0	0	0	0	0	0	0	0	0	0	0	0	0
52059617AC	TANK	2007	0	0	0	0	0	0	0	0	0	0	0	0	0
52059617AC	TANK	2008	0	0	0	0	0	0	0	0	0	0	0	0	0
52059617AE	TANK	2009	0	0	0	0	0	0	0	0	0	0	0	0	0
52059617AC	TANK	2010	0	0	0	0	0	0	0	0	0	0	0	0	0
52059617AE	TANK	2010	0	0	0	0	0	0	0	0	0	0	0	0	0
52059617AE	TANK	2008	2	4	0	0	0	0	0	0	0	0	0	0	6
52059617AF	TANK	2006	1	2	1	1	0	0	0	0	0	0	0	0	5
52059617AF	TANK	2010	0	0	0	1	1	0	0	0	0	0	0	0	2
52059617AF	TANK	2009	1	0	0	2	0	1	0	0	0	0	0	0	4
52059617AC	TANK	2009	0	0	0	0	0	0	0	0	0	1	0	0	1
52059617AG	TANK	2010	24	12	33	33	28	18	26	18	15	0	0	0	207
52059617AF	TANK	2005	0	0	0	0	0	0	0	0	0	0	0	1	1
52059617AF	TANK	2007	0	0	0	0	0	0	0	2	0	0	0	1	3
52059617AF	TANK	2008	0	0	0	0	0	0	0	1	0	2	0	1	4
52059617AE	TANK	2007	0	2	1	1	2	0	2	0	1	0	2	1	12
52059617AE	TANK	2006	0	1	2	4	3	0	1	2	2	3	2	2	22
52059617AE	TANK	2005	3	2	3	3	5	8	7	7	15	11	10	8	82
52059617AG	TANK	2006	2	11	10	12	6	16	8	26	8	18	16	9	142
52059617AG	TANK	2007	11	19	20	10	11	14	15	13	15	15	25	18	186
52059617AG	TANK	2008	19	30	35	28	19	11	13	22	18	21	23	22	261
52059617AG	TANK	2009	40	28	35	36	18	17	18	23	8	21	14	29	287
Totals			103	111	140	131	93	85	90	114	83	91	92	92	1,225

Byron E. Freshwater
 NAO Warranty Manager
 Inergy Automotive Systems
 Direct Line = (248) 743-5833
 Cell Phone = (248) 321-2059
 2710 Bellingham, Suite 400
 Troy, Michigan 48084

PE10-032

CHRYSLER

10-13-2010,

Enclosure 14 - Owner's

Manual (Fuel

Requirements)

2007 JK Owner Manual

Fuel Requirements

Under-inflation also reduces fuel efficiency and tire tread life, and may affect the vehicle's handling and stopping ability.

- The TPMS is not a substitute for proper tire maintenance, and it is the driver's responsibility to maintain correct tire pressure, even if under-inflation has not reached the level to trigger illumination of the "Tire Pressure Monitoring Telltale Light."

General Information

This device complies with part 15 of the FCC rules and RSS 210 of Industry Canada. Operation is subject to the following conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

The tire pressure sensors are covered under one of the following licenses:

United States	KR5S120123
Canada	2671-S120123

FUEL REQUIREMENTS



Your engine is designed to meet all emissions regulations and provide excellent fuel economy and performance when using high quality unleaded gasoline having an octane rating of 87. The use of premium gasoline is not recommended. The use of premium gasoline will provide no benefit over high quality regular gasoline, and in some circumstances may result in poorer performance.

Light spark knock at low engine speeds is not harmful to your engine. However, continued heavy spark knock at high speeds can cause damage and immediate service is required.

Poor quality gasoline can cause problems such as hard starting, stalling and hesitations. If you experience these symptoms, try another brand of gasoline before considering service for the vehicle.

Over 40 auto manufacturer's world wide have issued and endorsed consistent gasoline specifications (the World-wide Fuel Charter, WWFC) to define fuel properties necessary to deliver enhanced emissions, performance, and durability for your vehicle. The manufacturer recommends the use of gasoline that meets the WWFC specifications if they are available.

Reformulated Gasoline

Many areas of the country require the use of cleaner burning gasoline referred to as "Reformulated Gasoline."

Reformulated gasolines contains oxygenates, and are specifically blended to reduce vehicle emissions and improve air quality.

The manufacturer strongly supports the use of reformulated gasolines. Properly blended reformulated gasolines will provide excellent performance and durability for the engine and fuel system components.

Gasoline/Oxygenate Blends

Some fuel suppliers blend unleaded gasoline with oxygenates such as 10% ethanol, MTBE, and ETBE. Oxygenates are required in some areas of the country during the winter months to reduce carbon monoxide emissions. Fuels blended with these oxygenates may be used in your vehicle.

CAUTION!

DO NOT use gasolines containing Methanol or E85 Ethanol. Use of these blends may result in starting and driveability problems and may damage critical fuel system components.

Problems that result from using methanol/gasoline or E85 Ethanol blends are not the responsibility of the manufacturer. While MTBE is an oxygenate made from Methanol, it does not have the negative effects of Methanol.

MMT In Gasoline

MMT is a manganese containing metallic additive that is blended into some gasoline to increase the octane number. Gasolines blended with MMT offer no performance advantage beyond gasolines of the same octane number without MMT. Gasolines blended with MMT have shown

to reduce spark plug life and reduce emission system performance in some vehicles. The manufacturer recommends using gasolines without MMT. Since the MMT content of gasoline may not be indicated on the pump, you should ask your gasoline retailer whether or not his/her gasoline contains MMT.

It is even more important to look for gasolines without MMT in Canada, because MMT can be used at levels higher than those allowed in the United States.

MMT is prohibited in Federal and California reformulated gasolines.

Materials Added To Fuel

All gasoline sold in the United States is required to contain effective detergent additives. Use of additional detergents or other additives are not needed under normal conditions and would result in additional cost. Therefore you should not have to add anything to the fuel.

Fuel System Cautions

CAUTION!

Follow these guidelines to maintain your vehicle's performance:

- The use of leaded gasoline is prohibited by Federal law. Using leaded gasoline can impair engine performance, damage the emission control system.
- An out-of-tune engine, or certain fuel or ignition malfunctions, can cause the catalytic converter to overheat. If you notice a pungent burning odor or some light smoke, your engine may be out of tune or malfunctioning and may require immediate service. Contact your dealer for service assistance.
- The use of fuel additives which are now being sold as octane enhancers is not recommended. Most of these

products contain high concentrations of methanol. Fuel system damage or vehicle performance problems resulting from the use of such fuels or additives is not the responsibility of the manufacturer.

NOTE: Intentional tampering with emissions control systems can result in civil penalties being assessed against you.

Carbon Monoxide Warnings

WARNING!

Carbon monoxide (CO) in exhaust gases is deadly. Follow the precautions below to prevent carbon monoxide poisoning:

- Do not inhale exhaust gases. They contain carbon monoxide, a colorless and odorless gas which can kill. Never run the engine in a closed area, such as a

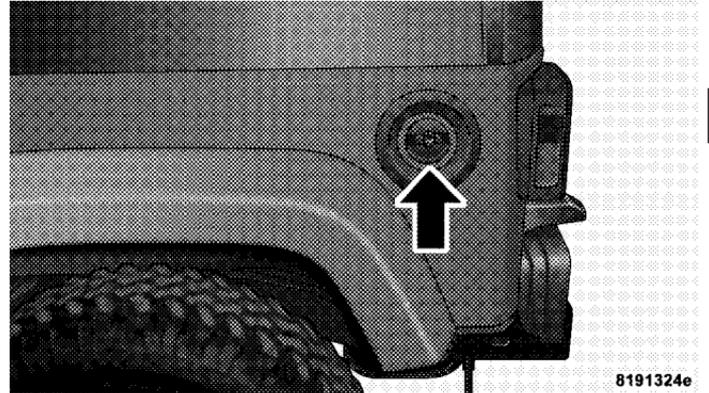
garage, and never sit in a parked vehicle with the engine running for an extended period. If the vehicle is stopped in an open area with the engine running for more than a short period, adjust the ventilation system to force fresh, outside air into the vehicle.

- Guard against carbon monoxide with proper maintenance. Have the exhaust system inspected every time the vehicle is raised. Have any abnormal conditions repaired promptly. Until repaired, drive with all side windows fully open.
- Keep the swing gate closed when driving your vehicle to prevent carbon monoxide and other poisonous exhaust gases from entering the vehicle.

ADDING FUEL

Fuel Filler Cap (Gas Cap)

The gas cap is located on the driver's side of the vehicle. If the gas cap is lost or damaged, be sure the replacement cap is for use with this vehicle.



8191324e

Fuel Filler Cap

CAUTION!

Damage to the fuel system or emission control system could result from using an improper fuel cap (gas cap). A poorly fitting cap could let impurities into the fuel system. Also, a poorly fitting after-market cap can cause the MIL (Malfunction Indicator Light) to illuminate, due to fuel vapors escaping from the system.

CAUTION!

A poorly fitting gas cap may cause the Malfunction Indicator Light to turn on.

CAUTION!

To avoid fuel spillage and overfilling, do not “top off” the fuel tank after filling.

NOTE: When the fuel nozzle “clicks” or shuts off, the fuel tank is full.

WARNING!

- Never have any smoking materials lit in or near the vehicle when the gas cap is removed or the tank filled.
- Never add fuel when the engine is running. This is in violation of most state and federal fire regulations and will cause the malfunction indicator light to turn on.

NOTE: Tighten the gas cap about 1/4 turn until you hear one click. This is an indication that cap is properly tightened.

If the gas cap is not tighten properly, the Malfunction Indicator Light will come on. Be sure the gas cap is tightened every time the vehicle is refueled.

WARNING!

A fire may result if gasoline is pumped into a portable container that is inside of a vehicle. You could be burned. Always place gas containers on the ground while filling.

CAUTION!

Damage to the fuel system or emission control system could result from using an improper fuel tank filler cap (gas cap). A poorly fitting cap could let impurities into the fuel system.

WARNING!

- Never add fuel when the engine is running.
- Never have any smoking materials lit in or near the vehicle when the fuel cap is removed or the tank filled.