

**EA03-004**

**FORD 8/27/03**

**ATTACHMENT J**

**BOOK 2 OF 3**

**PART 4 OF 4**



SERVICE PART: F582- 1107-A BOLT REAR WHEEL HUB  
 RECEIVING LOCATION: DEMAND GROUP:  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		07	1999	10	8		
		06	1999	74	58		
		05	1999	79	57		
		04	1999	68	57		
		03	1999	86	62		
		02	1999	53	43		
		01	1999	56	48		
		12	1998	112	51		
		11	1998	77	54		
		10	1998	80	67		
		09	1998	42	40		
		08	1998	61	53		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

SERVICE PART: F58Z- 1107-A BOLT REAR WHEEL HUB  
 RECEIVING LOCATION: DEMAND GROUP:  
 BACKCAST: Y Sdi:

MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
08	1998	61	53		
07	1998	59	49		
06	1998	52	41		
05	1998	48	35		
04	1998	87	66		
03	1998	51	47		
02	1998	56	44		
01	1998	50	48		
12	1997	87	45		
11	1997	42	40		
10	1997	83	67		
09	1997	58	52		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

SERVICE PART: F58Z- 1107-A BOLT REAR WHEEL HUB  
 RECEIVING LOCATION: DEMAND GROUP:  
 BACKCAST: Y Scl:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		09	1997	58	52		
		08	1997	56	49		
		07	1997	101	70		
		06	1997	50	44		
		05	1997	35	30		
		04	1997	54	43		
		03	1997	39	37		
		02	1997	46	40		
		01	1997	33	32		
		12	1996	22	21		
		11	1996	55	48		
		10	1996	26	25		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 MORE RECORDS AVAILABLE

FD03034

SERVICE PART: F58E- 1107-A BOLT REAR WHEEL HUB  
 RECEIVING LOCATION: DEMAND GROUP:   
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		10	1996	26	25		
		09	1996	48	35		
		08	1996	30	27		
		07	1996	50	29		

F1=Help F4=FirstRecLoc F5=FacingRecLoc  
 NO MORE RECORDS AVAILABLE

FD03034

SERVICE PART: F3DZ- 1107-A BOLT-RR WHL HUB  
 RECEIVING LOCATION: DEMAND GROUP: \_\_\_\_\_  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		07	1999	0	0		
		06	1999	0	0		
		05	1999	0	0		
		04	1999	0	0		
		03	1999	0	0		
		02	1999	0	0		
		01	1999	0	0		
		12	1998	0	0		
		11	1998	0	0		
		10	1998	30	28		
		09	1998	79	72		
		08	1998	68	56		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

SERVICE PART: F3DZ- 1107-A BOLT-RR WHL HUB  
 RECEIVING LOCATION: DEMAND GROUP:  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		08	1998	65	56		
		07	1998	72	62		
		06	1998	70	66		
		05	1998	80	78		
		04	1998	88	71		
		03	1998	58	56		
		02	1998	57	48		
		01	1998	52	49		
		12	1997	31	30		
		11	1997	42	40		
		10	1997	50	48		
		09	1997	51	38		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034



SERVICE PART: F3DE- 1107-A BOLT-RR WHL HUB  
 RECEIVING LOCATION: DEMAND GROUP:  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		09	1997	51	38		
		08	1997	55	54		
		07	1997	52	45		
		06	1997	68	50		
		05	1997	66	58		
		04	1997	58	48		
		03	1997	84	54		
		02	1997	47	41		
		01	1997	58	44		
		12	1996	36	35		
		11	1996	48	46		
		10	1996	72	63		

F1=Help F4=FirstRecLoc F5=FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

SERVICE PART: F3DZ- 1107-A BOLT-RR WHL HUB  
 RECEIVING LOCATION: DEMAND GROUP:  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		10	1996	72	63		
		09	1996	54	50		
		08	1996	61	60		
		07	1996	79	62		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 NO MORE RECORDS AVAILABLE

PD03034

SERVICE PART: F2DZ- 1107-A BOLT - WHEEL  
 RECEIVING LOCATION: DEMAND GROUP:  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		07	1999	0	0		
		06	1999	0	0		
		05	1999	0	0		
		04	1999	0	0		
		03	1999	0	0		
		02	1999	0	0		
		01	1999	0	0		
		12	1998	0	0		
		11	1998	0	0		
		10	1998	77	60		
		09	1998	183	159		
		08	1998	185	158		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

SERVICE PART: F2DE- 1107-A BOLT - WHEEL  
 RECEIVING LOCATION: DEMAND GROUP:  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		08	1998	185	158		
		07	1998	198	182		
		06	1998	189	165		
		05	1998	194	151		
		04	1998	250	194		
		03	1998	260	190		
		02	1998	384	276		
		01	1998	325	247		
		12	1997	271	220		
		11	1997	214	181		
		10	1997	254	214		
		09	1997	189	169		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

SERVICE PART: F2DZ- 1107-A BOLT - WHEEL  
 RECEIVING LOCATION: DEMAND GROUP:   
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		09	1997	189	169		
		08	1997	221	191		
		07	1997	246	208		
		06	1997	277	190		
		05	1997	237	193		
		04	1997	248	180		
		03	1997	259	166		
		02	1997	212	186		
		01	1997	304	224		
		12	1996	274	217		
		11	1996	273	231		
		10	1996	294	264		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

SERVICE PART: F2DE- 1107-A BOLT - WHEEL  
 RECEIVING LOCATION: DEMAND GROUP: \_\_\_\_\_  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		10	1996	294	264		
		09	1996	226	201		
		08	1996	285	238		
		07	1996	394	270		

F1=Help F4=FirstRecLoc F5=FacingRecLoc  
 NO MORE RECORDS AVAILABLE

FD03034

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SERVICE PART: F58Z- 1107-AA BOLT - WHEEL  
 RECEIVING LOCATION: DEMAND GROUP:   
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		07	1999	101	86		
		06	1999	494	284		
		05	1999	316	258		
		04	1999	378	243		
		03	1999	388	272		
		02	1999	344	229		
		01	1999	549	342		
		12	1998	565	275		
		11	1998	508	298		
		10	1998	531	347		
		09	1998	490	415		
		08	1998	439	369	F2DE- 1107-A	REPLACED

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

SERVICE PART: F58Z- 1107-AA BOLT - WHEEL  
 RECEIVING LOCATION: DEMAND GROUP:  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		08	1998	439	369	F2DE- 1107-A	REPLACED
		07	1998	482	419		
		06	1998	423	370		
		05	1998	421	324		
		04	1998	529	406		
		03	1998	485	360		
		02	1998	721	498		
		01	1998	592	454		
		12	1997	527	426		
		11	1997	560	381		
		10	1997	520	430		
		09	1997	373	333		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034



SERVICE PART: F58E- 1107-AA BOLT - WHEEL  
 RECEIVING LOCATION: DEMAND GROUP: \_\_\_\_\_  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		09	1997	373	333		
		08	1997	469	388		
		07	1997	490	417		
		06	1997	532	373		
		05	1997	481	358		
		04	1997	458	344		
		03	1997	509	314		
		02	1997	398	341		
		01	1997	573	402		
		12	1996	482	384		
		11	1996	483	405		
		10	1996	530	470		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

SERVICE PART: F58Z- 1107-AA BOLT - WHEEL  
 RECEIVING LOCATION: DEMAND GROUP:  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		10	1996	530	470		
		09	1996	397	356		
		08	1996	499	419		
		07	1996	660	462		

F1=Help F4=FirstRecLoc F5=FacingRecLoc  
 NO MORE RECORDS AVAILABLE

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SERVICE PART: F3DE- 1012-A NUT-WHEEL BOLT M12X1.5 - 6H TRD  
 RECEIVING LOCATION: DEMAND GROUP:   
 BACKCAST: Y Sd1:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		07	1999	346	258		
		06	1999	1465	1110		
		05	1999	1260	987		
		04	1999	1202	951		
		03	1999	1049	899		
		02	1999	1010	845		
		01	1999	940	726		
		12	1998	1035	866		
		11	1998	1043	811		
		10	1998	1120	893		
		09	1998	1071	863		
		08	1998	1110	904		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 MORE RECORDS AVAILABLE

FD03034

SERVICE PART: F3DZ- 1012-A NUT-WHEEL BOLT M12X1.5 - 6H TED  
 RECEIVING LOCATION: DEMAND GROUP:  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		08	1998	1110	904		
		07	1998	1273	950		
		06	1998	1311	956		
		05	1998	1026	773		
		04	1998	1103	830		
		03	1998	924	742		
		02	1998	840	662		
		01	1998	999	735		
		12	1997	840	639		
		11	1997	878	692		
		10	1997	1026	818		
		09	1997	1094	771		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

SERVICE PART: F3DZ- 1012-A NUT-WHEEL BOLT M12X1.5 - 6H THD  
 RECEIVING LOCATION: DEMAND GROUP:  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		09	1997	1094	771		
		08	1997	1135	815		
		07	1997	1058	848		
		06	1997	1036	804		
		05	1997	1069	736		
		04	1997	984	734		
		03	1997	1002	692		
		02	1997	801	612		
		01	1997	790	598		
		12	1996	712	568		
		11	1996	802	606		
		10	1996	901	681		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 MORE RECORDS AVAILABLE

FD03034

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SERVICE PART: F3DZ- 1012-A NUT-WHEEL BOLT M12X1.5 - 6H THD  
 RECEIVING LOCATION: DEMAND GROUP: \_\_\_\_\_  
 BACKCAST: Y Sdi: \_\_\_\_\_

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		10	1996	901	681		
		09	1996	806	636		
		08	1996	935	699		
		07	1996	771	573		

F1=Help F4=FirstRecLoc F5=FacingRecLoc  
 NO MORE RECORDS AVAILABLE

PD03034

SERVICE PART: 883E- 1012-A NUT-WHEEL BOLT 12MM BASE  
 RECEIVING LOCATION: \_\_\_\_\_ DEMAND GROUP: \_\_\_\_\_  
 BACKCAST: Y Sdi: \_\_\_\_\_

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		07	1999	207	118		
		06	1999	792	452		
		05	1999	758	431		
		04	1999	843	445		
		03	1999	734	419		
		02	1999	646	342		
		01	1999	634	309		
		12	1998	760	361		
		11	1998	649	391		
		10	1998	768	403		
		09	1998	754	418		
		08	1998	625	401		

F1=Help F4=FirstRecLoc F5=FacingRecLoc  
 MORE RECORDS AVAILABLE

FD03034

SERVICE PART: B83Z- 1012-A NUT-WHEEL BOLT 12MM BASE  
 RECEIVING LOCATION: DEMAND GROUP:  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		08	1998	625	401		
		07	1998	807	456		
		06	1998	607	361		
		05	1998	544	317		
		04	1998	611	372		
		03	1998	588	328		
		02	1998	514	312		
		01	1998	639	339		
		12	1997	629	334		
		11	1997	646	370		
		10	1997	903	474		
		09	1997	875	428		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034



SERVICE PART: 8832- 1012-A NUT-WHEEL BOLT 12MM BASE  
 RECEIVING LOCATION: \_\_\_\_\_ DEMAND GROUP: \_\_\_\_\_  
 BACKCAST: Y Sdi: \_\_\_\_\_

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		09	1997	875	428		
		08	1997	997	423		
		07	1997	866	500		
		06	1997	829	452		
		05	1997	812	428		
		04	1997	651	404		
		03	1997	756	373		
		02	1997	615	328		
		01	1997	565	348		
		12	1996	2209	434		
		11	1996	1175	526		
		10	1996	729	451		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

SERVICE PART: 883E- 1012-A NUT-WHEEL BOLT 12MM BASE  
 RECEIVING LOCATION: DEMAND GROUP:  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		10	1996	729	451		
		09	1996	724	434		
		08	1996	777	493		
		07	1996	746	461		

F1=Help F4=FirstRecLoc F5=FacingRecLoc  
 NO MORE RECORDS AVAILABLE

PD03034

SERVICE PART: E37Z- 1012-C NUT WHL BOLT (CAPPED)  
 RECEIVING LOCATION: DEMAND GROUP:   
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		07	1999	51	22		
		06	1999	192	94		
		05	1999	142	94		
		04	1999	159	93		
		03	1999	105	56		
		02	1999	134	52		
		01	1999	248	99	E63Z- 1012-A	REPLACED
		12	1998	220	59		
		11	1998	197	89		
		10	1998	79	50		
		09	1998	124	70		
		08	1998	76	51		

F1=Help F4=FirstRecLoc F5=FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

SERVICE PART: H3FZ- 1012-C NOT WHL BOLT (CAPPED)  
 RECEIVING LOCATION: DEMAND GROUP:  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		08	1998	76	51		
		07	1998	99	62		
		06	1998	73	56		
		05	1998	87	57		
		04	1998	142	81		
		03	1998	109	64		
		02	1998	65	48		
		01	1998	88	57		
		12	1997	111	67		
		11	1997	99	67		
		10	1997	178	94		
		09	1997	161	90		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

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SERVICE PART: E3FZ- 1012-C NUT WHL BOLT (CAPPED)  
 RECEIVING LOCATION: DEMAND GROUP:   
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		09	1997	161	90		
		08	1997	135	82		
		07	1997	195	100		
		06	1997	193	110		
		05	1997	110	81		
		04	1997	115	76		
		03	1997	167	92		
		02	1997	95	62		
		01	1997	133	83		
		12	1996	133	72		
		11	1996	234	109		
		10	1996	217	133		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 MORE RECORDS AVAILABLE

FD03034

SERVICE PART: R3FZ- 1012-C NUT WHL BOLT (CAPPED)  
 RECEIVING LOCATION: DEMAND GROUP:   
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		10	1996	217	133		
		09	1996	188	110		
		08	1996	356	144		
		07	1996	710	290		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 NO MORE RECORDS AVAILABLE

PD03034

**Dealer Name****Contact****Phone Number****Fax Number****Date:** 7/7/1999**Ford CPD Screen Print****Station ID:** SERVER

<b>Year</b>	1995	<b>Service Part</b>	F58Z 1007-A
<b>Model</b>	TW (Windstar)	<b>Eng / ID Number</b>	
<b>Expert Box</b>		<b>Part Name</b>	WHEEL ASY. APPLICATION CH
<b>Search Value</b>	WHEEL ASY		

<b>Section</b>	<b>Plate Number</b>
	P-30907
<b>Subsection</b>	<b>Status</b>
	Parts Displayed
<b>Illus Index</b>	<b>CD Catalog</b>

<b>Description</b>	<b>Group Name</b>
Type 32 - Cast aluminum - lacy spoke wheel - clearcoated	WHEEL ASY. APPLICATION CHART AND 1015

**More Info****Model / Restrictions**

15" x 6.0" - 5 holes - 4.25" bolt circle

**Notes**

When ordering wheels, please be aware that the casting number found on the wheel only crosses to the base number of the wheel. Wheels can have the same casting number but a different service number depending on finish and color differences.

95-97

SERVICE PART: F58Z- 1007-A WHEEL ASY - CAST ALUM 15X6  
 RECEIVING LOCATION: DEMAND GROUP:  
 VACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		07	1999	0	0		
		06	1999	0	0		
		05	1999	0	0		
		04	1999	0	0		
		03	1999	0	0		
		02	1999	0	0		
		01	1999	0	0		
		12	1998	0	0		
		11	1998	0	0		
		10	1998	0	0		
		09	1998	0	0		
		08	1998	0	0		

F1=Help F4=FirstRecLoc F5=FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034



SERVICE PART: F582- 1007-A WHEEL ASY - CAST ALUM 15X6  
 RECEIVING LOCATION: DEMAND GROUP:  
 ACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		08	1998	0	0		
		07	1998	7	4		
		06	1998	7	3		
		05	1998	1	1		
		04	1998	6	3		
		03	1998	2	2		
		02	1998	19	9		
		01	1998	39	32		
		12	1997	37	28		
		11	1997	69	45		
		10	1997	196	131		
		09	1997	409	233		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

SERVICE PART: F58Z- 1007-A WHEEL ASY - CAST ALUM 15X6  
 RECEIVING LOCATION: DEMAND GROUP:  
 ACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		09	1997	409	233		
		08	1997	471	255		
		07	1997	1024	331		
		06	1997	768	270		
		05	1997	456	280		
		04	1997	505	303		
		03	1997	565	311		
		02	1997	458	271		
		01	1997	468	336		
		12	1996	393	311		
		11	1996	498	325		
		10	1996	604	328		

F1=Help F4=FirstRecLoc F5=FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

SERVICE PART: F58Z- 1007-A WHEEL ASY - CAST ALUM 15X6  
 RECEIVING LOCATION: DEMAND GROUP:  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		10	1996	604	328		
		09	1996	512	372		
		08	1996	506	347		
		07	1996	501	352		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 NO MORE RECORDS AVAILABLE

FD03034

**Dealer Name****Contact****Phone Number****FAX Number****Date:** 7/7/1999**Ford CPD Screen Print****Station ID:** SERVER

<b>Year</b>	1998	<b>Service Part</b>	F88Z 1007-EA
<b>Model</b>	TW (Windstar)	<b>Eng / ID Number</b>	
<b>Expert Box</b>		<b>Part Name</b>	WHEEL ASY. APPLICATION CH
<b>Search Value</b>	WHEEL ASY		

<b>Section</b>		<b>Plate Number</b>	P-30907
<b>Subsection</b>		<b>Status</b>	Parts Displayed
<b>Illus Index</b>		<b>CD Catalog</b>	

<b>Description</b>	<b>Group Name</b>
Type 32 - Cast aluminum - lacey spoke wheel - clearcoated	WHEEL ASY. APPLICATION CHART AND 1015

<b>More Info</b>	<b>Model / Restrictions</b>
	15" x 6.0" 5 holes - 4.25 bolt circle

**Notes**

When ordering wheels, please be aware that the casting number found on the wheel only crosses to the base number of the wheel. Wheels can have the same casting number but a different service number depending on finish and color differences.

97

SERVICE PART: F88Z- 1007-BA WHEEL ASY  
 RECEIVING LOCATION: DEMAND GROUP: \_\_\_\_\_  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		07	1999	40	28		
		06	1999	160	117		
		05	1999	129	97		
		04	1999	181	125		
		03	1999	195	147		
		02	1999	165	127		
		01	1999	213	169		
		12	1998	192	154		
		11	1998	174	139		
		10	1998	266	185		
		09	1998	249	161		
		08	1998	312	188		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

SERVICE PART: F88Z- 1007-BA WHEEL ASY  
 RECEIVING LOCATION: DEMAND GROUP:  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		08	1998	312	188		
		07	1998	341	210		
		06	1998	387	228		
		05	1998	328	207		
		04	1998	404	229		
		03	1998	308	212		
		02	1998	307	191		
		01	1998	271	230		
		12	1997	279	211		
		11	1997	289	217		
		10	1997	372	237	F58Z- 1007-A	REPLACED
		09	1997	513	236		

F1=Help F4=FirstRecLoc F5=FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

SERVICE PART: P88Z- 1007-EA WHEEL ASY  
 RECEIVING LOCATION: DEMAND GROUP:  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		09	1997	513	236		
		08	1997	791	258		
		07	1997	1024	331		
		06	1997	768	270		
		05	1997	456	280		
		04	1997	505	303		
		03	1997	565	311		
		02	1997	458	271		
		01	1997	468	336		
		12	1996	393	311		
		11	1996	498	325		
		10	1996	604	328		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

SERVICE PART: F882- 1007-EA WHEEL ASY  
 RECEIVING LOCATION: DEMAND GROUP: \_\_\_\_\_  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		10	1996	604	328		
		09	1996	512	372		
		08	1996	506	347		
		07	1996	501	352		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 NO MORE RECORDS AVAILABLE

PD03034



**Dealer Name****Contact****Phone Number****Fax Number****Date:** 7/7/1999**Ford CPD Screen Print****Station ID:** SERVER

<b>Year</b>	1995	<b>Service Part</b>	F582 1015-A
<b>Model</b>	TW (Windstar)	<b>Eng / ID Number</b>	
<b>Expert Box</b>		<b>Part Name</b>	WHEEL ASY. APPLICATION CH
<b>Search Value</b>	WHEEL ASY		

<b>Section</b>		<b>Plate Number</b>	P-30907
<b>Subsection</b>		<b>Status</b>	Parts Displayed
<b>Illus Index</b>		<b>CD Catalog</b>	

<b>Description</b>	Type 33 - Steel road wheels - also conventional space	<b>Group Name</b>	WHEEL ASY. APPLICATION CHART AND 1015
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<b>More Info</b>	<b>Model / Restrictions</b>
	15" x 5.5" - 5 holes - 4.25" bolt circle

**Notes**

When ordering wheels, please be aware that the casting number found on the wheel only crosses to the base number of the wheel. Wheels can have the same casting number but a different service number depending on finish and color differences.

95-98

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SERVICE PART: F58Z- 1015-A DISC & RIM ASY-WHL 15X5.5  
 RECEIVING LOCATION: \_\_\_\_\_ DEMAND GROUP: \_\_\_\_\_  
 BACKCAST: Y Sdi: \_\_\_\_\_

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		07	1999	133	102		
		06	1999	563	444		
		05	1999	430	360		
		04	1999	441	366		
		03	1999	502	413		
		02	1999	493	400		
		01	1999	602	475		
		12	1998	1168	477		
		11	1998	896	430		
		10	1998	773	509		
		09	1998	578	466		
		08	1998	590	478		

F1=Help F4=FirstRecLoc F5=FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

SERVICE PART: F58Z- 1015-A DISC & RIM ASY-WHL 15X5.5  
 RECEIVING LOCATION: \_\_\_\_\_ DEMAND GROUP: \_\_\_\_\_  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		08	1998	590	478		
		07	1998	616	514		
		06	1998	552	478		
		05	1998	390	330		
		04	1998	423	361		
		03	1998	443	376		
		02	1998	372	326		
		01	1998	587	475		
		12	1997	534	409		
		11	1997	516	403		
		10	1997	509	405		
		09	1997	459	353		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

SERVICE PART: F582- 1015-A DISC & RIM ASY-WHL 15X5.5  
 RECEIVING LOCATION: DEMAND GROUP:  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		09	1997	459	353		
		08	1997	948	380		
		07	1997	453	398		
		06	1997	411	346		
		05	1997	388	326		
		04	1997	361	303		
		03	1997	408	345		
		02	1997	413	349		
		01	1997	726	425		
		12	1996	1194	403		
		11	1996	843	382		
		10	1996	1297	452		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

SERVICE PART: F582- 1015-A DISC & RIM ASY-WHL 15X5.5  
 RECEIVING LOCATION: DEMAND GROUP:  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		10	1996	1297	452		
		09	1996	362	315		
		08	1996	467	384		
		07	1996	446	373		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 NO MORE RECORDS AVAILABLE

FD03034

Dealer Name	Contact	Phone Number	FAX Number
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Date: 7/7/1999

Ford CPD Screen Print

Station ID: SERVER

Year	1998	Service Part	F88Z 1007-BA
Model	TW (Windstar)	Eng / ID Number	
Expert Box		Part Name	WHEEL ASY. APPLICATION CH
Search Value	WHEEL ASY		

Section		Plate Number	
Subsection		P-30907	
Illus Index		Status	
		Parts Displayed	
		CD Catalog	

Description	Type 32 - Cast aluminum - lacey spoke wheel - prairie tan painted inserts	Group Name	WHEEL ASY. APPLICATION CHART AND 1015
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More Info		Model / Restrictions	15"x6.0" - 5 holes - 4.25" bolt circle
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Notes	<p>When ordering wheels, please be aware that the casting number found on the wheel only crosses to the base number of the wheel. Wheels can have the same casting number but a different service number depending on finish and color differences.</p>	98	
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SERVICE PART: F88Z-  
 RECEIVING LOCATION:  
 BACKCAST: Y

1007-BA

WHEEL ASY  
 DEMAND GROUP:  
 Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		07	1999	2	2		
		06	1999	17	10		
		05	1999	13	13		
		04	1999	14	10		
		03	1999	12	11		
		02	1999	10	9		
		01	1999	14	14		
		12	1998	17	17		
		11	1998	13	12		
		10	1998	8	8		
		09	1998	16	12		
		08	1998	22	17		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 MORE RECORDS AVAILABLE

FD03034

SERVICE PART: F882- 1007-BA WHEEL ASY  
 RECEIVING LOCATION: DEMAND GROUP:  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		08	1998	22	17		
		07	1998	18	13		
		06	1998	22	15		
		05	1998	19	10		
		04	1998	22	13		
		03	1998	34	18		
		02	1998	14	11		
		01	1998	27	20		
		12	1997	22	13		
		11	1997	11	8		
		10	1997	71	47		
		09	1997	14	14		

F1=Help F4=FirstRecLoc F5=FacingRecLoc  
 MORE RECORDS AVAILABLE

ED03034



SERVICE PART: F88Z- 1007-BA WHEEL ASY  
 RECEIVING LOCATION: DEMAND GROUP:  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		09	1997	14	14		
		08	1997	1	1		
		07	1997	1	1		
		06	1997	0	0		
		05	1997	0	0		
		04	1997	0	0		
		03	1997	0	0		
		02	1997	0	0		
		01	1997	0	0		
		12	1996	0	0		
		11	1996	0	0		
		10	1996	0	0		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

Dealer Name

Contact

Phone Number

Fax Number

Date: 7/7/1999

Ford CPD Screen Print

Station ID: SERVER

Year	1996	Service Part	F4DZ 1D07-F
Model	TW (Windstar)	Eng / ID Number	
Expert Box		Part Name	WHEEL ASY. APPLICATION CH
Search Value	WHEEL ASY		

Section	Plate Number
Subsection	P-30907
Illus Index	Status
	Parts Displayed
	CD Catalog

Description	Group Name
Type 34 - Spare wheel - and conventional steel road wheel	WHEEL ASY. APPLICATION CHART AND 1015

More Info	Model / Restrictions
	15" x 6.0" - 5 holes - 4.25" bolt circle

**Notes**

When ordering wheels, please be aware that the casting number found on the wheel only crosses to the base number of the wheel. Wheels can have the same casting number but a different service number depending on finish and color differences.

95-9

SERVICE PART: F4DE- 1007-F WHEEL ASY  
 RECEIVING LOCATION: DEMAND GROUP:  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		07	1999	105	84		
		06	1999	377	299		
		05	1999	372	302		
		04	1999	391	316		
		03	1999	412	290		
		02	1999	338	206		
		01	1999	334	269		
		12	1998	330	239		
		11	1998	314	243		
		10	1998	331	251		
		09	1998	315	257		
		08	1998	371	264		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

SERVICE PART: F4DZ- 1007-F WHEEL ASY  
 RECEIVING LOCATION: DEMAND GROUP: \_\_\_\_\_  
 BACKCAST: Y Sdi: \_\_\_\_\_

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		08	1998	371	264		
		07	1998	376	309		
		06	1998	364	311		
		05	1998	340	282		
		04	1998	365	279		
		03	1998	431	347		
		02	1998	400	314		
		01	1998	485	399		
		12	1997	455	353	F4DZ- 1007-C	REPLACED
		11	1997	435	349		
		10	1997	569	374		
		09	1997	414	352		

F1=Help F4=FirstRecLoc F5=FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

SERVICE PART: F4DZ- 1007-F WHEEL ASY  
 RECEIVING LOCATION: DEMAND GROUP:   
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		09	1997	414	352		
		08	1997	451	369		
		07	1997	494	408		
		06	1997	492	387		
		05	1997	474	370		
		04	1997	510	406		
		03	1997	527	422		
		02	1997	465	393		
		01	1997	766	536		
		12	1996	726	497		
		11	1996	691	480		
		10	1996	742	545		

F1=Help F4=FirstRecLoc F5=FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

SERVICE PART: F4DE- 1007-F WHEEL ASY  
 RECEIVING LOCATION: DEMAND GROUP:  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		10	1996	742	545		
		09	1996	586	456		
		08	1996	587	457		
		07	1996	601	481		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 NO MORE RECORDS AVAILABLE

PD03034

Dealer Name	Contact	Phone Number	Fax Number
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Date: 7/7/1999

Ford CPD Screen Print

Station ID: SERVER

Year	1998	Service Part	F8EZ 1007-AA
Model	TW (Windstar)	Eng / ID Number	
Expert Box		Part Name	WHEEL ASY: APPLICATION CH
Search Value	WHEEL ASY		

Section		Plate Number	
Subsection		P-30907	
Illus Index		Status	
		Parts Displayed	
		CD Catalog	

Description	Type 56 - Cast aluminum sunburst wheel - LX Gold Appearance Package	Group Name	WHEEL ASY: APPLICATION CHART AND 1015
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More Info	Model / Restrictions
	15"x6.0" - 5 holes - 4.25" bolt circle

**Notes**

When ordering wheels, please be aware that the casting number found on the wheel only crosses to the base number of the wheel. Wheels can have the same casting number but a different service number depending on finish and color differences.

98

SERVICE PART: F88Z- 1007-AA WHEEL ASY  
 RECEIVING LOCATION: DEMAND GROUP:   
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		07	1999	0	0		
		06	1999	10	7		
		05	1999	3	3		
		04	1999	7	3		
		03	1999	2	2		
		02	1999	8	6		
		01	1999	11	11		
		12	1998	12	12		
		11	1998	15	11		
		10	1998	7	7		
		09	1998	20	14		
		08	1998	37	21		

F1=Help F4=FirstRecLoc F5=FacingRecLoc  
 MORE RECORDS AVAILABLE

FD03034



SERVICE PART: F88E- 1007-AA WHEEL ASY  
 RECEIVING LOCATION: DEMAND GROUP:   
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		08	1998	37	21		
		07	1998	36	22		
		06	1998	22	21		
		05	1998	37	24		
		04	1998	75	41		
		03	1998	25	23		
		02	1998	47	19		
		01	1998	6	6		
		12	1997	8	5		
		11	1997	7	4		
		10	1997	12	7		
		09	1997	2	2		

F1=Help F4=FirstRecLoc F5=FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

SERVICE PART: F88Z- 1007-AA WHEEL ASY  
 RECEIVING LOCATION: DEMAND GROUP:  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		09	1997	2	2		
		08	1997	0	0		
		07	1997	0	0		
		06	1997	0	0		
		05	1997	0	0		
		04	1997	0	0		
		03	1997	0	0		
		02	1997	0	0		
		01	1997	0	0		
		12	1996	0	0		
		11	1996	0	0		
		10	1996	0	0		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

Dealer Name	Contact	Phone Number	Fax Number
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Date: 7/7/1999

Ford CPD Screen Print

Station ID: SERVER

Year	1998	Service Part	F78Z 1007-DA
Model	TW (Windstar)	Eng / ID Number	
Expert Box		Part Name	WHEEL ASY. APPLICATION CH
Search Value	WHEEL ASY		

Section		Plate Number	P-30907
Subsection		Status	
Illus Index		Parts Displayed	
		CD Catalog	

Description	Group Name
Type 54 - Cast aluminum	WHEEL ASY. APPLICATION CHART AND 1015

More Info	Model / Restrictions
	16"x6.0" - 5 holes - 4.25" bolt circle

**Notes**  
 When ordering wheels, please be aware that the casting number found on the wheel only crosses to the base number of the wheel. Wheels can have the same casting number but a different service number depending on finish and color differences.

98

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SERVICE PART: F78Z- 1007-DA WHEEL ASY  
 RECEIVING LOCATION: DEMAND GROUP:  
 BACKCAST: Y Sdi:

A						
C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
	07	1999	7	7		
	06	1999	20	16		
	05	1999	4	4		
	04	1999	13	9		
	03	1999	15	13		
	02	1999	14	13		
	01	1999	14	13		
	12	1998	31	24		
	11	1998	25	17		
	10	1998	22	19		
	09	1998	21	15		
	08	1998	25	21		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 MORE RECORDS AVAILABLE

FD03034

SERVICE PART: F78Z- 1007-DA WHEEL ASY  
 RECEIVING LOCATION: DEMAND GROUP:   
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		08	1998	25	21		
		07	1998	53	34		
		06	1998	18	17		
		05	1998	33	25		
		04	1998	29	22		
		03	1998	48	27		
		02	1998	26	22		
		01	1998	21	17		
		12	1997	17	14		
		11	1997	22	16		
		10	1997	37	29		
		09	1997	27	16		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

SERVICE PART: F78Z- 1007-DA WHEEL ASY  
 RECEIVING LOCATION: DEMAND GROUP:  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		09	1997	27	16		
		08	1997	23	20		
		07	1997	26	22		
		06	1997	22	18		
		05	1997	26	25		
		04	1997	17	16		
		03	1997	19	13		
		02	1997	10	8		
		01	1997	6	3		
		12	1996	0	0		
		11	1996	0	0		
		10	1996	0	0		

F1=Help F4=FirstRecLoc F5=FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

SERVICE PART: P78Z- 1007-DA WHEEL ASY  
 RECEIVING LOCATION: DEMAND GROUP: \_\_\_\_\_  
 BACKCAST: Y Sdi: \_\_\_\_\_

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		10	1996	0	0		
		09	1996	0	0		
		08	1996	0	0		
		07	1996	0	0		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 NO MORE RECORDS AVAILABLE

FD03034

Dealer Name Contact Phone Number Fax Number

Date: 7/7/1999

Ford CPD Screen Print

Station ID: SERVER

Year 1998 Service Part F88Z 1007-CA  
Model TW (Windstar) Eng / ID Number  
Expert Box Part Name WHEEL ASY. APPLICATION CH  
Search Value WHEEL ASY

Section Plate Number  
P-30907  
Subsection Status  
Parts Displayed  
Illus Index CD Catalog

Description Type 54 - Cast aluminum - gold painted  
inserts Group Name WHEEL ASY. APPLICATION CHART AND  
1015

More Info Model / Restrictions  
16"x6.0" - 5 holes - 4.25" bolt circle

Notes

When ordering wheels, please be aware that the casting number found on the wheel only crosses to the base number of the wheel. Wheels can have the same casting number but a different service number depending on finish and color differences.

98



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SERVICE PART: F88Z- 1007-CA WHEEL ASY  
 RECEIVING LOCATION: DEMAND GROUP:  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		07	1999	0	0		
		06	1999	10	7		
		05	1999	6	4		
		04	1999	3	3		
		03	1999	7	6		
		02	1999	11	7		
		01	1999	6	5		
		12	1998	7	4		
		11	1998	6	6		
		10	1998	3	3		
		09	1998	9	6		
		08	1998	7	6		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

SERVICE PART: 988Z- 1007-CA WHEEL ASY  
 RECEIVING LOCATION: DEMAND GROUP:  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		08	1998	7	6		
		07	1998	15	14		
		06	1998	13	10		
		05	1998	16	14		
		04	1998	14	13		
		03	1998	9	6		
		02	1998	13	10		
		01	1998	7	7		
		12	1997	3	3		
		11	1997	10	4		
		10	1997	3	3		
		09	1997	1	1		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

SERVICE PART: F88Z- 1007-CA WHEEL ASY  
 RECEIVING LOCATION: DEMAND GROUP:  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		09	1997	1	1		
		08	1997	0	0		
		07	1997	1	1		
		06	1997	0	0		
		05	1997	0	0		
		04	1997	0	0		
		03	1997	0	0		
		02	1997	0	0		
		01	1997	0	0		
		12	1996	0	0		
		11	1996	0	0		
		10	1996	0	0		

F1=Help F4=FirstRecLoc F5=FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

**Dealer Name****Contact****Phone Number****Fax Number****Date:** 7/7/1999**Ford CPD Screen Print****Station ID:** SERVER

<b>Year</b>	1998	<b>Service Part</b>	P3&Z 1007-DA
<b>Model</b>	TW (Windstar)	<b>Eng / ID Number</b>	
<b>Expert Box</b>		<b>Part Name</b>	WHEEL ASY. APPLICATION CH
<b>Search Value</b>	WHEEL ASY		

<b>Section</b>		<b>Plate Number</b>	P-30907
<b>Subsection</b>		<b>Status</b>	Parts Displayed
<b>Illus Index</b>		<b>CD Catalog</b>	

**Description**  
 Type 56 - Cast Aluminum sunburst wheel -  
 clearcoated

**Group Name**  
 WHEEL ASY. APPLICATION CHART AND  
 1015

**More Info**

**Model / Restrictions**  
 15"x 6" - 5 holes - 4.25" bolt circle

**Notes**

When ordering wheels, please be aware that the casting number found on the wheel only crosses to the base number of the wheel. Wheels can have the same casting number but a different service number depending on finish and color differences.

98-1

SERVICE PART: F88Z- 1007-DA WHEEL ASY  
 RECEIVING LOCATION: DEMAND GROUP:  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		07	1999	71	38		
		06	1999	317	209		
		05	1999	274	174		
		04	1999	244	160		
		03	1999	223	165		
		02	1999	185	167		
		01	1999	217	180		
		12	1998	228	173		
		11	1998	196	156		
		10	1998	213	154		
		09	1998	268	191		
		08	1998	241	160		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

SERVICE PART: F88Z- 1007-DA WHEEL ASY  
 RECEIVING LOCATION: DEMAND GROUP: ---  
 ACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		08	1998	241	160		
		07	1998	262	168		
		06	1998	235	165		
		05	1998	203	127		
		04	1998	279	151		
		03	1998	152	121		
		02	1998	122	96		
		01	1998	155	117		
		12	1997	160	123		
		11	1997	142	115		
		10	1997	186	130		
		09	1997	204	91	F78Z- 1007-BA	REPLACED

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

SERVICE PART: F88Z- 1007-DA WHEEL ASY  
 RECEIVING LOCATION: DEMAND GROUP:   
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		09	1997	204	91	F78Z- 1007-BA	REPLACED
		08	1997	119	91		
		07	1997	160	96		
		06	1997	84	71		
		05	1997	112	88		
		04	1997	58	38		
		03	1997	92	45		
		02	1997	24	18		
		01	1997	21	2		
		12	1996	3	1		
		11	1996	0	0		
		10	1996	0	0		

F1=Help F4=FirstRecLoc F5=FacingRecLoc  
 MORE RECORDS AVAILABLE

PDQ3034

SERVICE PART: F88Z- 1007-DA WHEEL ASY  
 RECEIVING LOCATION: DEMAND GROUP:  
 BACKCAST: Y SSI:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		10	1996	0	0		
		09	1996	0	0		
		08	1996	0	0		
		07	1996	0	0		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 NO MORE RECORDS AVAILABLE

PD03034



Dealer Name

CONVEY

Phone Number

Fax Number

Date: 7/7/1999

Ford CPD Screen Print

Station ID: SERVER

Year	1999	Service Part	XF2Z 1007-EB
Model	TW (Windstar)	Eng / ID Number	
Expert Box		Part Name	WHEEL ASY. APPLICATION CH
Search Value	WHEEL		

Section		Plate Number	F-30907
Subsection		Status	
Illus Index		Parts Displayed	
		CD Catalog	

Description	Group Name
Type 72 - Cast Aluminum - 5 spoke - argent - bright machined finish	WHEEL ASY. APPLICATION CHART AND 1015

More Info	Model / Restrictions
	16"x 6.5" - 5 holes

**Notes**

When ordering wheels, please be aware that the casting number found on the wheel only crosses to the base number of the wheel. Wheels can have the same casting number but a different service number depending on finish and color differences.

99

SERVICE PART: IF2E- 1007-EB WHEEL ASY  
 RECEIVING LOCATION: \_\_\_\_\_ DEMAND GROUP: \_\_\_\_\_  
 BACKCAST: Y Sdi: \_\_\_\_\_

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		07	1999	19	15		
		06	1999	58	37		
		05	1999	29	24		
		04	1999	44	31		
		03	1999	48	32		
		02	1999	13	13		
		01	1999	20	13		
		12	1998	19	15		
		11	1998	1	1		
		10	1998	0	0		
		09	1998	0	0		
		08	1998	0	0		

F1=Help F4=FirstRecLoc F5=FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

SERVICE PART: XF2E- 1007-EE WHEEL ASY  
 RECEIVING LOCATION: DEMAND GROUP:  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		08	1998	0	0		
		07	1998	0	0		
		06	1998	10	2		
		05	1998	0	0		
		04	1998	0	0		
		03	1998	0	0		
		02	1998	0	0		
		01	1998	0	0		
		12	1997	0	0		
		11	1997	0	0		
		10	1997	0	0		
		09	1997	0	0		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

**Dealer Name****Contact****Phone Number****Fax Number**

Date: 7/7/1999

Ford CPD Screen Print

Station ID: SERVER

<b>Year</b>	1999	<b>Service Part</b>	XF2Z 1007-CB
<b>Model</b>	TW (Windstar)	<b>Eng / ID Number</b>	
<b>Expert Box</b>		<b>Part Name</b>	WHEEL ASY. APPLICATION CH
<b>Search Value</b>	WHEEL		

<b>Section</b>		<b>Plate Number</b>	P-30907
<b>Subsection</b>		<b>Status</b>	Parts Displayed
<b>Illus Index</b>		<b>CD Catalog</b>	

**Description**  
Type 73 - 11 spoke Cast Aluminum -  
sparkle silver

**Group Name**  
WHEEL ASY. APPLICATION CHART AND  
1015

**More Info**

**Model / Restrictions**  
15"x 6.5" - 5 holes

**Notes**

When ordering wheels, please be  
sure that the casting number found  
on the wheel only crosses to the  
base number of the wheel. Wheels  
can have the same casting number  
but a different service number  
depending on finish and color  
differences.

99

SERVICE PART: KP22- 1007-CB WHEEL ASY  
 RECEIVING LOCATION: DEMAND GROUP:  
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		07	1999	39	34		
		06	1999	131	103		
		05	1999	107	85		
		04	1999	142	112		
		03	1999	130	101		
		02	1999	132	87		
		01	1999	128	97		
		12	1998	116	72		
		11	1998	38	27		
		10	1998	21	18		
		09	1998	0	0		
		08	1998	4	1		

F1=Help F4=FirstRecLoc F5=FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

SERVICE PART: KF22- 1007-CB WHEEL ASY  
 RECEIVING LOCATION: DEMAND GROUP:   
 BACKCAST: Y Sdi:

A	C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
		08	1998	4	1		
		07	1998	0	0		
		06	1998	5	1		
		05	1998	0	0		
		04	1998	0	0		
		03	1998	0	0		
		02	1998	0	0		
		01	1998	0	0		
		12	1997	0	0		
		11	1997	0	0		
		10	1997	0	0		
		09	1997	0	0		

F1-Help F4-FirstRecLoc F5-FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

**Dealer Name****Contact****Phone Number****Fax Number**

Date: 7/7/1999

Ford CPD Screen Print

Station ID: SERVER

Year	1999	Service Part	XF22 1007-BA
Model	TW (Windstar)	Eng / ID Number	
Expert Box		Part Name	WHEEL ASY. APPLICATION CH
Search Value	WHEEL		

Section	Plate Number
	P-30907
Subsection	Status
	Parts Displayed
Ilus Index	CD Catalog

Description	Group Name
Type 72 - 5 spoke Cast Aluminium - sparkle silver	WHEEL ASY. APPLICATION CHART AND 1015

More Info	Model / Restrictions
	16"x6.5" -5 holes

**Notes**

When ordering wheels, please be aware that the casting number found on the wheel only crosses to the base number of the wheel. Wheels can have the same casting number but a different service number depending on finish and color differences.

99

SERVICE PART: XF25- 1007-BA WHEEL ASY  
 RECEIVING LOCATION: DEMAND GROUP:  
 VACKCAST: Y Sdi:

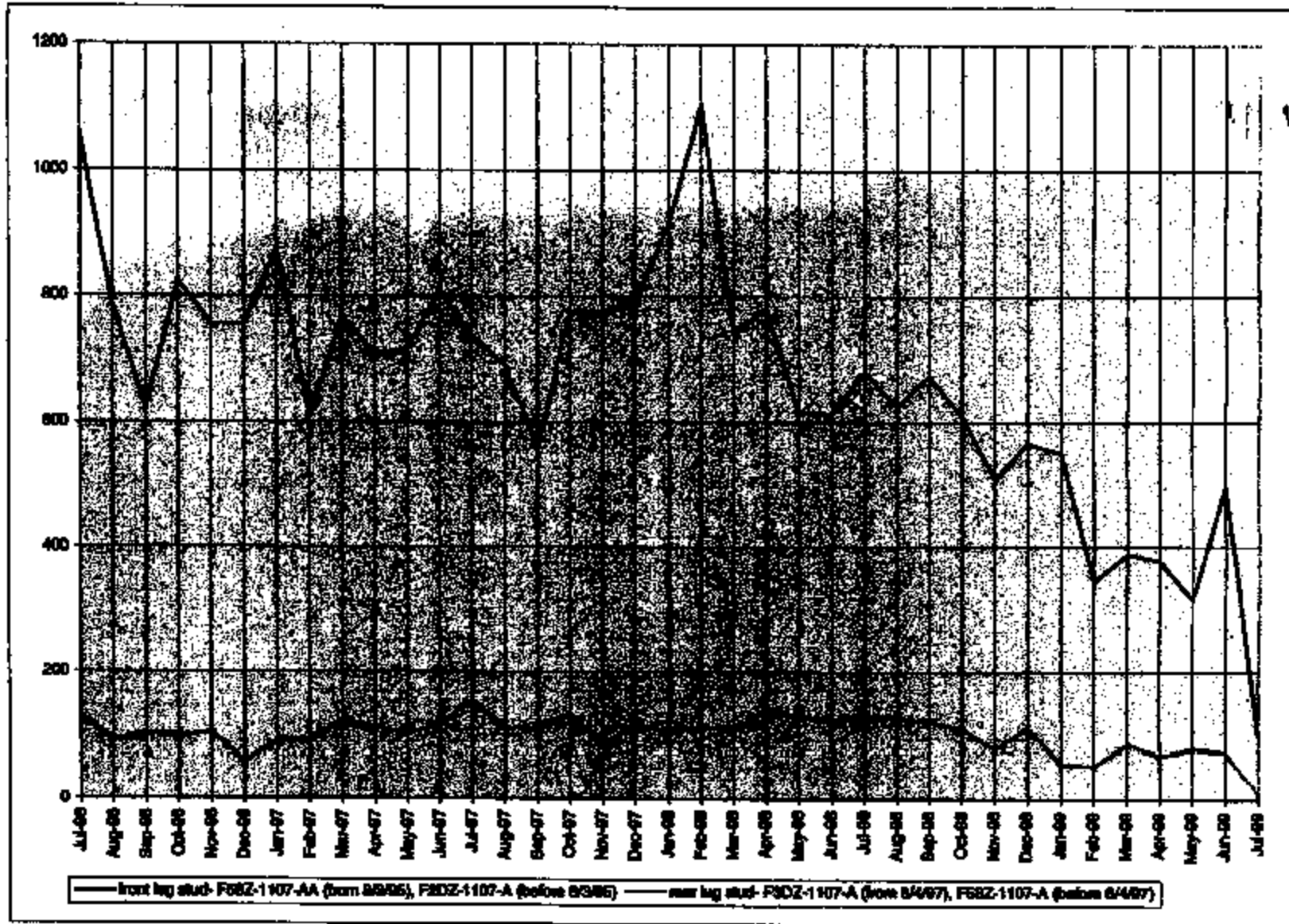
A						
C	MONTH	YEAR	Pieces	Lines	Replaced Part Number	Messages
	07	1999	7	5		
	06	1999	29	21		
	05	1999	47	32		
	04	1999	26	19		
	03	1999	45	31		
	02	1999	37	27		
	01	1999	8	8		
	12	1998	18	14		
	11	1998	7	3		
	10	1998	5	3		
	09	1998	0	0		
	08	1998	0	0		

F1=Help F4=FirstRecLoc F5=FacingRecLoc  
 MORE RECORDS AVAILABLE

PD03034

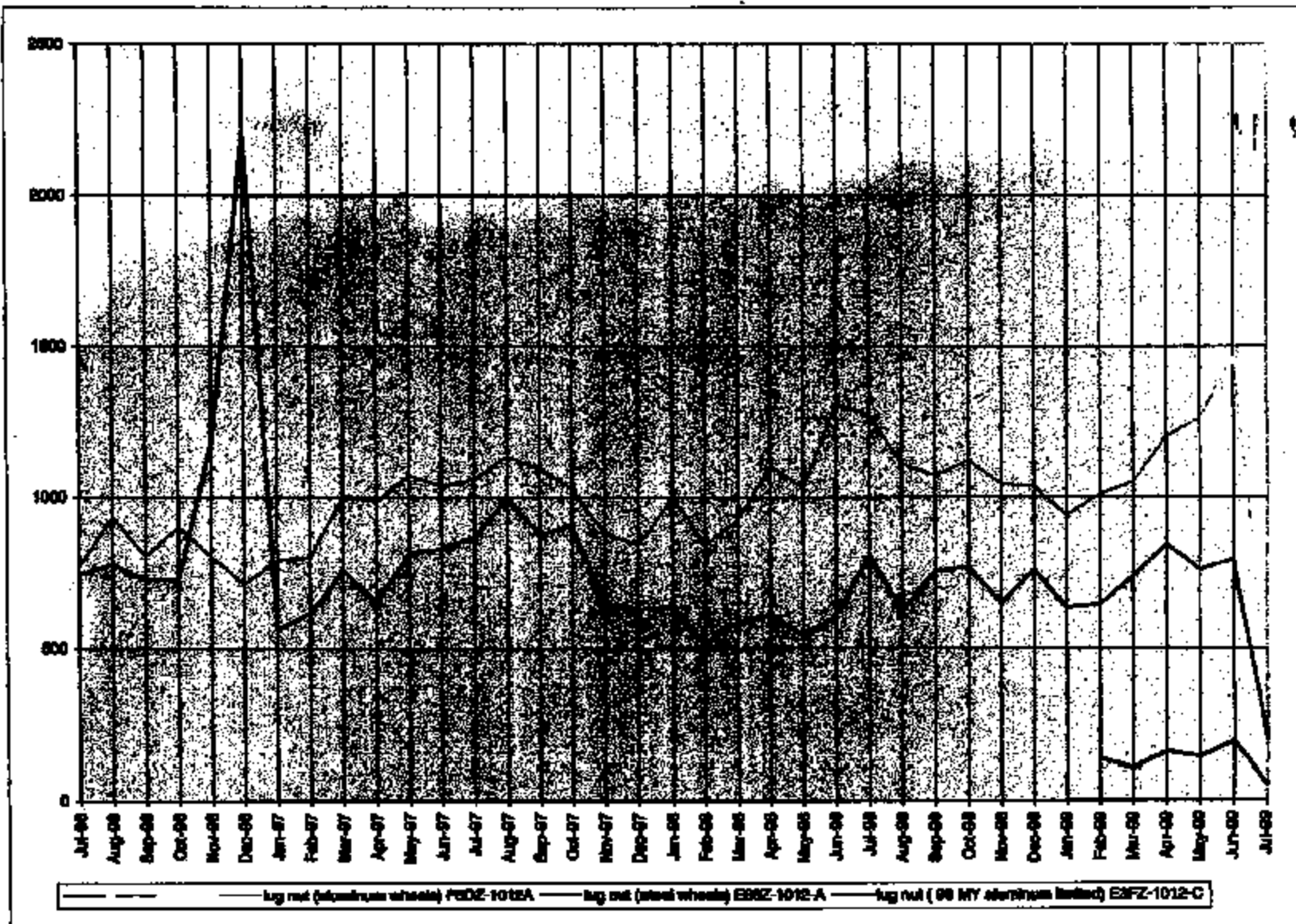


Lug Stud Chart



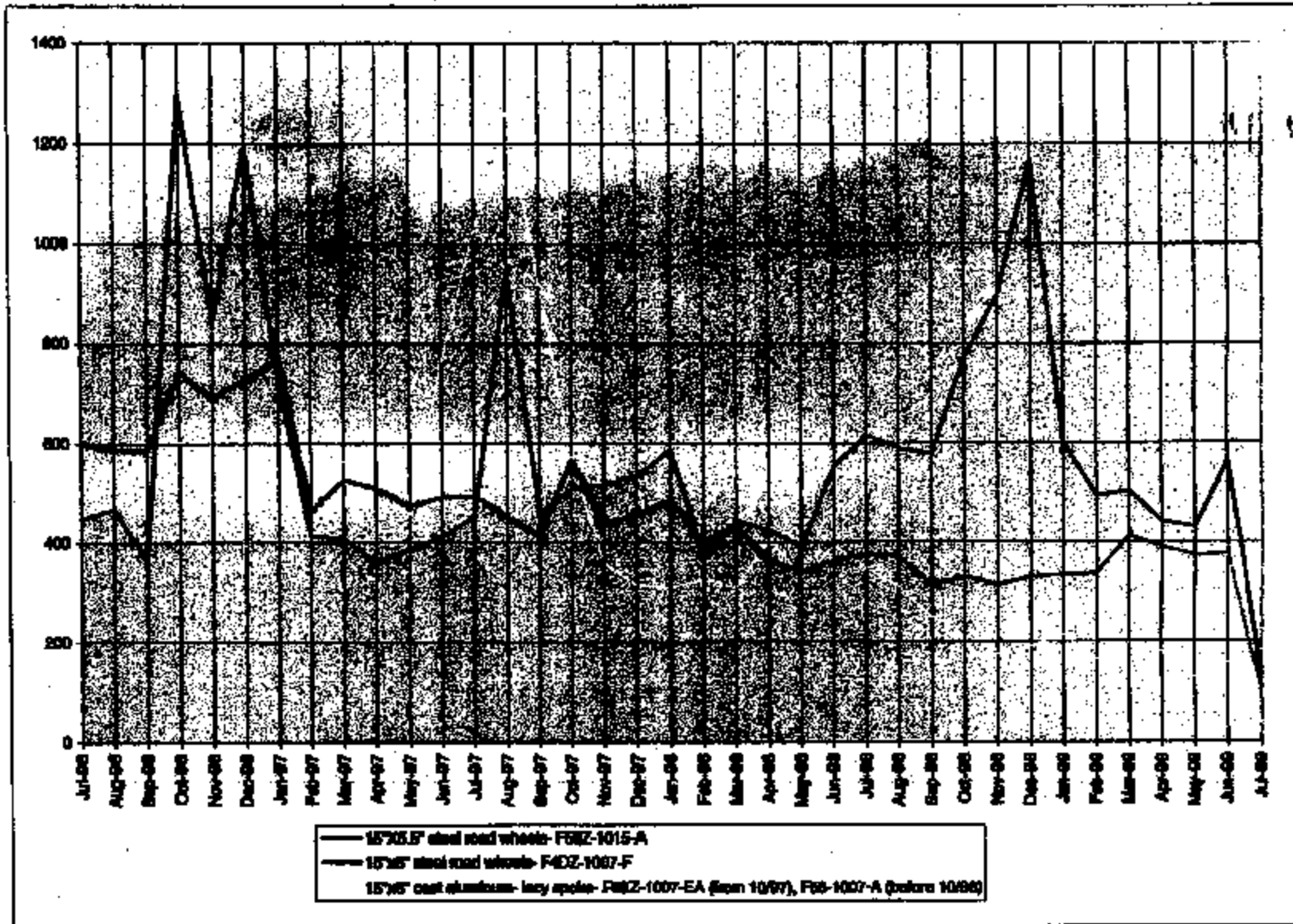
6687 108-2867

Lug Nut Chart



EBZ-1012-C

Wheel Chart



BR03-004 1840

# CHECK LIST

Part #	DFMEA	PFMEA	CONTROL PLAN	TYPE	DATE
F10A-107-ED	YES	YES	YES	YES	10/1/94
✓ F50A-107-CD					YES
✓ F40C-107-DA* 13A60247				YES	YES
F70A-107-DC	YES	YES	YES	YES	YES
✓ XF22-107-FA* 1826-0-2007	YES	YES	YES	YES	YES
✓ XF22-107-CC	YES	YES	YES	YES	YES
<i>NO CHANGE effect from type change part &amp; changed CD to CC</i>					
✓ XF22-107-ED	YES <i>added</i>	YES	YES	YES	YES
<i>NOTE: Added DFMEA since it is effect part &amp; changed CD to ED</i>					
✓ XF22-107-BC	<i>Should be</i> YES <i>XF22-107-ED MATCHED</i>	YES	YES	YES	YES
<i>CD TO EC effect later</i>					
YF22-107-BA* 1826-0-2007	YES	YES	YES	YES	YES
✓ YF22-107-AA	YES	<i>same as</i> YES <i>(removed)</i> XF22-107-BC	YES	<i>same as</i> XF22-107-BC	YES
<i>REMOVED FROM FROM BC</i>					
✓ YF22-107-DA	YES	YES	YES	YES	YES
<p>* 1062 Stud wheels - Identical <sup>functionally and dimensionally</sup> except note DI for EC3 added on - FA and doesn't affect fit and function.</p> <p>** Same as F40C-107-DA / XF22-107-FA except for <i>function</i> changed for <i>Mount</i> to <i>Mount</i>. Also DF updates to match <i>function</i> being <i>process</i></p>					

1526-0 ALUMINUM - M/Y 1992

F70A-1007-BD

1983-004 1845



REG VALUANCE - MIV 1999

FDA-1017-DC

FORM 1041-1004 1999



EXTD ALUM. WHEEL - M/Y 2000  
VFEZ-107-DA

ENG-804 1714



1946-5 DEUM WHEEL 11/4 2000  
422-1027-AD

880-884 1787

1/4

1/4



15K6-0 Steel Model Year 2000  
YF22-1007-BA

ENC-004 1777

NO. 5 HAWAIIAN  
KPLZ-107-BC  
M/V 1999

ENG-004 1063

1003 ALIEN BNC  
KFL-1007-BD  
MODEL RZ 1009

1003-004 1004

~~1546-0 ADM. WHEEL MIY 1949~~

~~7622-1007-CC~~

ENG-504 1051

15X6-0 STEEL MODEL YEAR 1999

XF22-1007-FA

ENG-004 2003



1576- STEEL - MAY 1948

F4DC-107-DA

ENC-504 2861

1998-2000 MODEL YEARS  
TIRE/WHEEL/LOGNOT RELEASE CHARTS

1993-004 2916

STUD CONCERN

1983-884 2116



1/11





TO : Konieczny, Dan  
 Maloney, Michael V  
 Sarmast, Syed H SSARMAST

SUBJECT : Vehicle 311T850 Broken Stud Issue

ACKNOWLEDGEMENT : None

TIME : 21:14

DATE : 07/11/96

Syed,

At MPG, 7/10, with Dan Konieczny, we reviewed WIN88 vehicle 311T850 for a broken stud issue.

The LF front corner had broken 3 adjacent wheel studs. This condition was realized 7/8 by a "thumping noise" during routine R310 testing. The wheel also had a significant dent in the curb-side flange & 1 spoke as if the vehicle had been curbed.

The wheel was the old level F78A-1007-CA part number. The lug nuts were the old design with welded stainless steel caps.

The condition of the studs, nuts, wheel & brake components was the same as we had seen before on other durability vehicles that had broken studs. Lug nut torque values were not recorded for this vehicle. The vehicle had logged 39900 miles; this being the 1st loose lug nut issue on this vehicle & the 1st lug nut issue on any WIN88 at MPG since 11/95.

As you are well aware the E8DC-1012-AA nut & F78A-1007-DB are the latest level parts released to eliminate this issue.

Per your instructions, Dan will replace the damaged studs & nuts & complete the test.

Dan gave us a durability schedule that indicated 3, '98 vehicles starting in August. 568T509, 568T510, 568T511. These vehicles should be checked to assure the latest level wheels & lug nuts are installed.

I suggest we begin efforts to purge MPG of the old level wheels, replacing with the -DB or -BD (15°). Dan says he has an inventory of 3 each old level wheels. If you would create a procurement, we will send the parts. Replacement of the lug nuts would be a good idea as well.

Regards,  
Doug

cc: D. Konieczny, M. Maloney, M. Schroeder, M. Baumgarten

*dis 7/12/96*

# FORD NUT TORQUE TEST

## A. OIL FREE STUD TEST

1. MEASURE AND RECORD HUB THICKNESS.
2. MEASURE LUG NUT DEPTH AND ANGLE.
3. TORQUE LUG NUTS TO 150 FT. LBS.
4. WAIT 24 HOURS AND CHECK AND RECORD TIGHTEN TORQUE.
5. REMOVE WHEEL FROM FORTUNE AND CHECK FOR CRACKS WITH DYE PENETRANT-NO CRACKS ALLOWED.
6. MEASURE AND RECORD LUG NUT DEPTH AND ANGLE - NO DEFORMATION ALLOWED.

HUB THICKNESS BEFORE TEST 17.34

HUB THICKNESS AFTER TEST 17.31

LUG NUT DEPTH BEFORE TEST

1. 11.47 2. 11.47 3. 11.41 4. 11.48 5. 11.47

LUG NUT DEPTH AFTER TEST

1. 11.41 2. 11.41 3. 11.41 4. 11.41 5. 11.41

LUG NUT ANGLE BEFORE TEST

1. 68.21 2. 68.77 3. 68.41 4. 68.41 5. 68.77

LUG NUT ANGLE AFTER TEST

1. 68.87 2. 68.68 3. 68.87 4. 68.81 5. 68.86

TIGHTENING TORQUE AFTER 24 HOURS (150 FT. LBS MIN.)

1. 150 2. 150 3. 150 4. 150 5. 150

DYE PENETRANT

PASS

FAIL



WHEEL # F78A-1887-08 MOLD 1 (CARDINALS CARD)

DATE 6/21/81 TECHNICIAN SMOWELL



*Memorandum*

*SYED*

TO: Ken Archibald  
FROM: Jim Word / Doug Squires *Jim*  
DATE: April 4, 1995  
SUBJECT: 1997 16" Ford Windstar Stud Breaking Issues

On Friday March 31, 1995, Doug Squires and I went to Ford's Michigan Proving Grounds to review the issue of studs breaking on the 16" Windstar wheel for 1997. Information collected is as follows:

- Problem of studs breaking has only been observed on the 16" Windstar wheel. The current 15" aluminum and the 1997 15" aluminum have not experienced this concern.
- Jim Word to examine the geometry differences between the current Windstar, 1997 15" and 16" Windstar and the 1994 16" Ford Probe.
- All wheels currently being tested are SP samples made in Howell in June of 1994.
- The CP samples made in Huntington in January 1995 have not been put on any vehicles.
- Two new test vehicles are expected to begin testing mid-April. Doug Squires to assure wheels are CP version.
- Ford vehicle test # 302T019
- Test engineer Dan Koniczny believes that approximately 10 studs have broken although I could only find record of three. (The 3 studs that broke would not be included in the records because Ford is switching to a computer based system and the data is not entered.
- There is only one test vehicle with the 16" wheels.
- Studs are all press fit.
- Service studs used are for Taurus not windstar.
- New version of lug being used on windstar.
- The decorative lug nut intended for this wheel is not being used for test.
- Having problems with transmission slip, causing high torque starts
- Mounting surface had relief step on all wheels
- No damage to lug tower walls on any of the wheels.
- The left front corner assembly was replaced at 24,060 miles (2-8-94).

- 2 studs broke at surface of rotor
- 1 stud broke at face of wheel. had rust on surface as if had been broke for while.
- Doug Squires to get prints of rotor, hub, studs and lug nuts from Ford
- Doug Squires to try to get tested wheel from Syed Sarmast at Ford
- Tire used: P225/60 R16 97S Goodrich Touring T/A
- The vehicle is currently at 47,651 miles
- The left front wheel is going to be replaced again at 47,651 miles due to damage in nut seats. Replacement wheel is # 21

### Current Test Vehicle Corner Descriptions

#### Description of left front corner 23,591 miles (Photos # 1-3)

Wheel # 20

Corner assembly replaced at 27,000 miles. (rotor, studs, hub, wheel)

4 old design nuts ; 1 new design nut.

Studs are of 3 different lengths.

Hub has 4 gouges 10mm in width in relation to 4 bolt holes.

Wheel nut seats have gouges in the contact area with the lug. (See Photo #1)

Loose aluminum shavings in bolt holes of wheel (See Photo #2)

Thread imprint in one stud hole(See Photo #3)

Foot print on rotor and wheel looks good.

On two of the bolt holes a ridge of aluminum has been formed. The lug nut is seating on this surface. (See Photo #2)

One bolt hole on rotor is damaged.

Rotor Number: KH 126480.

#### Description of right front corner 47,651 miles (Photo #4)

Wheel # 23

Never been replaced. All parts original except studs

4 New type lug nuts; 1 old type

Ridges in all 5 nut seats

Not as severely damaged as left front

No damage to rotor

Footprint looked good

Studs were 2 different lengths

#### Description of rear wheels 47,651 miles (No studs have been replaced)

Left rear wheel # 26

Right rear wheel # 38

Nuts seats look normal. No excessive wear as seen on fronts

No aluminum shavings or ridge build up

Drum and hat rotor # KH 127150

Paint chipping on face of spoke

Description of 1997 15" Windstar wheels 52,742 miles (No studs have been replaced)

Photo #5

Michelin P215/70 R15 97S XW4 or Uniroyal Tiger Paw XTM Royal Seal

No damage seen in nut seats or on lug nuts

Ford Vehicle #: 302T020

#### Vehicle Driver Data Sheets

After reviewing through all available test sheets the following are the reports that indicated a concern with the wheel. A sheet is filled out by each operator after testing. Testing began approximately 9-1-94. (Test sheets are attached)

<u>Date</u>	<u>Concern</u>
9-27-94	Wheel spin caused by transmission slip
11-3-94	Stud broke off on RF during tire change. One other replaced
2-8-95	LF tire noise and vibration, 2 broken lug nuts - vehicle towed in
2-18-95	Wheel bearing RF excessively loose, LF loose

3 additional studs have been reported as breaking since 3-1-95. Test reports were not available due to transition to computer based system.

#### Plan of Action

Examine the geometry differences between the current Windstar, 1997 15" and 16" Windstar and the 1994 16" Ford Probe. Jim Word

Hardness data from the SP samples to be collected from Howell. Doug Squires

Two SP wheels have been sent to AMT for Hardness Check. Jim Word  
Both wheels at 80 BHN

SC data from SP run to be reviewed for wheels being tested. Jim Word  
Data reviewed showed none of the SC out of tolerance except wheel #38 had an outboard flange thickness 0.16 over max.

Get prints of rotor, hub, studs and lug nuts from Ford Doug Squires

Get tested wheel from Syed Saemast at Ford for AMT evaluation of mechanicals, chemistry and hardness. Doug Squires

Assure CP samples are on the test vehicle to start mid April. Doug Squires

Review bench testing for similarities. Jim Word

Driver LINDSEY T.O. No. 1703 Procedure R 310 I Veh. No. 302T C19  
 Shift No. 11 Requester STANKIEWICZ Prod. Line MINISTAR Date 9-27-94

TIME	ODOMETER	HOURMETER	COUNTER
Finish: <u>1100</u>	Kilometer (Miles) <u>9421</u>	Item _____	Item <u>2</u>
Start: <u>0800</u>	<u>9381 9349</u>	_____	<u>198</u>
Total: <u>3</u>	<u>40</u>	_____	<u>200</u>

Driving Time: Hr. 2 Min. 30 Air Temp. °C (°F) \_\_\_\_\_ Start \_\_\_\_\_ Finish \_\_\_\_\_  
 Engine Idle Time: Hr. \_\_\_\_\_ Min. \_\_\_\_\_ Road Condition Dry \_\_\_\_\_ Damp \_\_\_\_\_ Wet X

Tire Pressure Checked \_\_\_\_\_ Test Wt. Installed \_\_\_\_\_ Truck Air Tanks Drained \_\_\_\_\_  
 PG-8 Performed \_\_\_\_\_ Tires Changed Pos. \_\_\_\_\_ (Record Ser. No. below)

**FLUID ADDITIONS**

Fuel Spec.	Odometer	Engine Oil	Odometer
Pump No. <u>REG</u>	Litres (Gals.)	Type _____	Grams (oz.)
Radiator	Odo.	Trans.	Odo.
Coolant	cc	Fluid	Grams (oz.)
		Pr. Strg.	Odo.
		Fluid	Grams (oz.)
			Battery
			Odo.
			Water
			cc

**COMPONENT EVALUATION\* - Check  UNACCEPTABLE ITEMS. EXPLANATION REQUIRED IN COMMENTS.**

ENGINE	DRIVELINE	BRAKES	BODY	ELECTRICAL
<input type="checkbox"/> Starting	<input type="checkbox"/> Vibration	<input type="checkbox"/> Pull	<input type="checkbox"/> Windows	<input type="checkbox"/> Lights
<input type="checkbox"/> Performance	<input type="checkbox"/> Noise	<input type="checkbox"/> Erratic	<input type="checkbox"/> Doors	<input type="checkbox"/> Instruments
<input type="checkbox"/> Noise	<input type="checkbox"/> FLUID LEAKS	<input type="checkbox"/> Grab	<input type="checkbox"/> Hood	<input type="checkbox"/> Radio
<input type="checkbox"/> Exhaust	<input type="checkbox"/> CHASSIS	<input type="checkbox"/> Roughness	<input type="checkbox"/> Seat	<input type="checkbox"/> Horn
<input type="checkbox"/> TRANSMISSION	<input checked="" type="checkbox"/> Suspension	<input type="checkbox"/> Noise	<input type="checkbox"/> W/S Wiper	<input type="checkbox"/> Speedometer
<input checked="" type="checkbox"/> Noise	<input type="checkbox"/> Steering	<input type="checkbox"/> Pedal Feel	<input type="checkbox"/> Leaks	<input type="checkbox"/> TEST COMPONENTS
<input checked="" type="checkbox"/> Shift Quality	<input type="checkbox"/> Strg. Wh. Vib.	<input type="checkbox"/> Pedal Pressure	<input type="checkbox"/> Wind Noise	<input type="checkbox"/> GENERAL RATING
<input type="checkbox"/> Parking Pawl	<input type="checkbox"/> Tires	<input type="checkbox"/> Pedal Fade	<input type="checkbox"/> Fumes	<input type="checkbox"/> Handling
<input type="checkbox"/> Clutch	<input type="checkbox"/> Wheel Covers	<input type="checkbox"/> Pedal Reserve	<input type="checkbox"/> Dust	<input type="checkbox"/> Ride
<input type="checkbox"/> Controls		<input type="checkbox"/> Parking Brake	<input type="checkbox"/> Rattles	
			<input type="checkbox"/> Interior/Clean	

Report any departures from test procedure, i.e. reduced speed, omitted brake stops, closed routes. Record all vehicle downtime except lunch and authorized breaks.

**DRIVER COMMENTS:**

R.R. VENT WINDOW DOES NOT CLOSE ALL THE WAY SHUT -  
TRACTION IS POOR ON HILLS & GRADES -  
DANCING & HOPPING ON GRADES + WHEEL SPIN  
AFTER PARK PAWL CK & SHIFTING TO (D)  
VEH WOULD NOT SHIFT INTO 1ST + ACCEL  
IN 2ND FOR APPX 2-3 SECONDS BEFORE  
DOWNSHIFTING POPPING NOISE IN FRONT  
END BOTH SIDES, @ STOPPING & ACCELS -  
TRABS THUMP, PARK TO (D) - SURGING POWER  
DT IS REQ LOSS AFTER SALT @ WASH BATH  
CLOSEOUT TO

\* IF TRANSMISSION, ENGINE, HANDLING OR BRAKE PERFORMANCE ARE POOR, REPORT TO OFFICE AT ONCE FOR INSTRUCTION.

Driver <u>Guimaraes S</u>	T.O. No. <u>1703</u>	Procedure <u>R-310 I</u>	Veh. No. <u>30270.9</u>
Shift No. <u>F</u>	Requester <u>Stankiewicz</u>	Prod. Line <u>Win 88</u>	Date <u>11/3/74</u>
<b>TIME</b>	<b>ODOMETER</b>	<b>HOURMETER</b>	<b>COUNTER</b>
Finish: <u>09:00</u>	Kilometer (Miles) <u>14853</u>	Item <u>/</u>	Item <u>Cycles</u>
Start: <u>24:00</u>	<u>14750</u>		<u>66</u>
Total: <u>8 hr</u>	<u>103</u>		<u>6</u>
Driving Time: Hr. <u>4</u> Min. <u>10</u>	Air Temp. °C (°F)	Start	Finish
Engine Idle Time: Hr. _____ Min. _____	Road Condition	Dry <input checked="" type="checkbox"/>	Damp _____ Wet _____
Tire Pressure Checked _____	Test Wt. Installed _____	Truck Air Tanks Drained _____	
P6-8 Performed _____	Tires Changed Pos. _____	(Record Ser. No. below)	

**FLUID ADDITIONS**

Fuel Spec. <u>Unleaded</u>	Odometer	Engine Oil	Odometer
Pump No. <u>G 142</u>	Litres (Gals.)	Type <u>SAE 150</u>	Grams (oz.)
Radiator	Qdo.	Trans.	Qdo.
Coolant	cc	Fluid	Grams (oz.)
		Pr. Strg.	Qdo.
		Fluid	Grams (oz.)
			Battery
			Odo.
			Water
			cc

**COMPONENT EVALUATION\* - Check  UNACCEPTABLE ITEMS. EXPLANATION REQUIRED IN COMMENTS.**

<b>ENGINE</b>	<b>DRIVELINE</b>	<b>BRAKES</b>	<b>BODY</b>	<b>ELECTRICAL</b>
<input type="checkbox"/> Starting	<input type="checkbox"/> Vibration	<input type="checkbox"/> Pull	<input type="checkbox"/> Windows	<input type="checkbox"/> Lights
<input type="checkbox"/> Performance	<input type="checkbox"/> Noise	<input type="checkbox"/> Ratio	<input type="checkbox"/> Doors	<input type="checkbox"/> Instruments
<input type="checkbox"/> Noise	<input type="checkbox"/> <b>FLUID LEAKS</b>	<input type="checkbox"/> Grabs	<input type="checkbox"/> Hood	<input type="checkbox"/> Radio
<input type="checkbox"/> Exhaust	<input type="checkbox"/> <b>CHASSIS</b>	<input type="checkbox"/> Roughness	<input type="checkbox"/> Seat	<input type="checkbox"/> Horn
<b>TRANSMISSION</b>	<input type="checkbox"/> Suspension	<input type="checkbox"/> Noise	<input type="checkbox"/> W/S Wiper	<input type="checkbox"/> Speedometer
<input type="checkbox"/> Noise	<input type="checkbox"/> Steering	<input type="checkbox"/> Pedal Feel	<input type="checkbox"/> Leaks	<input type="checkbox"/> <b>TEST COMPONENTS</b>
<input checked="" type="checkbox"/> Shift Quality	<input type="checkbox"/> Strg. Wt. Vlb.	<input type="checkbox"/> Pedal Pressure	<input type="checkbox"/> Wind Noise	<input type="checkbox"/> <b>GENERAL RATING</b>
<input type="checkbox"/> Parking Pawl	<input checked="" type="checkbox"/> Tires	<input type="checkbox"/> Pedal Fade	<input type="checkbox"/> Fumes	<input type="checkbox"/> Handling
<input type="checkbox"/> Clutch	<input type="checkbox"/> Wheel Covers	<input type="checkbox"/> Pedal Reserve	<input type="checkbox"/> Dust	<input type="checkbox"/> Ride
<input type="checkbox"/> Controls		<input type="checkbox"/> Parking Brake	<input type="checkbox"/> Rattles	
			<input type="checkbox"/> Interior/Clean	

Report any departures from test procedure, i.e. reduced speed, omitted brake stops, closed routes. Record all vehicle downtime except lunch and authorized breaks.

**DRIVER COMMENTS:**  
 Engine Performance - Good  
 Trans Performance - slips slightly accelerating in a tight turn (base of 15%)  
 Traction Control - In op, was told to omit portion of test  
 Stud brake off on R/F during time change, as other replaced.  
 Tires - Right front tire went flat on basecourse road half way down, tires on front are edge GA P325/16 R 16  
 D.T - 1 hr for flat & tire change  
 D.T - 10 min, see shift case Requester for traction Control.  
 D.T - 1 hr fix broken stud on R/F

112-2

DRIVER'S NAME Teubach G DATE 2-8-95 SHEET 1 T.O. NUMBER 1703 MIL. Fail. 1  
 VEHICLE NUMBER 208 P 019 DRIVE TIME 2:15 DOWNTIME (MINUTES & REASONS) 1 hr 30 mins  
 START ODO 23976 END ODO 24060 ODO1  FUEL 1  ODO2  FUEL 2  MILN Fail  
 START TIME 00:00 END TIME 04:30 HOURS 4:30 SHEET MILES 84 SHEET CYCLES  DRIVER NUM 28 115m. 25  
 MISC INFORMATION: TACTE, RID BRKES LIGHT FLASHING AFTER RETARDER STOPS - PROBLEM RPTING  
 MISC INFORMATION: BE RUN AT REDUCED SPEEDS BRKES BURNISH  
 MISC INFORMATION: LF TRK BRK - VIBRATED - 2 APPROX 1/2 HRS - VEHICLE COME OUT  
 MISC INFORMATION: INTL SUSPECTED IN T. STANK TOWED IN

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ENGINE / PERFORMANCE	
GENERAL (COMMON TO MULTIPLE DRIVE MODES)	
D31	BACKFIRES
D33	ENGINE CONTINUES TO RUN WITH KEY TURNED OFF
D34	ENGINE SPEED-UP (UNINTENDED)
D35	FAILED EM/SIDING TEST
D35	FUEL ECONOMY UNSATISFACTORY
D36	HESTITATION/STALLS/ROCKERS ON ACCELERATION
D37	LACKS POWER BUT RUNS SMOOTH
D38	SPARK KNOCK/ENGINE PING
D41	BURSTS/DUCKS/ROCKS AT STEADY SPEEDS
STARTING	
D93	ENGINE TURNS OVER BUT SLOW/HAUD TO START
D92	ENGINE TURNS OVER BUT WILL NOT START
D91	ENGINE WILL NOT TURN OVER
IDLE	
D11	IDLES TOO FAST
D12	ROLLING OR SURGING IDLE
D13	ROUGH IDLE
STALLS	
D21	STALLS AFTER START-UP (ON PARK/NEUTRAL)
D23	STALLS/ROCKS WHEN DRIVING
D22	STALLS WHEN PUT INTO GEAR

ENGINE COOLING/COOL SYSTEM	
E21	COOLANT LOW
E30	"COOLANT" INDICATOR "ON"
E23	ENGINE OVERHEAT/WHINE HOT
E24	ENGINE RUNS COOL
E25	EXCESSIVE OIL CONSUMPTION
E27	LOW OIL PRESSURE INDICATOR
E29	WARNING LIGHT "CHECK ENGINE" (AMBI) "ON"
E19	WARNING LIGHT "ENGINE" (RED) "ON"

NOISE (SOURCE - CAUSE UNKNOWN)	
N05	INSIDE OF CAB/ENGINE COMPARTMENT (BACK OF VEHICLE)
N01	INSIDE OF FLOOR/ENGINE COMPARTMENT
N02	UNDER HOOD/VEHICLE (IN FRONT OR UNDER VEHICLE)
NOISE (LOCATION NOT KNOWN)	
N16	OVER BURNS
N17	WHEN APPLYING BRAKES
N11	WHEN ENGINE IS RUNNING ON OR OUT OF GEAR
	WHEN IN GEAR/MOVING
N13	WHEN SHIFTING (FORWARD GEAR)
N14	WHEN SHIFTING (ONTO REVERSE)
N15	WHEN TURNING
VIBRATION	
	VEHICLE MOVING
N21	VEHICLE STOPPED
N37	WHEN APPLYING BRAKES

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POWERTRAIN	
GENERAL (CAN APPLY TO TRANK CLUTCH & AXLE)	
F01	DIFFICULT TO SHIFT
F49	INDICATOR "ON"
F02	NO ENGAGEMENT
F03	NOISE
F04	WILL NOT MOVE IN GEAR
F05	WILL NOT STAY IN GEAR
AUTOMATIC TRANSMISSION	
F10	DELAYED ENGAGEMENT
F15	SHIFTS ARE BODY/SLATE
F16	SHIFTS ARE ROCK/SHAKE
F18	SHIFTS ARE SLOW/SHY
F19	SHIFTS TOO EARLY
F17	SHIFTS TOO LATE/NO SHIFT
CLUTCH	
F21	CLUTCH BURN/DRIVE SHAKE
F23	PEDAL FEEL OFF/STIFF
F24	WILL NOT DISengage
TRANSFER CASE/HUBS	
F01	DIFFICULT TO SHIFT
F22	WILL NOT DISengage/SHOCK
F24	WILL NOT STAY IN GEAR

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EXHAUST SYSTEM	
E07	NOISE/WHISTLE
E40	ROCK
E45	SMOKE FROM EXHAUST (BLUR/BLACK/WHITE)
FUEL SYSTEM	
F01	FUEL LOCK
F02	FUEL FLOWS FROM CAP REMOVAL
F03	FUEL IN SYSTEM
F05	LOW FUEL FLOW (NO-LOCK "OUTBACK")

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LEAKS	
L01	AM/VACUUM LEAK
L02	AXLE HUB LEAK
L03	BRKES/ROCK LEAK
L04	COOLANT LEAK
L05	ENGINE OIL LEAK
L06	EXHAUST LEAK
L07	FUEL LEAK
L08	POWER STEERING FLUID LEAK
L09	TRANSFER CASE/OIL LEAK
L12	TRANSFER CASE/FLUID LEAK
L14	UNDER HOOD/ENGINE FLUID LEAK (SOURCE UNKNOWN)
L15	WATER LEAK/CONDENSATION (NOT COOLANT)
SPECIAL CONCERN CODES	
X99	NO APPROPRIATE CONCERN CODE





INSPECTION AND MAINTENANCE SPECIFICATION SHEET

ENGINEER T. Stankiewicz VEHICLE NO. 3027019  
INSPECTOR D. Kennedy VEHICLE LINE Windstar  
DATE 2-18-95 ODOMETER 29301 T.O. NO. 1703

OIL CHANGE  FILTER CHANGE  OIL NO. 903A1  
DRAIN, WEIGH, REINSTALL OIL \_\_\_\_\_ S A E RATING 5W30  
CALIBRATE DIPSTICK, FULL AND \_\_\_\_\_ OZ. LOW

OIL AND FILTER CHANGE WEIGHTS

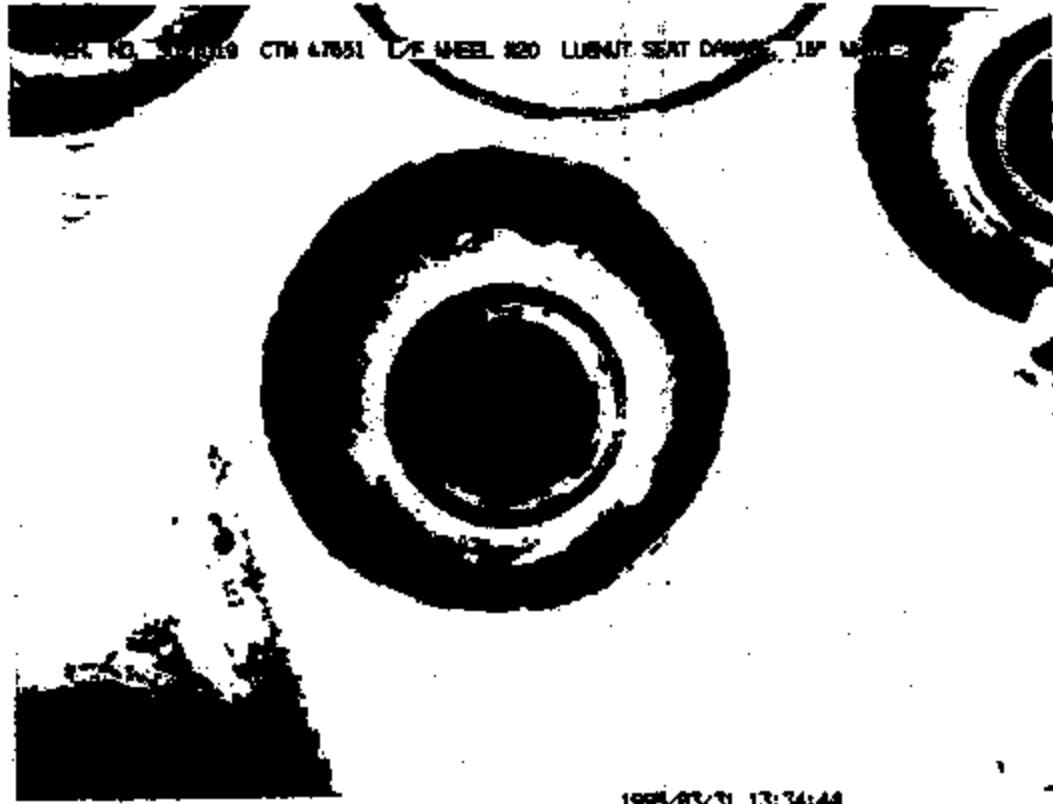
1. DRAINED OIL, USED FILTER & PAN 189 OZ.  
2. PAN AND DRY FILTER 78 OZ.  
OIL WEIGHT 111 OZ.  
3. NEW OIL AND CAN 190 OZ.  
4. CAN ONLY 43 OZ.  
OIL WEIGHT 147 OZ.

OIL CHANGE ONLY OR DRAIN, WEIGH AND REPLACE WEIGHTS

1. DRAINED OIL AND PAN \_\_\_\_\_ OZ.  
2. PAN ONLY \_\_\_\_\_ OZ.  
OIL WEIGHT \_\_\_\_\_ OZ.  
3. NEW (SAME) OIL & PAN \_\_\_\_\_ OZ.  
4. CAN ONLY \_\_\_\_\_ OZ.  
OIL WEIGHT \_\_\_\_\_ OZ.

TOM INSPECTION REPORT 1. Appears to have had a coolant leak at  
front of engine. Tom please check at corner of head  
2. Heat shield above muffler is damaged at leading edge. <sup>Seal</sup>  
3. Bolt is missing from exhaust support at  
manifold. Replace  
4. Coolant & oil samples obtained  
5. Undercarriage should be cleaned for better inspection.  
6. Left rear window is inoperative.  
Wheel Bearing Rt. Front excessive in loose  
just loose

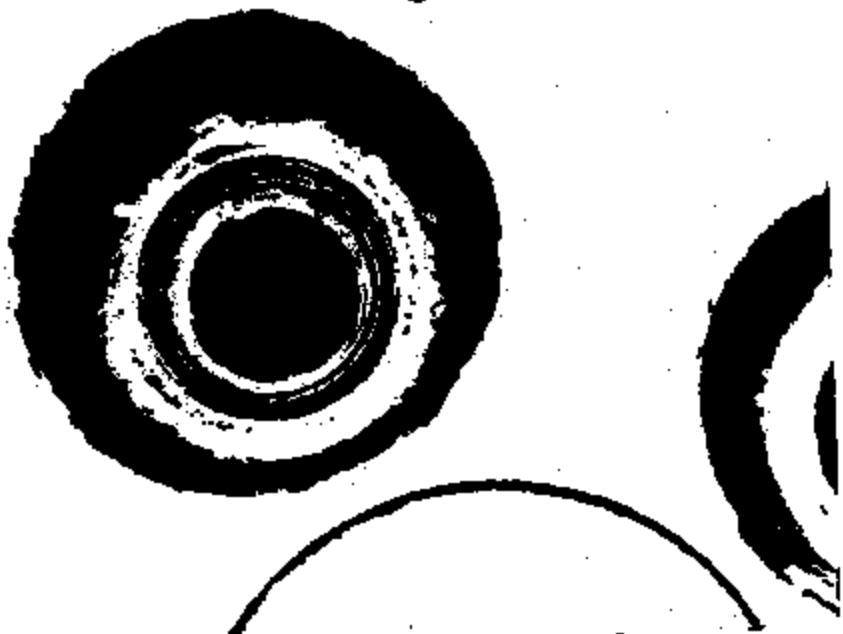
VEH. NO. 382T019 CTM 47651 L/F WHEEL #20 LIGHT SEAT DAMAGE, 16" WHEEL.



1995/03/31 13:34:44

VEH. NO. 382T019 CTM 47651 L/F WHEEL #20 LIGHT SEAT DAMAGE, 16" WHEEL.

VEH. NO. 382T019 CTM 47651 L/F WHEEL #20 LIGHT SEAT DAMAGE, 16" WHEEL.



1995/03/31 13:32:33

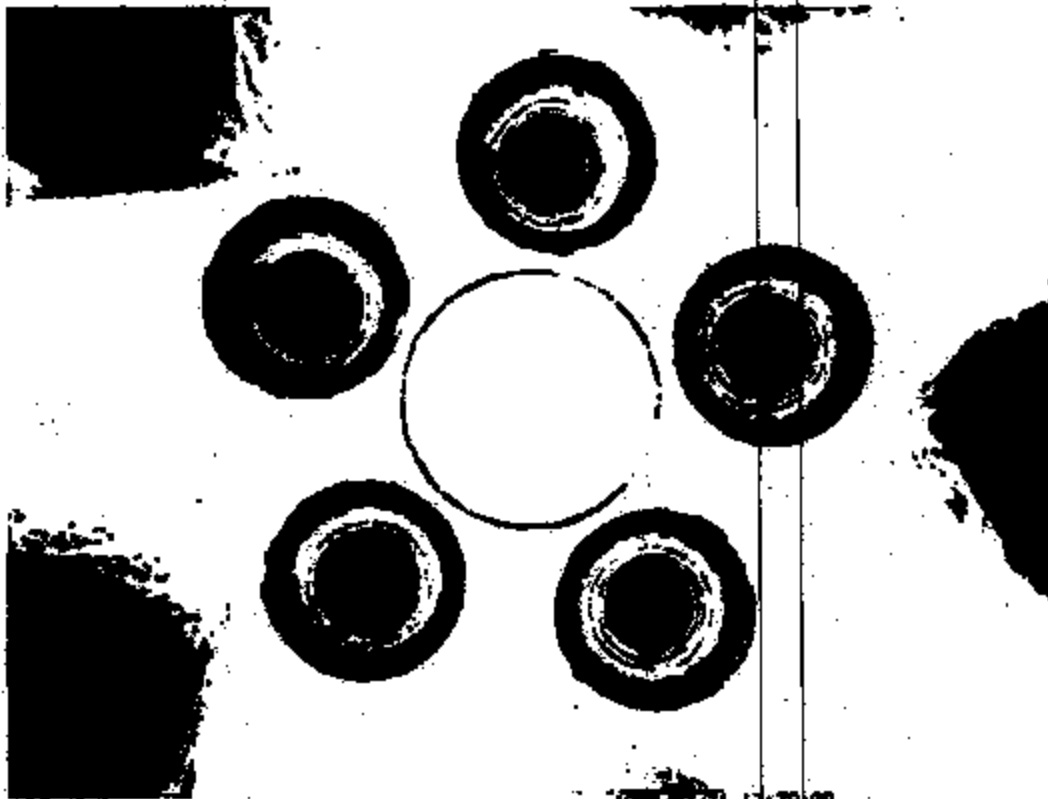
VEH. NO. 382T019 CTM 47651 L/F WHEEL #28 LUGNUT SEAT DAMAGE. 16" WHEEL.



1983-03-31 15:39:58

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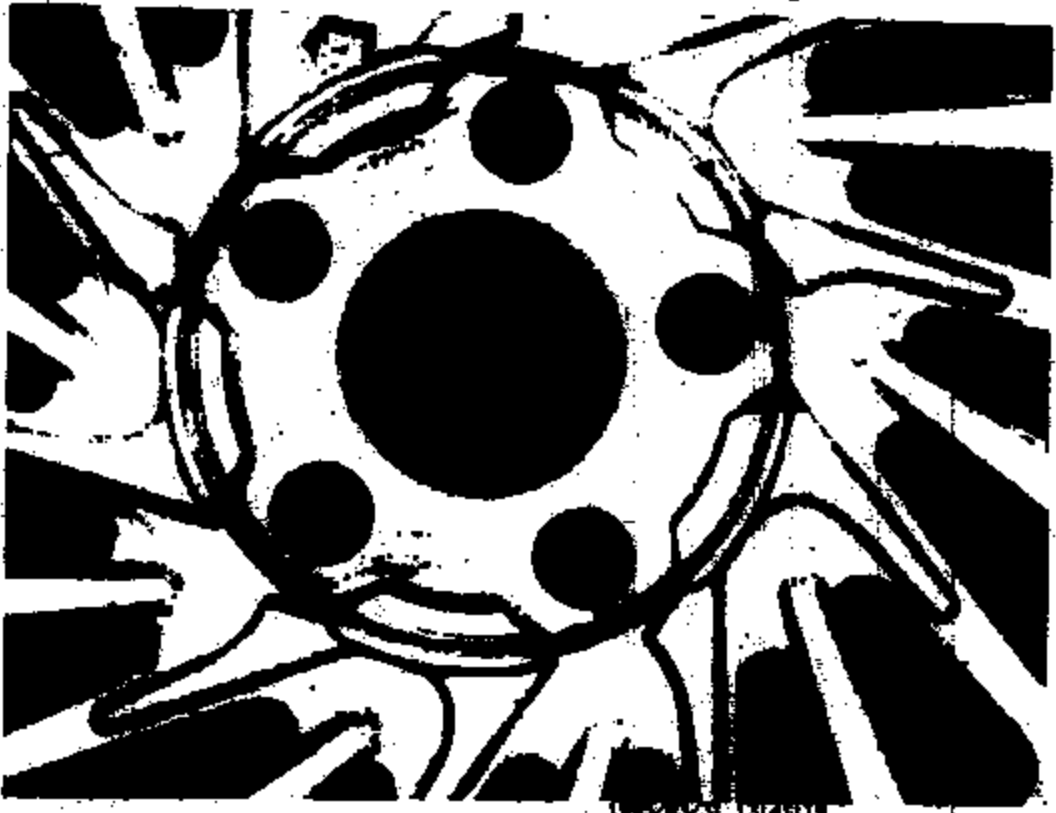
VEH. NO. 382T019 CTM 47651 R/F WHEEL #23 OVERALL LUGNUT SEAT DAMAGE.



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