

EA10-001

FORD

05/14/2010

Appendix G

Extended Warranty Coverage

Base Part#	Components	ESP Warranty Coverages
043B13	Air Bag	Premiumcare Coverage Only
14A664	Clock Spring	Basecare, Extracare & Premiumcare

			Extended Warranty Coverage							
	Coverage		New Contracts - 2004-2006 F-150							
	Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010
BASECARE	3 Years	48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
		101000	X	X	X	X	X	X	X	X
	4 Years	48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		76000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
		101000	X	X	X	X	X	X	X	X
	5 Years	36000	X	X	X	X	X	X	X	X
		48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
	6 Years	36000	X	X	X	X	X	X	X	X
		48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
	7 Years	36000	X	X	X	X	X	X	X	X
		48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X

		Extended Warranty Contract Counts									Sum:
Coverage		New Contracts - 2004-2006 F-150									
Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010		
BASECARE	3 Years	48000	0	0	35	17	10	3	0	0	65
		60000	0	1	60	53	16	3	0	0	133
		75000	0	2	67	65	27	2	0	0	163
		100000	1	6	301	333	129	8	0	0	778
		101000	0	0	0	0	1	0	0	0	1
	4 Years	48000	0	0	66	48	29	8	3	0	154
		60000	0	3	76	117	51	18	3	0	268
		75000	0	0	98	104	61	11	0	0	274
		76000	0	0	7	0	0	0	0	0	7
		100000	0	5	458	523	269	33	0	0	1288
		101000	0	0	0	0	1	0	0	0	1
	5 Years	36000	0	0	10	13	12	9	4	0	48
		48000	1	0	41	43	20	18	3	0	126
		60000	0	9	436	465	255	103	22	0	1290
		75000	4	25	918	982	538	173	18	1	2659
		100000	8	23	1154	1499	903	167	7	0	3761
	6 Years	36000	0	0	32	25	16	17	3	0	93
		48000	0	0	36	46	29	35	8	1	155
		60000	3	3	367	390	184	170	38	1	1156
		75000	1	7	833	985	556	436	68	1	2887
		100000	0	5	412	479	308	243	32	1	1480
	7 Years	36000	0	0	21	14	6	11	0	0	52
		48000	0	0	26	19	13	13	1	0	72
		60000	0	0	62	37	32	36	15	0	182
		75000	1	1	96	116	58	74	20	0	366
		100000	0	2	48	69	44	62	43	2	270

	Extended Warranty Coverage									
	Coverage		New Contracts - 2004-2006 F-150							
	Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010
EXTRACARE	3 Years	48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		76000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
	4 Years	48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		61000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
		101000	X	X	X	X	X	X	X	X
	5 Years	36000	X	X	X	X	X	X	X	X
		48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		76000	X	X	X	X	X	X	X	X
	6 Years	100000	X	X	X	X	X	X	X	X
		36000	X	X	X	X	X	X	X	X
		48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
	7 Years	100000	X	X	X	X	X	X	X	X
		36000	X	X	X	X	X	X	X	X
		48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X

			Extended Warranty Contract Counts								Sum:
Coverage		New Contracts - 2004-2006 F-150									
Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010		
EXTRACARE	3 Years	48000	0	1	58	48	14	4	0	0	125
		60000	1	1	91	70	30	3	0	0	196
		75000	2	5	112	89	23	1	0	0	232
		76000	0	0	14	1	0	0	0	0	15
		100000	2	15	324	309	116	4	0	0	770
	4 Years	48000	0	2	79	61	38	13	3	0	196
		60000	0	3	135	116	51	18	2	0	325
		61000	0	0	1	0	0	0	0	0	1
		75000	0	9	258	234	117	22	2	0	642
		100000	1	29	687	743	291	42	2	0	1795
		101000	0	0	4	0	0	0	0	0	4
	5 Years	36000	0	0	24	22	6	5	2	0	59
		48000	0	0	64	52	15	10	7	0	148
		60000	0	42	1514	1319	584	134	36	1	3630
		75000	7	145	3382	3204	1505	392	27	0	8662
		76000	0	0	0	0	11	0	0	0	11
		100000	10	93	2028	2378	1156	288	23	2	5978
	6 Years	36000	0	2	45	59	18	22	8	1	155
		48000	1	1	65	96	47	30	8	0	248
		60000	3	12	1038	998	460	293	86	7	2897
		75000	3	111	3807	4104	2006	1151	169	4	11355
		100000	5	40	766	922	527	305	54	1	2620
	7 Years	36000	0	1	22	15	6	7	2	0	53
		48000	0	1	45	48	20	18	6	0	138
		60000	0	4	124	142	72	80	39	2	463
		75000	0	8	605	617	296	206	36	1	1769
		100000	0	5	128	155	105	88	62	3	546

	Extended Warranty Coverage									
	Coverage		New Contracts - 2004-2006 F-150							
	Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010
PREMIUMCARE	3 Years	48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		62500	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		76000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
		101000	X	X	X	X	X	X	X	X
	4 Years	48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		61000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
		101000	X	X	X	X	X	X	X	X
	5 Years	36000	X	X	X	X	X	X	X	X
		48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		76000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
		101000	X	X	X	X	X	X	X	X
	6 Years	36000	X	X	X	X	X	X	X	X
		48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
	7 Years	36000	X	X	X	X	X	X	X	X
		48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X

		Extended Warranty Contract Counts								Sum:	
Coverage		New Contracts - 2004-2006 F-150									
Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010		
PREMIUMCARE	3 Years	48000	0	8	334	222	117	12	3	0	696
		60000	1	20	351	374	229	26	3	0	1004
		62500	0	0	3	26	0	0	0	0	29
		75000	7	34	676	776	368	52	1	0	1914
		76000	0	0	1	0	0	0	0	0	1
		100000	3	75	841	1153	538	44	2	0	2656
		101000	0	0	3	15	1	0	0	0	19
	4 Years	48000	1	16	302	218	105	58	15	1	716
		60000	1	21	584	565	309	84	9	0	1573
		61000	0	0	3	2	4	0	0	0	9
		75000	6	58	1228	1434	728	220	7	0	3681
		100000	3	130	1840	2682	1235	208	9	0	6107
		101000	0	0	4	11	2	0	0	0	17
	5 Years	36000	0	4	130	133	72	84	26	2	451
		48000	1	7	308	303	120	109	30	1	879
		60000	11	177	5203	5536	2412	893	203	4	14439
		75000	38	781	15085	19013	8923	2604	177	1	46622
		76000	0	0	5	1	0	0	0	0	6
		100000	18	360	6247	8283	4195	1314	74	2	20493
		101000	0	0	8	2	0	0	0	0	10
	6 Years	36000	1	12	358	384	222	303	120	4	1404
		48000	1	10	504	514	232	269	155	10	1695
		60000	17	149	5380	6415	3352	2382	633	34	18362
		75000	33	386	10339	14014	8227	5531	797	15	39342
		100000	17	139	2559	3419	2345	1764	271	6	10520
		36000	0	5	146	170	81	129	88	4	623
	7 Years	48000	0	9	213	226	123	157	98	5	831
		60000	2	37	588	764	421	537	278	12	2639
		75000	8	43	1071	1201	746	898	201	7	4175
		100000	0	25	595	709	564	660	440	24	3017

			Extended Warranty Coverage							
	Coverage		Used Contracts - 2004-2006 F-150							
	Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010
BASECARE	6 Months	6000	X	X	X	X	X	X	X	X
	1 Year	12000	X	X	X	X	X	X	X	X
	2 Years	24000	X	X	X	X	X	X	X	X
	3 Years	36000	X	X	X	X	X	X	X	X
	4 Years	48000	X	X	X	X	X	X	X	X

			Extended Warranty Contract Counts								
Coverage			Used Contracts - 2004-2006 F-150								
Time Miles			2001	2002	2004	2005	2006	2007	2009	2010	Sum:
BASECARE	6 Months	6000	0	0	0	2	23	52	12	4	93
	1 Year	12000	0	0	1	5	34	176	32	25	273
	2 Years	24000	0	0	2	49	289	1011	419	193	1963
	3 Years	36000	0	0	0	95	374	1124	805	413	2811
	4 Years	48000	0	0	0	45	158	466	593	274	1536

			Extended Warranty Coverage							
	Coverage		Used Contracts - 2004-2006 F-150							
	Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010
EXTRACARE	1 Year	12000	X	X	X	X	X	X	X	X
	2 Years	24000	X	X	X	X	X	X	X	X
	3 Years	36000	X	X	X	X	X	X	X	X
	4 Years	48000	X	X	X	X	X	X	X	X

			Extended Warranty Contract Counts								
Coverage			Used Contracts - 2004-2006 F-150								
EXTRA	Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010	Sum:
	1 Year	12000	0	0	0	1	21	65	20	4	111
	2 Years	24000	0	0	3	42	269	686	465	225	1690
	3 Years	36000	0	0	7	173	617	1605	1191	577	4170
	4 Years	48000	0	0	7	85	251	703	861	389	2296

			Extended Warranty Coverage							
	Coverage		Used Contracts - 2004-2006 F-150							
	Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010
PREMIUM	1 Year	12000	X	X	X	X	X	X	X	X
	2 Years	24000	X	X	X	X	X	X	X	X
	3 Years	36000	X	X	X	X	X	X	X	X
	4 Years	48000	X	X	X	X	X	X	X	X

			Extended Warranty Contract Counts								
Coverage			Used Contracts - 2004-2006 F-150								
PREMIUM	Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010	Sum:
	1 Year	12000	0	0	0	8	21	83	35	21	168
	2 Years	24000	0	0	6	87	484	1590	655	289	3111
	3 Years	36000	0	0	4	159	696	2506	1648	538	5551
	4 Years	48000	0	1	13	152	521	1012	1924	775	4398

			Extended Warranty Coverage							
	Coverage		Used Contracts - 2004-2006 F-150							
	Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010
ROYAL	1 Month	1000	X	X	X	X	X	X	X	X
	2 Months	3000	X	X	X	X	X	X	X	X
	3 Months	4000	X	X	X	X	X	X	X	X

			Extended Warranty Contract Counts								
Coverage			Used Contracts - 2004-2006 F-150								
	Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010	Sum:
ROYAL	1 Month	1000	0	0	0	0	0	0	7	13	20
	2 Months	3000	0	0	0	0	0	0	28	10	38
	3 Months	4000	0	7	2	69	337	1094	536	222	2267

2004-2006 Mark LT

			Extended Warranty Coverage					
	Coverage		New Contracts - 2004-2006 Mark LT					
	Time	Miles	2004	2005	2006	2007	2009	2010
BASECARE	4 years	60000	X	X	X	X	X	X
	5 Years	60000	X	X	X	X	X	X
		75000	X	X	X	X	X	X
		100000	X	X	X	X	X	X
	6 Years	60000	X	X	X	X	X	X
		75000	X	X	X	X	X	X
		100000	X	X	X	X	X	X
	7 Years	60000	X	X	X	X	X	X
		75000	X	X	X	X	X	X
		100000	X	X	X	X	X	X

			Extended Warranty Contract Counts						
Coverage			New Contracts - 2004-2006 Mark LT						
Time	Miles		2004	2005	2006	2007	2009	2010	
BASECARE	4 years	60000	0	0	1	0	0	0	1
	5 Years	60000	0	0	0	0	2	0	2
		75000	0	0	0	2	0	0	2
		100000	0	1	0	2	0	0	3
	6 Years	60000	0	0	0	0	1	0	1
		75000	0	0	1	6	3	0	10
		100000	0	2	0	5	3	0	10
	7 Years	60000	0	0	0	1	0	0	1
		75000	0	0	0	1	1	0	2
		100000	0	0	0	1	1	0	2

			Extended Warranty Coverage					
	Coverage		New Contracts - 2004-2006 Mark LT					
	Time	Miles	2004	2005	2006	2007	2009	2010
EXTRACARE	3 Years	100000	X	X	X	X	X	X
	4 Years	60000	X	X	X	X	X	X
		100000	X	X	X	X	X	X
	5 Years	60000	X	X	X	X	X	X
		75000	X	X	X	X	X	X
		100000	X	X	X	X	X	X
	6 Years	60000	X	X	X	X	X	X
		75000	X	X	X	X	X	X
		100000	X	X	X	X	X	X
	7 Years	48000	X	X	X	X	X	X
		60000	X	X	X	X	X	X
		75000	X	X	X	X	X	X
		100000	X	X	X	X	X	X

			Extended Warranty Contract Counts						
Coverage			New Contracts - 2004-2006 Mark LT						
Time	Miles		2004	2005	2006	2007	2009	2010	
EXTRACARE	3 Years	100000	0	1	0	0	0	0	1
	4 Years	60000	0	1	1	0	0	0	2
		100000	0	1	2	2	0	0	5
	5 Years	60000	0	2	1	0	0	0	3
		75000	0	18	4	8	2	0	32
		100000	0	6	3	4	1	0	14
	6 Years	60000	0	2	1	0	1	0	4
		75000	0	6	5	11	12	2	36
		100000	0	3	4	5	10	2	24
	7 Years	48000	0	0	0	0	2	0	2
		60000	0	0	2	0	1	0	3
		75000	0	5	1	1	3	0	10
100000		0	1	0	2	4	1	8	

			Extended Warranty Coverage					
Coverage			New Contracts - 2004-2006 Mark LT					
Time	Miles		2004	2005	2006	2007	2009	2010
PREMIUMCARE	3 Years	60000	X	X	X	X	X	X
		75000	X	X	X	X	X	X
		100000	X	X	X	X	X	X
	4 Years	48000	X	X	X	X	X	X
		60000	X	X	X	X	X	X
		75000	X	X	X	X	X	X
		100000	X	X	X	X	X	X
	5 Years	36000	X	X	X	X	X	X
		48000	X	X	X	X	X	X
		60000	X	X	X	X	X	X
		75000	X	X	X	X	X	X
		100000	X	X	X	X	X	X
	6 Years	36000	X	X	X	X	X	X
		48000	X	X	X	X	X	X
		60000	X	X	X	X	X	X
		75000	X	X	X	X	X	X
		100000	X	X	X	X	X	X
	7 Years	36000	X	X	X	X	X	X
		48000	X	X	X	X	X	X
		60000	X	X	X	X	X	X
		75000	X	X	X	X	X	X
		100000	X	X	X	X	X	X

		Extended Warranty Contract Counts							
Coverage		New Contracts - 2004-2006 Mark LT							
Time	Miles	2004	2005	2006	2007	2009	2010		
PREMIUMCARE	3 Years	60000	0	2	2	0	0	0	4
		75000	0	2	7	1	0	0	10
		100000	0	13	6	1	0	0	20
	4 Years	48000	0	1	0	0	0	0	1
		60000	0	1	2	0	1	0	4
		75000	0	10	6	3	2	0	21
		100000	0	24	27	17	3	0	71
	5 Years	36000	0	0	0	0	0	1	1
		48000	0	2	1	0	0	0	3
		60000	1	14	11	13	4	0	43
		75000	0	86	53	52	12	2	205
		100000	0	86	71	56	16	1	230
	6 Years	36000	0	1	2	1	1	1	6
		48000	0	5	1	7	5	1	19
		60000	1	36	18	43	30	13	141
		75000	0	119	85	178	67	8	457
		100000	0	63	49	129	91	7	339
	7 Years	36000	0	3	1	1	16	6	27
		48000	0	0	1	5	18	10	34
		60000	0	9	8	18	47	17	99
		75000	0	44	25	40	64	20	193
		100000	2	43	16	48	151	44	304

			Extended Warranty Coverage					
Coverage			Used Contracts - 2004-2006 Mark LT					
Time	Miles		2004	2005	2006	2007	2009	2010
BASECARE	2 Years	24000	X	X	X	X	X	X
	3 Years	36000	X	X	X	X	X	X
	4 Years	48000	X	X	X	X	X	X

			Extended Warranty Contract Counts						
Coverage			Used Contracts - 2004-2006 Mark LT						
Time	Miles		2004	2005	2006	2007	2009	2010	
BASECARE	2 Years	24000	0	0	0	0	5	0	5
	3 Years	36000	0	0	0	1	9	3	13
	4 Years	48000	0	0	0	1	8	2	11

2004-2006 Mark LT

			Extended Warranty Coverage					
	Coverage		Used Contracts - 2004-2006 Mark LT					
	Time	Miles	2004	2005	2006	2007	2009	2010
EXTRA	2 Years	24000	X	X	X	X	X	X
	3 Years	36000	X	X	X	X	X	X
	4 Years	48000	X	X	X	X	X	X

			Extended Warranty Contract Counts						
Coverage			Used Contracts - 2004-2006 Mark LT						
	Time	Miles	2004	2005	2006	2007	2009	2010	
EXTRA	2 Years	24000	0	0	0	1	7	6	14
	3 Years	36000	0	0	0	11	21	10	42
	4 Years	48000	0	0	0	3	13	7	23

			Extended Warranty Coverage					
	Coverage		Used Contracts - 2004-2006 Mark LT					
	Time	Miles	2004	2005	2006	2007	2009	2010
PREMIUM	1 Year	12000	X	X	X	X	X	X
	2 Years	24000	X	X	X	X	X	X
	3 Years	36000	X	X	X	X	X	X
	4 Years	48000	X	X	X	X	X	X

			Extended Warranty Contract Counts						
Coverage			Used Contracts - 2004-2006 Mark LT						
PREMIUM	Time	Miles	2004	2005	2006	2007	2009	2010	
	1 Year	12000	0	0	0	1	0	2	3
	2 Years	24000	0	0	0	17	27	10	54
	3 Years	36000	0	1	1	19	47	26	94
	4 Years	48000	0	1	1	9	82	41	134

			Extended Warranty Coverage					
	Coverage		Used Contracts - 2004-2006 Mark LT					
	Time	Miles	2004	2005	2006	2007	2009	2010
ROYALSHIELD	3 Months	4000	X	X	X	X	X	X

			Extended Warranty Contract Counts						
Coverage			Used Contracts - 2004-2006 Mark LT						
Time		Miles	2004	2005	2006	2007	2009	2010	
ROYALSHIELD	D	3 Months	4000	0	0	0	2	2	6

			Extended Warranty Coverage																	
			New Contracts - 2002-2006 Explorers																	
Coverage			Plan Years																	
Time	Miles		2001	2002	2004	2005	2006	2007	2009	2010										
BASECARE	3 Years	48000	X	X	X	X	X	X	X	X										
		60000	X	X	X	X	X	X	X	X	X									
		75000	X	X	X	X	X	X	X	X	X									
		100000	X	X	X	X	X	X	X	X	X									
	4 Years	48000	X	X	X	X	X	X	X	X	X									
		60000	X	X	X	X	X	X	X	X	X									
		75000	X	X	X	X	X	X	X	X	X									
		100000	X	X	X	X	X	X	X	X	X									
	5 Years	36000	X	X	X	X	X	X	X	X	X									
		48000	X	X	X	X	X	X	X	X	X									
		60000	X	X	X	X	X	X	X	X	X									
		75000	X	X	X	X	X	X	X	X	X									
	100000	X	X	X	X	X	X	X	X	X										
	6 Years	36000	X	X	X	X	X	X	X	X	X									
		48000	X	X	X	X	X	X	X	X	X									
		60000	X	X	X	X	X	X	X	X	X									
		75000	X	X	X	X	X	X	X	X	X									
	100000	X	X	X	X	X	X	X	X	X										
	7 Years	36000	X	X	X	X	X	X	X	X	X									
		48000	X	X	X	X	X	X	X	X	X									
		60000	X	X	X	X	X	X	X	X	X									
		75000	X	X	X	X	X	X	X	X	X									
	100000	X	X	X	X	X	X	X	X	X										

			Extended Warranty Contract Counts																	
			New Contracts - 2002-2006 Explorers																	
Coverage			Plan Years																	
Time	Miles		2001	2002	2004	2005	2006	2007	2009	2010										
BASECARE	3 Years	48000	71	75	44	11	6	1	1	0										
		60000	38	74	32	22	10	3	1	0										
		75000	15	49	32	23	9	4	0	0										
		100000	28	137	199	38	10	3	0	0										
	4 Years	48000	22	77	133	38	19	5	4	0										
		60000	31	96	72	45	28	11	0	0										
		75000	34	79	64	40	22	4	1	0										
		100000	60	153	109	88	34	11	0	0										
	5 Years	36000	4	12	9	6	2	4	0	0										
		48000	12	49	23	31	10	12	1	0										
		60000	237	809	329	212	100	59	9	1										
		75000	320	1069	694	417	186	79	3	0										
	100000	228	839	537	368	151	69	2	0											
	6 Years	36000	0	8	7	3	3	4	0	0										
		48000	8	33	33	20	13	17	6	0										
		60000	102	269	221	181	83	77	11	0										
		75000	164	814	801	589	291	192	22	0										
	100000	127	363	369	304	134	96	11	0											
	7 Years	36000	0	4	2	5	2	0	0	0										
		48000	0	6	6	4	1	5	1	0										
		60000	12	33	33	22	11	13	4	0										
		75000	12	63	62	61	28	24	4	0										
	100000	0	40	45	41	27	19	12	0											

Sum:

			Extended Warranty Coverage																		Sum:
			New Contracts - 2002-2006 Explorers								Extended Warranty Contract Counts										
			Plan Years								New Contracts - 2002-2006 Explorers										
Coverage			Plan Years								Coverage			Plan Years							
Time	Miles		2001	2002	2004	2005	2006	2007	2009	2010	Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010	
EXTRACARE	3 Years	48000	X	X	X	X	X	X	X	X	3 Years	48000	143	118	95	26	13	2	0	0	
		60000	X	X	X	X	X	X	X	X		X	60000	131	168	114	39	18	1	0	0
		61000	X	X	X	X	X	X	X	X		X	61000	2	7	1	0	0	0	0	0
		75000	X	X	X	X	X	X	X	X		X	75000	51	135	76	36	15	3	0	0
		76000	X	X	X	X	X	X	X	X		X	76000	0	1	0	0	0	0	0	0
		100000	X	X	X	X	X	X	X	X		X	100000	104	223	100	66	22	3	0	0
		101000	X	X	X	X	X	X	X	X		X	101000	0	0	5	0	0	0	0	0
	4 Years	48000	X	X	X	X	X	X	X	X	X	4 Years	48000	63	245	248	70	22	16	5	0
		60000	X	X	X	X	X	X	X	X	X		60000	107	280	206	103	38	14	4	0
		75000	X	X	X	X	X	X	X	X	X		75000	166	425	249	145	57	20	0	0
		100000	X	X	X	X	X	X	X	X	X		100000	243	794	422	319	187	23	0	0
		101000	X	X	X	X	X	X	X	X	X		101000	1	0	0	0	0	0	0	0
	5 Years	36000	X	X	X	X	X	X	X	X	X	5 Years	36000	19	106	92	40	16	8	4	0
		48000	X	X	X	X	X	X	X	X	X		48000	58	135	65	43	19	12	4	0
		60000	X	X	X	X	X	X	X	X	X		60000	1462	3420	1660	931	283	104	25	2
		75000	X	X	X	X	X	X	X	X	X		75000	2616	6835	3509	1790	801	242	12	0
		100000	X	X	X	X	X	X	X	X	X		100000	1133	3472	1758	1180	400	161	7	0
		101000	X	X	X	X	X	X	X	X	X		101000	14	0	0	0	0	0	0	0
		36000	X	X	X	X	X	X	X	X	X		6 Years	36000	27	76	33	33	14	6	2
	48000	X	X	X	X	X	X	X	X	X	48000	71		154	104	65	25	21	4	0	
	60000	X	X	X	X	X	X	X	X	X	60000	839		2119	1301	760	281	167	40	2	
	75000	X	X	X	X	X	X	X	X	X	75000	1752		6815	5017	3200	1188	744	74	2	
	100000	X	X	X	X	X	X	X	X	X	100000	771		1603	923	646	260	179	17	0	
	7 Years	36000	X	X	X	X	X	X	X	X	X	7 Years	36000	0	23	12	16	7	1	1	0
		48000	X	X	X	X	X	X	X	X	X		48000	0	40	34	27	7	3	2	0
		60000	X	X	X	X	X	X	X	X	X		60000	123	222	154	112	38	41	15	0
		75000	X	X	X	X	X	X	X	X	X		75000	207	597	859	669	376	120	16	1
		100000	X	X	X	X	X	X	X	X	X		100000	0	218	206	177	72	66	29	0

			Extended Warranty Coverage																			
			New Contracts - 2002-2006 Explorers								New Contracts - 2002-2006 Explorers											
Coverage			Plan Years								Coverage			Plan Years								
Time	Miles		2001	2002	2004	2005	2006	2007	2009	2010	Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010	Sum:	
PREMIUMCARE	3 Years	48000	X	X	X	X	X	X	X	X	3 Years	48000	285	425	464	155	64	11	0	0	1404	
		60000	X	X	X	X	X	X	X	X		60000	397	916	508	321	120	25	0	0	2287	
		61000	X	X	X	X	X	X	X	X		61000	0	0	0	2	0	0	0	0	2	
		62500	X	X	X	X	X	X	X	X		62500	15	47	23	26	0	0	0	0	111	
		75000	X	X	X	X	X	X	X	X		75000	300	737	435	338	104	37	2	0	1953	
		76000	X	X	X	X	X	X	X	X		76000	7	3	4	5	0	0	0	0	19	
		100000	X	X	X	X	X	X	X	X		100000	239	605	355	268	98	10	0	0	1575	
		101000	X	X	X	X	X	X	X	X		101000	1	1	4	1	2	0	0	0	9	
	4 Years	48000	X	X	X	X	X	X	X	X	X	4 Years	48000	155	771	637	229	113	52	8	0	1965
		60000	X	X	X	X	X	X	X	X	60000		351	1022	758	419	210	91	3	0	2854	
		61000	X	X	X	X	X	X	X	X	61000		1	0	2	1	0	0	0	0	4	
		75000	X	X	X	X	X	X	X	X	75000		669	1915	1226	860	360	137	0	0	5167	
		76000	X	X	X	X	X	X	X	X	76000		0	1	0	0	0	0	0	0	1	
		100000	X	X	X	X	X	X	X	X	100000		697	2014	1108	881	378	88	2	0	5168	
	5 Years	36000	X	X	X	X	X	X	X	X	X	5 Years	36000	114	289	196	135	65	65	14	2	880
		48000	X	X	X	X	X	X	X	X	48000		226	746	399	254	138	99	33	1	1896	
		60000	X	X	X	X	X	X	X	X	60000		3389	10075	5381	3406	1388	661	146	1	24447	
		61000	X	X	X	X	X	X	X	X	61000		0	0	0	1	0	0	0	0	1	
		75000	X	X	X	X	X	X	X	X	75000		6723	26511	14571	10598	4332	1729	92	2	64558	
		100000	X	X	X	X	X	X	X	X	100000		2758	9370	5133	3760	1626	696	32	1	23376	
		101000	X	X	X	X	X	X	X	X	101000		0	2	0	1	0	0	0	0	3	
		6 Years	36000	X	X	X	X	X	X	X	X		X	6 Years	36000	253	503	384	351	177	169	58
	48000		X	X	X	X	X	X	X	X	48000	276	862		672	502	217	178	88	4	2799	
	60000		X	X	X	X	X	X	X	X	60000	2865	10176		6624	5249	2431	1535	375	18	29273	
	75000		X	X	X	X	X	X	X	X	75000	4992	18959		13175	10775	5316	3768	446	4	57435	
	100000		X	X	X	X	X	X	X	X	100000	3236	5898		3530	2820	1471	1182	131	1	18269	
	7 Years	36000	X	X	X	X	X	X	X	X	X	7 Years	36000	0	164	140	125	55	60	36	0	580
		48000	X	X	X	X	X	X	X	X	48000		0	279	174	171	68	62	48	5	807	
		60000	X	X	X	X	X	X	X	X	60000		501	1024	663	625	285	326	114	5	3543	
		75000	X	X	X	X	X	X	X	X	75000		760	2056	1335	1208	585	592	112	6	6654	
		100000	X	X	X	X	X	X	X	X	100000		0	1146	843	779	435	382	235	6	3826	

			Extended Warranty Coverage							
			Used Contracts - 2002-2006 Explorers							
	Coverage		Plan Years							
	Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010
BASECARE	6 Months	6000	X	X	X	X	X	X	X	X
	1 Year	12000	X	X	X	X	X	X	X	X
	2 Years	24000	X	X	X	X	X	X	X	X
	3 Years	36000	X	X	X	X	X	X	X	X
	4 Years	48000	X	X	X	X	X	X	X	X

			Extended Warranty Contract Counts								Sum:
			Used Contracts - 2002-2006 Explorers								
Coverage			Plan Years								
Time		Miles	2001	2002	2004	2005	2006	2007	2009	2010	
BASECARE	6 Months	6000	1	8	51	69	59	68	20	9	285
	1 Year	12000	0	6	67	191	234	289	33	12	832
	2 Years	24000	2	86	559	1289	1209	1434	348	154	5081
	3 Years	36000	4	140	773	1367	950	1189	563	219	5205
	4 Years	48000	14	58	293	598	347	401	297	152	2160

			Extended Warranty Coverage							
			Used Contracts - 2002-2006 Explorers							
	Coverage		Plan Years							
	Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010
EXTRACARE	1 Year	12000	X	X	X	X	X	X	X	X
	2 Years	24000	X	X	X	X	X	X	X	X
	3 Years	36000	X	X	X	X	X	X	X	X
	4 Years	48000	X	X	X	X	X	X	X	X

			Extended Warranty Contract Counts								Sum:
			Used Contracts - 2002-2006 Explorers								
Coverage		Plan Years									
Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010		
EXTRACARE	1 Year	12000	1	8	60	120	93	106	31	11	430
	2 Years	24000	3	102	655	1251	970	993	498	163	4635
	3 Years	36000	27	371	1526	2513	1627	1679	834	320	8897
	4 Years	48000	28	166	666	1030	581	684	552	273	3980

			Extended Warranty Coverage							
			Used Contracts - 2002-2006 Explorers							
	Coverage		Plan Years							
	Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010
PREMIUMCARE	1 Year	12000	X	X	X	X	X	X	X	X
	2 Years	24000	X	X	X	X	X	X	X	X
	3 Years	36000	X	X	X	X	X	X	X	X
	4 Years	48000	X	X	X	X	X	X	X	X

			Extended Warranty Contract Counts								Sum:
			Used Contracts - 2002-2006 Explorers								
			Coverage		Plan Years						
Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010		
PREMIUMCARE	1 Year	12000	1	7	39	91	101	146	44	8	437
	2 Years	24000	7	150	762	1459	1394	2053	678	255	6758
	3 Years	36000	18	214	1143	2390	1754	2655	1298	349	9821
	4 Years	48000	0	237	986	366	292	667	1486	500	4534

		Extended Warranty Coverage								
		Used Contracts - 2002-2006 Explorers								
ROYALSHIELD	Coverage		Plan Years							
	Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010
	1 Month	1000	X	X	X	X	X	X	X	X
	2 Months	3000	X	X	X	X	X	X	X	X
	3 Months	4000	X	X	X	X	X	X	X	X
	6 Months	6000	X	X	X	X	X	X	X	X
	1 Year	12000	X	X	X	X	X	X	X	X

		Extended Warranty Contract Counts								
		Used Contracts - 2002-2006 Explorers								
ROYALSHIELD	Coverage		Plan Years							
	Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010
	1 Month	1000	0	0	0	0	0	0	6	6
	2 Months	3000	0	0	0	0	0	0	18	9
	3 Months	4000	23	206	509	1161	1095	1439	454	125
	6 Months	6000	0	1	0	0	0	0	0	0
	1 Year	12000	0	2	0	0	0	0	0	0

Sum:

12

27

5012

1

2

2002-2006 Mountaineer

		Extended Warranty Coverage								
		Coverage	New Contracts - 2002-2006 Mountaineer							
	Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010
BASECARE	3 Years	48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
	4 Years	48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
	5 Years	36000	X	X	X	X	X	X	X	X
		48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
	6 Years	36000	X	X	X	X	X	X	X	X
		48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
	7 Years	36000	X	X	X	X	X	X	X	X
		48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X

		Extended Warranty Contract Counts									
Coverage		New Contracts - 2002-2006 Mountaineer									
Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010		
BASECARE	3 Years	48000	2	7	5	1	2	0	0	0	17
		60000	4	7	7	2	2	0	0	0	22
		75000	1	1	2	3	0	0	0	0	7
		100000	2	6	5	2	0	0	0	0	15
	4 Years	48000	1	7	11	0	3	2	0	0	24
		60000	2	11	11	2	3	0	0	0	29
		75000	3	10	7	6	4	2	0	0	32
		100000	2	11	13	10	3	1	0	0	40
	5 Years	36000	0	0	0	2	0	0	0	0	2
		48000	0	4	7	4	1	2	0	0	18
		60000	6	39	19	19	4	4	2	0	93
		75000	10	71	64	26	16	5	1	0	193
		100000	12	53	53	25	7	8	0	0	158
	6 Years	36000	0	0	0	0	1	1	0	0	2
		48000	0	1	5	2	5	4	1	1	19
		60000	2	15	19	18	10	19	8	0	91
		75000	13	75	104	55	35	34	3	0	319
		100000	7	30	31	38	18	1	1	0	126
	7 Years	36000	0	3	0	0	0	0	0	0	3
		48000	0	0	1	1	1	2	0	0	5
		60000	2	3	5	3	3	1	0	0	17
		75000	3	12	6	3	3	3	1	0	31
		100000	0	5	7	6	9	4	2	0	33

2002-2006 Mountaineer

		Extended Warranty Coverage								
		Coverage	New Contracts - 2002-2006 Mountaineer							
	Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010
EXTRACARE	3 Years	48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
	4 Years	48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
	5 Years	36000	X	X	X	X	X	X	X	X
		48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
	6 Years	36000	X	X	X	X	X	X	X	X
		48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
	7 Years	36000	X	X	X	X	X	X	X	X
		48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X

			Extended Warranty Contract Counts								
Coverage			New Contracts - 2002-2006 Mountaineer								
Time	Miles		2001	2002	2004	2005	2006	2007	2009	2010	
EXTRACARE	3 Years	48000	19	12	10	4	2	0	0	0	47
		60000	19	21	15	14	1	2	0	0	72
		75000	12	8	13	6	1	1	0	0	41
		100000	5	10	9	5	1	0	0	0	30
	4 Years	48000	3	33	47	8	7	2	0	0	100
		60000	16	33	29	4	6	2	0	0	90
		75000	12	33	35	10	10	2	0	0	102
		100000	20	35	38	21	8	2	0	0	124
	5 Years	36000	1	0	4	0	0	1	1	0	7
		48000	2	11	4	2	3	3	0	0	25
		60000	81	213	134	72	29	19	4	0	552
		75000	147	420	253	147	64	37	0	0	1068
		100000	75	251	158	116	50	28	4	0	682
	6 Years	36000	7	4	1	4	3	0	1	0	20
		48000	3	8	12	5	1	6	0	1	36
		60000	71	146	87	86	37	22	9	0	458
		75000	121	541	434	272	152	113	23	0	1656
		100000	82	141	130	79	38	29	3	0	502
	7 Years	36000	0	3	0	0	2	0	0	0	5
		48000	0	3	1	3	2	1	1	0	11
		60000	18	29	13	24	6	3	1	1	95
		75000	19	59	96	46	26	15	1	0	262
		100000	0	22	41	18	12	11	7	0	111

2002-2006 Mountaineer

		Extended Warranty Coverage								
Coverage		New Contracts - 2002-2006 Mountaineer								
Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010	
PREMIUMCARE	3 Years	48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		61000	X	X	X	X	X	X	X	X
		62500	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
	4 Years	48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
	5 Years	36000	X	X	X	X	X	X	X	X
		48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
	6 Years	36000	X	X	X	X	X	X	X	X
		48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
	7 Years	36000	X	X	X	X	X	X	X	X
		48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X

		Extended Warranty Contract Counts									
Coverage		New Contracts - 2002-2006 Mountaineer									
Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010		
PREMIUMCARE	3 Years	48000	81	86	180	51	24	3	1	0	426
		60000	74	165	149	68	44	6	1	0	507
		61000	1	0	0	0	0	0	0	0	1
		62500	5	9	9	7	0	0	0	0	30
		75000	45	108	102	43	26	5	0	0	329
		100000	24	83	45	24	17	3	0	0	196
	4 Years	48000	36	144	189	44	35	12	5	0	465
		60000	60	179	186	87	55	23	3	0	593
		75000	101	237	175	149	68	43	0	0	773
		100000	75	213	146	121	45	32	1	0	633
	5 Years	36000	14	53	41	22	11	13	8	1	163
		48000	24	99	68	40	23	24	10	2	290
		60000	271	758	557	360	184	122	25	2	2279
		75000	505	2162	1396	995	534	304	20	1	5917
		100000	249	1062	658	460	219	154	8	2	2812
	6 Years	36000	49	61	56	59	28	36	6	1	296
		48000	37	77	82	67	40	29	17	3	352
		60000	290	983	862	687	376	295	119	4	3616
		75000	585	2242	1747	1417	896	813	130	7	7837
		100000	469	856	558	445	298	237	39	0	2902
	7 Years	36000	0	18	22	11	11	12	6	1	81
		48000	0	38	34	27	21	21	14	0	155
		60000	66	151	135	96	62	78	24	4	616
		75000	142	324	296	271	129	141	44	4	1351
		100000	0	226	205	156	101	76	71	4	839

		Extended Warranty Coverage								
Coverage		Used Contracts - 2002-2006 Mountaineer								
Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010	
BASECARE	6 Months	6000	X	X	X	X	X	X	X	X
	1 Year	12000	X	X	X	X	X	X	X	X
	2 Years	24000	X	X	X	X	X	X	X	X
	3 Years	36000	X	X	X	X	X	X	X	X
	4 Years	48000	X	X	X	X	X	X	X	X

			Extended Warranty Contract Counts								
Coverage			Used Contracts - 2002-2006 Mountaineer								
Time		Miles	2001	2002	2004	2005	2006	2007	2009	2010	
BASECARE	6 Months	6000	0	1	8	13	10	19	1	1	53
	1 Year	12000	0	1	1	30	24	38	4	2	100
	2 Years	24000	0	15	63	163	126	193	50	28	638
	3 Years	36000	1	29	87	171	97	185	91	39	700
	4 Years	48000	1	10	44	69	58	57	51	23	313

2002-2006 Mountaineer

			Extended Warranty Coverage							
	Coverage		Used Contracts - 2002-2006 Mountaineer							
	Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010
EXTRACARE	1 Year	12000	X	X	X	X	X	X	X	X
	2 Years	24000	X	X	X	X	X	X	X	X
	3 Years	36000	X	X	X	X	X	X	X	X
	4 Years	48000	X	X	X	X	X	X	X	X

			Extended Warranty Contract Counts								
Coverage			Used Contracts - 2002-2006 Mountaineer								
	Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010	
EXTRACARE	1 Year	12000	0	2	5	13	18	27	8	2	75
	2 Years	24000	1	20	65	166	128	185	69	32	666
	3 Years	36000	2	48	241	378	195	288	161	65	1378
	4 Years	48000	3	30	105	143	77	153	113	43	667

			Extended Warranty Coverage							
	Coverage		Used Contracts - 2002-2006 Mountaineer							
	Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010
PREMIUMCARE	1 Year	12000	X	X	X	X	X	X	X	X
	2 Years	24000	X	X	X	X	X	X	X	X
	3 Years	36000	X	X	X	X	X	X	X	X
	4 Years	48000	X	X	X	X	X	X	X	X

			Extended Warranty Contract Counts								
Coverage			Used Contracts - 2002-2006 Mountaineer								
Time		Miles	2001	2002	2004	2005	2006	2007	2009	2010	
PREMIUMCARE	1 Year	12000	0	0	12	23	20	20	11	1	87
	2 Years	24000	1	22	127	268	234	429	165	50	1296
	3 Years	36000	1	57	223	510	347	635	333	120	2226
	4 Years	48000	0	60	254	53	64	126	462	167	1186

			Extended Warranty Coverage							
	Coverage		Used Contracts - 2002-2006 Mountaineer							
	Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010
ROYAL SHIELD	1 Month	1000	X	X	X	X	X	X	X	X
	2 Months	3000	X	X	X	X	X	X	X	X
	3 Months	4000	X	X	X	X	X	X	X	X

			Extended Warranty Contract Counts								
Coverage			Used Contracts - 2002-2006 Mountaineer								
Time		Miles	2001	2002	2004	2005	2006	2007	2009	2010	
ROYAL SHIELD	1 Month	1000	0	0	0	0	0	0	1	1	2
	2 Months	3000	0	0	0	0	0	0	5	2	7
	3 Months	4000	6	21	60	163	153	221	88	38	750

2003-2004 Aviators

		Extended Warranty Coverage								
		New Contracts - 2003-2004 Aviators								
Coverage		Plan Years								
Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010	
BASECARE	3 years	60000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
	4 years	75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
	5 Years	36000	X	X	X	X	X	X	X	X
		48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
	6 Years	48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
	7 Years	60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X

		Extended Warranty Contract Counts									Sum:
		New Contracts - 2003-2004 Aviators									
Coverage		Plan Years									
Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010		
BASECARE	3 years	60000	0	0	1	0	0	0	0	0	1
		60000	0	1	1	0	0	0	0	0	2
	4 years	75000	0	0	2	0	1	0	0	0	3
		100000	0	0	0	2	0	0	0	0	2
	5 Years	36000	0	1	1	1	0	0	0	0	3
		48000	0	1	0	0	0	0	0	0	1
		60000	0	1	2	2	0	0	0	0	5
		75000	0	8	7	1	3	1	0	0	20
		100000	0	2	7	6	1	3	0	0	19
	6 Years	48000	0	0	0	0	0	1	0	0	1
		60000	0	0	2	0	1	4	1	0	8
		75000	0	12	22	9	9	15	1	0	68
		100000	0	4	9	2	3	4	0	0	22
	7 Years	60000	0	2	1	0	0	2	0	0	5
		75000	0	1	2	0	2	0	0	0	5
100000		0	1	2	3	2	2	0	0	10	

2003-2004 Aviators

		Extended Warranty Coverage								
		New Contracts - 2003-2004 Aviators								
Coverage		Plan Years								
Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010	
EXTRACARE	3 Years	60000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
	4 Years	48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
	5 Years	48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
	6 Years	36000	X	X	X	X	X	X	X	X
		48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
	7 Years	48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X

		Extended Warranty Contract Counts									Sum:
		New Contracts - 2003-2004 Aviators									
Coverage		Plan Years									
Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010		
EXTRACARE	3 Years	60000	0	2	0	0	0	0	0	0	2
		100000	0	0	0	1	0	0	0	0	1
	4 Years	48000	0	1	0	0	0	0	0	0	1
		60000	0	1	3	0	0	0	0	0	4
		75000	0	1	5	3	1	0	0	0	10
		100000	0	6	3	2	0	0	0	0	11
	5 Years	48000	0	1	0	0	0	0	0	0	1
		60000	0	11	5	3	2	1	0	0	22
		75000	1	41	27	20	6	2	0	0	97
		100000	0	19	16	16	10	0	0	0	61
	6 Years	36000	0	1	0	0	1	0	0	0	2
		48000	0	2	3	0	0	0	0	0	5
		60000	1	10	14	3	4	6	0	0	38
		75000	0	36	44	20	30	29	1	0	160
		100000	0	11	23	15	13	16	0	0	78
	7 Years	48000	0	1	0	1	0	0	1	0	3
		60000	0	1	3	3	2	3	0	0	12
		75000	1	7	18	7	4	17	0	0	54
		100000	0	5	9	9	4	8	1	0	36

2003-2004 Aviators

		Extended Warranty Coverage								
		New Contracts - 2003-2004 Aviators								
Coverage		Plan Years								
Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010	
PREMIUMCARE	3 Years	48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		62500	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
	4 Years	48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
	5 Years	36000	X	X	X	X	X	X	X	X
		48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
	6 Years	36000	X	X	X	X	X	X	X	X
		48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
	7 Years	36000	X	X	X	X	X	X	X	X
		48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X

			Extended Warranty Contract Counts								Sum:
			New Contracts - 2003-2004 Aviators								
Coverage			Plan Years								
Time	Miles		2001	2002	2004	2005	2006	2007	2009	2010	
PREMIUMCARE	3 Years	48000	0	1	0	0	0	0	0	0	1
		60000	0	5	5	0	0	0	0	0	10
		62500	0	0	1	0	0	0	0	0	1
		75000	2	11	8	7	0	1	0	0	29
		100000	0	13	15	3	0	0	0	0	31
	4 Years	48000	0	0	0	1	0	0	1	0	2
		60000	0	9	9	7	1	3	0	0	29
		75000	2	44	38	18	15	3	0	0	120
		100000	1	67	71	39	9	1	0	0	188
	5 Years	36000	1	5	1	2	1	2	0	0	12
		48000	0	4	4	1	1	1	0	0	11
		60000	1	57	50	20	25	6	1	0	160
		75000	5	231	297	205	114	59	0	0	911
		100000	5	282	286	190	121	23	2	0	909
	6 Years	36000	0	10	13	2	7	16	0	0	48
		48000	1	10	17	6	3	14	2	0	53
		60000	3	143	186	63	89	143	3	0	630
		75000	9	377	457	233	264	348	3	0	1691
		100000	14	238	270	216	285	171	2	0	1196
	7 Years	36000	0	10	7	0	3	23	3	0	46
		48000	0	14	13	4	8	20	1	0	60
		60000	1	44	45	22	37	83	3	1	236
		75000	0	160	171	97	121	306	5	1	861
		100000	0	116	118	73	115	190	7	0	619

		Extended Warranty Coverage								
		Used Contracts - 2003-2004 Aviators								
Coverage		Plan Years								
Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010	
BASECARE	6 Months	6000	X	X	X	X	X	X	X	X
	1 Year	12000	X	X	X	X	X	X	X	X
	2 Year	24000	X	X	X	X	X	X	X	X
	3 Year	36000	X	X	X	X	X	X	X	X
	4 Year	48000	X	X	X	X	X	X	X	X

			Extended Warranty Contract Counts								Sum:
			Used Contracts - 2003-2004 Aviators								
Coverage			Plan Years								
Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010		
BASECARE	6 Months	6000	0	0	0	0	0	3	0	0	3
	1 Year	12000	0	0	0	0	2	17	1	0	20
	2 Year	24000	0	0	0	8	13	41	13	6	81
	3 Year	36000	0	0	0	2	6	13	17	4	42
	4 Year	48000	0	0	0	1	4	7	16	13	41

2003-2004 Aviators

		Extended Warranty Coverage								
		Used Contracts - 2003-2004 Aviators								
		Coverage		Plan Years						
EXTRACARE	Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010
	1 YEAR	12000	X	X	X	X	X	X	X	X
	2 YEARS	24000	X	X	X	X	X	X	X	X
	3 YEARS	36000	X	X	X	X	X	X	X	X
	4 YEARS	48000	X	X	X	X	X	X	X	X

			Extended Warranty Contract Counts								
			Used Contracts - 2003-2004 Aviators								
Coverage			Plan Years								
Time		Miles	2001	2002	2004	2005	2006	2007	2009	2010	Sum:
EXTRACARE	1 YEAR	12000	0	0	0	0	2	11	1	0	14
	2 YEARS	24000	0	0	0	1	15	36	30	12	94
	3 YEARS	36000	0	0	0	17	30	57	25	11	140
	4 YEARS	48000	0	2	0	2	6	22	31	15	78

		Extended Warranty Coverage								
		Used Contracts - 2003-2004 Aviators								
		Coverage		Plan Years						
PREMIUMCARE	Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010
	1 YEAR	12000	X	X	X	X	X	X	X	X
	2 YEARS	24000	X	X	X	X	X	X	X	X
	3 YEARS	36000	X	X	X	X	X	X	X	X
	4 YEARS	48000	X	X	X	X	X	X	X	X

			Extended Warranty Contract Counts								Sum:
			Used Contracts - 2003-2004 Aviators								
Coverage			Plan Years								
PREMIUMCARE	Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010	
	1 YEAR	12000	0	0	0	3	6	15	4	1	
	2 YEARS	24000	0	0	2	7	41	149	91	36	
	3 YEARS	36000	0	0	2	24	81	259	75	11	
	4 YEARS	48000	0	1	2	18	4	1	126	43	

		Extended Warranty Coverage								
		Used Contracts - 2003-2004 Aviators								
		Coverage		Plan Years						
RSHL	Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010
	2 MONTHS	3000	X	X	X	X	X	X	X	X
RSHL	3 MONTHS	4000	X	X	X	X	X	X	X	X

			Extended Warranty Contract Counts								Sum:
			Used Contracts - 2003-2004 Aviators								
Coverage			Plan Years								
Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010		
RSHL	2 MONTHS	3000	0	0	0	0	0	0	1	2	3
RSHL	3 MONTHS	4000	0	0	0	4	6	38	12	2	62

			Extended Warranty Coverage			
	Coverage		New Contracts - 2007 F-150			
	Time	Miles	2006	2007	2009	2010
BASECARE	3 Years	48000	X	X	X	X
		75000	X	X	X	X
		100000	X	X	X	X
	4 Years	48000	X	X	X	X
		60000	X	X	X	X
		75000	X	X	X	X
		100000	X	X	X	X
	5 Years	36000	X	X	X	X
		48000	X	X	X	X
		60000	X	X	X	X
		75000	X	X	X	X
		100000	X	X	X	X
	6 Years	36000	X	X	X	X
		48000	X	X	X	X
		60000	X	X	X	X
		75000	X	X	X	X
		100000	X	X	X	X
	7 Years	36000	X	X	X	X
		48000	X	X	X	X
		60000	X	X	X	X
		75000	X	X	X	X
		100000	X	X	X	X

		Extended Warranty Contract Counts					
Coverage		New Contracts - 2007 F-150					
Time	Miles	2006	2007	2009	2010		
BASECARE	3 Years	48000	0	0	1	0	1
		75000	0	0	1	0	1
		100000	16	85	1	0	102
	4 Years	48000	0	0	3	1	4
		60000	0	0	6	0	6
		75000	0	0	2	1	3
		100000	37	141	5	0	183
	5 Years	36000	0	0	1	1	2
		48000	0	0	4	2	6
		60000	0	0	10	3	13
		75000	0	0	22	2	24
		100000	184	884	42	9	1119
	6 Years	36000	0	0	0	1	1
		48000	0	0	2	1	3
		60000	0	0	19	8	27
		75000	53	273	33	23	382
		100000	31	194	38	7	270
	7 Years	36000	0	0	3	1	4
		48000	0	0	1	3	4
		60000	10	18	6	4	38
		75000	8	20	10	10	48
		100000	2	26	27	23	78

			Extended Warranty Coverage			
	Coverage		New Contracts - 2007 F-150			
	Time	Miles	2006	2007	2009	2010
EXTRACARE	3 Years	48000	X	X	X	X
		60000	X	X	X	X
		100000	X	X	X	X
	4 Years	48000	X	X	X	X
		60000	X	X	X	X
		75000	X	X	X	X
		100000	X	X	X	X
	5 Years	48000	X	X	X	X
		60000	X	X	X	X
		75000	X	X	X	X
		100000	X	X	X	X
	6 Years	36000	X	X	X	X
		48000	X	X	X	X
		60000	X	X	X	X
		75000	X	X	X	X
		100000	X	X	X	X
	7 Years	36000	X	X	X	X
		48000	X	X	X	X
		60000	X	X	X	X
		75000	X	X	X	X
		100000	X	X	X	X

		Extended Warranty Contract Counts					
Coverage		New Contracts - 2007 F-150					
Time	Miles	2006	2007	2009	2010		
EXTRACARE	3 Years	48000	0	0	3	1	4
		60000	0	0	2	0	2
		100000	14	79	5	0	98
	4 Years	48000	0	0	2	1	3
		60000	0	0	6	0	6
		75000	0	0	7	0	7
	100000	45	198	16	0	259	
	5 Years	48000	0	0	1	2	3
		60000	0	0	28	9	37
		75000	171	824	45	17	1057
		100000	149	779	63	11	1002
	6 Years	36000	0	0	2	2	4
		48000	0	0	0	8	8
		60000	0	0	45	21	66
		75000	173	1067	130	68	1438
		100000	100	342	117	25	584
	7 Years	36000	0	0	1	0	1
		48000	0	0	4	2	6
		60000	8	49	21	25	103
		75000	22	288	32	27	369
		100000	8	58	68	45	179

			Extended Warranty Coverage			
	Coverage		New Contracts - 2007 F-150			
	Time	Miles	2006	2007	2009	2010
PREMIUMCARE	3 Years	48000	X	X	X	X
		60000	X	X	X	X
		75000	X	X	X	X
		100000	X	X	X	X
	4 Years	48000	X	X	X	X
		60000	X	X	X	X
		75000	X	X	X	X
		100000	X	X	X	X
	5 Years	36000	X	X	X	X
		48000	X	X	X	X
		60000	X	X	X	X
		75000	X	X	X	X
		100000	X	X	X	X
	6 Years	36000	X	X	X	X
		48000	X	X	X	X
		60000	X	X	X	X
		75000	X	X	X	X
		100000	X	X	X	X
	7 Years	36000	X	X	X	X
		48000	X	X	X	X
		60000	X	X	X	X
		75000	X	X	X	X
		100000	X	X	X	X

		Extended Warranty Contract Counts					
Coverage		New Contracts - 2007 F-150					
Time	Miles	2006	2007	2009	2010		
PREMIUMCARE	3 Years	48000	0	0	3	2	5
		60000	67	238	4	2	311
		75000	58	257	7	2	324
		100000	150	721	5	1	877
	4 Years	48000	0	0	12	10	22
		60000	75	295	24	2	396
		75000	101	459	33	0	593
		100000	285	1550	69	7	1911
	5 Years	36000	7	119	5	6	137
		48000	5	140	16	14	175
		60000	739	4478	244	102	5563
		75000	1437	8511	448	79	10475
		100000	1092	6947	478	50	8567
	6 Years	36000	14	182	30	44	270
		48000	18	242	61	56	377
		60000	565	3342	434	300	4641
		75000	1497	9729	1111	449	12786
		100000	489	2964	948	252	4653
	7 Years	36000	3	116	50	52	221
		48000	9	137	70	65	281
60000		99	550	214	202	1065	
75000		124	863	280	230	1497	
100000		80	500	680	457	1717	

			Extended Warranty Coverage			
	Coverage		Used Contracts - 2007 F-150			
	Time	Miles	2006	2007	2009	2010
BASECARE	6 Months	6000	X	X	X	X
	1 Year	12000	X	X	X	X
	2 Years	24000	X	X	X	X
	3 Years	36000	X	X	X	X
	4 Years	48000	X	X	X	X

			Extended Warranty Contract Counts				
Coverage			Used Contracts - 2007 F-150				
			2006	2007	2009	2010	
BASECARE	Time	Miles	2006	2007	2009	2010	
	6 Months	6000	0	0	3	1	4
	1 Year	12000	0	0	4	3	7
	2 Years	24000	0	5	26	37	68
	3 Years	36000	0	15	70	105	190
	4 Years	48000	0	6	69	109	184

			Extended Warranty Coverage			
	Coverage		Used Contracts - 2007 F-150			
	Time	Miles	2006	2007	2009	2010
EXTRACARE	1 Year	12000	X	X	X	X
	2 Years	24000	X	X	X	X
	3 Years	36000	X	X	X	X
	4 Years	48000	X	X	X	X

			Extended Warranty Contract Counts					
Coverage			Used Contracts - 2007 F-150					
Time			Miles	2006	2007	2009	2010	
EXTRACARE	1 Year	12000	0	0	3	1		4
	2 Years	24000	0	6	36	60		102
	3 Years	36000	0	20	136	176		332
	4 Years	48000	0	11	101	174		286

			Extended Warranty Coverage			
	Coverage		Used Contracts - 2007 F-150			
	Time	Miles	2006	2007	2009	2010
PREMIUMCARE	1 Year	12000	X	X	X	X
	2 Years	24000	X	X	X	X
	3 Years	36000	X	X	X	X
	4 Years	48000	X	X	X	X

			Extended Warranty Contract Counts				
Coverage			Used Contracts - 2007 F-150				
Time		Miles	2006	2007	2009	2010	
PREMIUMCARE	1 Year	12000	0	0	4	8	12
	2 Years	24000	0	13	86	106	205
	3 Years	36000	1	36	296	395	728
	4 Years	48000	0	51	389	635	1075

			Extended Warranty Coverage			
	Coverage		Used Contracts - 2007 F-150			
	Time	Miles	2006	2007	2009	2010
ROYALSHIELD	1 Month	1000	X	X	X	X
	2 Months	3000	X	X	X	X
	3 Months	4000	X	X	X	X

			Extended Warranty Contract Counts				
Coverage			Used Contracts - 2007 F-150				
			2006	2007	2009	2010	
ROYALSHIELD	Time	Miles					
	1 Month	1000	0	0	2	2	4
	2 Months	3000	0	0	2	2	4
	3 Months	4000	0	7	43	40	90

2007 Mark LT Peer

			Extended Warranty Coverage			
	Coverage		New Contracts - 2007 Mark LT			
	Time	Miles	2006	2007	2009	2010
BASECARE	5 Years	100000	X	X	X	X
	6 Years	75000	X	X	X	X
		100000	X	X	X	X
	7 Years	75000	X	X	X	X

			Extended Warranty Contract Counts				
Coverage			New Contracts - 2007 Mark LT				
TimeMiles			2006	2007	2009	2010	
BASECARE	5 Years	100000	1	1	0	0	2
	6 Years	75000	0	1	0	0	1
		100000	0	1	0	0	1
	7 Years	75000	0	1	0	0	1

			Extended Warranty Coverage			
	Coverage		New Contracts - 2007 Mark LT			
	Time	Miles	2006	2007	2009	2010
EXTRACARE	4 Years	100000	X	X	X	X
	5 Years	75000	X	X	X	X
		100000	X	X	X	X
	6 Years	75000	X	X	X	X
		100000	X	X	X	X
	7 Years	75000	X	X	X	X
		100000	X	X	X	X

			Extended Warranty Contract Counts				
Coverage			New Contracts - 2007 Mark LT				
			2006	2007	2009	2010	
EXTRACARE	Time	Miles					
	4 Years	100000	0	4	0	0	4
	5 Years	75000	1	3	0	1	5
		100000	2	3	1	0	6
	6 Years	75000	4	4	1	1	10
		100000	0	4	2	1	7
	7 Years	75000	3	9	2	0	14
		100000	0	3	1	1	5

2007 Mark LT Peer

			Extended Warranty Coverage			
	Coverage		New Contracts - 2007 Mark LT			
	Time	Miles	2006	2007	2009	2010
PREMIUMCARE	3 Years	75000	X	X	X	X
		100000	X	X	X	X
	4 Years	75000	X	X	X	X
		100000	X	X	X	X
	5 Years	36000	X	X	X	X
		48000	X	X	X	X
		60000	X	X	X	X
		75000	X	X	X	X
	6 Years	100000	X	X	X	X
		36000	X	X	X	X
		48000	X	X	X	X
		60000	X	X	X	X
	7 Years	75000	X	X	X	X
		100000	X	X	X	X
		36000	X	X	X	X
		48000	X	X	X	X
		60000	X	X	X	X
		75000	X	X	X	X

			Extended Warranty Contract Counts				
Coverage			New Contracts - 2007 Mark LT				
Time	Miles	2006	2007	2009	2010		
PREMIUMCARE	3 Years	75000	2	4	0	0	6
		100000	3	6	1	0	10
	4 Years	75000	2	7	3	0	12
		100000	4	40	5	2	51
	5 Years	36000	0	1	0	0	1
		48000	0	1	0	0	1
		60000	3	16	4	0	23
		75000	13	81	13	5	112
	6 Years	100000	30	146	22	4	202
		36000	0	4	0	1	5
		48000	0	4	1	0	5
		60000	4	46	12	10	72
	7 Years	75000	30	155	38	17	240
		100000	17	144	52	23	236
		36000	0	1	0	0	1
		48000	0	5	3	6	14
	7 Years	60000	3	12	15	5	35
		75000	7	41	26	18	92
		100000	11	40	58	48	157

			Extended Warranty Coverage			
	Coverage		Used Contracts - 2007 Mark LT			
	Time	Miles	2006	2007	2009	2010
BASECARE	3 Years	36000	X	X	X	X
	4 Years	48000	X	X	X	X

			Extended Warranty Contract Counts				
Coverage			Used Contracts - 2007 Mark LT				
Time	Miles	2006	2007	2009	2010		
BASECARE	3 Years	36000	0	1	0	1	2
	4 Years	48000	0	0	0	3	3

2007 Mark LT Peer

			Extended Warranty Coverage			
	Coverage		Used Contracts - 2007 Mark LT			
	Time	Miles	2006	2007	2009	2010
EXTRACARE	3 Years	36000	X	X	X	X
	4 Years	48000	X	X	X	X

			Extended Warranty Contract Counts				
Coverage			Used Contracts - 2007 Mark LT				
	Time	Miles	2006	2007	2009	2010	
EXTRACARE	3 Years	36000	0	0	0	1	1
	4 Years	48000	0	0	3	1	4

			Extended Warranty Coverage			
	Coverage		Used Contracts - 2007 Mark LT			
	Time	Miles	2006	2007	2009	2010
PREMIUMCARE	2 Years	24000	X	X	X	X
	3 Years	36000	X	X	X	X
	4 Years	48000	X	X	X	X

			Extended Warranty Contract Counts				
Coverage			Used Contracts - 2007 Mark LT				
Time		Miles	2006	2007	2009	2010	
PREMIUMCARE	2 Years	24000	0	0	3	5	8
	3 Years	36000	0	1	5	4	10
	4 Years	48000	0	1	14	15	30

2004-2006 Navigator Peer

			Extended Warranty Coverage							
	Coverage		New Contracts - 2004-2006 Navigator							
	Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010
BASECARE	3 Years	75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
	4 Years	60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
	5 Years	60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
	6 Years	60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
	7 Years	36000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X

		Extended Warranty Contract Counts									sum:
Coverage		New Contracts - 2004-2006 Navigator									
Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010		
BASECARE	3 Years	75000	0	0	0	1	0	0	0	0	1
		100000	0	0	0	1	0	1	0	0	2
	4 Years	60000	0	0	2	0	1	0	0	0	3
		75000	0	0	3	0	0	1	0	0	4
		100000	0	0	3	0	1	2	0	0	6
	5 Years	60000	0	0	1	2	0	2	0	0	5
		75000	0	0	8	6	1	3	3	0	21
		100000	0	0	3	5	5	4	1	0	18
	6 Years	60000	0	0	1	0	1	2	0	1	5
		75000	0	2	18	8	9	9	1	1	48
		100000	0	0	12	10	3	13	1	0	39
	7 Years	36000	0	0	0	0	0	1	0	0	1
75000		0	0	2	1	1	2	0	1	7	
100000		0	0	2	0	2	4	3	1	12	

			Extended Warranty Coverage							
	Coverage		New Contracts - 2004-2006 Navigator							
	Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010
EXTRACARE	3 Years	60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
	4 Years	48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
	5 Years	36000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
	6 Years	36000	X	X	X	X	X	X	X	X
		48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
	7 Years	48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X

		Extended Warranty Contract Counts									
Coverage		New Contracts - 2004-2006 Navigator									
Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010		
EXTRACARE	3 Years	60000	0	0	0	1	0	0	0	0	1
		75000	0	0	1	0	0	0	0	0	1
		100000	0	0	2	0	0	0	0	0	2
	4 Years	48000	0	0	1	0	0	0	2	1	4
		60000	0	0	3	5	1	0	0	0	9
		75000	0	0	1	3	3	0	0	0	7
	100000	0	1	23	79	39	6	0	0	148	
	5 Years	36000	0	0	1	0	0	0	0	0	1
		60000	0	0	11	5	2	3	1	0	22
		75000	0	0	43	27	18	19	2	0	109
	100000	0	2	32	29	20	12	4	0	99	
	6 Years	36000	0	0	0	0	0	1	0	0	1
		48000	0	0	1	1	1	1	1	0	5
		60000	0	0	12	7	5	4	4	1	33
	75000	0	0	48	34	26	41	17	1	167	
	100000	0	2	22	29	25	43	14	1	136	
	7 Years	48000	0	0	1	1	0	0	0	0	2
60000		0	0	0	2	2	1	1	0	6	
75000		0	0	47	19	6	11	5	3	91	
100000	0	1	13	5	6	8	10	2	45		

2004-2006 Navigator Peer

			Extended Warranty Coverage							
	Coverage		New Contracts - 2004-2006 Navigator							
	Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010
PREMIUMCARE	3 Years	60000	X	X	X	X	X	X	X	X
		62500	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
	4 Years	48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
	5 Years	36000	X	X	X	X	X	X	X	X
		48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
	6 Years	36000	X	X	X	X	X	X	X	X
		48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X
	7 Years	36000	X	X	X	X	X	X	X	X
		48000	X	X	X	X	X	X	X	X
		60000	X	X	X	X	X	X	X	X
		75000	X	X	X	X	X	X	X	X
		100000	X	X	X	X	X	X	X	X

		Extended Warranty Contract Counts									
Coverage		New Contracts - 2004-2006 Navigator									
Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010		
PREMIUMCARE	3 Years	60000	0	1	13	19	8	3	0	0	44
		62500	0	0	1	0	0	0	0	0	1
		75000	0	1	20	38	12	3	0	0	74
		100000	1	3	34	45	14	4	0	0	101
	4 Years	48000	0	0	1	2	0	0	3	1	7
		60000	0	0	33	15	17	3	2	0	70
		75000	0	4	81	52	31	22	1	0	191
		100000	0	5	155	166	76	26	2	0	430
	5 Years	36000	0	0	3	3	0	1	0	0	7
		48000	0	0	2	7	1	6	2	1	19
		60000	0	3	72	70	24	31	17	2	219
		75000	1	11	322	342	211	185	25	3	1100
		100000	1	29	594	570	384	247	36	3	1864
	6 Years	36000	0	0	6	9	2	11	2	3	33
		48000	0	0	11	9	0	17	11	2	50
		60000	0	9	162	140	66	178	63	17	635
		75000	1	21	429	492	392	738	158	26	2257
		100000	4	14	462	473	468	757	237	26	2441
	7 Years	36000	0	0	10	2	4	15	20	5	56
		48000	0	1	15	7	4	25	32	7	91
60000		0	2	48	37	19	94	103	40	343	
75000		0	9	240	223	120	440	153	58	1243	
100000		0	8	223	204	156	511	523	149	1774	

			Extended Warranty Coverage							
	Coverage		Used Contracts - 2004-2006 Navigator							
	Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010
BASECARE	1 Year	12000	X	X	X	X	X	X	X	X
	2 Years	24000	X	X	X	X	X	X	X	X
	3 Years	36000	X	X	X	X	X	X	X	X
	4 Years	48000	X	X	X	X	X	X	X	X

			Extended Warranty Contract Counts								
Coverage			Used Contracts - 2004-2006 Navigator								
Time		Miles	2001	2002	2004	2005	2006	2007	2009	2010	
BASECARE	1 Year	12000	0	0	0	0	0	10	1	2	13
	2 Years	24000	0	0	0	2	9	50	23	6	90
	3 Years	36000	0	0	0	0	6	27	17	19	69
	4 Years	48000	0	0	0	0	2	12	19	14	47

2004-2006 Navigator Peer

			Extended Warranty Coverage							
	Coverage		Used Contracts - 2004-2006 Navigator							
	Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010
EXTRACARE	1 Year	12000	X	X	X	X	X	X	X	X
	2 Years	24000	X	X	X	X	X	X	X	X
	3 Years	36000	X	X	X	X	X	X	X	X
	4 Years	48000	X	X	X	X	X	X	X	X

			Extended Warranty Contract Counts								
Coverage			Used Contracts - 2004-2006 Navigator								
Time		Miles	2001	2002	2004	2005	2006	2007	2009	2010	
EXTRACARE	1 Year	12000	0	0	0	0	0	11	1	3	15
	2 Years	24000	0	0	0	1	6	52	51	37	147
	3 Years	36000	0	0	0	0	14	58	83	34	189
	4 Years	48000	0	0	0	1	7	18	68	40	134

			Extended Warranty Coverage							
	Coverage		Used Contracts - 2004-2006 Navigator							
	Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010
PREMIUMCARE	1 Year	12000	X	X	X	X	X	X	X	X
	2 Years	24000	X	X	X	X	X	X	X	X
	3 Years	36000	X	X	X	X	X	X	X	X
	4 Years	48000	X	X	X	X	X	X	X	X

			Extended Warranty Contract Counts								
Coverage		Used Contracts - 2004-2006 Navigator									
Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010		
PREMIUMCARE	1 Year	12000	0	0	0	0	3	20	9	6	
	2 Years	24000	0	0	6	2	19	194	188	93	502
	3 Years	36000	0	0	4	12	55	441	191	91	794
	4 Years	48000	0	0	6	7	28	107	413	196	757

			Extended Warranty Coverage							
	Coverage		Used Contracts - 2004-2006 Navigator							
	Time	Miles	2001	2002	2004	2005	2006	2007	2009	2010
ROYALSHIELD	1 Month	1000	X	X	X	X	X	X	X	X
	2 Months	3000	X	X	X	X	X	X	X	X
	3 Months	4000	X	X	X	X	X	X	X	X

			Extended Warranty Contract Counts								
Coverage			Used Contracts - 2004-2006 Navigator								
Time	Miles		2001	2002	2004	2005	2006	2007	2009	2010	
ROYALSHIELD	1 Month	1000	0	0	0	0	0	0	1		1
	2 Months	3000	0	0	0	0	0	0	0	1	1
	3 Months	4000	0	0	0	0	3	28	12	12	55

EA10-001

FORD

05/14/2010

Appendix H

EA10-001

FORD

05/14/2010

Appendix H

Engineering Review Documents

Spoto, Thomas (T.A.)

Subject: 2007 P221 Post Durability Hoist review/ Teardown - 301W890
Location: EVB Hoist TBD

Start: Mon 2/27/2006 7:00 AM
End: Mon 2/27/2006 3:30 PM

Recurrence: Daily
Recurrence Pattern: every day from 7:00 AM to 3:30 PM

Meeting Status: Accepted

Required Attendees: P221 Body Exterior; P221 Body Interior; P221 CAD/CAE; P221 Chassis; P221 Climate Control; P221 DPAT; P221 Electrical; P221 P/T; P221 Teardown

Please forward as appropriate:

2007 P221 Post Durability Hoist review/ Teardown

Location: EVB (X-garage), Hoist TBD, Durability Contact - Will Parrish 805-4343, EVB Senior Mechanic - Joan Mate 32-32609

Vehicle **301W890 (2007 CP 5.4L 3V 139"WB CC 4x2)** has completed durability testing and will be at EVB on Monday, 2/27/06.

Vehicle has completed: **100% R314**
50% R387 (Hankook Tires)

Schedule:

Monday 2/27 thru Tuesday 2/28 - Open Hoist Review
Wednesday 3/1 - Start Teardown

Part Removal Process:

Master WORQ order #**0796703** has been created for the teardown at EVB.

Individuals requiring parts from this vehicle must follow the attached instructions which will create a 'Linked' work order for removal of your part.

*****ALL WORQ ORDERS MUST BE SUBMITTED BY COB 2/28*****

*****TEARDOWN WILL BEGIN Wednesday, 3/1*****

Be sure to include the following in your WORQ request:

- Requester name and phone number
- Parts requested (description and part number)
- Any torque data required
- Shipping location and address or GPIRS code (or specify pick-up)

You will receive an email from EVB when your parts are removed and available, or have been shipped. Any parts not requested and/or not picked up will be scrapped.



WORQ How-to.doc
(64 B)

Please submit a WORQ request per the above process in addition to any verbal, email, or other standing requests.

Summary Incidents Report

Dates: 01-JAN-1900 - 01-MAR-2006

Vehicle: 301W890

Incident Type(s): COMPONENT, DEFECT, EVALUATION, GENERAL INFO, INSP/MAINT/MEAS, UPDATE

Program: P221					
Sub Program: 2007 P221 CP					
301W890 - FORD - F150 - TRITON - REG CAB - 5.4L - 4R75E - RWD					
Type	Date	Odo	%Comp.	Incident	Crcr
GENERAL INFO	07-OCT-05	0 M	0	Engineering Sign off	
GENERAL INFO	07-OCT-05	0 M	0	890 BOM part 1	
GENERAL INFO	07-OCT-05	0 M	0	890 BOM Part 2	
GENERAL INFO	07-OCT-05	0 M	0	EVB Checklist	
GENERAL INFO	07-OCT-05	0 M	0	890 Torques	
GENERAL INFO	19-DEC-05	0 M		Steering cycles removed from Duris TR counts	
GENERAL INFO	19-DEC-05	0 M		IVD events removed from Duris TR counts	
INSP/MAINT/MEAS	20-DEC-05	0 M		Tail gate has 2.0mm of side to side slop.	
DEFECT	20-DEC-05	0 M		Cab to box contact.	C11510555
INSP/MAINT/MEAS	05-OCT-05	110 M		Initial Safety	
INSP/MAINT/MEAS	05-OCT-05	110 M		Initial Maintenance	
INSP/MAINT/MEAS	13-OCT-05	2222 M		Post Break-in Maintenance	
INSP/MAINT/MEAS	20-OCT-05	7822 M	9.3	25cyc. Maintenance	
INSP/MAINT/MEAS	24-OCT-05	13929 M	21	50cyc. Maintenance	
INSP/MAINT/MEAS	27-OCT-05	19025 M	30.65	75cyc. Maint.	
INSP/MAINT/MEAS	31-OCT-05	24510 M	30.65	100cyc. Maintenance and Codes	
INSP/MAINT/MEAS	04-NOV-05	30132 M	30.65	125cyc. Maint.	
INSP/MAINT/MEAS	07-NOV-05	34470 M	57.7	150cyc. Maintenance	
DEFECT	09-NOV-05	35550 M		Crank but no start.	C11840208
INSP/MAINT/MEAS	16-NOV-05	41069 M	65.7	175cyc. Maintenance	
INSP/MAINT/MEAS	19-NOV-05	46526 M	65.7	200cyc. Maintenance	
INSP/MAINT/MEAS	22-NOV-05	51955 M	65.7	225cyc. Maintenance	
GENERAL INFO	17-JAN-06	55270 M		R314 Final report	
UPDATE	01-DEC-05	57270 M	95.2	Update 4x2 truck with Hankook tires 7L34-AA	
UPDATE	01-DEC-05	57270 M	95.2	Update air deflectors	
DEFECT	20-DEC-05	57270 M	95.2	Park brake handle fasteners loose	N/A
GENERAL INFO	20-DEC-05	57270 M	95.2	Cut 5X5 carpet flaps	
INSP/MAINT/MEAS	01-DEC-05	57271 M		Final Maintenance	
INSP/MAINT/MEAS	20-DEC-05	57400 M	3.8	Pre dura inspection	
INSP/MAINT/MEAS	04-JAN-06	58839 M	46.75	Fuel Filler Housing Loose to Pickup Box	
DEFECT	04-JAN-06	58848 M		Dust in vehicle through door S/M past polyshield.	N/A
DEFECT	04-JAN-06	58848 M		Cab to box contact.	C11510555
INSP/MAINT/MEAS	09-JAN-06	60130 M	74.55	Hood does not pop up with inside release lever	
GENERAL INFO	09-JAN-06	60448 M	74.55	301W890_2C1 cycles complete	
INSP/MAINT/MEAS	10-JAN-06	60448 M		End of C1 alingment	

INSP/MAINT/MEAS	10-JAN-06	60448 M	84.08	End of C1 suspension test	
INSP/MAINT/MEAS	10-JAN-06	60448 M	84.08	Load for G1	
DEFECT	10-JAN-06	60448 M	84.08	Exhaust fastener missing - fit of muffler	C11847558
DEFECT	10-JAN-06	60448 M	84.08	Backing plate rubber plug missing	N/A
GENERAL INFO	12-JAN-06	61308 M		L/R tire flat	
DEFECT	13-JAN-06	61464 M		R/H engine mount isolator is split.	N/A
DEFECT	13-JAN-06	61464 M		ABS light on.	N/A
DEFECT	18-JAN-06	61894 M		Lwr air deflector, lwr push pins out of holes.	N/A
DEFECT	20-JAN-06	62940 M	55.4	Airbag light on	
INSP/MAINT/MEAS	24-JAN-06	63931 M	74.34	Load Change	
INSP/MAINT/MEAS	26-JAN-06	63931 M	66.32	Final inspection and sign off	
INSP/MAINT/MEAS	26-JAN-06	63931 M	66.32	Alignment measurement	
INSP/MAINT/MEAS	26-JAN-06	63931 M	66.32	Ride height measurement	
INSP/MAINT/MEAS	26-JAN-06	63931 M	66.32	Suspension analyzer measurement	

[[Duris Home](#) | [About DURIS](#) | [Related Web Sites](#) | [Contacts](#) | [Help](#)]

Detailed Incidents Report**Incident:** 528903**Program:** P221**Sub Program:** 2007 P221 CP**301W890 - FORD - F150 - TRITON - REG CAB - 5.4L - 4R75E - RWD****Vehicle** 301W890**D Incident** ABS light on.

(No:528903)

ABS light was no,

Date: 13-JAN-06 **Odo:** 61464 M **Test:** 387G1 **%Comp:****CPSC:** 06.09.00 **Crcr:** **Status:****PMT:** 3B Brakes**Meets ARL:** N **Serviceability:** N**Reported:** EBRUCKER CDOORLAG DBASS DSMIT NMURAWSK SLAMBER1**Update No:** **Status:** CLOSED**Shipped To:** **Shipping Date:** **Invoice No:****Action** **Mechanic did not pull codes**

Mechanic disconnected the battery prior to pulling codes. Light did not return after going back to test.

Date: 13-JAN-06 **Odo:** 61464 M**Parts****Pics/Docs****No Concern** Monitor - Potential Concern

Cades were erased when battery disconnected.

Replies**Reply**

LAST UPDATED ON 20-JAN-06 BY CHASSING

[\[Duris Home | About DURIS | Related Web Sites | Contacts | Help \]](#)

Detailed Incidents Report**Incident:** 529196**Program:** P221**Sub Program:** 2007 P221 CP**301W890 - FORD - F150 - TRITON - REG CAB - 5.4L - 4R75E - RWD****Vehicle** 301W890**D Incident** Airbag light on (No:529196)

Shift #3 - Driver reported when he started the engine the airbag light came on. DK verified airbag light on - airbag in NOT inert. W/R issued by RH. DK for JH/RH

Date: 20-JAN-06 **Odo:** 62940 M **Test:** 387G1 **% Comp:** 55.4

CPSC: 01.20.05 **Crcr:** **Status:**

PMT: 2BB Restraints

Meets ARL: N **Serviceability:** N

Reported: VALEXAN4 APHILIP BOKEEFE EWEBER3 FSALEEM JCOMIEZ MMERIDET WPARRIS1
WPIERCE

Update No: **Status:** CLOSED

Shipped To: **Shipping Date:** **Invoice No:**

Action DTC B-2293

Conduct a pin point test for B-2293. Fault pid indicated D_ABAG2 = STG. The insulation on the red wire w/ black stripe was worn through to copper allowing a short to ground at the airbag assembly housing. The yellow protective sleeve was bunched up and was not providing any protection where the wire was chaffing on the assembly housing.

Date: 20-JAN-06 **Odo:** 62940 M

Parts

Pics/Docs 

Replies



LAST UPDATED ON 30-JAN-06 BY JBLEDSE

[[Duris Home](#) | [About DURIS](#) | [Related Web Sites](#) | [Contacts](#) | [Help](#)]

Program	P221
Sub Program	2007 P221 CP
Vehicle	301W890 Test Plan
Vehicle Specifications	
Model Year	2007
Make	FORD
Model	F150
VIN	1FTPW12506F [REDACTED]
Full Prototype	Y
Prototype Phase	CP
Body Type	REG CAB
Pick Up Box Style	STYLE SIDE
Engine Displacement	5.4L
Engine Configuration	V8
Valves per cylinder	3
Engine Description	TRITON
Fuel Type	UNLEADED - REGULAR
Horsepower	300
Drive Wheels	RWD
Antilock Brakes	Y
Wheel Size	17
Axle Ratio	3.73
Transmission	4R75E
Transmission Type	AUTOMATIC
Steering Location	LHD
Wheelbase	139 IN
GVM	6800 LB
ACD	
A/C COOLING FLUID SPEC	R134A
A/C REFRIGERANT CAPACITY	35 LBS
A/C REFRIGERANT OIL CAPACITY	8 OZ
A/C REFRIGERANT OIL TYPE	WSH-M1C231-B
AIR CONDITIONING	Y
BODY	
BODY COLOR	WHITE
CHASSIS	
ABS	Y

AIR SUSPENSION	N
BRAKE FLUID SPECIFICATION	ESA M6C25 A [DOT3]
FRONT TIRE SIZE	P255/65R17
FUEL FILTER	FG-986-B
IVD	N
MAX REAR SUSPENSION MASS	3800 LBS
MAX. FRONT SUSPENSION MASS	3000 LBS
PAS OIL SPECIFICATION	-
REAR TIRE SIZE	P255/65R17
SPARKPLUG	PZT-TFE
STEERING SYSTEM GREASE	M1C-75-B
TIRE DISPOSITION	SCRAP
TIRE MODEL	LTX A/S
TIRE PRESSURE FRONT LADEN	35 PSI
TIRE PRESSURE FRONT UNLADEN	35 PSI
TIRE PRESSURE REAR LADEN	35 PSI
TIRE PRESSURE REAR UNLADEN	35 PSI
TORQUE STICKS	19MM / 136 NM / GRAY
TORQUE WHEELNUTS	135 LB-FT
TPMS	N
TRACTION CONTROL	Y
TYRE MAKE	MICHELIN
ELECTRICAL	
BATTERY TYPE	12V
ENGINE	
AIR FILTER	FA-1754
COOLING FLUID SPECIFICATION	WSS-M97B51-A1 G05
ENGINE COOLANT COLOR	YELLOW
ENGINE COOLANT MIX	50/50
ENGINE OIL REFILL CAPACITY	7 QTS
ENGINE OIL SPECIFICATION	5W20 GF4 M2C930A
ENGINE OILFILTER	FL-820 S
FUEL SPECIFICATION	ESE-M4C90-A (REG. UNLEADED)
HYDRAULIC COOLING FAN FLUID	Not Applicable
MAKE / TYPE	5.4 3V
GENERAL	
AIRBAG CONDITION	ACTIVE
CAMOUFLAGE	N

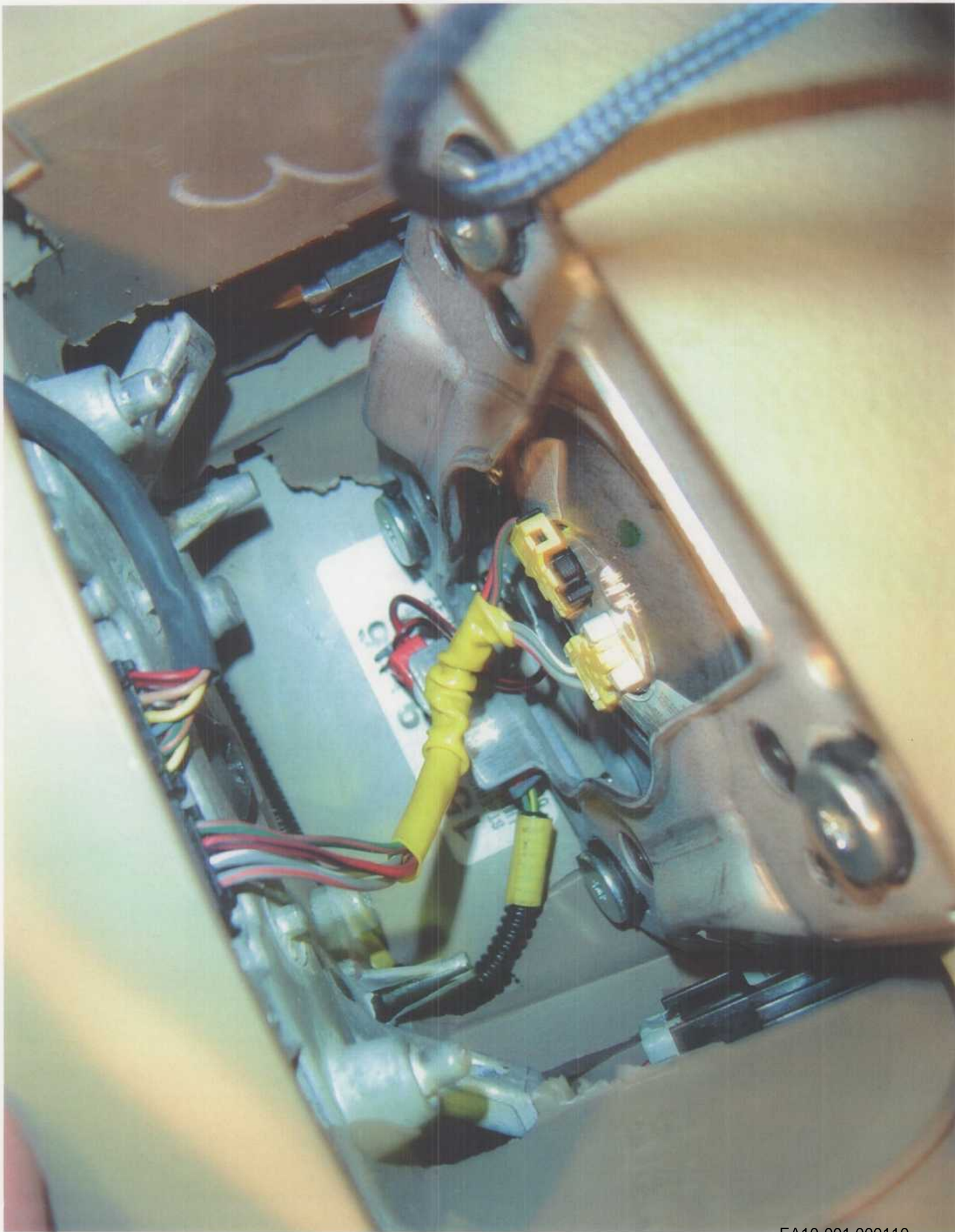
ENGINE OIL TEMP. ABORT	300 F
ENGINE OIL TEMP. ALARM	285 F
FUEL TANK CAPACITY	35.7 G
MAX FRONT SUSPENSION MASS	3000 LBS
MAX REAR SUSPENSION MASS	3800 LBS
MAX SPEED - CURB	95 MPH
MAX SPEED - GVM	- MPH
REAR AXLE TEMP. ABORT	325 F
REAR AXLE TEMP. ALARM	295 F
TOP WATER TEMP. ABORT	245 F
TOP WATER TEMP. ALARM	235 F
TRANSM OIL TEMP. ABORT	248 F
TRANSM OIL TEMP. ALARM	238 F
TRANSM	
AUTOMATIC-MANUAL	A
DIFFERENTIAL REAR - FINALDRIVE	3.55
DIFFERENTIAL REAR - OIL SPEC	M2C197A
SEALED TRANSMISSION	N
TRANSMISSION MODEL	4R7 5E
TRANSMISSION OIL SPECIFICATION	WSS-M2C919-E
WEIGHT	
LM seat GVM	150 LBS
LM seat test load	0 LBS
LR seat GVM	150 LBS
LR seat test load	0 LBS
LUG GVM	N/A LBS
LUG test load	N/A LBS
RF seat GVM	150 LBS
RF seat test load	150 LBS
RM seat GVM	150 LBS
RM seat test load	N/A LBS
RR seat GVM	150 LBS
RR seat test load	0 LBS
Trailer CR test load	N/A LBS
Trailer FC test load	N/A LBS
Trailer LM test load	N/A LBS
Trailer LR test load	N/A LBS
Trailer LUG test load	N/A LBS

Trailer RF test load	N/A LBS
Trailer RM test load	N/A LBS
Trailer RR test load	N/A LBS

[[Duris Home](#) | [About DURIS](#) | [Related Web Sites](#) | [Contacts](#) | [Help](#)]

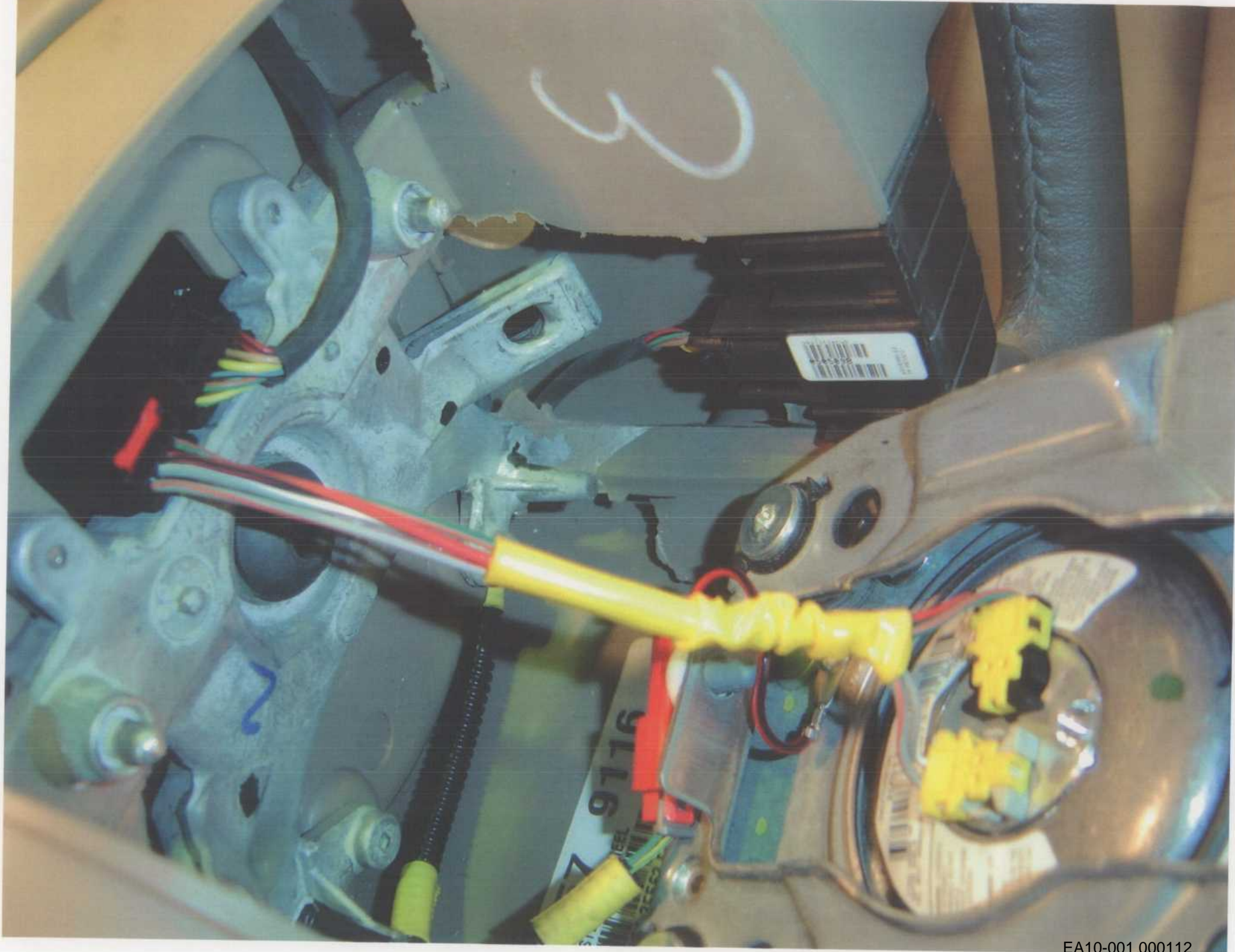








EA10-001 000111



From: Beauchamp, Tina [TBeauchamp@lear.com]
Sent: Wednesday, March 17, 2010 12:26 PM
To: Culkeen, Patrick (P.M.)
Subject: RE: Quote Status for F-150 Driver Air Bag Jumper

It arrived in El Paso but then they had to get it shipped to the plant in Chihuahua and Mexico was on Holiday on Monday so that's why it took a couple extra days.

Tina
Sr. Account Manager
248-447-1964 phone
248-447-1920 fax

From: Culkeen, Patrick (P.M.) [mailto:pculkeen@ford.com]
Sent: Wednesday, March 17, 2010 12:24 PM
To: Beauchamp, Tina
Subject: RE: Quote Status for F-150 Driver Air Bag Jumper

Tina,

I'm surprised that it took so long to get down to Mexico. I am expecting the urgency to increase with each week. Please keep me posted.

Patrick M. Culkeen

Ford Motor Company

Automotive Safety Office
External Safety Investigations
Fairlane Plaza South, Suite 500
330 Town Center Drive
Dearborn, MI 48126-2738 USA
W: (313) 594-4792
F: (313) 594-2268

From: Beauchamp, Tina [mailto:TBeauchamp@lear.com]
Sent: Wednesday, March 17, 2010 10:36 AM
To: Culkeen, Patrick (P.M.)
Subject: RE: Quote Status for F-150 Driver Air Bag Jumper

Hi,

My plant received the jumper yesterday and Engineering is checking their dimensions to determine

the lengths and diameters to be required from the vendors and find out their availability. As soon as they are completed with their analysis they will let me know.

I will keep you posted.

Tina

Sr. Account Manager

248-447-1964 phone

248-447-1920 fax

From: Culkeen, Patrick (P.M.) [mailto:pculkeen@ford.com]

Sent: Wednesday, March 17, 2010 10:24 AM

To: Beauchamp, Tina

Subject: Quote Status for F-150 Driver Air Bag Jumper

Tina,

Any word back from engineering on the status of the drawing/quote?

Patrick M. Culkeen

Ford Motor Company

Automotive Safety Office

External Safety Investigations

Fairlane Plaza South, Suite 500

330 Town Center Drive

Dearborn, MI 48126-2738 USA

W: (313) 594-4792

F: (313) 594-2268

** LEGAL DISCLAIMER **

This E-mail message and any attachments may contain legally privileged, confidential or proprietary information. If you are not the intended recipient(s), or the employee or agent responsible for delivery of this message to the intended recipient(s), you are hereby notified that any dissemination, distribution or copying of this E-mail message is strictly prohibited. If you have received this message in error, please immediately notify the sender and delete this E-mail message from your computer.

** LEGAL DISCLAIMER **

This E-mail message and any attachments may contain

legally privileged, confidential or proprietary information. If you are not the intended recipient(s), or the employee or agent responsible for delivery of this message to the intended recipient(s), you are hereby notified that any dissemination, distribution or copying of this E-mail message is strictly prohibited. If you have received this message in error, please immediately notify the sender and delete this E-mail message from your computer.

From: Beauchamp, Tina [TBeauchamp@lear.com]
Sent: Tuesday, March 23, 2010 12:16 PM
To: Culkeen, Patrick (P.M.)
Subject: RE: Quote Status for F-150 Driver Air Bag Jumper
Follow Up Flag: Follow up
Flag Status: Red
Attachments: RE: Clockspring Jumper Harness

Hi Pat,

My plant has defined the components and contacted suppliers. We are having an issue with Tyco on component P/N 1456983-1. Please see the attached e-mail we received from them. If you can assist that would be great.

- 1) I received a quote from Zannxx, yellow braided sleeve.
- 2) FCI is quoting the subassembly.
- 3) Tyco is unable to support our needs, this is the answer I received from them. Please see attachment, I insisted on a quote, and they insisted they can't quote. The part number is 1456983-1.

Also, my plant is going to send me the updated print so as soon as I receive it I will send it to you for review.

If you have any questions, please let me know. Thank you.

Tina

Sr. Account Manager
248-447-1964 phone
248-447-1920 fax

From: Culkeen, Patrick (P.M.) [mailto:pculkeen@ford.com]
Sent: Wednesday, March 17, 2010 10:24 AM
To: Beauchamp, Tina
Subject: Quote Status for F-150 Driver Air Bag Jumper

Tina,

Any word back from engineering on the status of the drawing/quote?

Patrick M. Culkeen

Ford Motor Company

Automotive Safety Office
External Safety Investigations
Fairlane Plaza South, Suite 500
330 Town Center Drive
Dearborn, MI 48126-2738 USA

W: (313) 594-4792

F: (313) 594-2268

** LEGAL DISCLAIMER **

This E-mail message and any attachments may contain legally privileged, confidential or proprietary information. If you are not the intended recipient(s), or the employee or agent responsible for delivery of this message to the intended recipient(s), you are hereby notified that any dissemination, distribution or copying of this E-mail message is strictly prohibited. If you have received this message in error, please immediately notify the sender and delete this E-mail message from your computer.

From: Shelman, Rita M [RSHELMAN@tycoelectronics.com]
Sent: Tuesday, March 23, 2010 9:38 AM
To: Vazquez, Diana
Subject: RE: Clockspring Jumper Harness

See message below – we cannot quote at this time
sorry

From: Vazquez, Diana [mailto:DVazquez@lear.com]
Sent: Friday, March 19, 2010 4:26 PM
To: Shelman, Rita M
Subject: RE: Clockspring Jumper Harness

Hi Rita,
Can you please provide me with a quote?

Thank you!!!

Diana Vázquez

Materials Planner
Lear 163
Direct Dial (915) 787 1824
dvazquez@lear.com

From: Shelman, Rita M [mailto:RSHELMAN@tycoelectronics.com]
Sent: Friday, March 05, 2010 5:55 AM
To: Vazquez, Diana
Cc: Javalera, Ramiro (Jose); Beauchamp, Tina
Subject: RE: Clockspring Jumper Harness

The reply I received from the Product Manager is that **we cannot support this part number at this time**. The new production tool is not up and running yet and has not been PPAP'd. He is estimating June/July time frame until this is in production but could not commit to a any ship dates. If you want to get a po started you can but we will not have product to ship.
Thanks

From: Vazquez, Diana [mailto:DVazquez@lear.com]
Sent: Thursday, March 04, 2010 3:34 PM
To: Shelman, Rita M
Cc: Javalera, Ramiro (Jose); Beauchamp, Tina
Subject: RE: Clockspring Jumper Harness

Hi Rita,
Do you have any answer yet?

Please advise,
Thank you!

Diana Vázquez

Materials Planner
Lear 163
Direct Dial (915) 787 1824
dvazquez@lear.com

From: Vazquez, Diana
Sent: Wednesday, March 03, 2010 12:52 PM
To: 'Shelman, Rita M'
Cc: Javalera, Ramiro (Jose)
Subject: FW: Clockspring Jumper Harness

Hi Rita,
Per our conversation,
Please let us know about the part number 1456983-1 can still be produced,
I'm looking for quote based on 500,000 pieces to be purchased.

Please advise,
Thank you!

Diana Vázquez

Materials Planner
Lear 163
Direct Dial (915) 787 1824
dvazquez@lear.com

From: Sutherland, Roy (R.W.) [mailto:rsutherl@ford.com]
Sent: Wednesday, March 03, 2010 12:11 PM
To: Beauchamp, Tina
Subject: RE: Clockspring Jumper Harness

Tina,
Here is the connector print as released in the Ford Doc system.

Regards,

Roy Sutherland Jr.

Ford Core Clockspring, Steering Wheel Switch,
Global Door Lock/Memory Set & Headlamp Switch D&R Engineer
Email: rsutherl@ford.com

Phone: 313-805-6905

Bldg#5, Cube 1D009

From: Sutherland, Roy (R.W.)
Sent: Wednesday, January 27, 2010 2:41 PM
To: Kreiger, Erik (E.); 'Beauchamp, Tina'; Culkeen, Patrick (P.M.)
Cc: Klosek, Walter (W.)
Subject: RE: Clockspring Jumper Harness

To all,

The jumper harness indicated in my original e-mail is only released as part of the clockspring. There is no separate drawing released in Ford that shows only the jumper harness and its assembly. Please tell me what exactly is needed and I will try to put together a quick picture showing that detail.

Regards,

Roy Sutherland Jr.

Ford Core Clockspring, Steering Wheel Switch,
Global Door Lock/Memory Set & Headlamp Switch D&R Engineer

Email: rsutherl@ford.com

Phone: 313-805-6905

Bldg#5, Cube 1D009

From: Kreiger, Erik (E.)
Sent: Wednesday, January 27, 2010 2:13 PM
To: 'Beauchamp, Tina'
Cc: Culkeen, Patrick (P.M.); Sutherland, Roy (R.W.)
Subject: RE: Clockspring Jumper Harness

Roy/Pat.

Can you please answer Tina. Thank you

From: Beauchamp, Tina [<mailto:TBeauchamp@lear.com>]
Sent: Wednesday, January 27, 2010 2:09 PM
To: Kreiger, Erik (E.)
Subject: RE: Clockspring Jumper Harness

Hi Erik,

The print that you sent is a schematic electrical drawing. Do you have an actual harness drawing for the jumper? The circuit types and dimensions are not reflected. Let me know. Thanks.

Tina

Sr. Account Manager

248-447-1964 phone

248-447-1920 fax

From: Mucciacciaro, David
Sent: Tuesday, January 26, 2010 4:10 PM
To: Kreiger, Erik (E.); Culkeen, Patrick (P.M.)
Cc: Hartstang, Joe (J.K.); Beauchamp, Tina
Subject: RE: Clockspring Jumper Harness

Erik - Tina Beauchamp will lead this quotation. I have copied her on the e-mail.

Thank you.

David Mucciacciaro
Sales Manager
Lear Corporation
Phone: 248-447-5184
Cell: 248-872-4050

From: Kreiger, Erik (E.) [mailto:ekreiger@ford.com]
Sent: Tuesday, January 26, 2010 2:43 PM
To: Mucciacciaro, David; Culkeen, Patrick (P.M.)
Cc: Hartstang, Joe (J.K.)
Subject: Clockspring Jumper Harness

David.

Per our conversation please RFO these prints based on a 750k volume(directional). Still working to firm that number up for you. If you have any questions please let Pat or myself know.

From: Sutherland, Roy (R.W.)
Sent: Monday, January 11, 2010 10:49 AM
To: Kreiger, Erik (E.)
Cc: Culkeen, Patrick (P.M.)
Subject: Clockspring Jumper Harness

Erik,

Pat has asked me to supply you with a copy of the clockspring drawing that show the jumper harness that we are looking to build for service. There are a couple of items I need to added that are not shown on the drawing. The first is that a portion of the jumper wire is supplied by FCI (Framatome). FCI supplies the squib connectors (1W1T-14A464-BA & 1W1T-14A464-CA) with the airbag terminal and wires already assembled. The action that will need to be performed is to crimp the terminal to the down lead side of the jumper. The terminals part numbers are not show on the drawing, but should be 1L2T-14474-CA (Tyco Electronics). The braided sleeve that is shown on the drawing is supplier by Bentley-Harris (Federal Mogul), but I am not sure of the diameter of the sleeve size.

If you have any questions regarding the drawing or jumper requirements, please let me know.

Regards,
Roy Sutherland Jr.

Ford Core Clockspring, Steering Wheel Switch,
Global Door Lock/Memory Set & Headlamp Switch D&R Engineer
Email: rsutherl@ford.com
Phone: 313-805-6905
Bldg#5, Cube 1D009

<<8L3T_14A664-S_AA_P221 clkspr_p2.tif>> <<8L3T_14A664-S_AA_P221 clkspr.tif>>

** LEGAL DISCLAIMER **

This E-mail message and any attachments may contain legally privileged, confidential or proprietary information. If you are not the intended recipient(s), or the employee or agent responsible for delivery of this message to the intended recipient(s), you are hereby notified that any dissemination, distribution or copying of this E-mail message is strictly prohibited. If you have received this message in error, please immediately notify the sender and delete this E-mail message from your computer.

** LEGAL DISCLAIMER **

This E-mail message and any attachments may contain legally privileged, confidential or proprietary information. If you are not the intended recipient(s), or the employee or agent responsible for delivery of this message to the intended recipient(s), you are hereby notified that any dissemination, distribution or copying of this E-mail message is strictly prohibited. If you have received this message in error, please immediately notify the sender and delete this E-mail message from your computer.

** LEGAL DISCLAIMER **

This E-mail message and any attachments may contain legally privileged, confidential or proprietary information. If you are not the intended recipient(s), or the employee or agent responsible for delivery of this message to the intended recipient(s), you are hereby notified that any dissemination, distribution or copying of this E-mail message is strictly prohibited. If you have received this message in error, please immediately notify the sender and delete this E-mail message from your computer.

From: Gibson, Scott [SGibson@methode-aecd.com]
Sent: Thursday, February 09, 2006 4:03 PM
To: Sutherland, Roy (R.W.)
Subject: RE: P221 clockspring

Follow Up Flag: Follow up
Flag Status: Red

Roy,

VIN number is 1FTRX02W85K [REDACTED] It is not one of the parts that Joe sent down; it was just part of our regular warranty returns for analysis.

Regarding the clockspring and 2 jumpers that were sent down, I would like to talk to you about them. I'll call you to discuss.

Regards,

Scott Gibson
Quality Engineer
Methode Electronics AECD
111 W. Buchanan Street
Carthage, IL 62341
sgibson@methode-aecd.com
ph. 217-357-3941 x22134

-----Original Message-----

From: Sutherland, Roy (R.W.) [mailto:rsutherl@ford.com]
Sent: Thursday, February 09, 2006 2:23 PM
To: Gibson, Scott
Subject: RE: P221 clockspring

Scott,

Is there a Vin number associated with the clockspring? When I look up the claim number I get different vehicles. Also, was this the part that was sent down earlier this week that had the other two jumpers wire with it?

Regards,
Roy Sutherland Jr.
Ford Core Clockspring & Steering Wheel Switch D&R Engineer
Email: rsutherl@ford.com
Phone: 313-62-16386
Cell: 313-805-6905
Bldg#5, Cube 1D009

-----Original Message-----

From: Gibson, Scott [mailto:SGibson@methode-aecd.com]
Sent: Thursday, February 09, 2006 3:13 PM
To: Sutherland, Roy (R.W.)
Cc: Cox, Mark; Horejsi, Joe; Bolen, Pat; Henderson, Brent

Subject: P221 clockspring

Roy,

Attached is a picture of a P221 clockspring which has the pinched wires that you have been looking for. Airbag light on is the claim problem description. It is the only one that I found like this in the parts that we've analyzed on the P221 platform. The claim number is 095905. Let me know if you would like me to send to you.

Thanks,

Scott Gibson
Quality Engineer
Methode Electronics AECD
111 W. Buchanan Street
Carthage, IL 62341
sgibson@methode-aecd.com
ph. 217-357-3941 x22134

<<Claim095905.jpg>>

From: Sutherland, Roy (R.W.)
Sent: Thursday, March 04, 2010 5:19 PM
To: 'Beauchamp, Tina'; Culkeen, Patrick (P.M.)
Cc: Kreiger, Erik (E.)
Subject: RE: CLOCKSPRING JUMPER
Tina,

Please also try Sofanou Nugaurd per the information I gave you yesterday.

I did find that the original maker of the clockspring/jumper had a second source called out. The second source was a company called Sofanou Nugaurd and the material was NGDP-S (Yellow, 1/4" - 6" mm & P/N: 18045). I have no other details on this material.

Regards,

Roy Sutherland Jr.

Ford Core Clockspring, Steering Wheel Switch,
Global Door Lock/Memory Set & Headlamp Switch D&R Engineer
Email: rsutherl@ford.com
Phone: 313-805-6905
Bldg#5, Cube 1D009

From: Beauchamp, Tina [<mailto:TBeauchamp@lear.com>]
Sent: Thursday, March 04, 2010 3:17 PM
To: Culkeen, Patrick (P.M.); Sutherland, Roy (R.W.)
Cc: Kreiger, Erik (E.)
Subject: CLOCKSPRING JUMPER

Hi,

We've contact Federal Mogul regarding the braided sleeve and they have asked the following if you can let me know. Thank you.

1. End User
2. Platform Code
3. Diameter of the sleeve
4. Cut length of the sleeve
5. Estimated annual volume

Tina

Sr. Account Manager
248-447-1964 phone
248-447-1920 fax

** LEGAL DISCLAIMER **

This E-mail message and any attachments may contain legally privileged, confidential or proprietary information. If you are not the intended recipient(s),

or the employee or agent responsible for delivery of this message to the intended recipient(s), you are hereby notified that any dissemination, distribution or copying of this E-mail message is strictly prohibited. If you have received this message in error, please immediately notify the sender and delete this E-mail message from your computer.

From: Sutherland, Roy (R.W.)

Sent: Tuesday, April 06, 2010 12:30 PM

To: Vazquez, Diana; TBeauchamp@lear.com

Cc: Shields, Dale (D.); 'Cassar, Brian'; Shields, Dale J; Shelman, Rita M; Culkeen, Patrick (P.M.); Kreiger, Erik (E.)

Subject: RE: Clockspring Jumper Harness

Diana/Tina,

Per the e-mail confirmation from Tyco (see below), you can use Tyco connector P/N 6-1419169-8 (Ford P/N:1L2T-14489-LA) in place of 1456983-1 (Ford P/N:1L2T-14489-LB). Please proceed with completing your quote and find out if you can expedite the 40 day availability of the connector as indicated in the e-mail chain.

Pat/Erik,

Have been able to confirm that we can use Tyco connector P/N 6-1419169-8 (Ford P/N:1L2T-14489-LA) for this application.

Regards,

Roy Sutherland Jr.

Ford Core Clockspring, Steering Wheel Switch,

Global Door Lock/Memory Set & Headlamp Switch D&R Engineer

Email: rsutherl@ford.com

Phone: 313-805-6905

Bldg#5, Cube 1D009

From: Cassar, Brian [<mailto:brian.cassar@tycoelectronics.com>]

Sent: Tuesday, April 06, 2010 8:57 AM

To: Sutherland, Roy (R.W.); Shields, Dale J; Shelman, Rita M; Vazquez, Diana

Cc: TBeauchamp@lear.com; Shields, Dale (D.)

Subject: RE: Clockspring Jumper Harness

Sorry Roy,

I thought I sent you the answer the 1l2t-14489-la is a good Tyco number and can ordered.

Best Regards,

Brian Cassar

Global Automotive Division

Tyco Sales Engineer

Ford Sales Team

Cell # 248-494-3818

Email:brian.cassar@tycoelectronics.com

From: Sutherland, Roy (R.W.) [<mailto:rsutherl@ford.com>]

Sent: Tuesday, April 06, 2010 8:45 AM

To: Shields, Dale J; Shelman, Rita M; Vazquez, Diana; Cassar, Brian
Cc: TBeauchamp@lear.com; Shields, Dale (D.)
Subject: RE: Clockspring Jumper Harness
Importance: High

Tyco Team,

Can someone confirm the availability of connector Tyco P/N 6-1419169-8 (Ford P/N:1L2T-14489-LA)? It is critical that I receive confirmation on this part.

Regards,

Roy Sutherland Jr.

Ford Core Clockspring, Steering Wheel Switch,
Global Door Lock/Memory Set & Headlamp Switch D&R Engineer
Email: rsutherl@ford.com
Phone: 313-805-6905
Bldg#5, Cube 1D009

From: Sutherland, Roy (R.W.)
Sent: Tuesday, March 30, 2010 10:40 AM
To: 'Shields, Dale J'; Shelman, Rita M; Vazquez, Diana; Cassar, Brian
Cc: TBeauchamp@lear.com; Shields, Dale (D.)
Subject: RE: Clockspring Jumper Harness

Brian,

Can you confirm availability of connector Tyco P/N 6-1419169-8 (Ford P/N:1L2T-14489-LA)?

Regards,

Roy Sutherland Jr.

Ford Core Clockspring, Steering Wheel Switch,
Global Door Lock/Memory Set & Headlamp Switch D&R Engineer
Email: rsutherl@ford.com
Phone: 313-805-6905
Bldg#5, Cube 1D009

From: Shields, Dale J [mailto:DJSHIELDS@tycoelectronics.com]
Sent: Friday, March 26, 2010 3:48 PM
To: Sutherland, Roy (R.W.); Shelman, Rita M; Vazquez, Diana; Cassar, Brian
Cc: TBeauchamp@lear.com; Shields, Dale (D.)
Subject: RE: Clockspring Jumper Harness

Roy,

I am asking Brian Cassar to get with you on this one. I think this has to do with a change he was leading (on the latch). So you should be able to continue to buy the prior revision part.

Dale Shields

Regional Account Manager - Ford
Tyco Electronics

Mobile: 734-637-2466

E-Mail: djshields@tycoelectronics.com

From: Sutherland, Roy (R.W.) [mailto:rsutherl@ford.com]
Sent: Friday, March 26, 2010 2:02 PM
To: Shelman, Rita M; Vazquez, Diana
Cc: TBeauchamp@lear.com; Shields, Dale (D.); Shields, Dale J
Subject: RE: Clockspring Jumper Harness
Importance: High

Rita,

Just to be clear, the connector Tyco P/N 6-1419169-8 (Ford P/N:1L2T-14489-LA) is available, but presently out of stock. Availability is 40 working days or approx 7-8 weeks assuming 5 day work week. So these parts could be available in mid to late May.

Also, this part (6-1419169-8) is made off of a different tool than that of the 1456983-1 (Ford P/N:1L2T-14489-LB) connector. Correct?

Regards,

Roy Sutherland Jr.

Ford Core Clockspring, Steering Wheel Switch,
Global Door Lock/Memory Set & Headlamp Switch D&R Engineer
Email: rsutherl@ford.com
Phone: 313-805-6905
Bldg#5, Cube 1D009

From: Shelman, Rita M [mailto:RSHELMAN@tycoelectronics.com]
Sent: Friday, March 26, 2010 11:52 AM
To: Sutherland, Roy (R.W.); Vazquez, Diana
Cc: TBeauchamp@lear.com; Shields, Dale (D.); Shields, Dale J
Subject: RE: Clockspring Jumper Harness

[There is currently no stock available and the leadtime is 40 working days.](#)

From: Sutherland, Roy (R.W.) [mailto:rsutherl@ford.com]
Sent: Thursday, March 25, 2010 12:58 PM
To: Shelman, Rita M; Vazquez, Diana
Cc: TBeauchamp@lear.com; Shields, Dale (D.); Shields, Dale J
Subject: RE: Clockspring Jumper Harness
Importance: High

Tyco Team,

Can someone confirm the availability of this connector Tyco P/N 6-1419169-8 (Ford P/N:1L2T-14489-LA) ?

Regards,

Roy Sutherland Jr.

Ford Core Clockspring, Steering Wheel Switch,
Global Door Lock/Memory Set & Headlamp Switch D&R Engineer
Email: rsutherl@ford.com
Phone: 313-805-6905
Bldg#5, Cube 1D009

From: Sutherland, Roy (R.W.)
Sent: Tuesday, March 23, 2010 1:26 PM
To: 'Shelman, Rita M'; Vazquez, Diana
Cc: 'TBeauchamp@lear.com'; Shields, Dale (D.); 'Shields, Dale J'
Subject: RE: Clockspring Jumper Harness
Importance: High

Rita,

Per your e-mail below you are not able to supply a quote for the 1456983-1 (Ford P/N:1L2T-14489-LB) connector assembly do to production tooling in progress. Since this part won't be available until this summer, is Tyco supply a quote for 6-1419169-8 (Ford P/N:1L2T-14489-LA) for the quantities (~500K) request by Lear? If so, do you need a another quote request from Lear or can you use this e-mail as direction request?

I believe the only difference between the 1456983-1 (Ford P/N:1L2T-14489-LB) and 6-1419169-8 (Ford P/N:1L2T-14489-LA) is the height of the thumb pad to make the new part a low profile design. Either part will work for this application.

Regards,

Roy Sutherland Jr.

Ford Core Clockspring, Steering Wheel Switch,
Global Door Lock/Memory Set & Headlamp Switch D&R Engineer
Email: rsutherl@ford.com
Phone: 313-805-6905
Bldg#5, Cube 1D009

From: Shelman, Rita M [mailto:RSHELMAN@tycoelectronics.com]
Sent: Tuesday, March 23, 2010 9:38 AM
To: Vazquez, Diana
Subject: RE: Clockspring Jumper Harness

[See message below – we cannot quote at this time](#)
[sorry](#)

From: Vazquez, Diana [mailto:DVazquez@lear.com]
Sent: Friday, March 19, 2010 4:26 PM
To: Shelman, Rita M
Subject: RE: Clockspring Jumper Harness

Hi Rita,
[Can you please provide me with a quote?](#)

Thank you!!!

Diana Vázquez

Materials Planner
Lear 163
Direct Dial (915) 787 1824
dvazquez@lear.com

From: Shelman, Rita M [mailto:RSHELMAN@tycoelectronics.com]

Sent: Friday, March 05, 2010 5:55 AM

To: Vazquez, Diana

Cc: Javalera, Ramiro (Jose); Beauchamp, Tina

Subject: RE: Clockspring Jumper Harness

The reply I received from the Product Manager is that **we cannot support this part number at this time**. The new production tool is not up and running yet and has not been PPAP'd. He is estimating June/July time frame until this is in production but could not commit to any ship dates. If you want to get a po started you can but we will not have product to ship.
Thanks

From: Vazquez, Diana [mailto:DVazquez@lear.com]

Sent: Thursday, March 04, 2010 3:34 PM

To: Shelman, Rita M

Cc: Javalera, Ramiro (Jose); Beauchamp, Tina

Subject: RE: Clockspring Jumper Harness

Hi Rita,
Do you have any answer yet?

Please advise,
Thank you!

Diana Vázquez

Materials Planner
Lear 163
Direct Dial (915) 787 1824
dvazquez@lear.com

From: Vazquez, Diana

Sent: Wednesday, March 03, 2010 12:52 PM

To: 'Shelman, Rita M'

Cc: Javalera, Ramiro (Jose)

Subject: FW: Clockspring Jumper Harness

Hi Rita,
Per our conversation,
Please let us know about the part number 1456983-1 can still be produced,
I'm looking for quote based on 500,000 pieces to be purchased.

Please advise,
Thank you!

Diana Vázquez

Materials Planner
Lear 163
Direct Dial (915) 787 1824
dvazquez@lear.com

From: Sutherland, Roy (R.W.) [mailto:rsutherl@ford.com]
Sent: Wednesday, March 03, 2010 12:11 PM
To: Beauchamp, Tina
Subject: RE: Clockspring Jumper Harness

Tina,
Here is the connector print as released in the Ford Doc system.

Regards,
Roy Sutherland Jr.
Ford Core Clockspring, Steering Wheel Switch,
Global Door Lock/Memory Set & Headlamp Switch D&R Engineer
Email: rsutherl@ford.com
Phone: 313-805-6905
Bldg#5, Cube 1D009

From: Sutherland, Roy (R.W.)
Sent: Wednesday, January 27, 2010 2:41 PM
To: Kreiger, Erik (E.); 'Beauchamp, Tina'; Culkeen, Patrick (P.M.)
Cc: Klosek, Walter (W.)
Subject: RE: Clockspring Jumper Harness

To all,
The jumper harness indicated in my original e-mail is only released as part of the clockspring. There is no separate drawing released in Ford that shows only the jumper harness and its assembly. Please tell me what exactly is needed and I will try to put together a quick picture showing that detail.

Regards,
Roy Sutherland Jr.
Ford Core Clockspring, Steering Wheel Switch,

Global Door Lock/Memory Set & Headlamp Switch D&R Engineer
Email: rsutherl@ford.com
Phone: 313-805-6905
Bldg#5, Cube 1D009

From: Kreiger, Erik (E.)
Sent: Wednesday, January 27, 2010 2:13 PM
To: 'Beauchamp, Tina'
Cc: Culkeen, Patrick (P.M.); Sutherland, Roy (R.W.)
Subject: RE: Clockspring Jumper Harness

Roy/Pat.

Can you please answer Tina. Thank you

From: Beauchamp, Tina [<mailto:TBeauchamp@lear.com>]
Sent: Wednesday, January 27, 2010 2:09 PM
To: Kreiger, Erik (E.)
Subject: RE: Clockspring Jumper Harness

Hi Erik,

The print that you sent is a schematic electrical drawing. Do you have an actual harness drawing for the jumper? The circuit types and dimensions are not reflected. Let me know. Thanks.

Tina
Sr. Account Manager
248-447-1964 phone
248-447-1920 fax

From: Mucciacciaro, David
Sent: Tuesday, January 26, 2010 4:10 PM
To: Kreiger, Erik (E.); Culkeen, Patrick (P.M.)
Cc: Hartstang, Joe (J.K.); Beauchamp, Tina
Subject: RE: Clockspring Jumper Harness

Erik - Tina Beauchamp will lead this quotation. I have copied her on the e-mail.

Thank you.

David Mucciacciaro
Sales Manager
Lear Corporation
Phone: 248-447-5184
Cell: 248-872-4050

From: Kreiger, Erik (E.) [<mailto:ekreiger@ford.com>]
Sent: Tuesday, January 26, 2010 2:43 PM

To: Mucciacciaro, David; Culkeen, Patrick (P.M.)
Cc: Hartstang, Joe (J.K.)
Subject: Clockspring Jumper Harness

David.

Per our conversation please RFO these prints based on a 750k volume(directional). Still working to firm that number up for you. If you have any questions please let Pat or myself know.

From: Sutherland, Roy (R.W.)
Sent: Monday, January 11, 2010 10:49 AM
To: Kreiger, Erik (E.)
Cc: Culkeen, Patrick (P.M.)
Subject: Clockspring Jumper Harness

Erik,

Pat has asked me to supply you with a copy of the clockspring drawing that show the jumper harness that we are looking to build for service. There are a couple of items I need to added that are not shown on the drawing. The first is that a portion of the jumper wire is supplied by FCI (Framatome). FCI supplies the squib connectors (1W1T-14A464-BA & 1W1T-14A464-CA) with the airbag terminal and wires already assembled. The action that will need to be performed is to crimp the terminal to the down lead side of the jumper. The terminals part numbers are not show on the drawing, but should be 1L2T-14474-CA (Tyco Electronics). The braided sleeve that is shown on the drawing is supplier by Bentley-Harris (Federal Mogul), but I am not sure of the diameter of the sleeve size.

If you have any questions regarding the drawing or jumper requirements, please let me know.

Regards,

Roy Sutherland Jr.

Ford Core Clockspring, Steering Wheel Switch,
Global Door Lock/Memory Set & Headlamp Switch D&R Engineer
Email: rsutherl@ford.com
Phone: 313-805-6905
Bldg#5, Cube 1D009

<<8L3T_14A664-S_AA_P221 clkspr_p2.tif>> <<8L3T_14A664-S_AA_P221 clkspr.tif>>

** LEGAL DISCLAIMER **

This E-mail message and any attachments may contain legally privileged, confidential or proprietary information. If you are not the intended recipient(s), or the employee or agent responsible for delivery of this message to the intended recipient(s), you are hereby notified that any dissemination, distribution

or copying of this E-mail message is strictly prohibited. If you have received this message in error, please immediately notify the sender and delete this E-mail message from your computer.

** LEGAL DISCLAIMER **

This E-mail message and any attachments may contain legally privileged, confidential or proprietary information. If you are not the intended recipient(s), or the employee or agent responsible for delivery of this message to the intended recipient(s), you are hereby notified that any dissemination, distribution or copying of this E-mail message is strictly prohibited. If you have received this message in error, please immediately notify the sender and delete this E-mail message from your computer.

** LEGAL DISCLAIMER **

This E-mail message and any attachments may contain legally privileged, confidential or proprietary information. If you are not the intended recipient(s), or the employee or agent responsible for delivery of this message to the intended recipient(s), you are hereby notified that any dissemination, distribution or copying of this E-mail message is strictly prohibited. If you have received this message in error, please immediately notify the sender and delete this E-mail message from your computer.

From: Shelman, Rita M [RSHELMAN@tycoelectronics.com]
Sent: Monday, April 12, 2010 8:54 AM
To: Sutherland, Roy (R.W.); Vazquez, Diana; TBeauchamp@lear.com
Cc: Shields, Dale (D.); Cassar, Brian; Shields, Dale J; Culkeen, Patrick (P.M.); Kreiger, Erik (E.)
Subject: RE: Clockspring Jumper Harness
Follow Up Flag: Follow up
Flag Status: Red

There is currently no order placed for this part. The leadtime is from the time the order is received at Tyco.
Regards

From: Sutherland, Roy (R.W.) [mailto:rsutherl@ford.com]
Sent: Tuesday, April 06, 2010 12:30 PM
To: Vazquez, Diana; TBeauchamp@lear.com
Cc: Shields, Dale (D.); Cassar, Brian; Shields, Dale J; Shelman, Rita M; Culkeen, Patrick (P.M.); Kreiger, Erik (E.)
Subject: RE: Clockspring Jumper Harness

Diana/Tina,

Per the e-mail confirmation from Tyco (see below), you can use Tyco connector P/N 6-1419169-8 (Ford P/N:1L2T-14489-LA) in place of 1456983-1 (Ford P/N:1L2T-14489-LB). Please proceed with completing your quote and find out if you can expedite the 40 day availability of the connector as indicated in the e-mail chain.

Pat/Erik,

Have been able to confirm that we can use Tyco connector P/N 6-1419169-8 (Ford P/N:1L2T-14489-LA) for this application.

Regards,

Roy Sutherland Jr.

Ford Core Clockspring, Steering Wheel Switch,
Global Door Lock/Memory Set & Headlamp Switch D&R Engineer
Email: rsutherl@ford.com
Phone: 313-805-6905
Bldg#5, Cube 1D009

From: Cassar, Brian [mailto:brian.cassar@tycoelectronics.com]
Sent: Tuesday, April 06, 2010 8:57 AM
To: Sutherland, Roy (R.W.); Shields, Dale J; Shelman, Rita M; Vazquez, Diana
Cc: TBeauchamp@lear.com; Shields, Dale (D.)
Subject: RE: Clockspring Jumper Harness

Sorry Roy,

I thought I sent you the answer the 1L2t-14489-la is a good Tyco number and can ordered.

Best Regards,

Brian Cassar

Global Automotive Division

Tyco Sales Engineer

Ford Sales Team

Cell # 248-494-3818

Email: brian.cassar@tycoelectronics.com

From: Sutherland, Roy (R.W.) [mailto:rsutherl@ford.com]

Sent: Tuesday, April 06, 2010 8:45 AM

To: Shields, Dale J; Shelman, Rita M; Vazquez, Diana; Cassar, Brian

Cc: TBeauchamp@lear.com; Shields, Dale (D.)

Subject: RE: Clockspring Jumper Harness

Importance: High

Tyco Team,

Can someone confirm the availability of connector Tyco P/N 6-1419169-8 (Ford P/N:1L2T-14489-LA)? It is critical that I receive confirmation on this part.

Regards,

Roy Sutherland Jr.

Ford Core Clockspring, Steering Wheel Switch,

Global Door Lock/Memory Set & Headlamp Switch D&R Engineer

Email: rsutherl@ford.com

Phone: 313-805-6905

Bldg#5, Cube 1D009

From: Sutherland, Roy (R.W.)

Sent: Tuesday, March 30, 2010 10:40 AM

To: 'Shields, Dale J'; Shelman, Rita M; Vazquez, Diana; Cassar, Brian

Cc: TBeauchamp@lear.com; Shields, Dale (D.)

Subject: RE: Clockspring Jumper Harness

Brian,

Can you confirm availability of connector Tyco P/N 6-1419169-8 (Ford P/N:1L2T-14489-LA)?

Regards,

Roy Sutherland Jr.

Ford Core Clockspring, Steering Wheel Switch,

Global Door Lock/Memory Set & Headlamp Switch D&R Engineer

Email: rsutherl@ford.com

Phone: 313-805-6905

Bldg#5, Cube 1D009

From: Shields, Dale J [mailto:DJSHIELDS@tycoelectronics.com]
Sent: Friday, March 26, 2010 3:48 PM
To: Sutherland, Roy (R.W.); Shelman, Rita M; Vazquez, Diana; Cassar, Brian
Cc: TBeauchamp@lear.com; Shields, Dale (D.)
Subject: RE: Clockspring Jumper Harness

Roy,

I am asking Brian Cassar to get with you on this one. I think this has to do with a change he was leading (on the latch). So you should be able to continue to buy the prior revision part.

Dale Shields

Regional Account Manager - Ford
Tyco Electronics
Mobile: 734-637-2466
E-Mail: djshields@tycoelectronics.com

From: Sutherland, Roy (R.W.) [mailto:rsutherl@ford.com]
Sent: Friday, March 26, 2010 2:02 PM
To: Shelman, Rita M; Vazquez, Diana
Cc: TBeauchamp@lear.com; Shields, Dale (D.); Shields, Dale J
Subject: RE: Clockspring Jumper Harness
Importance: High

Rita,

Just to be clear, the connector Tyco P/N 6-1419169-8 (Ford P/N:1L2T-14489-LA) is available, but presently out of stock. Availability is 40 working days or approx 7-8 weeks assuming 5 day work week. So these parts could be available in mid to late May.

Also, this part (6-1419169-8) is made off of a different tool than that of the 1456983-1 (Ford P/N:1L2T-14489-LB) connector. Correct?

Regards,

Roy Sutherland Jr.

Ford Core Clockspring, Steering Wheel Switch,
Global Door Lock/Memory Set & Headlamp Switch D&R Engineer
Email: rsutherl@ford.com
Phone: 313-805-6905
Bldg#5, Cube 1D009

From: Shelman, Rita M [mailto:RSHELMAN@tycoelectronics.com]
Sent: Friday, March 26, 2010 11:52 AM
To: Sutherland, Roy (R.W.); Vazquez, Diana
Cc: TBeauchamp@lear.com; Shields, Dale (D.); Shields, Dale J
Subject: RE: Clockspring Jumper Harness

There is currently no stock available and the leadtime is 40 working days.

From: Sutherland, Roy (R.W.) [mailto:rsutherl@ford.com]
Sent: Thursday, March 25, 2010 12:58 PM
To: Shelman, Rita M; Vazquez, Diana
Cc: TBeauchamp@lear.com; Shields, Dale (D.); Shields, Dale J
Subject: RE: Clockspring Jumper Harness
Importance: High

Tyco Team,

Can someone confirm the availability of this connector Tyco P/N 6-1419169-8 (Ford P/N:1L2T-14489-LA) ?

Regards,

Roy Sutherland Jr.

Ford Core Clockspring, Steering Wheel Switch,
Global Door Lock/Memory Set & Headlamp Switch D&R Engineer
Email: rsutherl@ford.com
Phone: 313-805-6905
Bldg#5, Cube 1D009

From: Sutherland, Roy (R.W.)
Sent: Tuesday, March 23, 2010 1:26 PM
To: 'Shelman, Rita M'; Vazquez, Diana
Cc: 'TBeauchamp@lear.com'; Shields, Dale (D.); 'Shields, Dale J'
Subject: RE: Clockspring Jumper Harness
Importance: High

Rita,

Per your e-mail below you are not able to supply a quote for the 1456983-1 (Ford P/N:1L2T-14489-LB) connector assembly do to production tooling in progress. Since this part won't be available until this summer, is Tyco supply a quote for 6-1419169-8 (Ford P/N:1L2T-14489-LA) for the quantities (~500K)request by Lear? If so, do you need a another quote request from Lear or can you use this e-mail as direction request?

I believe the only difference between the 1456983-1 (Ford P/N:1L2T-14489-LB) and 6-1419169-8 (Ford P/N:1L2T-14489-LA) is the height of the thumb pad to make the new part a low profile design. Either part will work for this application.

Regards,

Roy Sutherland Jr.

Ford Core Clockspring, Steering Wheel Switch,
Global Door Lock/Memory Set & Headlamp Switch D&R Engineer
Email: rsutherl@ford.com
Phone: 313-805-6905
Bldg#5, Cube 1D009

From: Shelman, Rita M [mailto:RSHELMAN@tycoelectronics.com]
Sent: Tuesday, March 23, 2010 9:38 AM
To: Vazquez, Diana
Subject: RE: Clockspring Jumper Harness

See message below – we cannot quote at this time
sorry

From: Vazquez, Diana [mailto:DVazquez@lear.com]
Sent: Friday, March 19, 2010 4:26 PM
To: Shelman, Rita M
Subject: RE: Clockspring Jumper Harness

Hi Rita,
Can you please provide me with a quote?

Thank you!!!

Diana Vázquez

Materials Planner
Lear 163
Direct Dial (915) 787 1824
dvazquez@lear.com

From: Shelman, Rita M [mailto:RSHELMAN@tycoelectronics.com]
Sent: Friday, March 05, 2010 5:55 AM
To: Vazquez, Diana
Cc: Javalera, Ramiro (Jose); Beauchamp, Tina
Subject: RE: Clockspring Jumper Harness

The reply I received from the Product Manager is that **we cannot support this part number at this time**. The new production tool is not up and running yet and has not been PPAP'd. He is estimating June/July time frame until this is in production but could not commit to any ship dates. If you want to get a po started you can but we will not have product to ship.
Thanks

From: Vazquez, Diana [mailto:DVazquez@lear.com]
Sent: Thursday, March 04, 2010 3:34 PM
To: Shelman, Rita M
Cc: Javalera, Ramiro (Jose); Beauchamp, Tina
Subject: RE: Clockspring Jumper Harness

Hi Rita,
Do you have any answer yet?

Please advise,
Thank you!

Diana Vázquez

Materials Planner
Lear 163
Direct Dial (915) 787 1824
dvazquez@lear.com

From: Vazquez, Diana
Sent: Wednesday, March 03, 2010 12:52 PM
To: 'Shelman, Rita M'
Cc: Javalera, Ramiro (Jose)
Subject: FW: Clockspring Jumper Harness

Hi Rita,
Per our conversation,
Please let us know about the part number 1456983-1 can still be produced,
I'm looking for quote based on 500,000 pieces to be purchased.

Please advise,
Thank you!

Diana Vázquez

Materials Planner
Lear 163
Direct Dial (915) 787 1824
dvazquez@lear.com

From: Sutherland, Roy (R.W.) [mailto:rsutherl@ford.com]
Sent: Wednesday, March 03, 2010 12:11 PM
To: Beauchamp, Tina
Subject: RE: Clockspring Jumper Harness

Tina,
Here is the connector print as released in the Ford Doc system.

Regards,

Roy Sutherland Jr.

Ford Core Clockspring, Steering Wheel Switch,
Global Door Lock/Memory Set & Headlamp Switch D&R Engineer
Email: rsutherl@ford.com
Phone: 313-805-6905
Bldg#5, Cube 1D009

From: Sutherland, Roy (R.W.)
Sent: Wednesday, January 27, 2010 2:41 PM
To: Kreiger, Erik (E.); 'Beauchamp, Tina'; Culkeen, Patrick (P.M.)
Cc: Klosek, Walter (W.)
Subject: RE: Clockspring Jumper Harness

To all,

The jumper harness indicated in my original e-mail is only released as part of the clockspring. There is no separate drawing released in Ford that shows only the jumper harness and its assembly. Please tell me what exactly is needed and I will try to put together a quick picture showing that detail.

Regards,

Roy Sutherland Jr.

Ford Core Clockspring, Steering Wheel Switch,
Global Door Lock/Memory Set & Headlamp Switch D&R Engineer
Email: rsutherl@ford.com
Phone: 313-805-6905
Bldg#5, Cube 1D009

From: Kreiger, Erik (E.)
Sent: Wednesday, January 27, 2010 2:13 PM
To: 'Beauchamp, Tina'
Cc: Culkeen, Patrick (P.M.); Sutherland, Roy (R.W.)
Subject: RE: Clockspring Jumper Harness

Roy/Pat.

Can you please answer Tina. Thank you

From: Beauchamp, Tina [<mailto:TBeauchamp@lear.com>]
Sent: Wednesday, January 27, 2010 2:09 PM
To: Kreiger, Erik (E.)
Subject: RE: Clockspring Jumper Harness

Hi Erik,

The print that you sent is a schematic electrical drawing. Do you have an actual harness drawing for the jumper? The circuit types and dimensions are not reflected. Let me know. Thanks.

Tina

Sr. Account Manager
248-447-1964 phone
248-447-1920 fax

From: Mucciacciaro, David
Sent: Tuesday, January 26, 2010 4:10 PM
To: Kreiger, Erik (E.); Culkeen, Patrick (P.M.)
Cc: Hartstang, Joe (J.K.); Beauchamp, Tina
Subject: RE: Clockspring Jumper Harness

Erik - Tina Beauchamp will lead this quotation. I have copied her on the e-mail.

Thank you.

David Mucciacciaro
Sales Manager
Lear Corporation
Phone: 248-447-5184
Cell: 248-872-4050

From: Kreiger, Erik (E.) [mailto:ekreiger@ford.com]
Sent: Tuesday, January 26, 2010 2:43 PM
To: Mucciacciaro, David; Culkeen, Patrick (P.M.)
Cc: Hartstang, Joe (J.K.)
Subject: Clockspring Jumper Harness

David.

Per our conversation please RFO these prints based on a 750k volume(directional). Still working to firm that number up for you. If you have any questions please let Pat or myself know.

From: Sutherland, Roy (R.W.)
Sent: Monday, January 11, 2010 10:49 AM
To: Kreiger, Erik (E.)
Cc: Culkeen, Patrick (P.M.)
Subject: Clockspring Jumper Harness

Erik,

Pat has asked me to supply you with a copy of the clockspring drawing that show the jumper harness that we are looking to build for service. There are a couple of items I need to added that are not shown on the drawing. The first is that a portion of the jumper wire is supplied by FCI (Framatome). FCI supplies the squib connectors (1W1T-14A464-BA & 1W1T-14A464-CA) with the airbag terminal and wires already assembled. The action that will need to be performed is to crimp the terminal to the down lead side of the jumper. The terminals part numbers are not show on the drawing, but should be 1L2T-14474-CA (Tyco Electronics). The braided sleeve that is shown on the drawing is supplier by Bentley-Harris (Federal Mogul), but I am not sure of the diameter of the sleeve size.

If you have any questions regarding the drawing or jumper requirements, please let me know.

Regards,

Roy Sutherland Jr.

Ford Core Clockspring, Steering Wheel Switch,
Global Door Lock/Memory Set & Headlamp Switch D&R Engineer
Email: rsutherl@ford.com
Phone: 313-805-6905

Bldg#5, Cube 1D009

<<8L3T_14A664-S_AA_P221 clkSpr_p2.tif>> <<8L3T_14A664-S_AA_P221 clkSpr.tif>>

** LEGAL DISCLAIMER **

This E-mail message and any attachments may contain legally privileged, confidential or proprietary information. If you are not the intended recipient(s), or the employee or agent responsible for delivery of this message to the intended recipient(s), you are hereby notified that any dissemination, distribution or copying of this E-mail message is strictly prohibited. If you have received this message in error, please immediately notify the sender and delete this E-mail message from your computer.

** LEGAL DISCLAIMER **

This E-mail message and any attachments may contain legally privileged, confidential or proprietary information. If you are not the intended recipient(s), or the employee or agent responsible for delivery of this message to the intended recipient(s), you are hereby notified that any dissemination, distribution or copying of this E-mail message is strictly prohibited. If you have received this message in error, please immediately notify the sender and delete this E-mail message from your computer.

** LEGAL DISCLAIMER **

This E-mail message and any attachments may contain legally privileged, confidential or proprietary information. If you are not the intended recipient(s), or the employee or agent responsible for delivery of this message to the intended recipient(s), you are hereby notified that any dissemination, distribution or copying of this E-mail message is strictly prohibited. If you have received this message in error, please immediately notify the sender and delete this E-mail message from your computer.

From: Sutherland, Roy (R.W.)
Sent: Wednesday, April 07, 2010 7:55 AM
To: 'Vazquez, Diana'; Bill.Hyslop@fci.com; Karen.Bird@fci.com; Beauchamp, Tina; Javalera, Ramiro (Jose)
Cc: Culkeen, Patrick (P.M.); Kreiger, Erik (E.)
Subject: RE: Clockspring Jumper Harness
Follow Up Flag: Follow up
Flag Status: Red

Diana/Bill,
 Here are the answers to your questions.

1. Platform -- P221
2. SOP -- SERVICE PARTS will need ASAP
3. EAU = 500k -- Approximate Total
4. Program Timing Milestones -- SERVICE PARTS will need ASAP

Regards,

Roy Sutherland Jr.

Ford Core Clockspring, Steering Wheel Switch,
 Global Door Lock/Memory Set & Headlamp Switch D&R Engineer
 Email: rsutherl@ford.com
 Phone: 313-805-6905
 Bldg#5, Cube 1D009

From: Vazquez, Diana [mailto:DVazquez@lear.com]
Sent: Tuesday, April 06, 2010 6:55 PM
To: Bill.Hyslop@fci.com; Karen.Bird@fci.com; Beauchamp, Tina; Javalera, Ramiro (Jose); Sutherland, Roy (R.W.)
Subject: RE: Clockspring Jumper Harness

Hi Roy, Tina

Have you answered Bill Hyslop from FCI ?

He had some questions before he could quote the subassembly needed to build the jumper,

Can you please read emails below and advise?

Thank you!!

Diana Vázquez

Materials Planner
 Lear 163
 Direct Dial (915) 787 1824
 dvazquez@lear.com

From: Vazquez, Diana
Sent: Monday, March 29, 2010 4:02 PM
To: 'Bill.Hyslop@fci.com'; Karen.Bird@fci.com; Beauchamp, Tina; Javalera, Ramiro (Jose); 'Sutherland, Roy (R.W.)'
Subject: RE: Clockspring Jumper Harness

Hi Tina, Roy,
Can you please provide the information below to Bill?

Thank you!!

Diana Vázquez

Materials Planner
Lear 163
Direct Dial (915) 787 1824
dvazquez@lear.com

From: Bill.Hyslop@fci.com [mailto:Bill.Hyslop@fci.com]
Sent: Monday, March 29, 2010 3:51 PM
To: Vazquez, Diana
Cc: Karen.Bird@fci.com
Subject: RE: Clockspring Jumper Harness

Diana,
Can you provide some further information on this, like:

1. Platform
2. SOP
3. EAU = 500k
4. Program Timing Milestones

Regards,
Bill

William H. Hyslop
Al Panyards Temporary Replacement
FCI MVL Division
28100 Cabot Dr.
Suite 100
Novi, MI, 48377
(O) 248 592 2743
(M) 734 644 2058

From: Bird, Karen
Sent: Monday, March 22, 2010 10:22 AM

To: Hyslop, Bill
Cc: DVazquez@lear.com
Subject: FW: Clockspring Jumper Harness

Forwarding to Bill Hyslop in Al's absence.

Karen Bird

From: Vazquez, Diana [mailto:DVazquez@lear.com]
Sent: Friday, March 19, 2010 4:26 PM
To: Bird, Karen
Cc: Panyard, Al
Subject: Clockspring Jumper Harness

Hi Karen, Al

Can you please take a look at the print attached and let me know if you can produce the pigtail?

Remember that I talked to you about it a couple of weeks ago,? is the one Ford is planning to request 500,000.

The print attached might not be enough for you to get me a quote, please let me know and I'll let Engineering know that you need more details.

I'd really appreciate your prompt response,
 Thank you!!

Diana Vázquez

Materials Planner
 Lear 163
 Direct Dial (915) 787 1824
dvazquez@lear.com

From: Carrillo, Juan
Sent: Wednesday, March 17, 2010 1:45 PM
To: Vazquez, Diana
Cc: Javalera, Ramiro (Jose)
Subject: Book2.xls

Podríamos cotizar los subensambles con esta info Diane?

 ** LEGAL DISCLAIMER **

This E-mail message and any attachments may contain legally privileged, confidential or proprietary information. If you are not the intended recipient(s), or the employee or agent responsible for delivery of this message to the intended recipient(s), you are hereby notified that any dissemination, distribution or copying of this E-mail message is strictly prohibited. If you have received this message in

error, please immediately notify the sender and delete this E-mail message from your computer.

** LEGAL DISCLAIMER **

This E-mail message and any attachments may contain legally privileged, confidential or proprietary information. If you are not the intended recipient(s), or the employee or agent responsible for delivery of this message to the intended recipient(s), you are hereby notified that any dissemination, distribution or copying of this E-mail message is strictly prohibited. If you have received this message in error, please immediately notify the sender and delete this E-mail message from your computer.

From: Kreiger, Erik (E.)
Sent: Wednesday, January 27, 2010 2:13 PM
To: 'Beauchamp, Tina'
Cc: Culkeen, Patrick (P.M.); Sutherland, Roy (R.W.)
Subject: RE: Clockspring Jumper Harness
Follow Up Flag: Follow up
Flag Status: Red

Roy/Pat.

Can you please answer Tina. Thank you

From: Beauchamp, Tina [mailto:TBeauchamp@lear.com]
Sent: Wednesday, January 27, 2010 2:09 PM
To: Kreiger, Erik (E.)
Subject: RE: Clockspring Jumper Harness

Hi Erik,

The print that you sent is a schematic electrical drawing. Do you have an actual harness drawing for the jumper? The circuit types and dimensions are not reflected. Let me know. Thanks.

Tina

Sr. Account Manager
248-447-1964 phone
248-447-1920 fax

From: Mucciacciaro, David
Sent: Tuesday, January 26, 2010 4:10 PM
To: Kreiger, Erik (E.); Culkeen, Patrick (P.M.)
Cc: Hartstang, Joe (J.K.); Beauchamp, Tina
Subject: RE: Clockspring Jumper Harness

Erik - Tina Beauchamp will lead this quotation. I have copied her on the e-mail.

Thank you.

David Mucciacciaro
Sales Manager
Lear Corporation
Phone: 248-447-5184
Cell: 248-872-4050

From: Kreiger, Erik (E.) [mailto:ekreiger@ford.com]
Sent: Tuesday, January 26, 2010 2:43 PM

To: Mucciacciaro, David; Culkeen, Patrick (P.M.)
Cc: Hartstang, Joe (J.K.)
Subject: Clockspring Jumper Harness

David.

Per our conversation please RFO these prints based on a 750k volume(directional). Still working to firm that number up for you. If you have any questions please let Pat or myself know.

From: Sutherland, Roy (R.W.)
Sent: Monday, January 11, 2010 10:49 AM
To: Kreiger, Erik (E.)
Cc: Culkeen, Patrick (P.M.)
Subject: Clockspring Jumper Harness

Erik,

Pat has asked me to supply you with a copy of the clockspring drawing that show the jumper harness that we are looking to build for service. There are a couple of items I need to added that are not shown on the drawing. The first is that a portion of the jumper wire is supplied by FCI (Framatome). FCI supplies the squib connectors (1W1T-14A464-BA & 1W1T-14A464-CA) with the airbag terminal and wires already assembled. The action that will need to be performed is to crimp the terminal to the down lead side of the jumper. The terminals part numbers are not show on the drawing, but should be 1L2T-14474-CA (Tyco Electronics). The braided sleeve that is shown on the drawing is supplier by Bentley-Harris (Federal Mogul), but I am not sure of the diameter of the sleeve size.

If you have any questions regarding the drawing or jumper requirements, please let me know.

Regards,

Roy Sutherland Jr.

Ford Core Clockspring, Steering Wheel Switch,
Global Door Lock/Memory Set & Headlamp Switch D&R Engineer
Email: rsutherl@ford.com
Phone: 313-805-6905
Bldg#5, Cube 1D009

<<8L3T_14A664-S_AA_P221 clkspr_p2.tif>> <<8L3T_14A664-S_AA_P221 clkspr.tif>>

** LEGAL DISCLAIMER **

This E-mail message and any attachments may contain legally privileged, confidential or proprietary information. If you are not the intended recipient(s), or the employee or agent responsible for delivery of this message to the intended recipient(s), you are hereby notified that any dissemination, distribution

or copying of this E-mail message is strictly prohibited. If you have received this message in error, please immediately notify the sender and delete this E-mail message from your computer.

From: Kreiger, Erik (E.)
Sent: Wednesday, January 20, 2010 10:38 AM
To: Sutherland, Roy (R.W.)
Cc: Culkeen, Patrick (P.M.)
Subject: RE: Clockspring Jumper Harness

Follow Up Flag: Follow up
Flag Status: Red

Roy.

Update from a team meeting from today. We will need some form of a drawing for final assembly in order to quote. Even a marked up drawing of final jumper would suffice at this time. This final assembly drawing will not suffice for a quote.

Thank you

From: Sutherland, Roy (R.W.)
Sent: Monday, January 11, 2010 10:49 AM
To: Kreiger, Erik (E.)
Cc: Culkeen, Patrick (P.M.)
Subject: Clockspring Jumper Harness

Erik,

Pat has asked me to supply you with a copy of the clockspring drawing that show the jumper harness that we are looking to build for service. There are a couple of items I need to added that are not shown on the drawing. The first is that a portion of the jumper wire is supplied by FCI (Framatome). FCI supplies the squib connectors (1W1T-14A464-BA & 1W1T-14A464-CA) with the airbag terminal and wires already assembled. The action that will need to be performed is to crimp the terminal to the down lead side of the jumper. The terminals part numbers are not show on the drawing, but should be 1L2T-14474-CA (Tyco Electronics). The braided sleeve that is shown on the drawing is supplier by Bentley-Harris (Federal Mogul), but I am not sure of the diameter of the sleeve size.

If you have any questions regarding the drawing or jumper requirements, please let me know.

Regards,

Roy Sutherland Jr.

Ford Core Clockspring, Steering Wheel Switch,
Global Door Lock/Memory Set & Headlamp Switch D&R Engineer
Email: rsutherl@ford.com
Phone: 313-805-6905
Bldg#5, Cube 1D009

<< File: 8L3T_14A664-S_AA_P221 clkspr_p2.tif >> << File: 8L3T_14A664-S_AA_P221 clkspr.tif >>

From: Beauchamp, Tina [TBeauchamp@lear.com]
Sent: Thursday, February 25, 2010 9:54 AM
To: Sutherland, Roy (R.W.); Culkeen, Patrick (P.M.)
Cc: Kreiger, Erik (E.)
Subject: RE: Bentley Harris Manufacturer
Let me forward this to my plant and I'll let you know their comments. Thank you.

Tina
Sr. Account Manager
248-447-1964 phone
248-447-1920 fax

From: Sutherland, Roy (R.W.) [mailto:rsutherl@ford.com]
Sent: Thursday, February 25, 2010 9:39 AM
To: Culkeen, Patrick (P.M.); Beauchamp, Tina
Cc: Kreiger, Erik (E.)
Subject: RE: Bentley Harris Manufacturer

Tina/Patrick,

I have reviewed the jumper wire files that were sent out earlier this and have some concerns with the drawing. I have marked up the drawing and added some additional details that should help.

Please review the attached file and let me know if you have any questions.

Regards,

Roy Sutherland Jr.

Ford Core Clockspring, Steering Wheel Switch,
Global Door Lock/Memory Set & Headlamp Switch D&R Engineer
Email: rsutherl@ford.com
Phone: 313-805-6905
Bldg#5, Cube 1D009

<<jumper harness.xls>>

From: Culkeen, Patrick (P.M.)
Sent: Monday, February 22, 2010 1:10 PM
To: 'Beauchamp, Tina'
Cc: Kreiger, Erik (E.); Sutherland, Roy (R.W.)
Subject: Bentley Harris Manufacturer

Tina,

Per Roy's previous email... << Message: Clockspring Jumper Harness >>

Patrick M. Culkeen

Ford Motor Company

Automotive Safety Office
External Safety Investigations

Fairlane Plaza South, Suite 500
330 Town Center Drive
Dearborn, MI 48126-2738 USA
W: (313) 594-4792
F: (313) 594-2268

** LEGAL DISCLAIMER **

This E-mail message and any attachments may contain legally privileged, confidential or proprietary information. If you are not the intended recipient(s), or the employee or agent responsible for delivery of this message to the intended recipient(s), you are hereby notified that any dissemination, distribution or copying of this E-mail message is strictly prohibited. If you have received this message in error, please immediately notify the sender and delete this E-mail message from your computer.

From: Beauchamp, Tina [TBeauchamp@lear.com]
Sent: Friday, February 19, 2010 3:09 PM
To: Kreiger, Erik (E.)
Cc: Culkeen, Patrick (P.M.); Hartstang, Joe (J.K.)
Subject: RE: Drawing file

Attachments: 20100219144805046.pdf

Hi Erik,

My plant sent me over the attached if you can advise ASAP on their questions regarding 2 of the sections. They have developed jumper for the other two and once we have this information they develop a BOM and determine suppliers and go out and get quotes.

Sorry for the delay. Thank you.

Tina

Sr. Account Manager
248-447-1964 phone
248-447-1920 fax

From: Kreiger, Erik (E.) [mailto:ekreiger@ford.com]
Sent: Wednesday, February 17, 2010 2:19 PM
To: Beauchamp, Tina
Cc: Culkeen, Patrick (P.M.); Hartstang, Joe (J.K.)
Subject: Drawing file

Tina.

Has there been any progress to this RFO request? Thank you.

Erik M. Kreiger

FSA Parts Specialist
313-390-5972

Have you driven a Ford lately?
2010 Fusion-Motor Trends Car Of The Year

From: Culkeen, Patrick (P.M.)
Sent: Wednesday, January 27, 2010 2:30 PM
To: Kreiger, Erik (E.)
Subject: Drawing file

Erik,

Could you please forward this file over to Lear. This will help with developing a quote.

Patrick M. Culkeen

Ford Motor Company

Automotive Safety Office
External Safety Investigations
Fairlane Plaza South, Suite 500
330 Town Center Drive
Dearborn, MI 48126-2738 USA
W: (313) 594-4792
F: (313) 594-2268

<<8L3T_14A664-S_AA_P221 clkSpr.tif>>

** LEGAL DISCLAIMER **

This E-mail message and any attachments may contain legally privileged, confidential or proprietary information. If you are not the intended recipient(s), or the employee or agent responsible for delivery of this message to the intended recipient(s), you are hereby notified that any dissemination, distribution or copying of this E-mail message is strictly prohibited. If you have received this message in error, please immediately notify the sender and delete this E-mail message from your computer.

From: Horejsi, Joe [joe.horejsi@methode.com]
Sent: Friday, February 10, 2006 1:37 PM
To: Olson, Kathy (K.A.)
Cc: Klosek, Walter (W.); Matulonis, Bob (R.W.); Horejsi, Joe; Sutherland, Roy (R.W.); Crafts, Bill (W.E.)
Subject: RE: P221 Clockspring CR/Alert
Follow Up Flag: Follow up
Flag Status: Red

Kathy,

I just spoke to Walt regarding a question I had about the concern I'm writing for adding the protective sleeves (C11865953) to the a/b harness of the P221 clockspring. He stated that another issue has arisen down in Florida where the harness was cut at the other end (closer to the connector), with that said, he wants to hold off on writing the concern. I have left it at 'W' status for now.

He also wants me to quote using the Bentley Harris tubing to replace the existing PVC tubing, as well as the additional two pieces with 5 areas to spot tape. If you have any questions or concerns give me a call at your earliest convenience.

Regards,

Joseph Horejsi
Program Manager
KBA Automotive Group
Methode Electronics, Inc
248.603.2141

-----Original Message-----

From: Olson, Kathy (K.A.) [mailto:kolson5@ford.com]
Sent: Friday, February 10, 2006 12:04 PM
To: Horejsi, Joe
Cc: Klosek, Walter (W.); Matulonis, Bob (R.W.)
Subject: P221 Clockspring CR/Alert

Joe,

Per our conversation this morning, please pull the concern and alert for the addition of the wire protection (w/4 spot tapes) for the P221 program and forward the CR number.

Please initiate the Alert for the trial parts and forward that number also. I'm trying to get concurrence to ship a smaller sample size to the plants, but from conversations with the PVT engineers, the plants will need some pressure if/before they will agree to less than 1,000 pieces. I'm waiting for direction from PVT management.

Also, after much conversation, it has been determined that Methode will get paid for trial parts if the piece price for these parts is added to the Alert. We need to make sure that the Alert and the costs for these parts are approved by the program. This is enough to bring to purchasing for payment.

Thanks,

Kathy Olson
Switch Application Engineer
kolson5@ford.com
313-31-77868

4:30 Call 7/Feb/06

3-4.0
2H-B66
VERIFY TIMING
FOR PLASTIC CAN
MTE

B/M DISTANCE BTWN CONNECTORS -
SERV A. TO F/U.

F-SER P221 S/W SWITCH

12 WIRE

5 CONN/WIRE

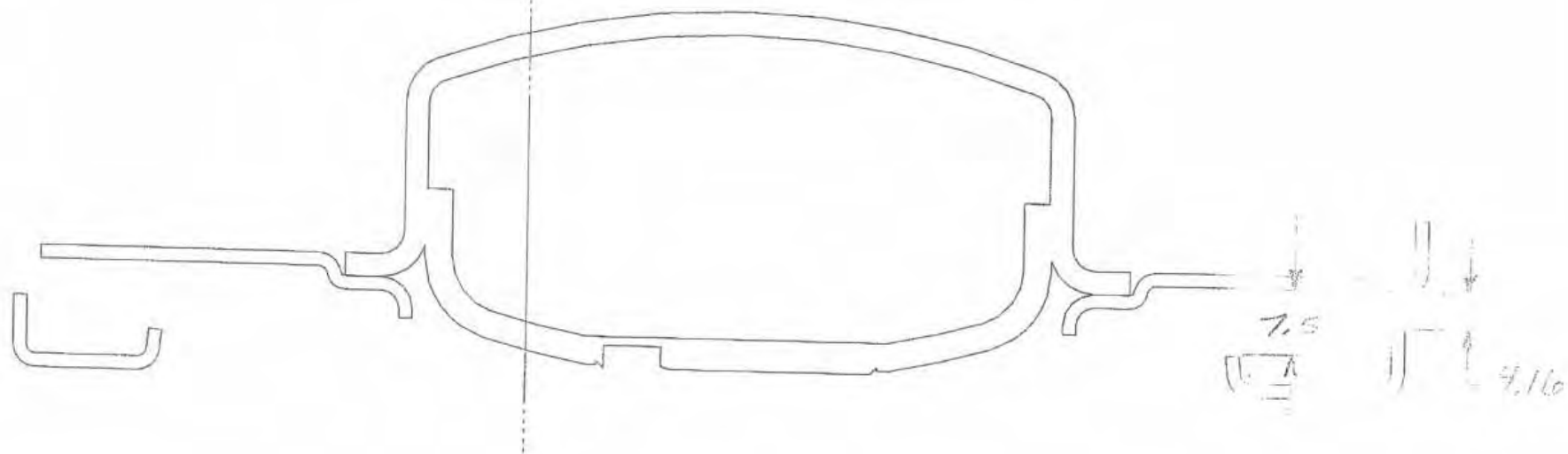
2004MY 3 OPEN Ckt

2 CHAFF.

1 HARN R492

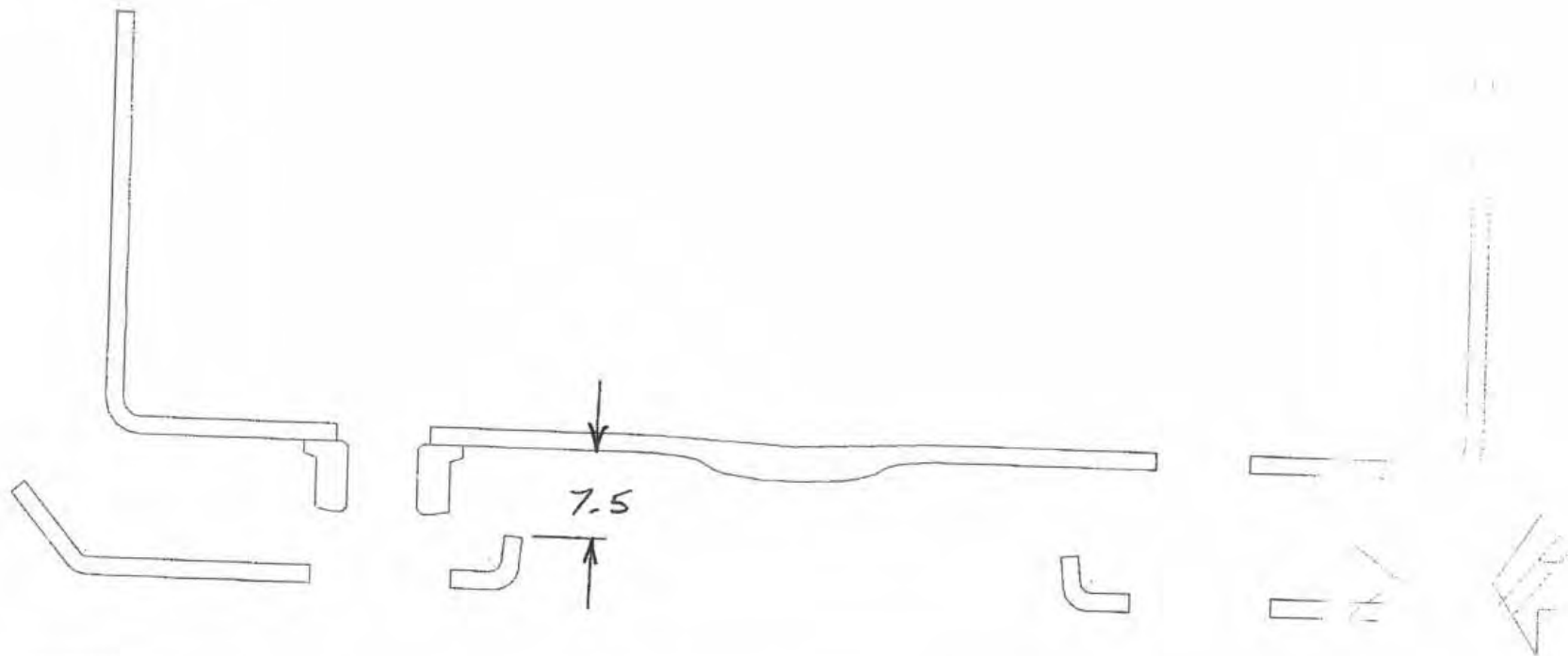
STEVE TO
SCAN &
FORD WARRANTY VERBATIMS!
COMMUNITY S/W
SWITCH

SETUP
FRIDAY @
F/U W/ FLANGE

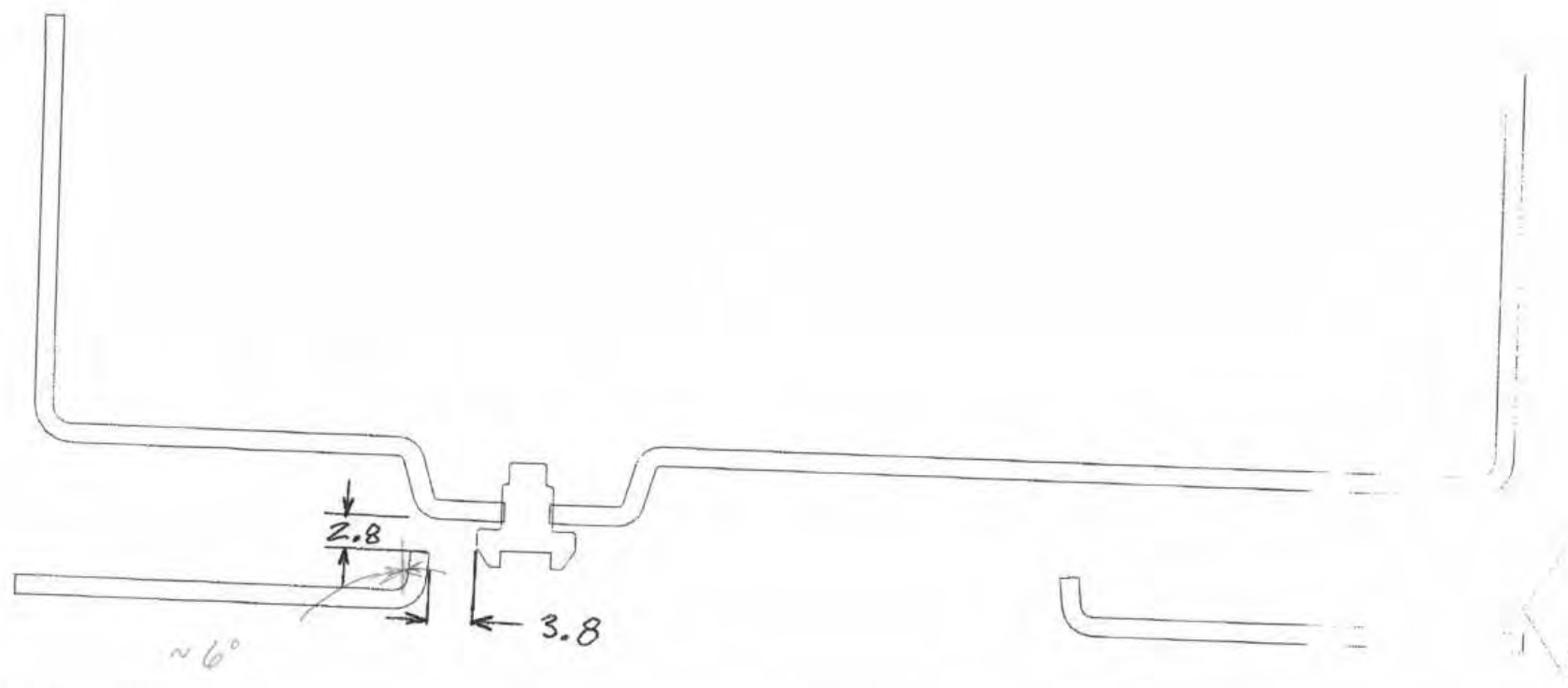


Sect A moved 2 mm

12-6

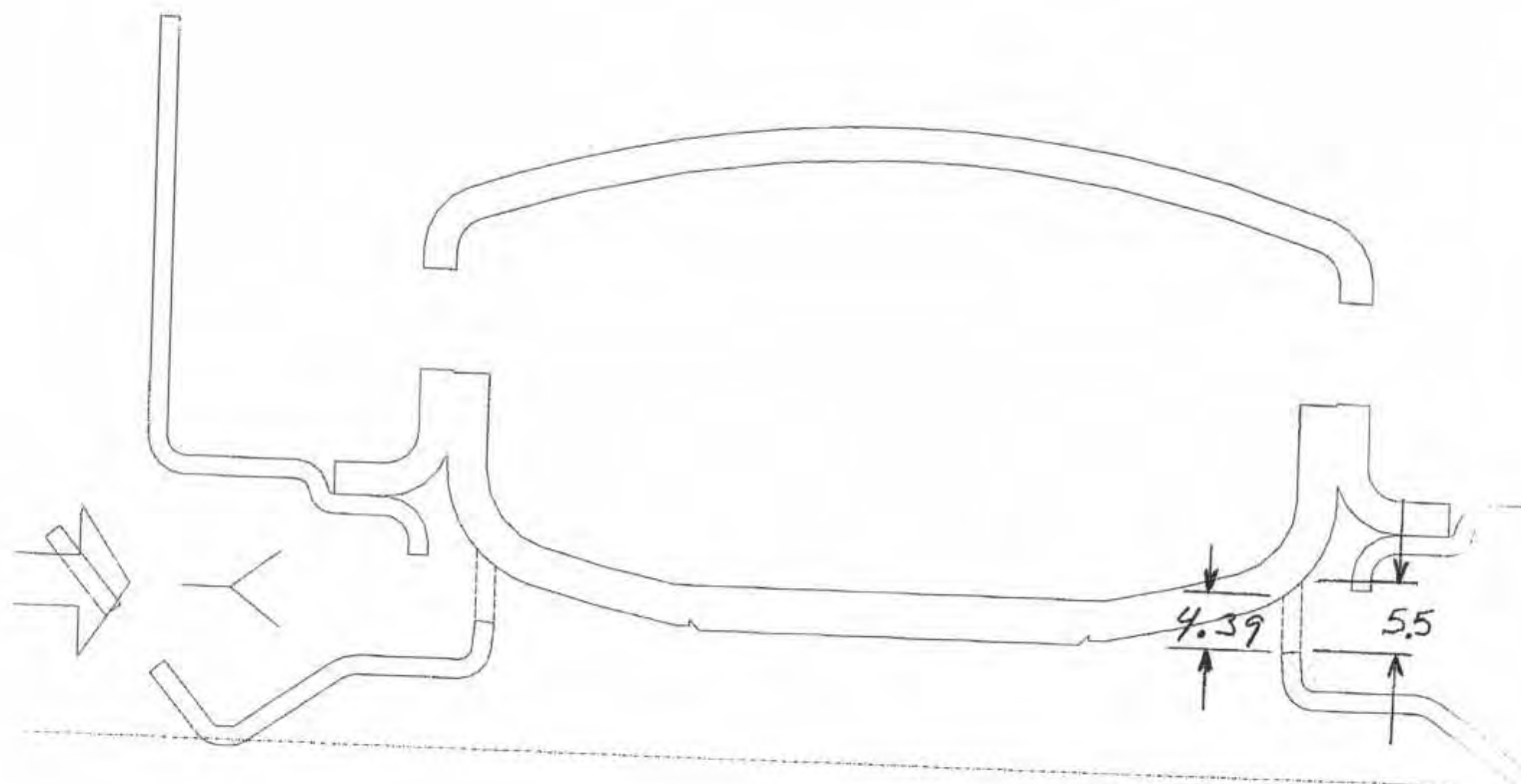


SecTC moved 2 mm
THROUGH BOLT



SECT D MOVED 2 mm
Ground screw for horn wire

2-6-06



SECT B moved 2 mm

3-9

From: Ebert, Rick [rick.ebert@methode.com]
Sent: Wednesday, May 24, 2006 12:45 PM
To: Sutherland, Roy (R.W.); Kern, Ross (R.)
Cc: Horejsi, Joe
Subject: RE: Methode - Clockspring & SWS Open Issues Review - May 23rd meeting minutes
Follow Up Flag: Follow up
Flag Status: Red

Roy-

Just a quick update that Carthage just received the braided sleeves from Federal Mogul earlier this week. Parts were then sent down to Reynosa for them to begin to implement into the uplead harness assy for the P221 program. I am still waiting for Reynosa to confirm that they did in fact receive the parts. The actual implementation of this change into the P221 program needs to be answered by our change management folks and Joe Horejsi. The verbal timing info provided to you yesterday is still accurate, as far as I know.

Roy, Ross-

In regards to the U22X program, our supplier Total Electronics should have received braided sleeves directly from Federal Mogul as well. They placed their order with them at approx the same time we did. However, I am waiting for them to confirm this. As a back up plan, Methode-Carthage prototype hand-cut more braided sleeve samples and sent them to Methode-Reynosa for hand-delivery to Total. That happened last week. Total has those parts and is in the process of turning them around as quickly as possible. In the meantime, our customer service reps have been in direct contact with Delphi to request them to push out their releases to June 5. They agreed to do this. But if we get parts sooner, we will certainly ship as early as possible with June 5 being the absolute latest. From June 5 onward, we are in production ramp-up mode with increasing quantities from Delphi on release for the next month or two leading up to launch.

Please contact me with any questions or comments. Thanks.

Rick

-----Original Message-----

From: Sutherland, Roy (R.W.) [mailto:rsutherl@ford.com]

Sent: Tuesday, May 23, 2006 1:58 PM

To: Brent Henderson (E-mail); Chad Leinbach (E-mail); Dennis Kaufman (E-mail); Jeff Miller (E-mail); Joe Horejsi (E-mail); Stacy Georges (E-mail); Sean Bollin (E-mail); Mark Cox (E-mail); Scott Gibson (E-mail); Rick Ebert (E-mail)

Subject: RE: Methode - Clockspring & SWS Open Issues Review - May 23rd meeting minutes

****Minutes for Methode - Clockspring & SWS Open Issues Review - May 23rd meeting**

Clockspring:

[REDACTED]

SCT U222/U228 Clockspring family - Addition of protective cover/tape. Sleeve Supplier &

Timing Status

**The U222/U228 clocksprings were PPAP'd around May 11th. Production parts (~10k) to be received in this week from Bentley Harris (w/o 5/22). Methode to me R. Sutherland an email when the parts sleeves are received.

P221 Clockspring - Addition of protective cover/tape. Sleeve Supplier & Timing Status

**PPAP'd target June 26th, due to what is already built, sub components on hand and the AIG analysis requirements.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

If there are any corrections or updates, please let me know.

Regards,

Roy Sutherland Jr.

Ford Core Clockspring & Steering Wheel Switch D&R Engineer

Email: rsutherl@ford.com

Phone: 313-62-16386

Cell: 313-805-6905

Bldg#5, Cube 1D009

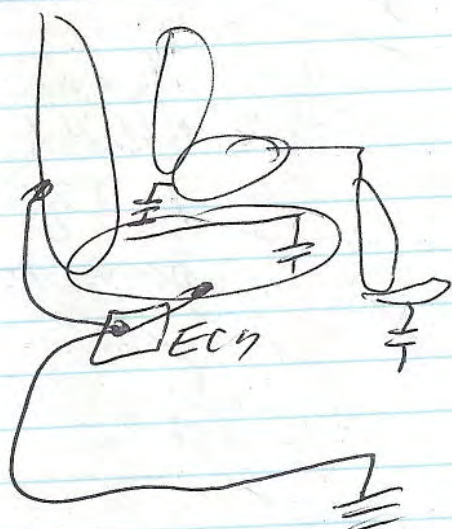
1-27-06

Takata OCS
Capacitive LRD

Measures impedance change of
heater mat.

Sends 120kHz through mat, and
compares current to quadrature
current.

Seat pan frame and back need to
be grounded through ECU ground



25pf empty
50pf adult

10kohm wet set

$$C = \frac{Q}{V - V_g}$$

Uob ex

3,333 6737

63295113

1-30-06

P221 DAB shorts

- Gathered lab plots.
- Inconclusive results.
Short relay to DAB produces
high frequency spikes. Nothing
of a duration > 5ms.
Can oscillations fan up
bridgewire?

2-1-06 Rob's staff

- Quality objectives
- Periodically check timing plan vs. reality.

→ Gold → Silver

- Adeline
- Bishop
- Conch
- Thw

BCC all suppliers

2H D32

Rob's staff

- Software
- Sarah
- Shorting Bars
- Supervisor plans
- Cell phone
- Passport
- Deviation for periodic CAN
- RAR w/ Body

From Pat: Flawless launch
Elevate issues that go beyond our sphere of influence.

Adeline R44 Oscillator 8D

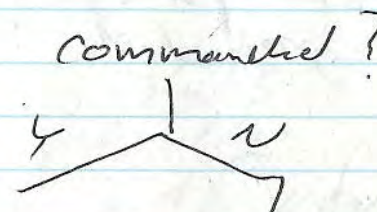
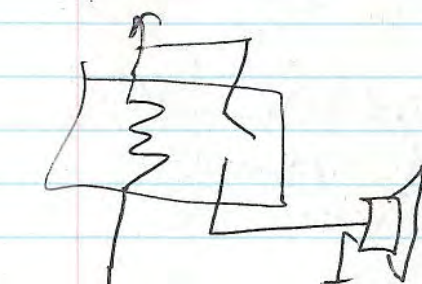
Freeze with tighten control limits.
Subject part appears to have been an outlier compared to rest of distribution.

1-27-06 P221 Clockspring

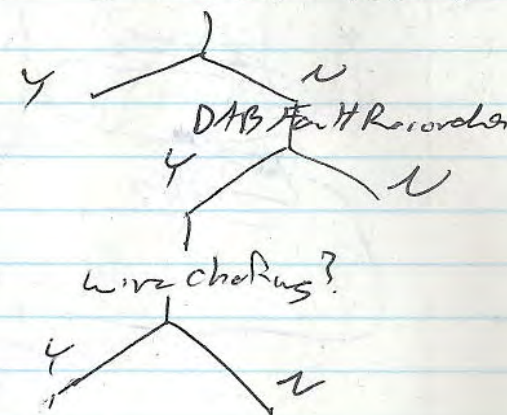
2H cell

Possible Scenarios

1. BT and Gnd short across squib.
2. Driver test + undetected short due to oxide
3. Driver test + undetected short due to intermittent
4. Driver test + undetected short to wheel button voltage
5. Inductive kick due to inductance in horn ckt.



PC4 Meltdown



Measure horn transient in vehicle
or breadboard

Wrestler, Sandy (S.J.)

From: Wrestler, Sandy (S.J.)
Sent: Wednesday, February 01, 2006 1:16 PM
To: 'Steve Ahlquist'; 'steve.j.peterson@trw.com'
Cc: Gregory, Zygmunt (Z.); Wilson, John (J.); Alexander, Vincent (V.J.)
Subject: Information for 07 P221 DAB

Importance: High

Vince,

Need the following info. Asap.

- Other current TRW DAB designs - do any have sharp flange - need you to put your eyes and hands on one of each
- Service tape for potential TSB - need TRW recommendation on tape to use w/appropriate spec., supplier contact, etc. preferably something already released for service at Ford?
- SQUIB's supplied on P221 DAB - what is the functional design current, volts, resistance, and time duration etc. that will fire the SQUIBs?
- Is this a 50/50 inflator, 70/30 or what?
- Steering Wheel warranty - does TRW have S/W warranty returns that they can look at for the chaffing on the Speed control wire? If so, when can we have data/see parts etc.
- What quality issues has TRW had w/S/W, Inflator, etc. and can any of them be contributors?
- Has TRW verified the Red Horn Connector terminals lately, could the pins or wires inside some be reversed. Is this electrical checked at their plant prior to shipment and if so, would it detect this?

Sandra Jo Wrestler
Supervisor, Ford NAE Restraints
Steering Wheels, DAB and PAB
SUV/BOF and PTAC
PDC, 2F-K60, 313 805-3473

*SQUIPS parallel - only checks continuity
Igniter housing capable
90% module equip recint. cond.
penalties to chg equip back & forth*

*Get parts to Tom S.
for analysis*

*Questions / photos
for Dean*

From: Sutherland, Roy (R.W.)
Sent: Tuesday, May 30, 2006 2:19 PM
To: Klosek, Walter (W.)
Subject: FW: !!Hot Request - P221 Warranty Returns
Follow Up Flag: Follow up
Flag Status: Red
Attachments: P221 Clockspring Return Analysis - Airbag Light On Concerns Only (5-30-06).ppt

Walt,

Here is the updated file you requested for AB Light on claims. I corrected the chart from the one sent by Methode, they had the new AB numbers shown, but the pie chart was for all warranty claims.

Regards,

Roy Sutherland Jr.

Ford Core Clockspring & Steering Wheel Switch D&R Engineer

Email: rsutherl@ford.com

Phone: 313-62-16386

Cell: 313-805-6905

Bldg#5, Cube 1D009

From: Cox, Mark [<mailto:MCox@methode-aecd.com>]
Sent: Tuesday, May 30, 2006 1:57 PM
To: Sutherland, Roy (R.W.); Horejsi, Joe
Cc: Klosek, Walter (W.)
Subject: RE: !!Hot Request - P221 Warranty Returns

Roy,

Please find attached powerpoint updated with P221 Clockspring Airbag Light Only concerns.

Regards,

Mark Cox
Warranty Systems
Methode-AECD

Phone: (217)357-3941

Mobile: (309) 333-3018

NOTICE: This message is confidential and intended for the private use of the Addressee only. If this e-mail was sent to you in error, please notify the originator at the address above and delete the message without reading its contents.

-----Original Message-----

From: Cox, Mark

Sent: Tuesday, May 30, 2006 8:17 AM

To: 'Sutherland, Roy (R.W.); Horejsi, Joe

Cc: Klosek, Walter (W.)
Subject: RE: !!Hot Request - P221 Warranty Returns

Roy,

Please find attached powerpoint with requested P221 Clockspring information.

Regards,

Mark Cox
Warranty Systems
Methode-AECD

Phone: (217)357-3941
Mobile: (309) 333-3018

NOTICE: This message is confidential and intended for the private use of the Addressee only. If this e-mail was sent to you in error, please notify the originator at the address above and delete the message without reading its contents.

-----Original Message-----

From: Sutherland, Roy (R.W.) [mailto:rsutherl@ford.com]
Sent: Tuesday, May 30, 2006 7:06 AM
To: joe.horejsi@methode.com; MCox@methode-aecd.com
Cc: Klosek, Walter (W.)
Subject: RE: !!Hot Request - P221 Warranty Returns
Importance: High

Joe/Mark,

Please remember this information is needed midday today. Please send the information to myself and Walt Klosek

If you have any questions, please let me know.

Regards,

Roy Sutherland Jr.

Ford Core Clockspring & Steering Wheel Switch D&R Engineer
Email: rsutherl@ford.com
Phone: 313-62-16386
Cell: 313-805-6905
Bldg#5, Cube 1D009

From: Sutherland, Roy (R.W.)
Sent: Wednesday, May 24, 2006 9:09 AM
To: Joe Horejsi (joe.horejsi@methode.com); Mark Cox (MCox@methode-aecd.com)
Subject: !!Hot Request - P221 Warranty Returns
Importance: High

Mark/Joe,

I have a hot request from Walt Klosek. We need to get the latest warranty breakdown from Methode on the P221 warranty returned clocksprings. We need to understand how

many of the returned clocksprings had the squib pigtails missing, wire damaged, TNI, back wound/over wound and any other issues noted.

We need to have this information by midday next Tuesday (May 30th) to support a high level Director/VP meeting.

If you have any questions, please let me know.

Thanks,

Roy Sutherland Jr.

Ford Core Clockspring & Steering Wheel Switch D&R Engineer

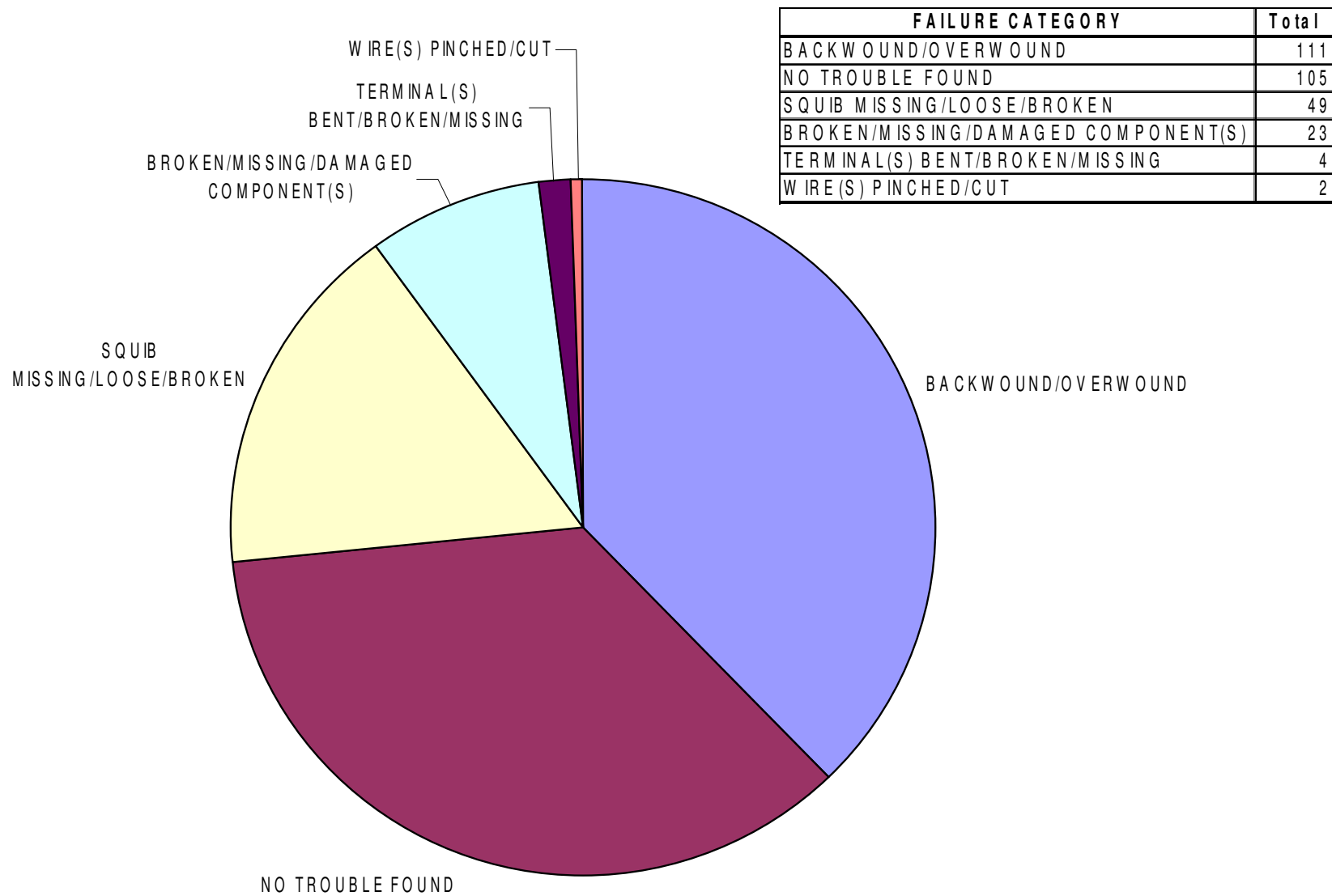
Email: rsutherl@ford.com

Phone: 313-62-16386

Cell: 313-805-6905

Bldg#5, Cube 1D009

P221 Clockspring Return Analysis (5-30-06) Airbag Light on Claims



From: Sutherland, Roy (R.W.)
Sent: Tuesday, February 28, 2006 3:27 PM
To: 'Cox, Mark'
Cc: Horejsi, Joe; Gibson, Scott
Subject: RE: !!! Hot Request
Importance: High
Follow Up Flag: Follow up
Flag Status: Red

Mark,

Has the 2nd clockspring (Vin 1FTRF12225N[REDACTED]) been reviewed yet? If not, I need to get at minimum a quick visual analysis of the wire near both ends of the connector. Does any of the wire show damage? If so, which wire and near which connector. Also, please perform a quick in hand lock to lock test to see if the clockspring was back wound/over wound.

I need to get this information ASAP.

Thanks,

Roy Sutherland Jr.

Ford Core Clockspring & Steering Wheel Switch D&R Engineer

Email: rsutherl@ford.com

Phone: 313-62-16386

Cell: 313-805-6905

Bldg#5, Cube 1D009

-----Original Message-----

From: Cox, Mark [<mailto:MCox@methode-aecd.com>]

Sent: Wednesday, February 22, 2006 10:53 AM

To: Sutherland, Roy (R.W.); Gibson, Scott

Cc: Horejsi, Joe

Subject: RE: !!! Hot Request

Roy,

We have rec'd 2 of the parts on this list which are highlighted in BLUE. I have also added the details from our database to the 2nd tab of this spreadsheet. Note that one of the returns was backwound and the other was just rec'd and is in process.

Let me know if you need anything else.

Thanks,

Mark

-----Original Message-----

From: Sutherland, Roy (R.W.) [<mailto:rsutherl@ford.com>]

Sent: Wednesday, February 22, 2006 9:08 AM

To: Mark Cox (E-mail); Scott Gibson (E-mail)

Cc: Joe Horejsi (E-mail)

Subject: !!! Hot Request

Importance: High

Mark/Scott,

I have an attached list of serviced P221 clocksprings. Please look through all of your warranty return information to find out if you have received these parts back. Please let me know which parts you have received back and what the Methode analysis indicated for each switch,

Thanks,

Roy Sutherland Jr.

Ford Core Clockspring & Steering Wheel Switch D&R Engineer

Email: rsutherl@ford.com

Phone: 313-62-16386

Cell: 313-805-6905

Bldg#5, Cube 1D009

<<Simple Vin Summary 16 Feb 2006.xls>>

From: Clark, Todd (T.N.)
Sent: Friday, April 21, 2006 2:44 PM
To: Pappas, Bill (B.)
Subject: FW: F-150 Airbag agenda for 4/28 meeting

Let me know if you need help with these questions.

Todd N. Clark

Supervisor, Crash Sensors
NAE Safety
Ford Motor Company
Tel: 313.805.5601

From: Hilding, Robert (R.J.)
Sent: Friday, April 21, 2006 1:43 PM
To: Oswalt, Greg (G.G.); Spoto, Thomas (T.A.); Wrestler, Sandy (S.J.); Klosek, Walter (W.); Pappas, Bill (B.); Clark, Todd (T.N.); Alexander, Vincent (V.J.)
Cc: Gniewek, Kenneth (K.J.)
Subject: F-150 Airbag agenda for 4/28 meeting

Team,

Here is the agenda for the 4/28 meeting.
Please be prepared to discuss the following:

Wiring (Tom Spoto)

- Analysis of field vehicles
- Any false grounds/sneak circuits?

Clocksprings (Walt Klosek)

- Summary of field return analysis
- Warranty analysis
 - Pareto by symptom code
 - R/1000
- Part change timing for production and service

RCM (Todd/Bill)

- Does wire chafe always illuminate airbag light?
- With wire chafe, will system attempt to fire airbag during an accident?

Airbag (Sandy/Vince)

- Trend chart(s)
 - MOP for airbag light/2293 code, overlay w/deployments
 - Incidents by plant
- Testing status
- Plant trial results
- Part change timing for production and service

Robert Hilding - rhilding@ford.com

Ford Truck Critical Concerns
cell) 313-805-3807 PDC GC-A61 MD-266
Integrity is what you do when no one is watching

From: Clark, Todd (T.N.)
Sent: Friday, February 17, 2006 8:27 AM
To: Pappas, Bill (B.); Bauch, David (D.J.)
Subject: FW: Autoliv

Importance: High

Bill/Dave,

Please follow up on these with Autoliv. it was discussed in the meeting with Colm Boran. Thanks!

Todd N. Clark

Supervisor, Crash Sensors
NAE Safety
Ford Motor Company
Tel: 313.805.5601

-----Original Message-----

From: Spoto, Thomas (T.A.)
Sent: Thursday, February 16, 2006 5:24 PM
To: Clark, Todd (T.N.); Tippy, David (D.J.); Alles, Sheran (S.A.); Pappas, Bill (B.)
Cc: Spoto, Thomas (T.A.)
Subject: Autoliv

Bill/Todd,

In our mtg with Autoliv yesterday they received a few assignments. Can you find out when they will be responding?

- 1) Can diagnostic algorithm be modified to make the leakage and resistive test more sensitive.
- 2) Inspect the returned RCMs to determine if the driver ckts have not been damaged. Most specifically, the Low Side Driver

From a discussion today, Please ask Autoliv what would be the scenarios that allows for a short to positive to be present? Or is it best to have a conference call tomorrow on this subject. Need answer by Monday morning.

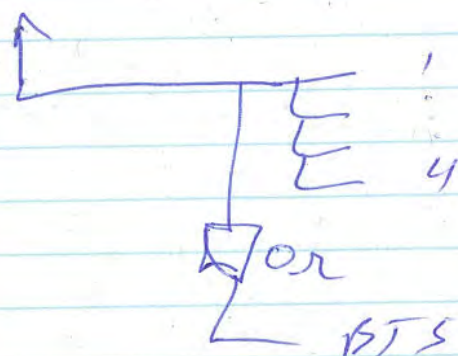
Sheran, was there other information we needed from Autoliv?

Tom Spoto
P221/P397/P415 EE System Engineering Supervisor
Ph/Fax: 313-845-5322
Txt Pg: 313-851-3732

Boson OCS

- Goals:
 1. 5.0V output
 2. Diagnostic visibility of all parts

07



I Bolts sampled at 128.2 Hz
(7.8ms)

- Proposal:
- One upstream current limited regulation
 - All downstream parts sized to survive short
 - Individual switch for each I-bolt to control individually
 - by on tests can turn on each I-bolt individually to determine if any one is shorted to ground
 - Short feedback could be via individual digital thresholds or maybe use I-bolt signal as feed back.

Mram: 1221 Deployment 2-20-06

- Bay deployed
- Back plate of Bay at 123V
- Ground plate at 0V
- DTC 2293-2, 22, 23
low high open

21-2

22-1 CM

23-1 CM

#2 Resistor 4.6M OPEN

#1 R = 3.3M

#2 Feed-Gnd R = 24M OPEN

RTN-Gnd R = 30M OPEN

#1 Feed-Gnd R = 38M OPEN

RTN-Gnd R = 12M OPEN

#1 Feed-Gnd V = 0.2V

RTN-Gnd V = 0.003V

#2 Feed-Gnd V = -0.05V

RTN-Gnd V = -0.076V

With wheel attached:

Peel'd back shroud. Corrosion stage #2

wires against sharp horn flange.

No sign of stage #1 shorts or

signs of chafing on #1.

- RTN Bracket ground resistance = 30M. Ohmmeter measure case to pin ground CO. 3-1. Torque looks proper.

For EPR
Removed wheel.
Stage #2 chafed. Copper exposed.
Installed simulator for stage 2
and plugged in original VTB for #1
Started vehicle, turned wheel and wiggled
wiring.

4-5-06 EU Telecon

- Andreas - Common ^{EU} ~~Global~~ Spec



Need to create one common
specification.

- Use normal EU conf call time
slot.
- Volvo, JLR agree that PSZ 5
is a good

- Need to meet every 2 weeks.

- Use SNSSPS eroom to store
common specs.

- 13) OSC cuts should be identical
Not mentioned in story books
- 14) Parts from Wafertek and Austin
have passed TEC Q100 tests.

313-323-6737
code: 233 39076

George

ATMC cycle time 20 wks
high batch 14 wks
TSMC 15 wks normal 12 wks expedited

2-9-06 P221 DAB cuts.

Clearwater, vehicle Jan 30

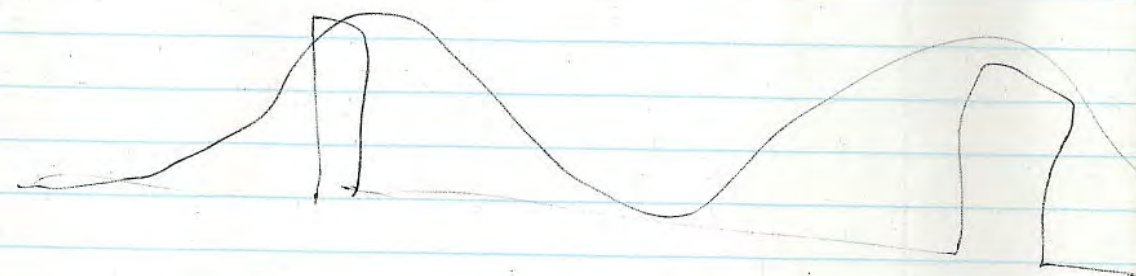
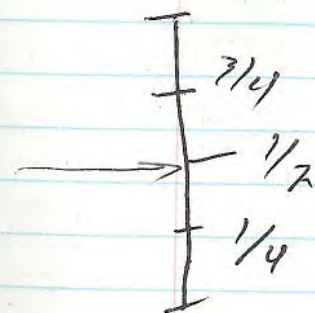
untouched.
Dealer: Customer went to dealer Nov 11
dealer diagnosed clockspring and
ordered new part. Customer
never came back in. Customer
reported deployment within 5 sec
off-on. Horn stuck on
after deployment continuously.
P2293

Tom Spoto, Paul Coley, Bill Pappas.

FL DAB deployment - B Pappas

2 shorts and #1 and #2

- Choke Pinned as 4-way exits clockspring
- 256 by cycles of both #1, #2 release Pinned

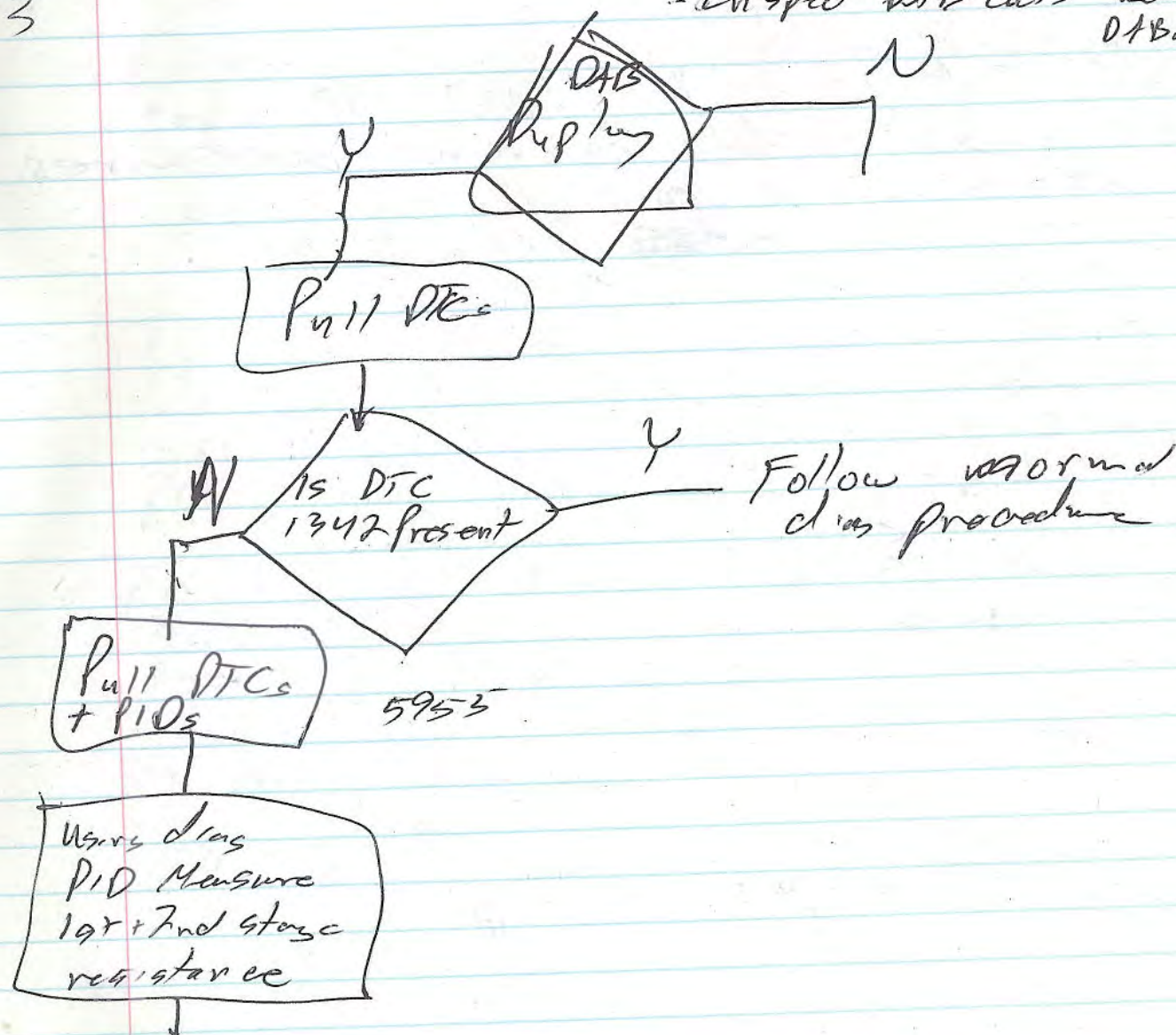


1. Did an airbag

1. Pull DTCs

2293

- Re-ground
- Reinstall DAB
- Pull clockspring
- Inspect ~~horn~~ fuses
- Voltage at ground of horn
- DAB mounting bolt behind wheel relative to ground.
- Inspect DAB chits between DAB & horn



- Russ Carlton

1. Temp Cycling - FSL indicates key cycling stresses due stress and should not be relevant

5. No variation on OSC. Donna will send data to Spiro and Spiro will do

Proprietary 3.55ms $\sigma = 0.08 \mu s$ FSL will do distribution
 Control 3.55ms $\sigma = 0.03 \mu s$
 Spec is 4ms

Uiateon, Bosch, Delphi have only request parts.

7. How will TSMC run at 20070 caps? Some capacity has been reallocated from other customers. Donna will send documentation.

9. $V_{th} \approx 4mV$, $V_{th} \approx 12mV$ both similar to control wafers. $2MOS_{th} = 12mV$

12 EMC differences: ASMC parts off a bit quieter but parts were tested under different conditions. FSL will retest all part in fusion. -hus

STA	Name of supplier
reals	Module name
	IC used
	Contract
	which parts being qualified

- Need plan to determine decision.

2-6-06

- Freescale looking to qualify 7 additional fabs. ATMC and Water Tech (Portland) Tier 1's need to qualify new plants and come to Ford with SRTH
- TSMC adding capacity
- In design phase parameters such as V_t are skewed in simulation to assure function under maximum production conditions.
- Freescale recommend input leakage as best parameter to correlate to V_t .
- Freescale field application team is doing OSC startup tests.
- Input leakage is more sensitive than OSC, so it will be a good screen.
- All I/O pins are measured at EOL.

2-7-06

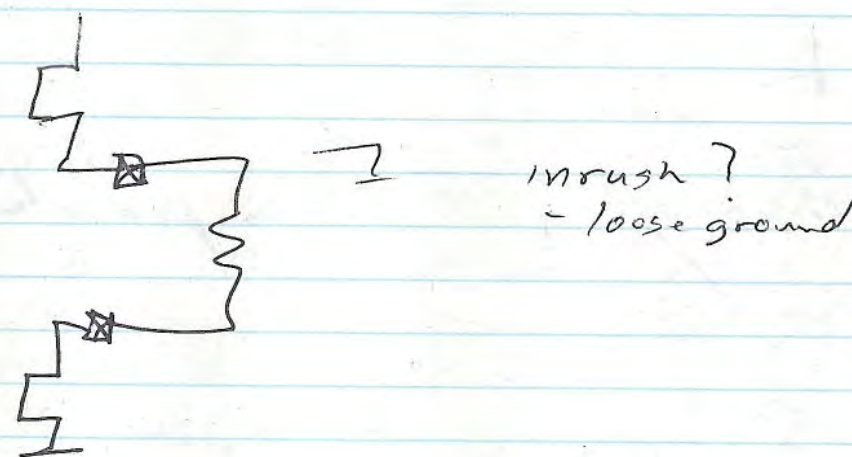
Thursday: Waterloo 9:00 AM
Friday: Austin 9:00 AM

Freescale provided sensitivity of leakage to V_t . They will confirm that production limits may already screen.

Negative resistance of parts well within specs from resonator suppliers. V_t should naturally will increase in resistance for Pierce mode oscillators which will help.

2-7-06 P221 DAB

- Fix is to add convolute over wires long term
- Floch tape is ~~short~~ term Fix



Can FSL implement to up

11:30

From: Beauchamp, Tina [TBeauchamp@lear.com]
Sent: Monday, February 22, 2010 1:02 PM
To: Culkeen, Patrick (P.M.)
Cc: Kreiger, Erik (E.)
Subject: DRAWING - CLOCKSPRING JUMPER

Attachments: 20100222125946667.pdf

Hi Pat,

See the attached drawing my plant did for this jumper and let me know if this looks okay or if you have any questions. Thanks again.

Tina

Sr. Account Manager
248-447-1964 phone
248-447-1920 fax

** LEGAL DISCLAIMER **

This E-mail message and any attachments may contain legally privileged, confidential or proprietary information. If you are not the intended recipient(s), or the employee or agent responsible for delivery of this message to the intended recipient(s), you are hereby notified that any dissemination, distribution or copying of this E-mail message is strictly prohibited. If you have received this message in error, please immediately notify the sender and delete this E-mail message from your computer.

2004-06 F150 Driver Airbag Uncommanded Deployment

Issue: Some 2004-06 F150 vehicles may exhibit a condition where the wires between the clockspring and the driver's airbag could become chaffed on the horn plate. This could result in an uncommanded deployment of the airbag primarily on start-up due to the RCM self diag.

- Issue first brought into CCRG in 2006
- Low incident rate (20 out of 1.6 million produced)
- No VOQ and only 1 or 2 minor injuries
- Continued to monitor
- Late 2007-early 2008 took another look (~100 reports)
- Had Michael Frankstien do projection analysis
- Agreed to take another look at a later date
- September this year took another look (~150 reports) and compared to projection results
- Trending below projection
- We will continue to monitor
- Will do another deep dive in 6 months (Mar/Apr time frame) to make sure it stays that way

We have it pretty much narrowed down to specific production date time frame (Nov.04 to Jun.05).

Most reported injuries have all been pretty minor (bruises, red marks). Some more major injuries include broken arm, teeth knocked out, knocked unconscious.

Interim fix put into production Jan. 06 (stone pecking tape on horn bracket).

Permanent fixes included tape, sleeving for wires, and repositioning the connector to the airbag to re-orient it away from the bracket.

From: Sutherland, Roy (R.W.)
Sent: Tuesday, March 21, 2006 8:55 AM
To: 'Henderson, Brent'; Horejsi, Joe
Cc: Bolen, Pat; Ebert, Rick
Subject: RE: Specification Sheet for Federal Mogul Material

Brent,
Any update in the Abrasion Resistance information availability yet?

Regards,
Roy Sutherland Jr.
Ford Core Clockspring & Steering Wheel Switch D&R Engineer
Email: rsutherl@ford.com
Phone: 313-62-16386
Cell: 313-805-6905
Bldg#5, Cube 1D009

-----Original Message-----

From: Henderson, Brent [mailto:BHenderson@methode-aecd.com]
Sent: Friday, March 17, 2006 2:29 PM
To: Henderson, Brent; Sutherland, Roy (R.W.); Horejsi, Joe
Cc: Bolen, Pat; Ebert, Rick
Subject: RE: Specification Sheet for Federal Mogul Material

Another update. I was contacted by Tom Flickinger of Federal-Mogul today.
Tom said he would be able to get me the information in the next couple of days.

Brent

-----Original Message-----

From: Henderson, Brent
Sent: Thursday, March 16, 2006 10:11 AM
To: 'Sutherland, Roy (R.W.)'; Henderson, Brent; Horejsi, Joe
Cc: Bolen, Pat; Ebert, Rick
Subject: RE: Specification Sheet for Federal Mogul Material

Roy -

Just an update. After going through about five different people at Federal-Mogul, I was able to get into contact with a person which knows something about the product. The Federal-Mogul employee did not have the abrasion resistance testing specification readily available and she was going to make a few more calls internally to try to obtain the information. She hopes to get back to me today or tomorrow morning.

Brent

-----Original Message-----

From: Sutherland, Roy (R.W.) [mailto:rsutherl@ford.com]
Sent: Wednesday, March 15, 2006 6:58 AM
To: Henderson, Brent; Horejsi, Joe

Cc: Bolen, Pat; rick.ebert@methode.com
Subject: RE: Specification Sheet for Federal Mogul Material
Importance: High

Brent/Joe,

Can you find out from Federal Mogul what the Abrasion Resistance is for the Flexfit 2113 material? I would like to compare that information to the Sofanou Nu-Guard DP material. The Sofanou material was tested to SAE ARP 1536A, please find out if the Flexfit 2113 material was tested to the same spec or a different specification.

Is it possible to get 6 P221 clocksprings made up with the Sofanou material? The black material would be fine for these parts. I would like to get these to do some side by side comparison testing between the two materials.

Thanks,
Roy Sutherland Jr.
Ford Core Clockspring & Steering Wheel Switch D&R Engineer
Email: rsutherl@ford.com
Phone: 313-62-16386
Cell: 313-805-6905
Bldg#5, Cube 1D009

-----Original Message-----

From: Henderson, Brent [mailto:BHenderson@methode-aecd.com]
Sent: Thursday, March 09, 2006 1:45 PM
To: Sutherland, Roy (R.W.); Horejsi, Joe
Cc: Bolen, Pat
Subject: Specification Sheet for Federal Mogul Material

Roy-

I believe this is the specification sheet for the Federal-Mogul (Bentley-Harris) material which was sent to Ford (yellow tube). The reel which the yellow tube came on indicated its part name was FlexFit 2100.

However, there was no data available on the Federal-Mogul website regarding this number. I tried to contact Federal-Mogul regarding this and could not get through to anyone. The expansion ratio of the yellow material is about 3 to 1 so I am assuming it is the 2113 material.

Regardless, it appears any FlexFit-type braided sleeving is composed of polyester. The Nu-Guard DP-S material which we are proposing is composed of the same material (PET) and the same expansion ratio as the FlexFit 2112.

Brent

<<13646692eFlexfit2113.pdf>>

Flexfit™ 2113

Two cables are shown against a grey background. The upper cable has a dark brown braided shield and a bundle of multi-colored conductors (blue, green, yellow, orange, red, white) at its end. The lower cable has a similar braided shield and a bundle of yellow and orange conductors at its end.

- Bentley-Harris® Flexfit 2113** is a light, highly expandable sleeve specifically designed for bundling and abrasion protection of automotive wire harnesses. Its high expansion ratio enables installation over long lengths even after the fitting of large end connectors. Furthermore it allows a large number of diameters to be covered with a limited range of sizes.

Flexfit 2113 is constructed of modified polyester monofilaments. This construction ensures good protection against mechanical abrasion, resistance to common automotive fluids, and self-extinguishing properties.

- Wire harnesses

BentleyHarris®
Protection Products

Eu2113a.EuDoc-30/09/2002

From: Rossi, Bob (R.E.)
Sent: Tuesday, February 07, 2006 5:44 PM
To: Clark, Todd (T.N.); Tippy, David (D.J.)
Cc: Rossi, Bob (R.E.); Pappas, Bill (B.)
Subject: P221 DAB Inspection Flowchart

Attachments: Visio-P221DABInsp.pdf

Flowchart per today's meeting is attached. Please advise of any changes and I'll modify as required.

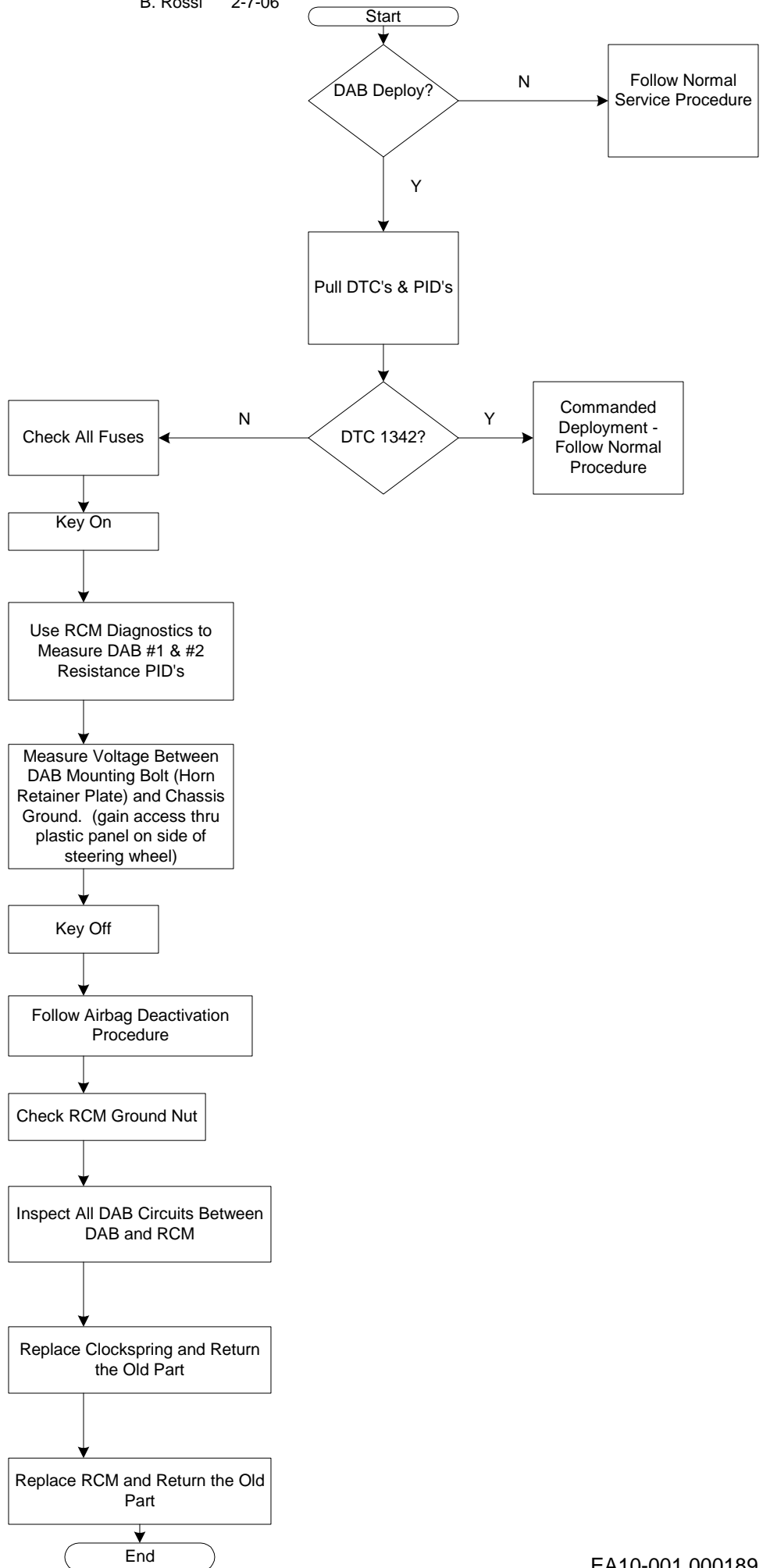


Visio-P221DABInsp.
pdf

Regards,

Bob Rossi

Ford Motor Company
Restraints Electronics
313-322-5995
brossi2@ford.com



Wrestler, Sandy (S.J.)

From: Wrestler, Sandy (S.J.)
Sent: Monday, April 03, 2006 1:31 PM
To: Landis, Kenneth (K.M.); Lynch, Jim (J.); Chascsa, Jim (JRCII.); Kim, Peter (P.K.)
Subject: Open Items

Ken,

Peter called this morning after I got back to the office - he appologized again for the distraction this morning. He requested that I set up a Design Review on the following items:

- **Torsion Spring:**
 - Wants to actual physical parts that were tested and broke as well as actual physical parts that pass the Propsed New S/W Vibration Spec.
 - Analysis that supports the new Higher Yield Strength material selection - preferably CAE
 - Possibly, Spring calculations that show the peak stress in the old spring and where that is relative to it's yield point comparted to the peak stress and yield point with the new material.
- **Pinched Wire:**
 - Review actual parts/pinched wire.
 - Review new design w/improved wire retention.

Please send brief status update every day or two to Peter and myself as requested this morning.

~~~~~

Jim,

Peter wants to include a discussion and timing of:

- **Vibration Specification Investigation:**
  - Timing for verification and change of S/W and DAB Module Vibration Test Specs.

~~~~~

Earliest available time/date on Peter's Design Review Agenda wasn't until next Wednesday 4/12 at 11:00 AM. I put a hold on that time for now but Peter may re-prioritize his DR agenda. I believe the Agenda item description is only listed as 07 U222/8 Torsion Spring but I meant for it to include all of the items above.

Thanks

Sandra Jo Wrestler

Supervisor, Ford NAE Restraints
Steering Wheels, DAB and PAB
SUV/BOF and PTAC
PDC, 2F-K60, 313 805-3473

From: Sutherland, Roy (R.W.)
Sent: Wednesday, January 13, 2010 12:43 PM
To: Culkeen, Patrick (P.M.)
Subject: Jumper Harness Procedure

Follow Up Flag: Follow up
Flag Status: Red

Attachments: Preliminary Clkspr jumper instructions.xls

Pat,
Here is the preliminary procedure to removal/install the jumper harness. Please let me know if you have any questions.

Regards,

Roy Sutherland Jr.

Ford Core Clockspring, Steering Wheel Switch,
Global Door Lock/Memory Set & Headlamp Switch D&R Engineer
Email: rsutherl@ford.com
Phone: 313-805-6905
Bldg#5, Cube 1D009



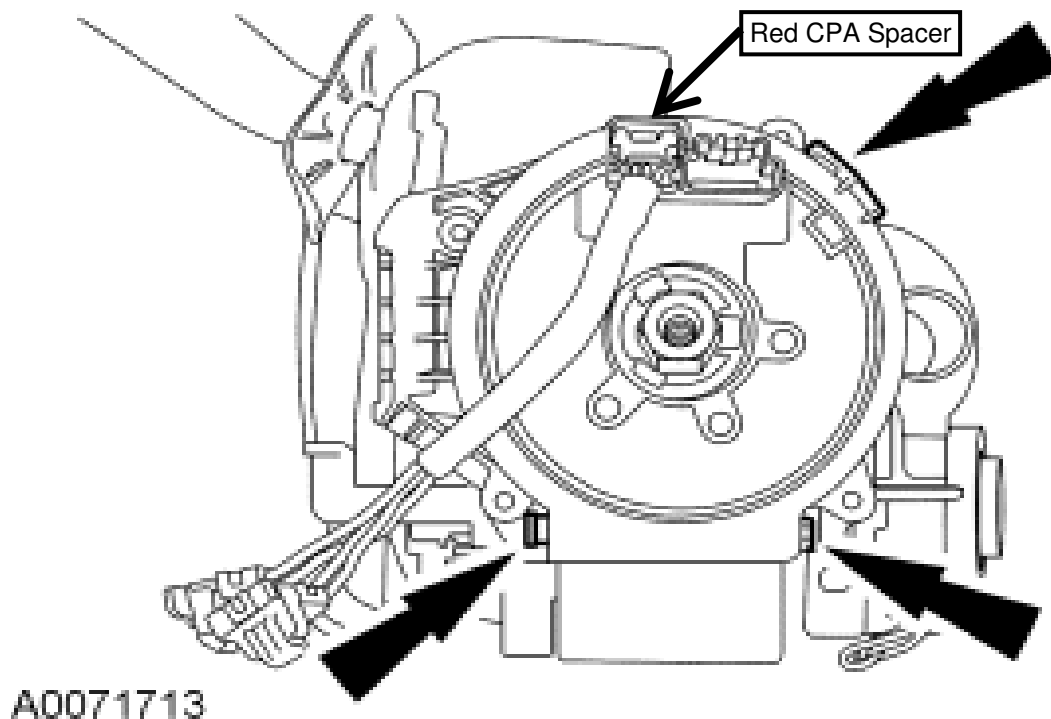
Preliminary Clkspr
jumper inst...

Removal

NOTE: The supplemental restraint system (SRS) must be fully operational and free of faults before releasing the vehicle to the customer.

NOTE: The air bag warning indicator illuminates when the restraints control module (RCM) fuse is removed and the ignition switch is ON. This is normal operation and does not indicate a SRS fault.

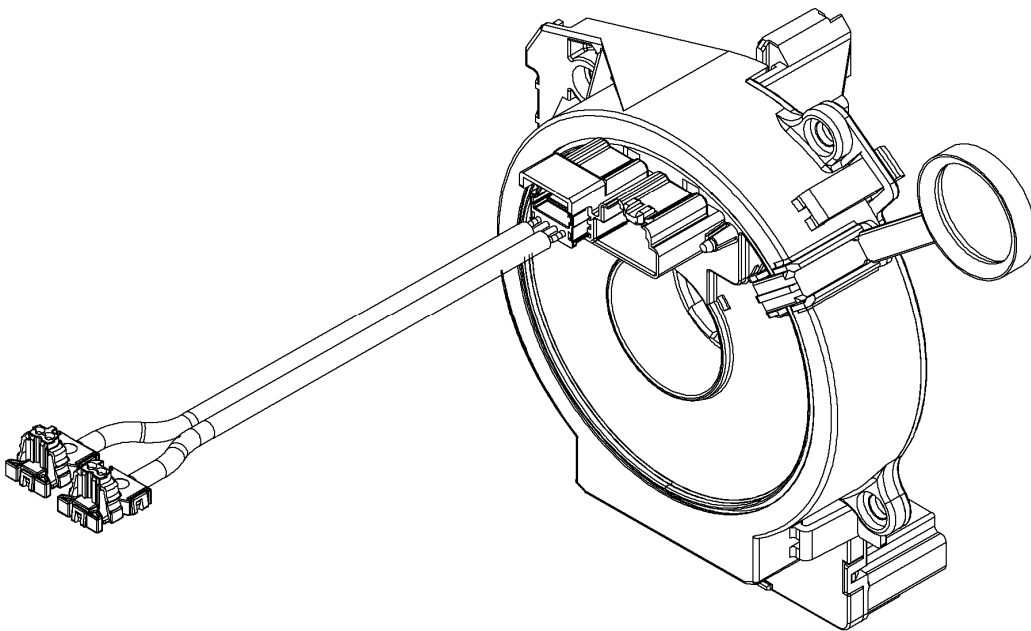
1. Depower the SRS. For additional information, refer to Supplemental Restraint System (SRS) Depowering and Repowering in the General Procedures portion of this section.
2. Make sure the road wheels are in the straight-ahead position.
3. Remove the driver air bag module. For additional information, refer to Driver Air Bag Module in this section.
4. Using a small tool, remove the red connector position assurance (CPA) spacer from the connector located at the base of the clockspring airbag jumper harness.



5. Disconnect the clockspring electrical connector and remove the jumper harness.

Installation

1. Install new jumper harness.
2. Push in Red CPA on connector.
3. Install the driver air bag module. For additional information, refer to Driver Air Bag Module in the General Procedures portion of this section.
4. Repower the SRS. For additional information, refer to Supplemental Restraint System (SRS) Depowering and Repowering in the General Procedures portion of this section.



PTAC and SUVBOF NAE RESTRAINTS
S/W DAB OPEN ISSUES
Sandy Wrestler - as of 1/24/2006 12:09 PM

[illegible]

C:\Documents and Settings\swrestle\My Documents\sjw\SJW Open Issues 10JANPage 11 of 2

Put on Monday disc. w/VCS
d on ahead of that note

EA10-001 000194

PTAC and SUVBOF NAE RESTRAINTS
S/W DAB OPEN ISSUES
Sandy Wrestler - as of 1/24/2006 12:09 PM

#	DESCRIPTION	PGM	COMMODITY	RESPONSIBLE	OPEN	DUE	PENDING	CLOSED	STATUS	REMARKS
12										
13										
14	Alert for 07 U22X Armature filing to represent masking for 1PP	U222/8 - 07	S/W	KLANDIS1	1/11/2006		1/12/2006	1/12/2006	C	1/12/06 - Talked to Ken, he made note and told Jim Lynch. Said they'd handle.
15	U222/8 Late PSW and Strategic Issues Summary	U222/8 - 07	All	SWRESTLE	1/20/2006		1/23/2006	1/23/2006	C	Forwarded summary to Marcus Oden 1/23/06
16										
17										
18										
19										
20										
21	P06 P221 DAB SDS Lessons Learned from C/S wiring issue for Thursday TS S/W & DAB design review.	06 P221	DAB	SWRESTLE	1/24/2006				O	
22										
23										
24	Set up review of 06 P221 DAB & C/S Chaffing by EOW w/ Peter in prep for 8D review w/ MW.	All	S/W & DAB	SWRESTLE	1/24/2006				O	
25	U222/8 PPAP status review w/Peter at next Monday's design review.	All	S/W & DAB	SWRESTLE	1/24/2006				O	
26										

SREA super sign
then STA
then to Peter

- 1) P150 DAB Update H/A weekly summary
- 2) P221 DAB C&S - proper SP
History Timeline - w/ Charles
- 3) P415 DAB ES/W Design Review
- Pin Durability (1-hr DAB)
Monday ok if ready
- 4) Fluidex - Peter reviewed - were going
to review w/ M.W. & then agree
to kill it.
- 5) 01P415 - Craftsmanship section as part
of review - incl. switch interface
- copy CD338, Paul F. design
switch interface
- 6) U222 PAB don't worry about → Many
- 7) U228 PAB Def Install Efforts "if
- 8) U251 PAB - Many
Chas review D&R

From: Henderson, Brent [BHenderson@methode-aecd.com]
Sent: Tuesday, February 14, 2006 5:00 PM
To: Sutherland, Roy (R.W.); Horejsi, Joe; Bolen, Pat; Henderson, Brent
Cc: Klosek, Walter (W.)
Subject: RE: Clockspring Pigtail Concepts
Follow Up Flag: Follow up
Flag Status: Red
Attachments: NuGuardDPData.pdf; Nu-GuardDPPrint.pdf

Roy -

Here is a data sheet on the tubing from Sofanou. Sofanou is our current supplier of this type of product. Per Sofanou, this material has not been tested to any Ford standards. However, they do supply this product to Lear and can provide us with the test data they used to pass Lear testing.

Brent

-----Original Message-----

From: Sutherland, Roy (R.W.) [mailto:rsutherl@ford.com]
Sent: Tuesday, February 14, 2006 10:59 AM
To: Joe Horejsi (E-mail); Pat Bolen (E-mail); Brent Henderson (E-mail)
Cc: Klosek, Walter (W.)
Subject: Clockspring Pigtail Concepts

Methode Team,

Attached are the concepts for the two programs. Please let me know if you have any questions.

Regards,

Roy Sutherland Jr.

Ford Core Clockspring & Steering Wheel Switch D&R Engineer

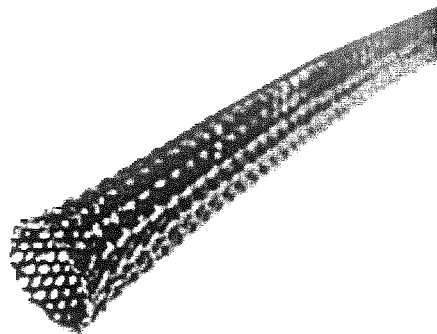
Email: rsutherl@ford.com

Phone: 313-62-16386

Cell: 313-805-6905

Bldg#5, Cube 1D009

<<P221 CLK Pigtail Concept.ppt>> <<U222 SCT CLK Pigtail Concept.ppt>>



Application

The Nu-Guard DP is made through a combination of P.E.T. weaving and polyester monofilaments. It is an economical yet high-performance mechanical protection solution for cable harnesses.

Nu Guard DP-L : a combination weave of P.E.T (polyethylene terephthalate) braided of 0.009" and 0.012" diameter polyester monofilaments. The relatively open weave of the monofilaments provides excellent drainage, while maintaining good abrasion resistance and reduced cost due to lower material content.

Nu Guard DP-S : a combinaison weave of heavy duty P.E.T (polyethylene terephthalate) braided of 0.10" and 0.015" diameter polyester monofilaments. Like the DP-L construction which provides excellent drainage, Nu-Guard DP-S has excellent abrasion resistance.

Nu Guard DP-T: a combinaison weave of heavy duty P.E.T (polyethylene terephthalate) braided of 0.10" and 0.015" diameter polyester monofilaments. The tight weave construction still provides excellent drainage, while adding superior abrasion resistance over Nu Guard DP-S

Implementation

The open armor design of the Nu Guard DP sleeves allows for going beyond their original diameters: this expansion, in combination with extreme flexibility, even at low temperatures, makes it easy to install them particularly on irregular shapes.

DIMENSIONAL

Reference	Description	Ø nominal (inch-mm)	expansion minimum of the Ø (inch)	number of braids
NGDP-L 1/4" - 6mm	NU-GUARD NGDP-L 1/4" - 6mm	1/4" - 6mm	0,438	48
NGDP-L 5/16" - 8mm	NU-GUARD NGDP-L 5/16" - 8mm	5/16" - 8mm	0,5	48
NGDP-L 1/2" - 13mm	NU-GUARD NGDP-L 1/2" - 13mm	1/2" - 13mm	0,750	48
NGDP-L 3/4" - 19mm	NU-GUARD NGDP-L 3/4" - 19mm	3/4" - 19mm	1,125	72
NGDP-L 11/4" - 32mm	NU-GUARD NGDP-L 11/4" - 32mm	11/4" - 32mm	2,0	96
NGDP-L 11/2" - 38mm	NU-GUARD NGDP-L 11/2" - 38mm	11/2" - 38mm	2,250	96
NGDP-S 1/8" - 3mm	NU-GUARD NGDP-S 1/8" - 3mm	1/8" - 3mm	0,218	32
NGDP-S 1/4" - 6mm	NU-GUARD NGDP-S 1/4" - 6mm	1/4" - 6mm	0,438	48
NGDP-S 3/8" - 10mm	NU-GUARD NGDP-S 3/8" - 10mm	3/8" - 10mm	0,5	32
NGDP-S 1/2" - 13mm	NU-GUARD NGDP-S 1/2" - 13mm	1/2" - 13mm	0,750	48
NGDP-S 3/4" - 19mm	NU-GUARD NGDP-S 3/4" - 19mm	3/4" - 19mm	1,250	72
NGDP-S 1" - 25mm	NU-GUARD NGDP-S 1" - 25mm	1" - 25mm	2,0	96
NGDP-S 11/4" - 32mm	NU-GUARD NGDP-S 11/4" - 32mm	11/4" - 32mm	2,250	96
NGDP-S 11/2" - 38mm	NU-GUARD NGDP-S 11/2" - 38mm	11/2" - 38mm	2,250	96
NGDP-S 13/4" - 44mm	NU-GUARD NGDP-S 13/4" - 44mm	13/4" - 44mm	2,750	120
NGDP-S 2" - 50mm	NU-GUARD NGDP-S 2" - 50mm	2" - 50mm	3,00	120
NGDP-T 21/2" - 63mm	NU-GUARD NGDP-T 21/2" - 63mm	21/2" - 63mm	3,00	120
NGDP-T 1/4" - 6mm	NU-GUARD NGDP-T 1/4" - 6mm	1/4" - 6mm	0,250	32
NGDP-T 5/16" - 8mm	NU-GUARD NGDP-T 5/16" - 8mm	5/16" - 8mm	0,500	40
NGDP-T 3/8" - 10mm	NU-GUARD NGDP-T 3/8" - 10mm	3/8" - 10mm	0,500	40
NGDP-T 1/2" - 13mm	NU-GUARD NGDP-T 1/2" - 13mm	1/2" - 13mm	0,625	48
NGDP-T 3/4" - 19mm	NU-GUARD NGDP-T 3/4" - 19mm	3/4" - 19mm	1,125	72
NGDP-T 1" - 25mm	NU-GUARD NGDP-T 1" - 25mm	1" - 25mm	1,250	96
NGDP-T 11/4" - 32mm	NU-GUARD NGDP-T 11/4" - 32mm	11/4" - 32mm	1,500	96
NGDP-T 11/2" - 38mm	NU-GUARD NGDP-T 11/2" - 38mm	11/2" - 38mm	2,250	96
NGDP-T 13/4" - 44mm	NU-GUARD NGDP-T 13/4" - 44mm	13/4" - 44mm	2,500	120

CHARACTERISTICS

Colors	Black, other colors upon request
Uses	Abrasion resistance, chemical protection
Packaging	Rolls, cut lengths upon request

Methods	Units	NU-GUARD DP
---------	-------	-------------

Mechanical Characteristics

Abrasion resistance	SAE ARP 1536A	DP-L	7,072
		DP-S	33,551
		DP-T	117,482

Thermal Characteristics

Minimum continuous operating temperature	°C	-40
Maximum continuous operating temperature	°C	150
Melt temperature	°C	251

Specific Characteristics

Resistance to car fluids	ASTM D2671	Complies
Comment		Above values are typical performance data and are not intended to be used as design data

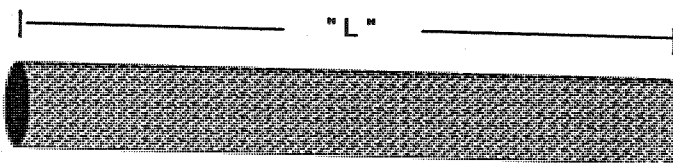
SIZE		Braid Type	Min Exp Dia (inches)	Yield +/- 10% lbs / 1000ft	No. of Carriers	Ends (per_carrier)	PPI +/- 2	Sofanou Part #
1/8"	3mm	DP-S	0.218	2.1	32	1 (note 4)	18	30897
1/4"	6mm	DP-S	0.438	3.0	48	1 (note 5)	20	30898
1/4"	6mm	DP-L	0.438	3.7	48	1 (note 6)	20	30899
1/4"	6mm	DP-T	0.250	5.2	32	1_1	14	30274
5/16"	8mm	DP-T	0.500	9.0	40	2_1	14	30275
5/16"	8mm	DP-L	0.500	5.3	48	1_1	15	30900
3/8"	10mm	DP-S	0.500	7.3	32	2_1	17	30251
3/8"	10mm	DP-T	0.500	10.7	40	2_1	20	30253
1/2"	13mm	DP-S	0.750	10.5	48	2_1	11	30255
1/2"	13mm	DP-T	0.625	11.2	48	2_1	14	30257
1/2"	13mm	DP-L	0.750	7.0	48	2_1	12	30254
5/8"	16mm	DP-S	1.000	9.9	48	2_1	9	31711
5/8"	16mm	DP-T	1.000	10.3	48	2_1	12	31712
5/8"	16mm	DP-L	1.000	7.0	48	2_1	9	31713
3/4"	19mm	DP-S	1.250	17.0	72	2_1	12	30262
3/4"	19mm	DP-T	1.125	17.0	72	2_1	13	30901
3/4"	19mm	DP-L	1.125	11.4	72	2_1	11	30260
1"	25mm	DP-S	2.000	19.4	96	2_1	13	30902
1"	25mm	DP-T	1.250	20.7	96	2_1	13	30903
1 1/4"	32mm	DP-S	2.250	19.0	96	2_1	12	30904
1 1/4"	32mm	DP-T	1.500	20.7	96	2_1	12	30905
1 1/4"	32mm	DP-L	2.000	14.9	96	2_1	13	30906
1 1/2"	38mm	DP-S	2.250	26.3	96	3_1	10	30907
1 1/2"	38mm	DP-T	2.250	27.3	96	3_1	14	30908
1 1/2"	38mm	DP-L	2.250	14.5	96	2_1	13	30909
1 3/4"	44mm	DP-S	2.750	33.6	120	3_1	12	30910
1 3/4"	44mm	DP-T	2.500	42.6	120	4_1	9	30911
2"	50mm	DP-S	3.000	33.4	120	3_1	12	30912
2 1/2"	63mm	DP-S	3.000	32.0	120	3_1	9	30913

Rev	Description	Date	By
A	Initial Release	12/03	pvu
B	Revised Performance Data	09/04	pvu
C	Revised Sofanou Part Numbers	10/04	pvu
D	Added note 11 & customer approval	10/04	pvu
E	Added 5/8" for DP-S, DP-T & DP-L	11/04	pvu
F	Revised Cut Tolerances	11/04	pvu

CUTTING TOLERANCES	
LENGTH mm	TOL +/- mm
40 - 76	3
76 - 152	5
152 - 304	6
304 - 914	12
914 - 1220	25
1220 - 1524	38
1524 or more	51


NOTES:

- Dimension "A" is minimal expansion diameter.
- Dimension "L" to be specified by user.
- Picks per inch are based on expansion over a mandrel equivalent to the "A" min. expanded diameter.
- 1 end per carrier; 8 carriers .015" PET, 24 carriers .010" PET.
- 1 end per carrier; 12 carriers .015" PET, 36 carriers .010" PET.
- 1 end per carrier; 24 carriers .009" PET, 24 carriers .012" PET.
- Light weave construction is DP-L (.009" & .012")
Standard weave construction is DP-S (.010" & .015")
Tight weave construction is DP-T (.010" & .015")
- Nu-Guard DP construction incorporates the use of PET Polyester monofilaments.
- Monofilament resin meets all ASTM D-4000 criteria
- Class "C" temperature range with peaks of 150°C
- Meets requirements of DCX MS NA1-8



Performance Data Sheet

Performance Data Sheet					
ASTM D204	Diameter	.009"	.012"	.010"	.015"
	Linear Shrink %	0.83	1	1.84	0.92
ASTM D3418	Melt Point °C	252	253	251	253
ASTM 2256	Breaking Tenacity (MPa)	640	570	610	530
	Elongation @ Break %	22.0	24	25	25
SAE ARP 1536	Abrasion Resistance (cycles to fail)	DP-L	7,072		
		DP-S	33,551		
		DP-T	117,482		
ASTM E290	Low Temp Flexibility	-40° C			

Nu-Guard DP		Spec No.	SOFPS-NGDP E-001
Date:	11/27/03		
Engineering:	P.Urbarri / C.JT		
Cust Approval:			
Date Approved:			



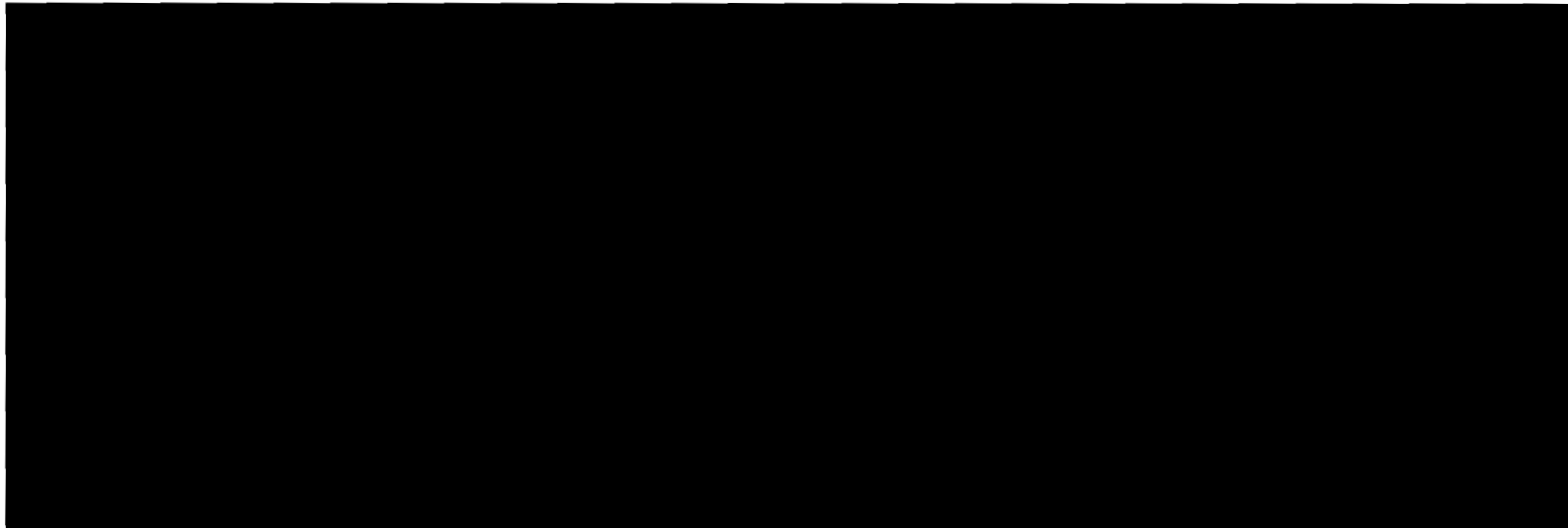
Body Engineering Chief Review

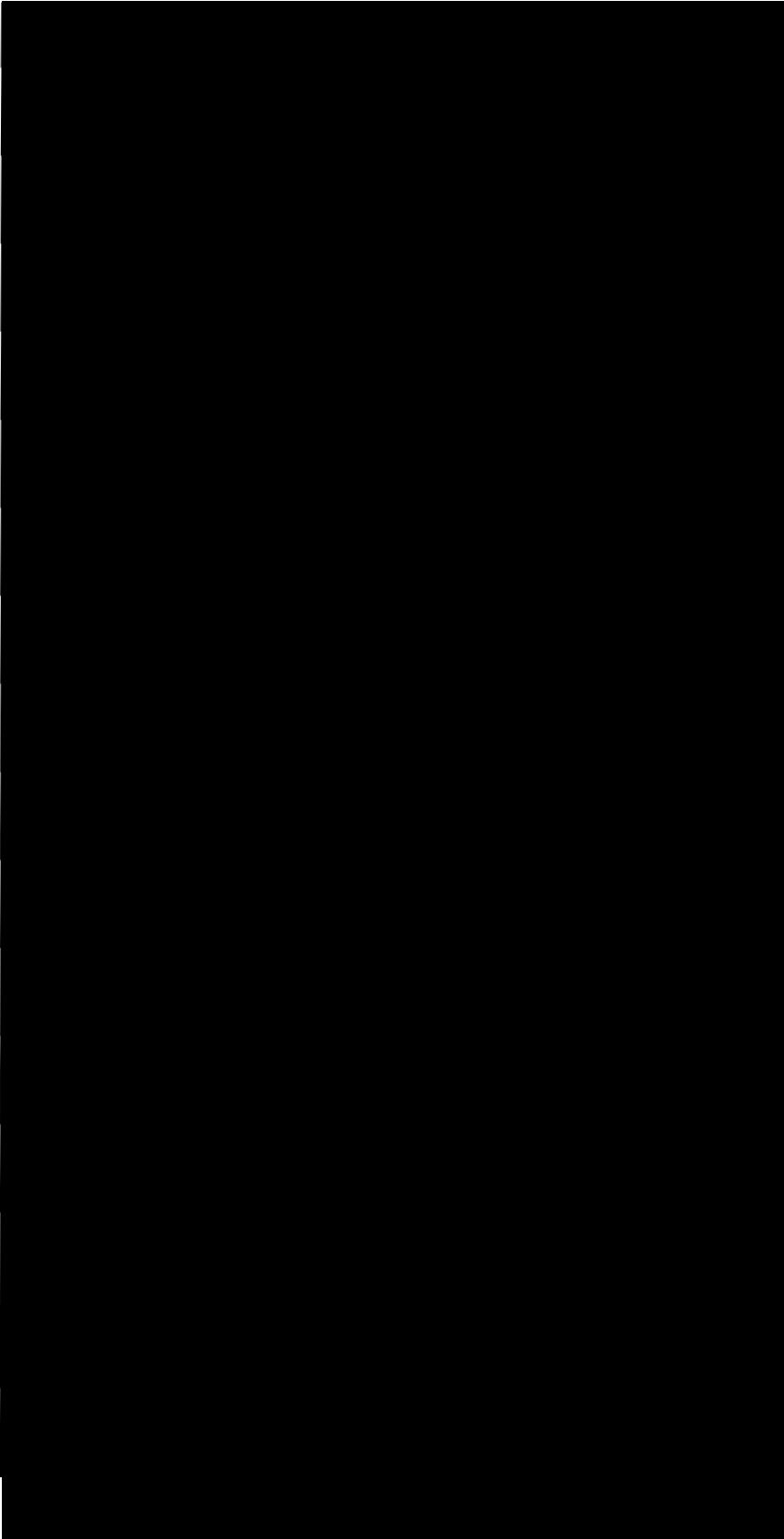
Air Bag Warning Light – Systemic Issue

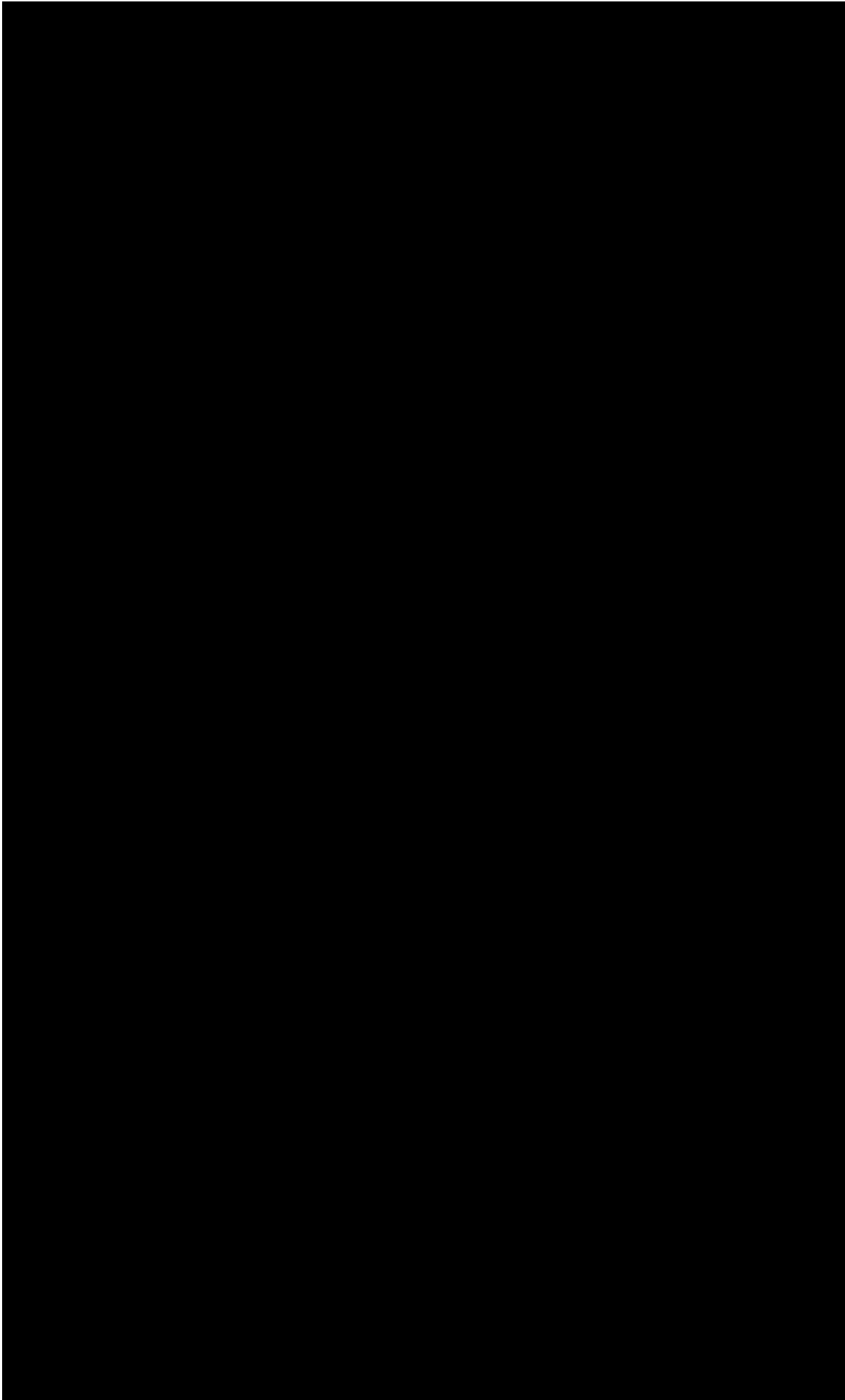
April 13, 2006

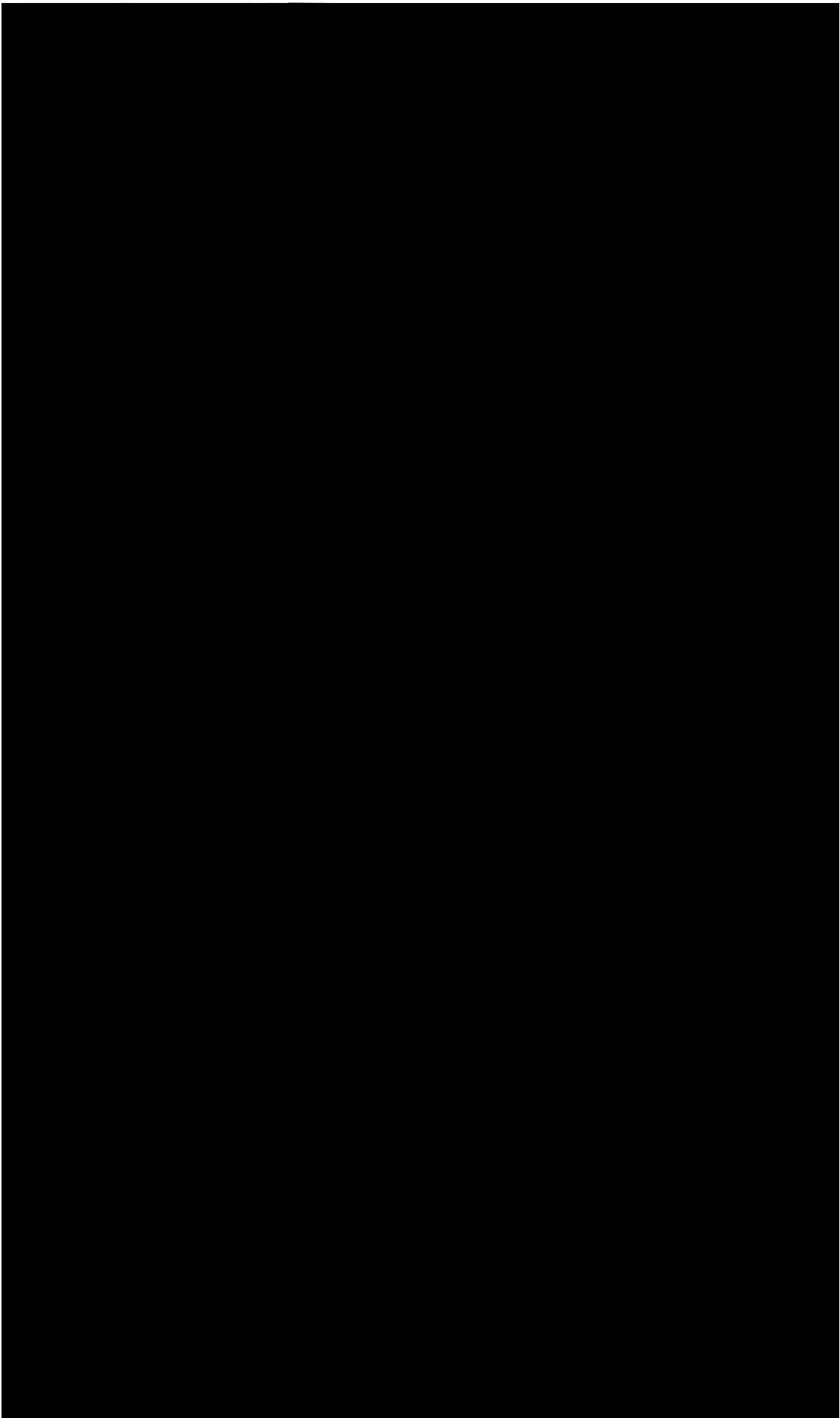
Patricia E. Keckan, Crash Sensor D&R

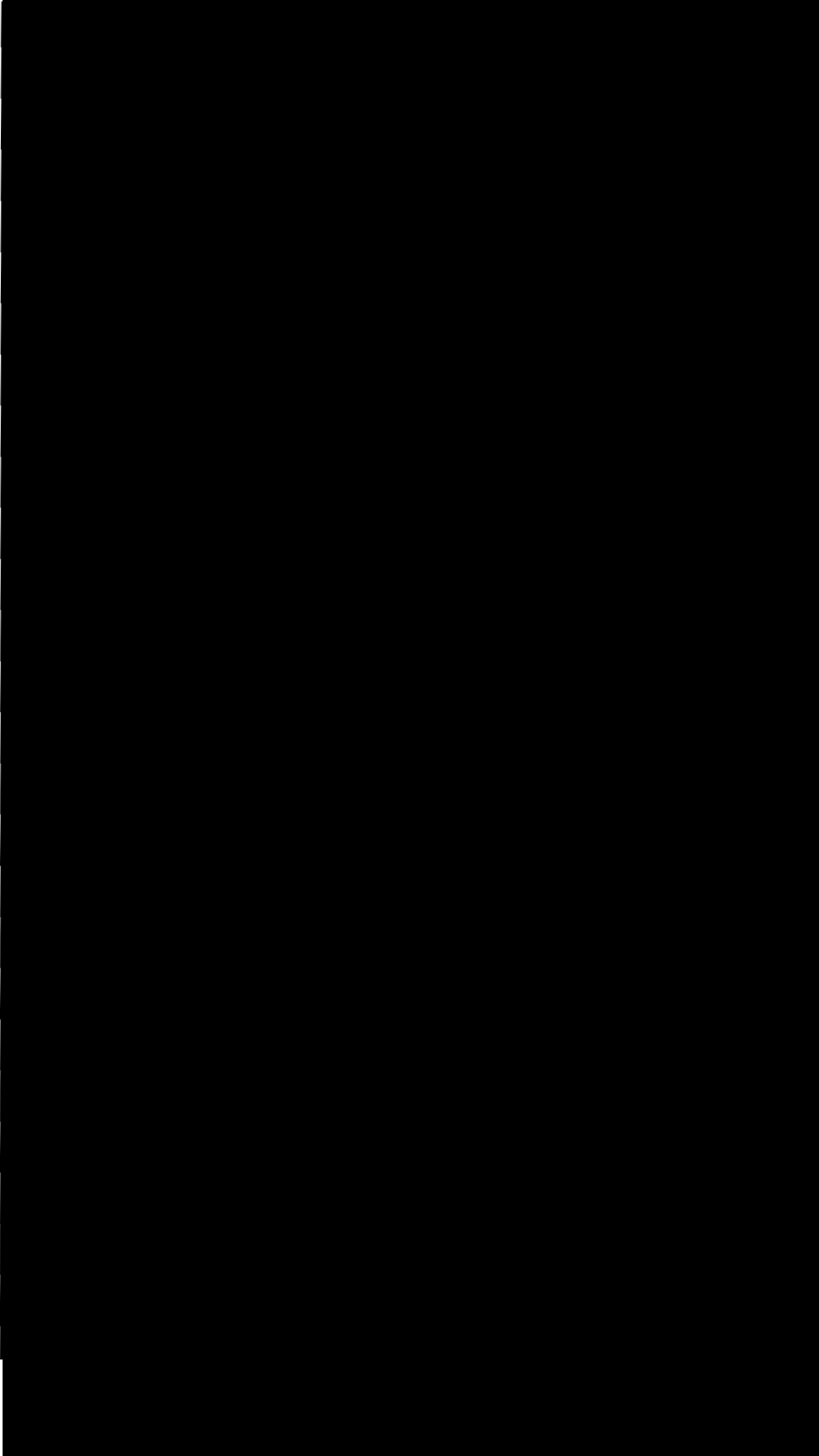
Systemic Issue – Air Bag Warning Light Workplan

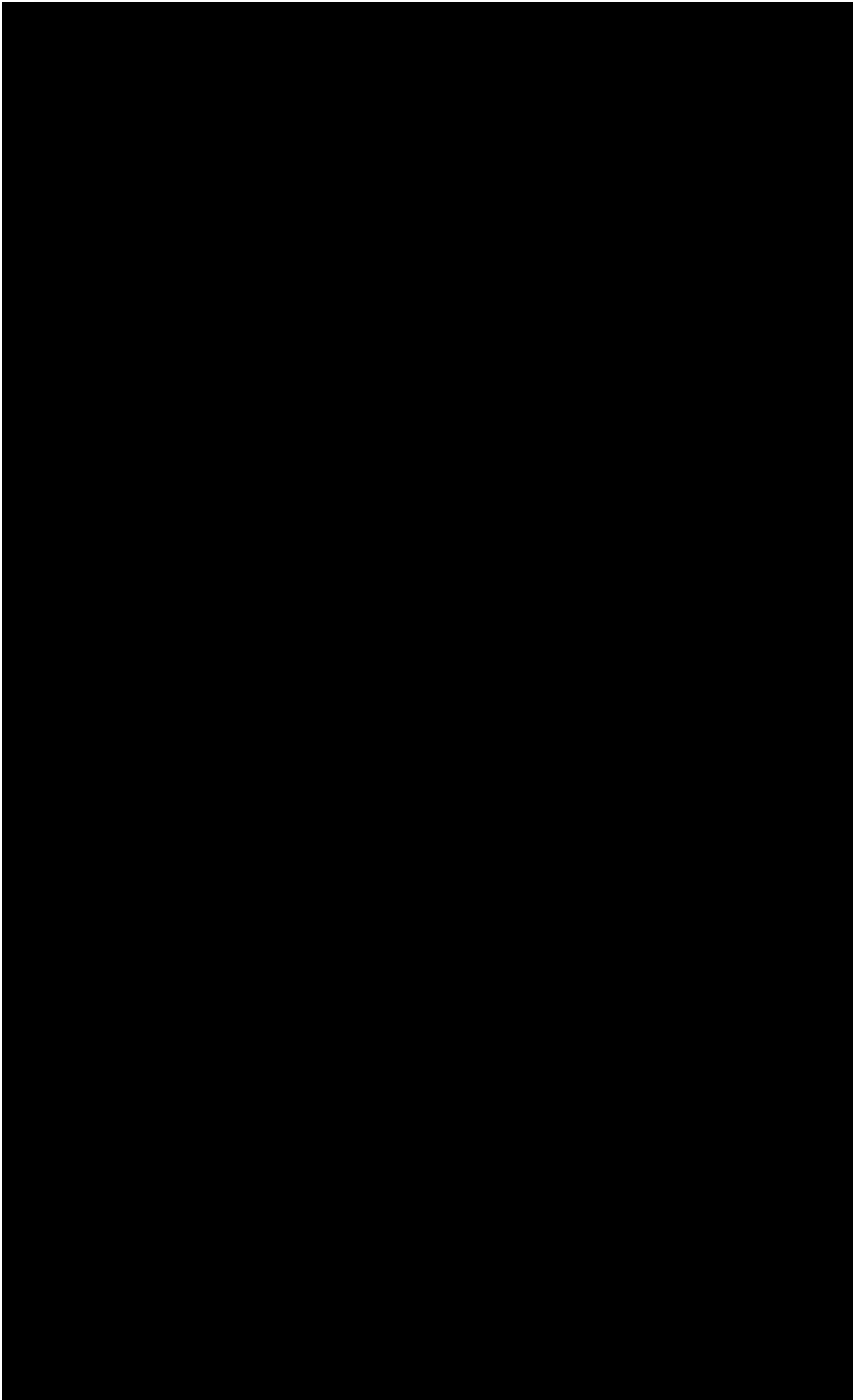




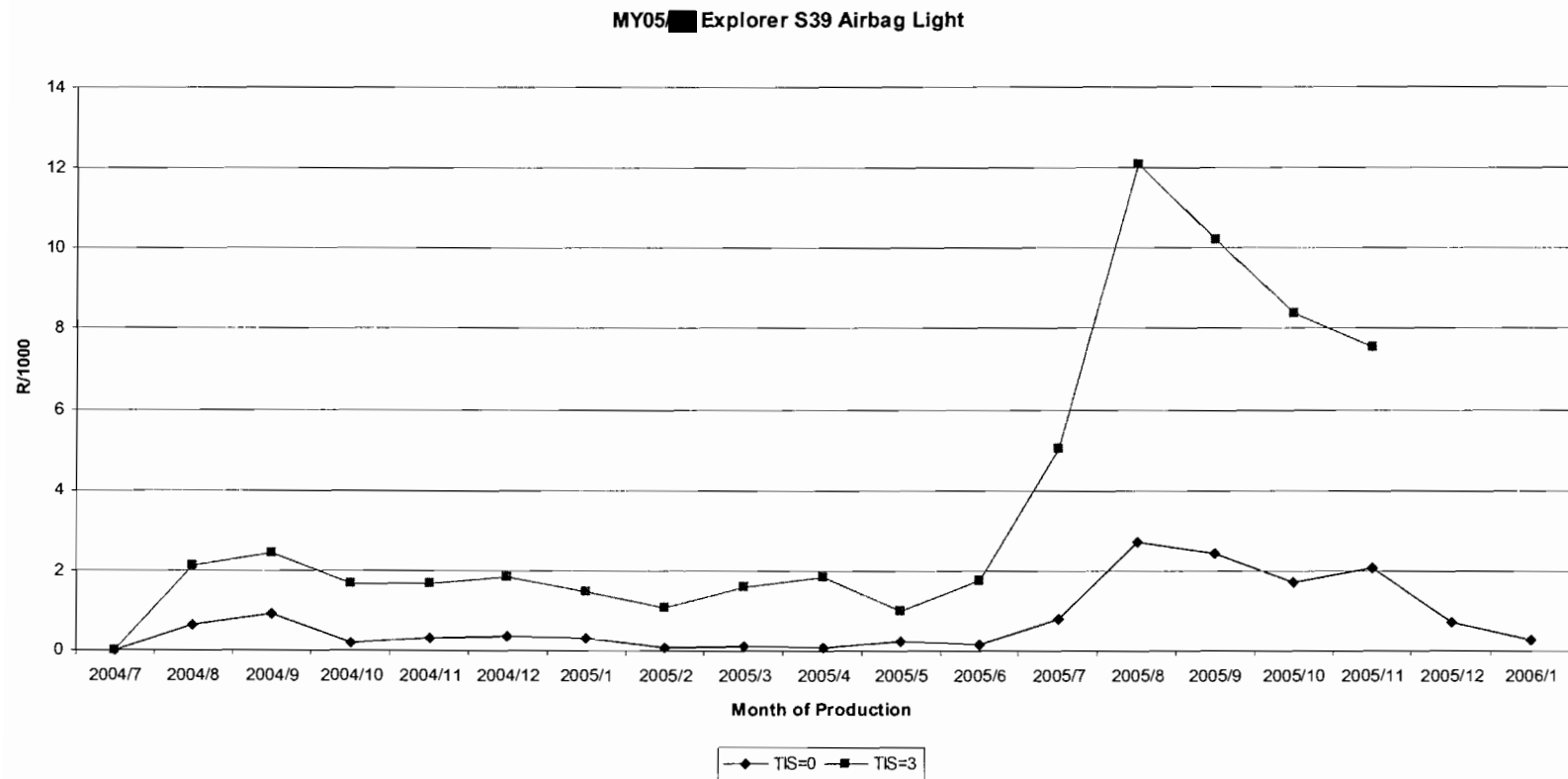








Systemic Issue – Airbag Warning Light



From: Clark, Todd (T.N.)
Sent: Wednesday, February 08, 2006 9:36 AM
To: Ranalli, Buzz (R.J.)
Subject: FW: P221 DAB Inspection Flowchart

Attachments: Visio-P221DABInsp.pdf

Todd N. Clark
Supervisor, Crash Sensors
NAE Safety
Ford Motor Company
Tel: 313.805.5601

-----Original Message-----

From: Rossi, Bob (R.E.)
Sent: Tuesday, February 07, 2006 5:44 PM
To: Clark, Todd (T.N.); Tippy, David (D.J.)
Cc: Rossi, Bob (R.E.); Pappas, Bill (B.)
Subject: P221 DAB Inspection Flowchart

Flowchart per today's meeting is attached. Please advise of any changes and I'll modify as required.

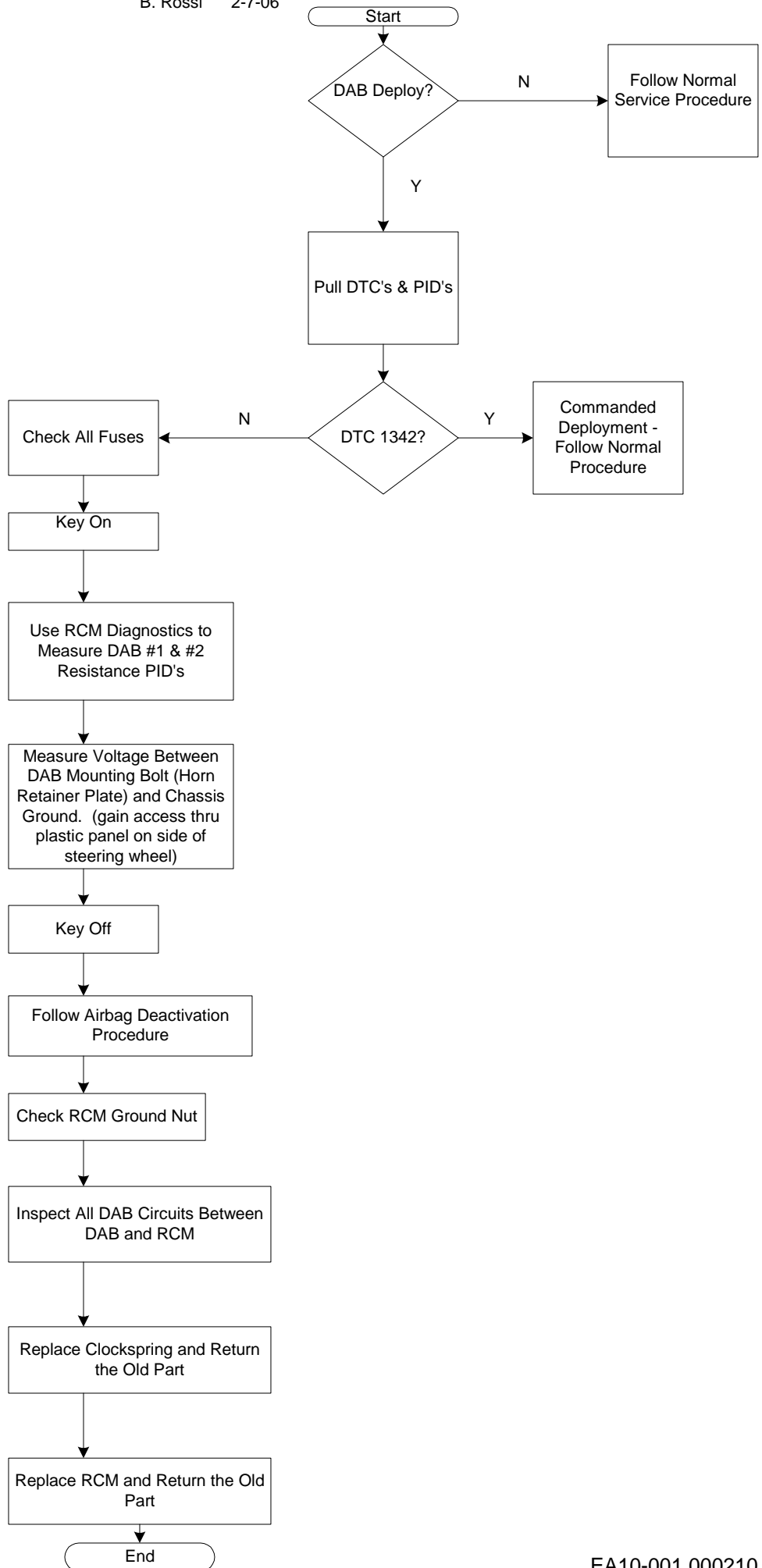


Visio-P221DABInsp.
pdf

Regards,

Bob Rossi

Ford Motor Company
Restraints Electronics
313-322-5995
brossi2@ford.com



From: Wrestler, Sandy (S.J.)
Sent: Tuesday, January 24, 2006 11:01 AM
To: 'steve.j.peterson@trw.com'; 'Steve Ahlquist'
Cc: Gregory, Zygmunt (Z.); Alexander, Vincent (V.J.); Clement, Charles (C.A.); Kim, Peter (P.K.); Wilson, John (J.)
Subject: 06 P221 DAB
Importance: High

Steve Peterson,

Thanks for the quick response last night.

After we spoke to you, Vincent Alexander, Charles Clement and I met with Peter Kim to bring him up to speed on the issue and the interim containment action.

Peter noted that he views this as a clear SDS violation and it's TRW's responsibility to correct it. There are several items we discussed with Peter as next steps:

- 1) Peter asked that we increase the tape locations on the Alert to all areas where there are sharp edges in proximity to the C/S wire. We identified 6 or 7 in total. Vincent has marked up a photo and I believe he has already sent this to you.
 - A) Please have your tech reps work with the plants to find out how much stock they have on and of the box tape 5L34-99297B12-AA (supplier code K055C, K-Automotive) and work out the plan to coordinate additional tape to address the additional taping locations identified on the photo (we may have to agree on priority locations and cover only some of them to start depending on stock on hand and additional material availability).
 - B) Additionally - we need you to work out the plan to move the Emergency Containment Alert - (mylar tape) out of the Ford Asy plants back to TRW Cookville.
- 2) Begin developing an 8D. I have opened G8D #58362 in the Ford System. I will add John Wilson and Zyg Gregory to have write access. A separate 8D is fine to start with but it will need to eventually make it into the Ford G8D system. We need to understand how the issue got through but the TRW and Ford systems and have a solid plan to prevent recurrence.
- 3) Permanent Corrective Action - Please develop your permanent corrective action proposals based upon the items we've already initiated discussion on as well as any additional ideas.
- 4) Please plan to review all items noted above via written workplans, timing plans and design change proposals with Peter Kim at a meeting to be set up and held later this week in preparation for subsequent review with Mike Whitens - Interior CFE.
- 5) Lastly, I need you to go back through all current TRW S/W and DAB designs that are provided to Ford on current and future models and identify what if any similar conditions exist and any necessary corrective action plans. (I'm told 07 P356 may have a similar condition.) Please bring the results of this investigation to the meeting later this week with Peter Kim as well.

Thanks

Sandra Jo Wrestler

Supervisor, Ford NAE Restraints
Steering Wheels, DAB and PAB
SUV/BOF and PTAC
PDC, 2F-K60, 313 805-3473

From: Beauchamp, Tina [TBeauchamp@lear.com]
Sent: Thursday, March 04, 2010 3:17 PM
To: Culkeen, Patrick (P.M.); Sutherland, Roy (R.W.)
Cc: Kreiger, Erik (E.)
Subject: CLOCKSPRING JUMPER
Hi,

We've contact Federal Mogul regarding the braided sleeve and they have asked the following if you can let me know. Thank you.

1. End User
2. Platform Code
3. Diameter of the sleeve
4. Cut length of the sleeve
5. Estimated annual volume

Tina
Sr. Account Manager
248-447-1964 phone
248-447-1920 fax

** LEGAL DISCLAIMER **

This E-mail message and any attachments may contain legally privileged, confidential or proprietary information. If you are not the intended recipient(s), or the employee or agent responsible for delivery of this message to the intended recipient(s), you are hereby notified that any dissemination, distribution or copying of this E-mail message is strictly prohibited. If you have received this message in error, please immediately notify the sender and delete this E-mail message from your computer.

From: Olson, Kathy (K.A.)
Sent: Wednesday, March 22, 2006 9:42 AM
To: 'Horejsi, Joe'
Cc: Klosek, Walter (W.)
Subject: C11879049 - Clockspring Change

Importance: High

Joe,

I've pulled C11879049 for the P221 07 J1 clockspring change. Please add the costs for this change and also write a containment plan. If you don't have access to the CP database, please provide me with the following dates and I'll write the CP. I also added the clockspring to the airbag Alert (A11875070). Please add the dates that the trail parts will be available and any other info that the plants need to know about these trial parts to this Alert.

CAD/customer drawings available:

DV test dates:

PV test dates:

Run at rate:

Plant trail dates:

PSW:

Thanks,
Kathy Olson
Switch Application Engineer
kolson5@ford.com
313-31-77868

From: Spoto, Thomas (T.A.)
Sent: Thursday, February 16, 2006 5:24 PM
To: Clark, Todd (T.N.); Tippy, David (D.J.); Alles, Sheran (S.A.); Pappas, Bill (B.)
Cc: Spoto, Thomas (T.A.)
Subject: Autoliv

Bill/Todd,

In our mtg with Autoliv yesterday they received a few assignments. Can you find out when they will be responding?

- 1) Can diagnostic algorithm be modified to make the leakage and resistive test more sensitive.
- 2) Inspect the returned RCMs to determine if the driver ckts have not been damaged. Most specifically, the Low Side Driver

From a discussion today, Please ask Autoliv what would be the scenarios that allows for a short to positive to be present? Or is it best to have a conference call tomorrow on this subject. Need answer by Monday morning.

Sheran, was there other information we needed from Autoliv?

Tom Spoto
P221/P397/P415 EE System Engineering Supervisor
Ph/Fax: 313-845-5322
Txt Pg: 313-851-3732

From: Olson, Kathy (K.A.)
Sent: Thursday, May 04, 2006 9:26 AM
To: Drugalis, Patti (P.A.)
Cc: Klosek, Walter (W.)
Subject: AE00-E-11879049-001

Follow Up Flag: Follow up
Flag Status: Completed

Patti,

I've pulled the above mentioned notice to pull this clockspring change in early for service. The change itself will start in production at 07 J1, however, I was told that once these parts are available (5/27/06) they need to be used for all P221 service replacements. This is the first notice of this type that I have ever done, so please let me know what needs to be added, removed, etc. for clarity.

Thanks,
Kathy Olson
Switch Application Engineer
kolson5@ford.com
313-805-6870

From: Klosek, Walter (W.)
Sent: Thursday, May 04, 2006 10:08 AM
To: Oswald, Greg (G.G.)
Cc: Olson, Kathy (K.A.)
Subject: Service Release for P221 Clocksprings

This morning Kathy Olson pulled a notice AE00-e-11879049-001 to release the 2007 Clocksprings for service of all P221 vehicles past and present from 2004MY onward. She also spoke with the FPSD rep and the release analyst to warn them this was coming. As a result FCSD should be able to start ordering the parts effective 5-27-06 which is the PSW date scheduled for the parts.

EA10-001

FORD

05/14/2010

Appendix K

Clockspring Part Change Log for 2004-2007 F-150

	A	B	C	D	E	F		G	H	I	
Part	Incorporated Into Vehicle Production	Description of Change	Reasons for Change	Original	Modified	Disposition of Original Parts		New Component Availability Date	New Component Interchangeable With Old (Y/N - Intended versus Possible)	Part E - Squib Orientation	
				Ford Engineering Part Number	Ford Engineering Part Number	Withdrawn from Ford Production Inventory (Scrap/ Consume/ Rework)	Effective Date			Left	Right
Clockspring	2004MY Running Change	Add grease to hub of clockspring.	To help reduce rotational noise.	2L2T-14A664-AC	4L2T-14A664-AA	Exhaust	AE00-E-11533509-001 8/19/2003	7/14/2003	Y	9 o'clock	6 o'clock
	2005MY Running Change	Changed airbag circuits from copper wire with soldered terminal crimps to tinned wire which does not require soldered terminal crimps.	Quality improvement and cost reduction.	4L2T-14A664-AA	5L2T-14A664-AA	Exhaust	AE00-E-11669480-003 3/24/2005	11/20/2004	Y	9 o'clock	6 o'clock
	2007MY Job #1	Change wire harness sleeve from PVC Vinyl to two individual Bentley Harris weave sleeves along with 4 spot tapes.	Sleeve material change to improve wire circuit protection.	5L2T-14A664-AA	7L3T-14A664-AA	None (1)	AE00-E-11879049-000 4/13/2006	6/26/2006	Y	6 o'clock	6 o'clock

(1) Typically Job #1 changes are scrap for stock disposition and interchangeability is no.

Clockspring Part Change Log for 2006-2007 Mark LT

	A	B	C	D	E	F		G	H	I	
Part	Incorporated Into Vehicle Production	Description of Change	Reasons for Change	Original	Modified	Disposition of Original Parts		New Component Availability Date	New Component Interchangeable With Old (Y/N - Intended versus Possible)	Part E - Squib Orientation	
				Ford Engineering Part Number	Ford Engineering Part Number	Withdrawn from Ford Production Inventory (Scrap/ Consume/ Rework)	Effective Date			Left	Right
Clockspring	2006 MY	Changed airbag circuits from copper wire with soldered terminal crimps to tinned wire which does not require soldered terminal crimps.	Quality improvement and cost reduction.	4L2T-14A664-AA	5L2T-14A664-AA	Exhaust	AE00-E-11669480-003 3/24/2005	11/20/2004	Y	9 o'clock	6 o'clock
	2007 MY	Change from standard PVC tubing to Bentley Harris sleeve to protect AB wires from horn bracket.	Robustness Improvement	5L2T-14A664-AA	7L3T-14A664-AA	None (1)	AE00-E-11879049-000 4/13/2006	6/26/2006	Y	6 o'clock	6 o'clock

(1) Typically Job #1 changes for production assembly are scrap for stock disposition and interchangeability is no.

Clockspring Part Change Log for 2002-2005 Explorer

Part	A	B	C	D	E	F		G	H	I	
	Incorporated Into Vehicle Production	Description of Change	Reasons for Change	Original	Modified	Disposition of Original Parts		New Component Availability Date	New Component Interchangeable With Old (Y/N - Intended versus Possible)	Part E - Squib Orientation	
				Ford Engineering Part Number	Ford Engineering Part Number	Withdrawn from Ford Production Inventory (Scrap/ Consume/ Rework)	Effective Date			Left	Right
Clockspring	2002 MY (pre job #1)	Increased robustness of shipping lock		2L1T-14A664-AB	2L1T-14A664-AC	Scrap	AE00-E-11156957-000 11/1/2000			9 o'clock	6 o'clock
	2002 MY (post job #1)	Increased robustness of shipping lock		2L2T-14A664-AB	2L2T-14A664-AC	Exhaust	AE00-E-11273452-000 10/17/2001			9 o'clock	6 o'clock
	2002 MY (2002 .5)	Initial release of new design level			2C5T-14A664-AA	None	AE00-E-11138481-000 1/24/2001			9 o'clock	6 o'clock
	2002 MY (2002 .5) Job #2	Modify clockspring to reduce height of guide ribs and enhance retention force of shipping lock		2C5T-14A664-AA	2C5T-14A664-AB	Exhaust	AE00-E-11224329-000 6/28/2001			9 o'clock	6 o'clock
	2002 MY (2002.5) Job #2	Increased robustness of shipping lock		2C5T-14A664-AB	2C5T-14A664-AC	Exhaust	AE00-E-11273452-000 10/17/2001			9 o'clock	6 o'clock
	2002 MY (2002.5) Job #2	Revise flex tape in IVD Sensor		2C5T-14A664-AC	2C5T-14A664-AD	Exhaust	AE00-E-11284119-000 10/24/2001			9 o'clock	6 o'clock
	2003 MY (Job #1)	Increased robustness of shipping lock		2L2T-14A664-AB	2L2T-14A664-AC	Scrap	AE00-E-11273452-000 10/17/2001			9 o'clock	6 o'clock

Clockspring Part Change Log for 2002-2005 Explorer

Part	A	B	C	D	E	F		G	H	I	
	Incorporated Into Vehicle Production	Description of Change	Reasons for Change	Original	Modified	Disposition of Original Parts		New Component Availability Date	New Component Interchangeable With Old (Y/N - Intended versus Possible)	Part E - Squib Orientation	
				Ford Engineering Part Number	Ford Engineering Part Number	Withdrawn from Ford Production Inventory (Scrap/ Consume/ Rework)	Effective Date			Left	Right
	2003 MY (Job #1)	Add lubrication to the code wheel and remove material from the Double "D" on the drive cam	To reduce squeaky IVD	2C5T-14A664-AD	2C5T-14A664-AE	Scrap	AE00-E-11300645-000 12/11/2001			9 o'clock	6 o'clock
	2004 MY (Post job #1)	Add Grease to clockspring	To reduce rotational noise	2L2T-14A664-AC	4L2T-14A664-AA	Exhaust	AE00-E-11533509-001			9 o'clock	6 o'clock
	2004 MY (Post job #1)	Add Grease to clockspring	To reduce rotational noise	2C5T-14A664-AE	4C5T-14A664-AA	Exhaust	AE00-E-11533509-000			9 o'clock	6 o'clock
	2005 MY (Post job #2)	Replaced copper wire that had soldered crimps with tinned wire which does not require soldered crimps on the jumper harness.	Job #2 Release	4L2T-14A664-AA	5L2T-14A664-AA	Exhaust	AE00-E-11669480-000			9 o'clock	6 o'clock
	2005 MY (Post job #2)	Replaced copper wire that had soldered crimps with tinned wire which does not require soldered crimps on the jumper harness.	Job #2 Release	4C5T-14A664-AA	5C5T-14A664-AA	Exhaust	AE00-E-11669480-000			9 o'clock	6 o'clock

Clockspring Part Change Log for 2002-2005 Mountaineer

	A	B	C	D	E	F		G	H	I	
Part	Incorporated Into Vehicle Production	Description of Change	Reasons for Change	Original	Modified	Disposition of Original Parts		New Component Availability Date	New Component Interchangeable With Old (Y/N - Intended versus Possible)	Part E - Squib Orientation	
				Ford Engineering Part Number	Ford Engineering Part Number	Withdrawn from Ford Production Inventory (Scrap/ Consume/ Rework)	Effective Date			Left	Right
Clockspring	2002 MY (pre job #1)	Modify clockspring to reduce height of guide ribs and enhance retention force of shipping lock		2L1T-14A664-AA	2L1T-14A664-AB	None	AE00-E-11123903-000 9/12/2000			9 o'clock	6 o'clock
	2002 MY (pre job #1)	Increased robustness of shipping lock		2L1T-14A664-AB	2L1T-14A664-AC	Scrap	AE00-E-11156957-000 11/1/2000			9 o'clock	6 o'clock
	2002 MY (post job #1)	Increased robustness of shipping lock		2L2T-14A664-AB	2L2T-14A664-AC	Exhaust	AE00-E-11273452-000 10/17/2001			9 o'clock	6 o'clock
	2002 MY (2002 .5)	Initial release of new design level			2C5T-14A664-AA	None	AE00-E-11138481-000 1/24/2001			9 o'clock	6 o'clock
	2002 MY (2002 .5) Job #2	Modify clockspring to reduce height of guide ribs and enhance retention force of shipping lock		2C5T-14A664-AA	2C5T-14A664-AB	Exhaust	AE00-E-11224329-000 6/28/2001			9 o'clock	6 o'clock
	2002 MY (2002.5) Job #2	Increased robustness of shipping lock		2C5T-14A664-AB	2C5T-14A664-AC	Exhaust	AE00-E-11273452-000 10/17/2001			9 o'clock	6 o'clock
	2002 MY (2002.5) Job #2	Revise flex tape in IVD Sensor		2C5T-14A664-AC	2C5T-14A664-AD	Exhaust	AE00-E-11284119-000 10/24/2001			9 o'clock	6 o'clock

Clockspring Part Change Log for 2002-2005 Mountaineer

	A	B	C	D	E	F		G	H	I	
Part	Incorporated Into Vehicle Production	Description of Change	Reasons for Change	Original	Modified	Disposition of Original Parts		New Component Availability Date	New Component Interchangeable With Old (Y/N - Intended versus Possible)	Part E - Squib Orientation	
				Ford Engineering Part Number	Ford Engineering Part Number	Withdrawn from Ford Production Inventory (Scrap/ Consume/ Rework)	Effective Date			Left	Right
	2003 MY (Job #1)	Increased robustness of shipping lock		2L2T-14A664-AB	2L2T-14A664-AC	Scrap	AE00-E-11273452-000 10/17/2001			9 o'clock	6 o'clock
	2003 MY (Job #1)	Add lubrication to the code wheel and remove material from the Double "D" on the drive cam	To reduce squeaky IVD	2C5T-14A664-AD	2C5T-14A664-AE	Scrap	AE00-E-11300645-000 12/11/2001			9 o'clock	6 o'clock
	2004 MY (Post job #1)	Add Grease to clockspring	To reduce rotational noise	2L2T-14A664-AC	4L2T-14A664-AA	Exhaust	AE00-E-11533509-001			9 o'clock	6 o'clock
	2004 MY (Post job #1)	Add Grease to clockspring	To reduce rotational noise	2C5T-14A664-AE	4C5T-14A664-AA	Exhaust	AE00-E-11533509-000			9 o'clock	6 o'clock
	2005 MY (Post job #2)	Replaced copper wire that had soldered crimps with tinned wire which does not require soldered crimps on the jumper harness.	Job #2 Release	4L2T-14A664-AA	5L2T-14A664-AA	Exhaust	AE00-E-11669480-000			9 o'clock	6 o'clock

Clockspring Part Change Log for 2003-2004 Aviator

	A	B	C	D	E	F		G	H	I	
Part	Incorporated Into Vehicle Production (1) (4)	Description of Change	Reasons for Change	Original	Modified	Disposition of Original Parts		New Component Availability Date	New Component Interchangeable With Old (Y/N - Intended versus Possible)	Part E - Squib Orientation	
				Ford Engineering Part Number	Ford Engineering Part Number	Withdrawn from Ford Production Inventory (Scrap/ Consume/ Rework)	Effective Date			Left	Right
Clockspring	2003 MY (Job #1)	Add lubrication to the code wheel and remove material from the Double "D" on the drive cam	To reduce squeaky IVD	2C5T-14A664-AD	2C5T-14A664-AE	Scrap	AE00-E-11300645-000 12/11/2001	1/20/2002		9 o'clock	6 o'clock
	2004 MY (Post job #1) (2)	Add Grease to clockspring	To reduce rotational noise	2L2T-14A664-AC	4L2T-14A664-AA	Exhaust	AE00-E-11533509-001	+15 weeks		9 o'clock	6 o'clock
	2004 MY (Post job #1) (2)	Add Grease to clockspring	To reduce rotational noise	2C5T-14A664-AE	4C5T-14A664-AA	Exhaust	AE00-E-11533509-000	+15 weeks		9 o'clock	6 o'clock

(3) Aviator was part of vehicle line-up until job #1 2006

Clockspring Part Change Log for 2004-2006 Navigator

	A	B	C	D	E	F		G	H	I	
Part	Incorporated Into Vehicle Production (1)	Description of Change	Reasons for Change	Original	Modified	Disposition of Original Parts		New Component Availability Date	New Component Interchangeable With Old (Y/N - Intended versus Possible)	Part E - Squib Orientation	
				Ford Engineering Part Number	Ford Engineering Part Number	Withdrawn from Ford Production Inventory (Scrap/ Consume/ Rework)	Effective Date			Left	Right
Clockspring	2004 MY (Job #1) 9/12/2003 (2)	C11533509/AE00-E-11533509-000: Add grease to clockspring	Reduce rotational noise	2L1T-14A664-AE	4L1T-14A663-AA	Exhaust	PJ1 2004	+15 weeks		9 o'clock	6 o'clock
	2005 MY (Job #2) Through 2006 MY 2005.5	C11669480/AE00-E-11669480-002: Replace copper wire that had soldered crimps with tinned wire which does not require soldered crimps on the jumper harness. *05 MY Job #2 Release*	Quaity improvement	4L1T-14A664-AA	5L1T-14A664-AA	Exhaust	PJ1 2005.5	2/21/2005		9 o'clock	6 o'clock

1) Release date. Incorporation typically 3 weeks post for exhaust changes. Job #1 are scrap and new part mandatory for next build requirement.
2) Concern states Post job #1 and incorporation 15 weeks after concern approval.

EA10-001

FORD

05/14/2010

Appendix L

EA10-001

FORD

05/14/2010

Appendix L

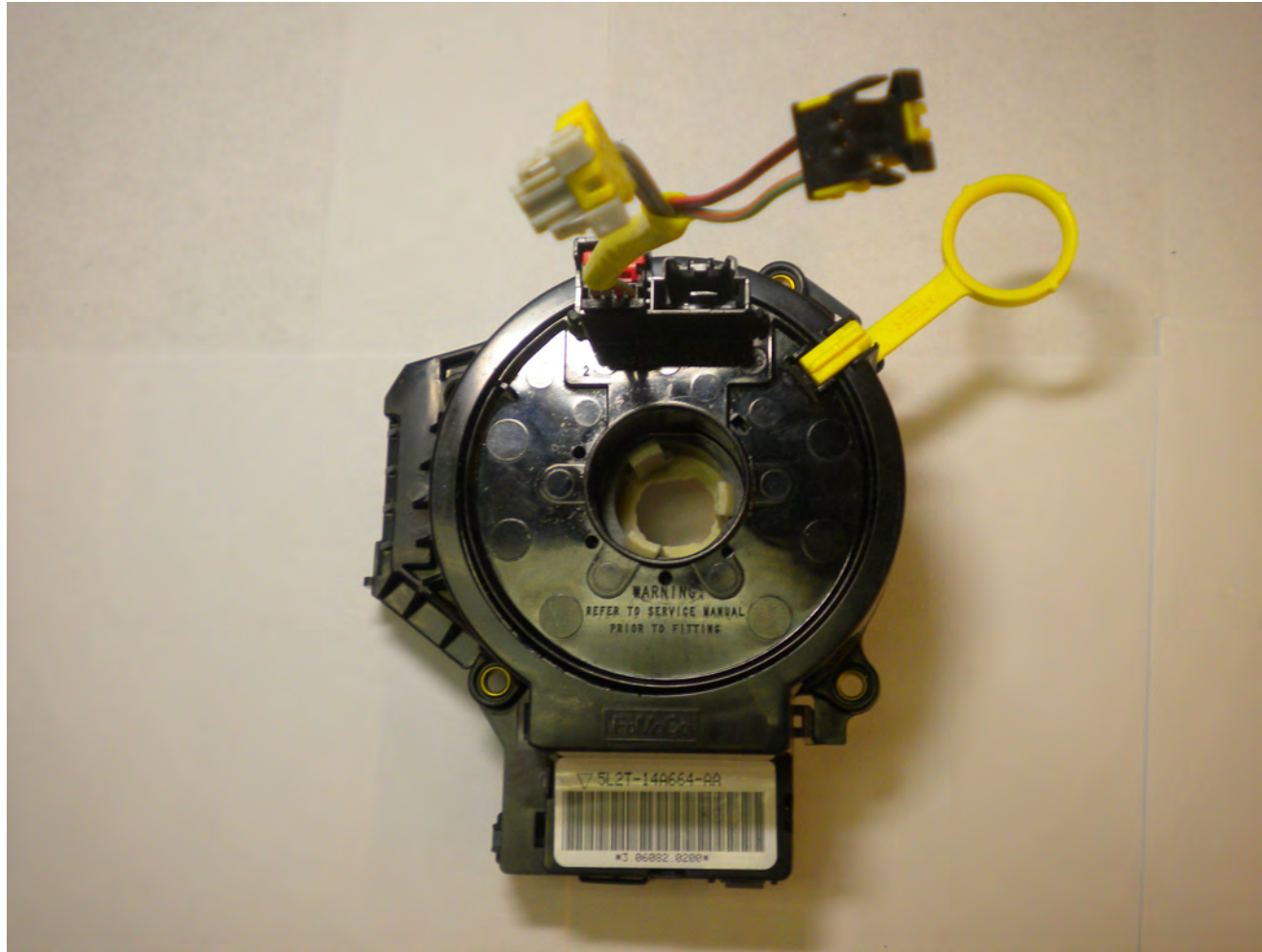
Aviator and Navigator Wiring

U231/U228 (Aviator/Navigator) SW/DAB/Clock Spring Views



Front view of U231/U228 (Aviator/Navigator) Steering Wheel
(back cover removed for visibility)

U231/U228 (Aviator/Navigator) SW/DAB/Clock Spring Views



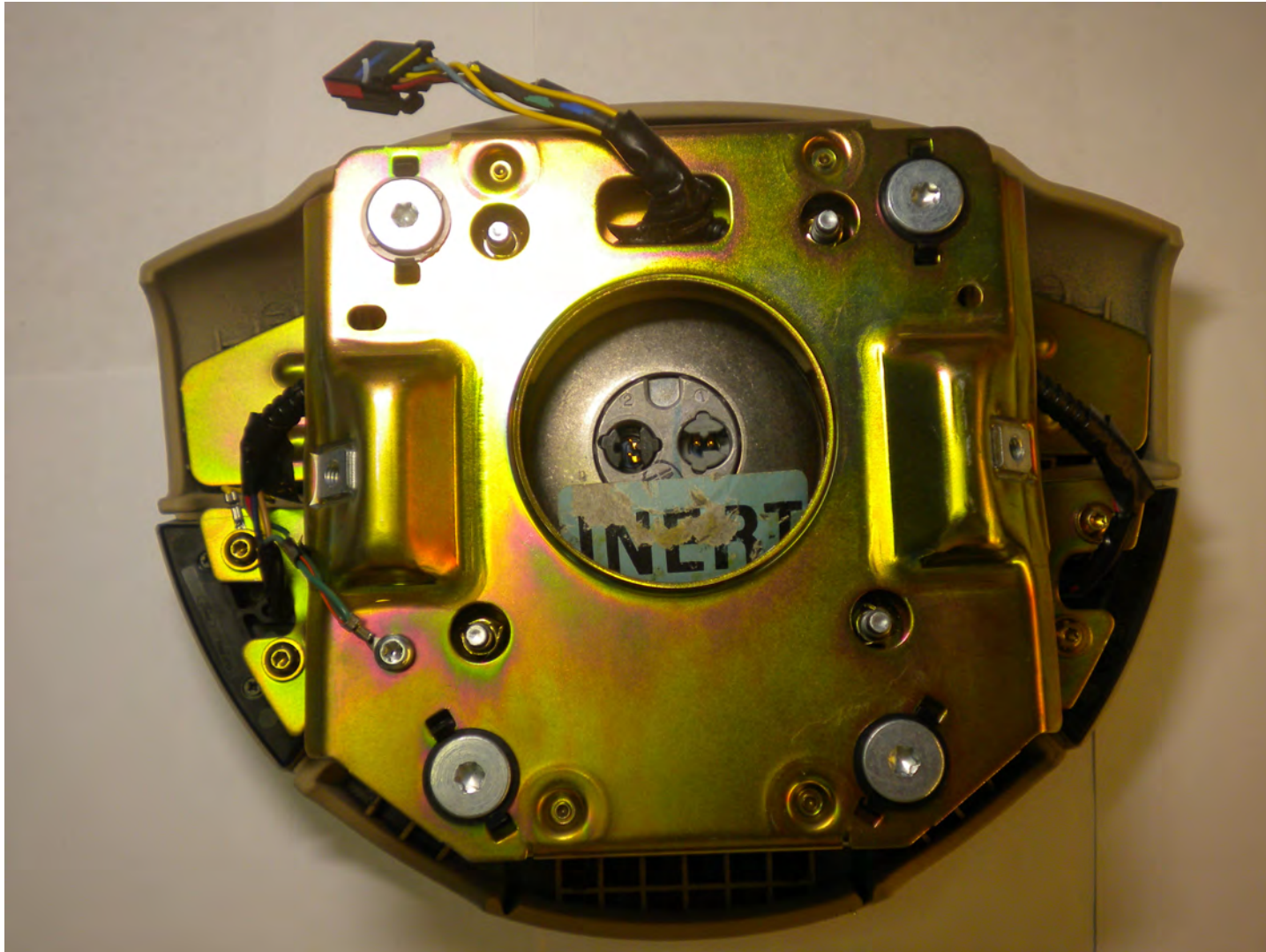
Front view of U231/U228 (Aviator/Navigator) Clock Spring

U231/U228 (Aviator/Navigator) SW/DAB/Clock Spring Views



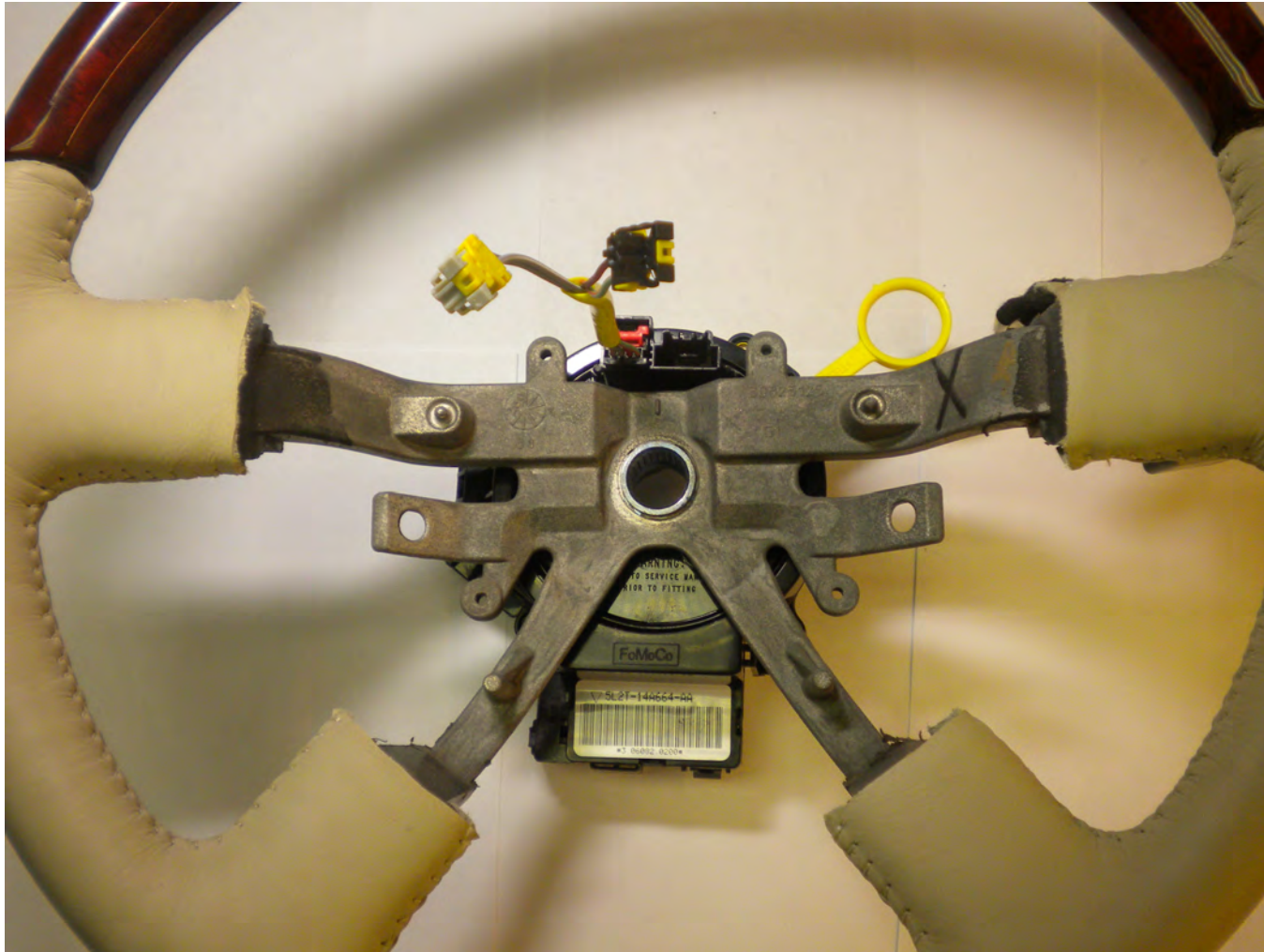
Front view of U231/U228 (Aviator/Navigator) Driver Airbag

U231/U228 (Aviator/Navigator) SW/DAB/Clock Spring Views



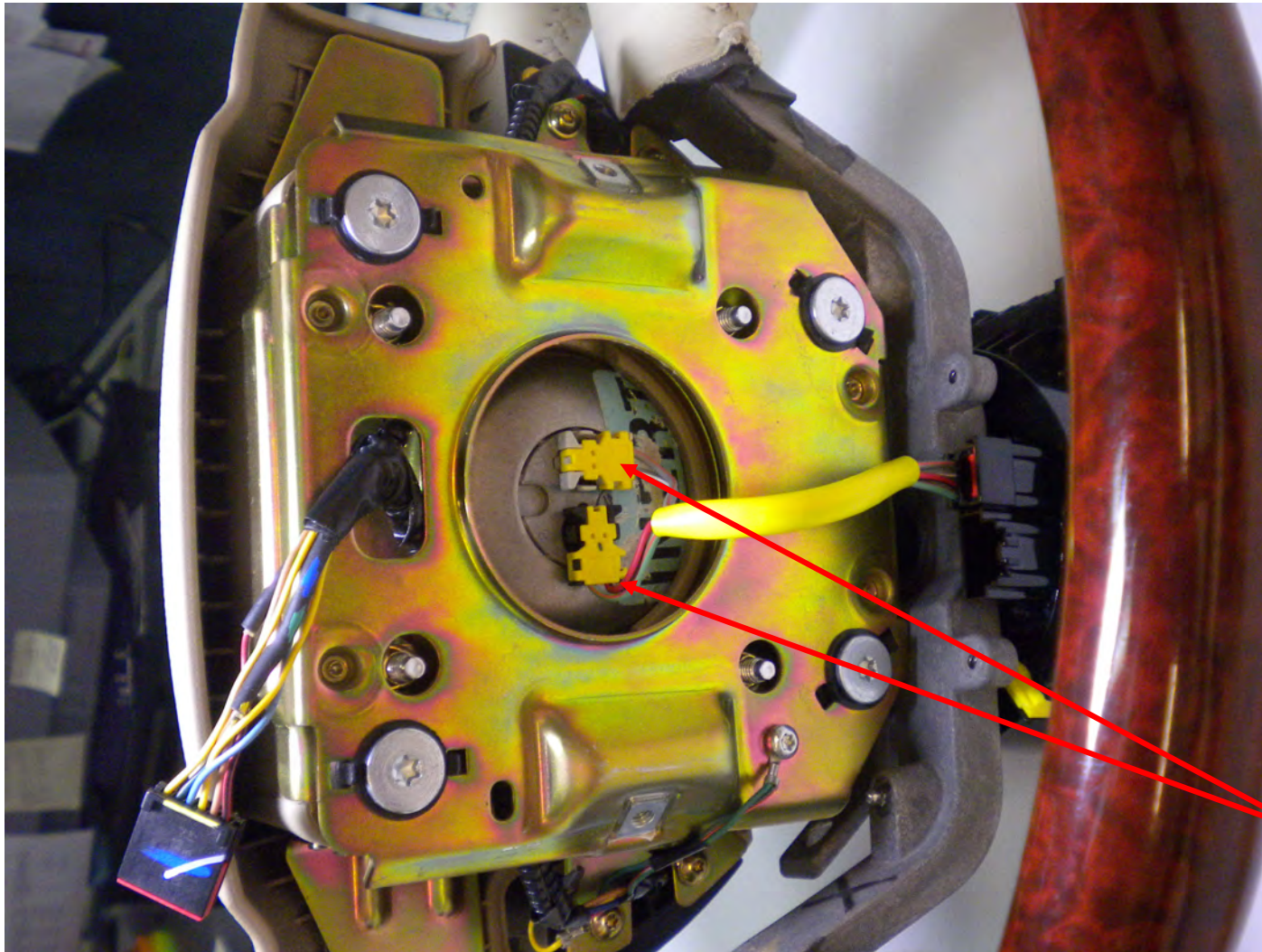
Rear view of U231/U228 (Aviator/Navigator) Driver Airbag

U231/U228 (Aviator/Navigator) SW/DAB/Clock Spring Views



Front view of U231/U228 (Aviator/Navigator) Str Whl & Clock spring

U231/U228 (Aviator/Navigator) SW/DAB/Clock Spring Views



Initial DAB level having squib connectors orientated 90 degrees apart (squib connector orientation changed to be inline/parallel)

Angled view of U231/U228 (Aviator/Navigator) DAB with connectors from Clock spring engaged

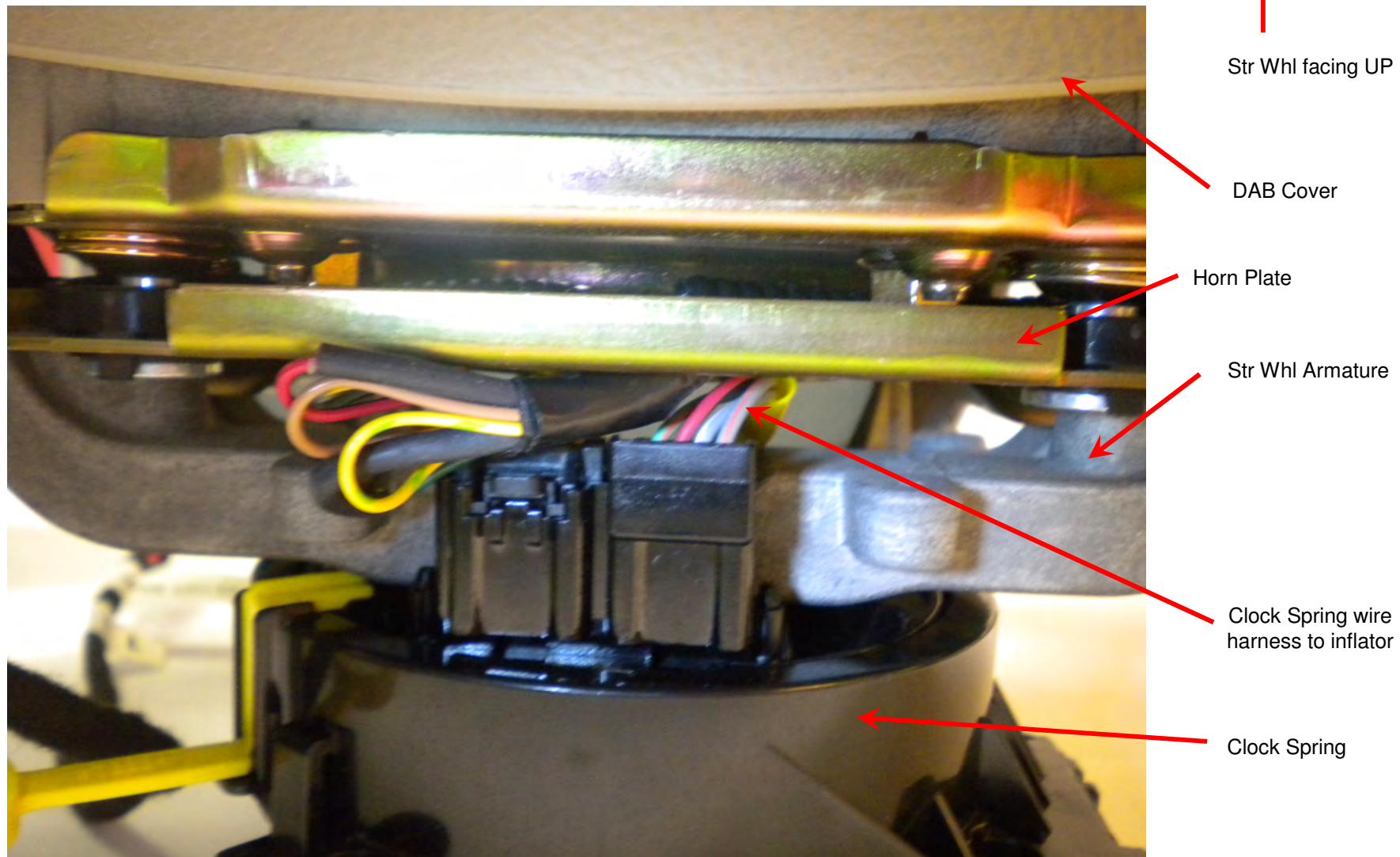
** DAB orientation is for picture clarity and is not installed in Str Whl)

U231/U228 (Aviator/Navigator) SW/DAB/Clock Spring Views



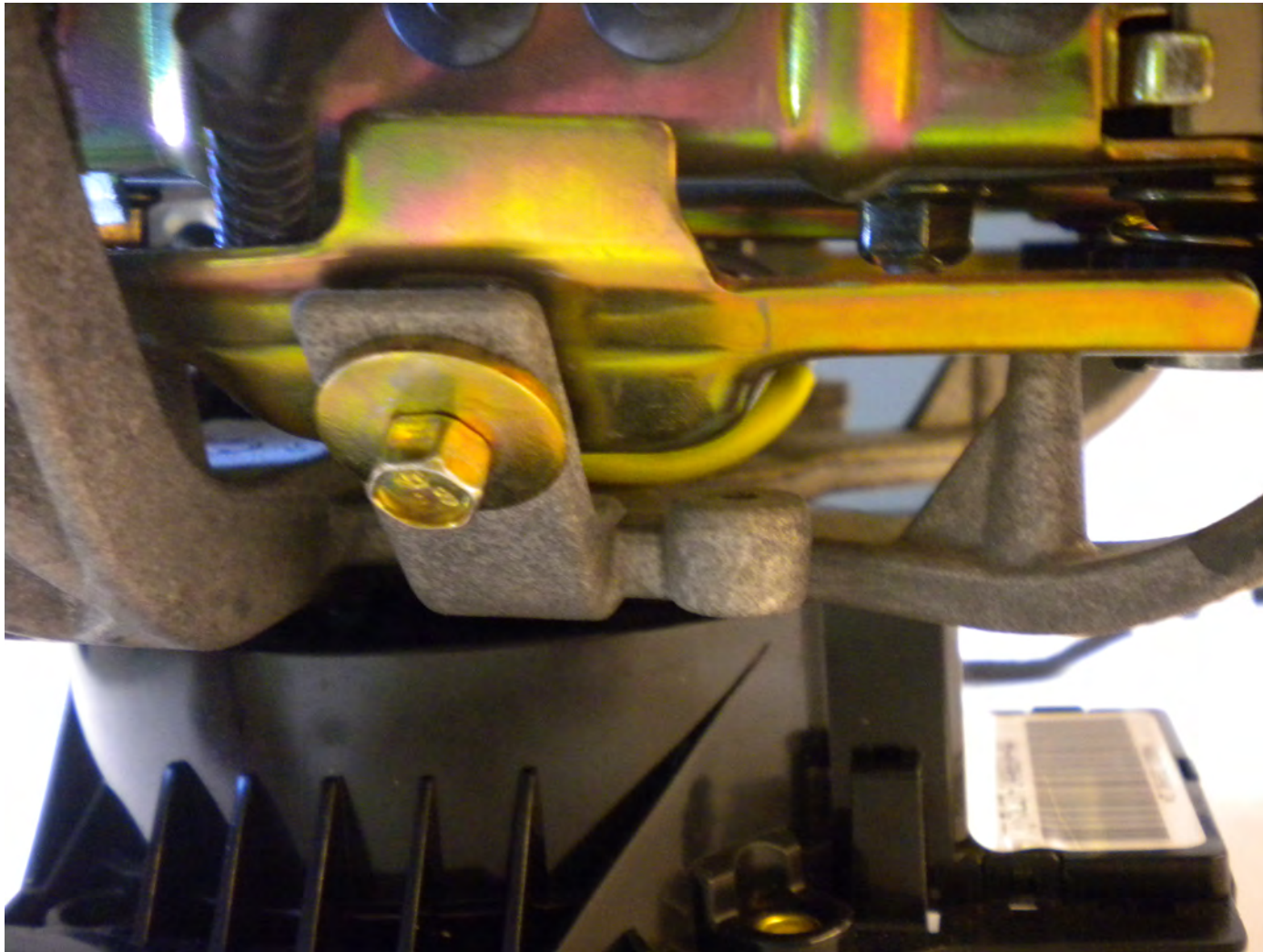
Front view of U231/U228 (Aviator/Navigator) DAB installed into Str Whl

U231/U228 (Aviator/Navigator) SW/DAB/Clock Spring Views



Top side view of clock spring, Str Whl, DAB

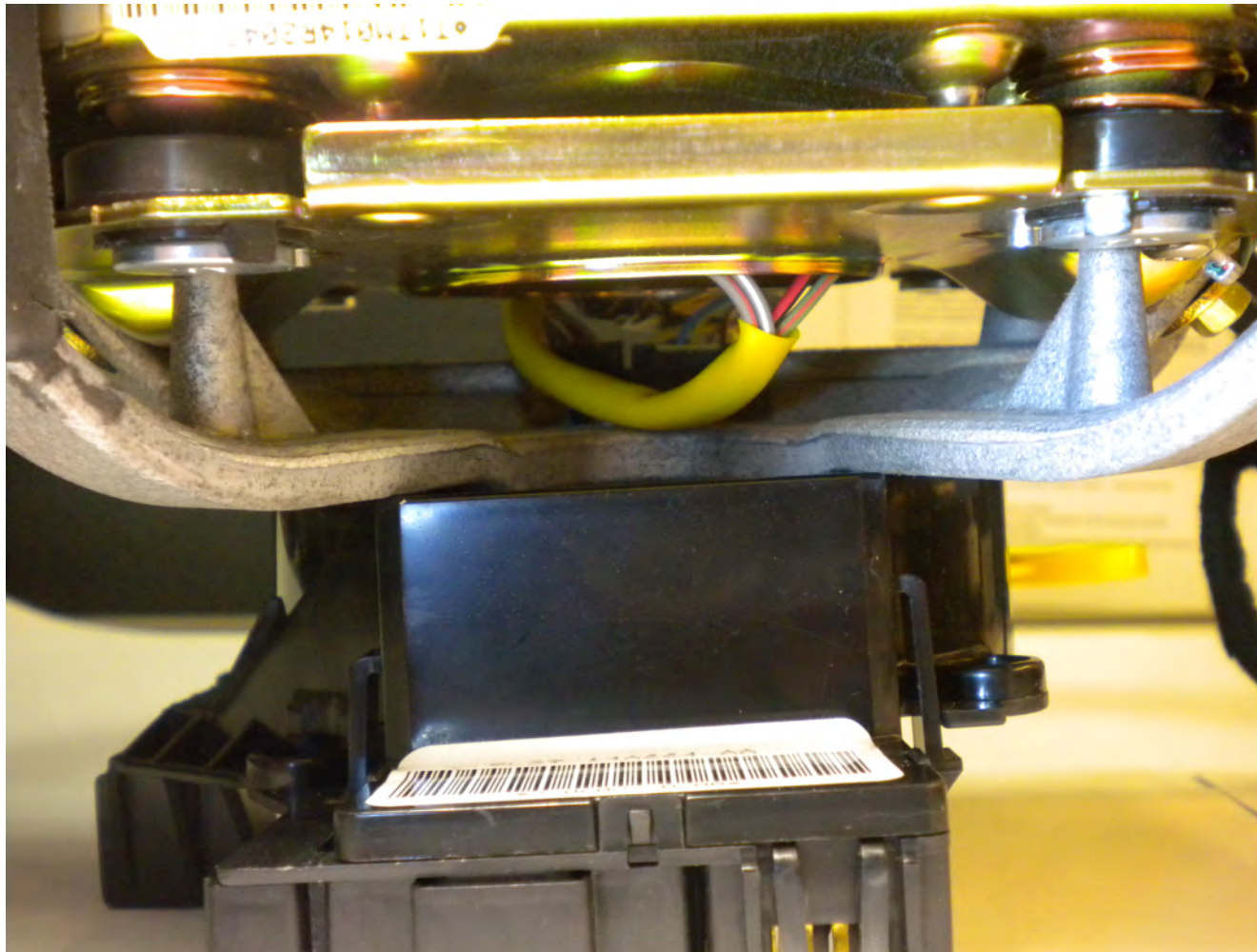
U231/U228 (Aviator/Navigator) SW/DAB/Clock Spring Views



Str Whl facing UP

Left side view of clock spring, Str Whl, DAB

U231/U228 (Aviator/Navigator) SW/DAB/Clock Spring Views



↑
Str Whl facing UP

Bottom side view of clock spring, Str Whl, DAB

U231/U228 (Aviator/Navigator) SW/DAB/Clock Spring Views

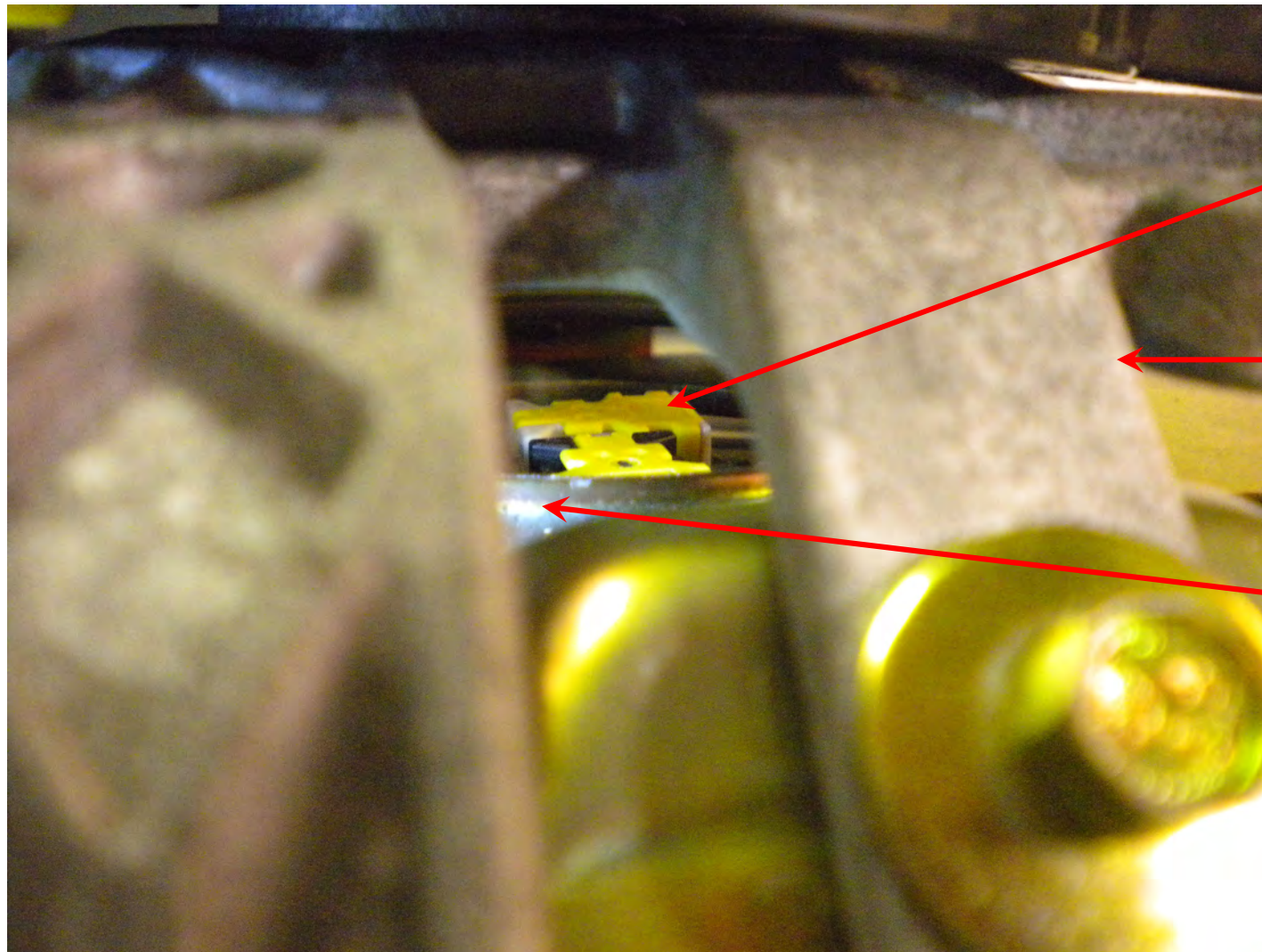


Str Whl facing UP



Right side view of clock spring, Str Whl, DAB

U231/U228 (Aviator/Navigator) SW/DAB/Clock Spring Views



Str Whl facing Down

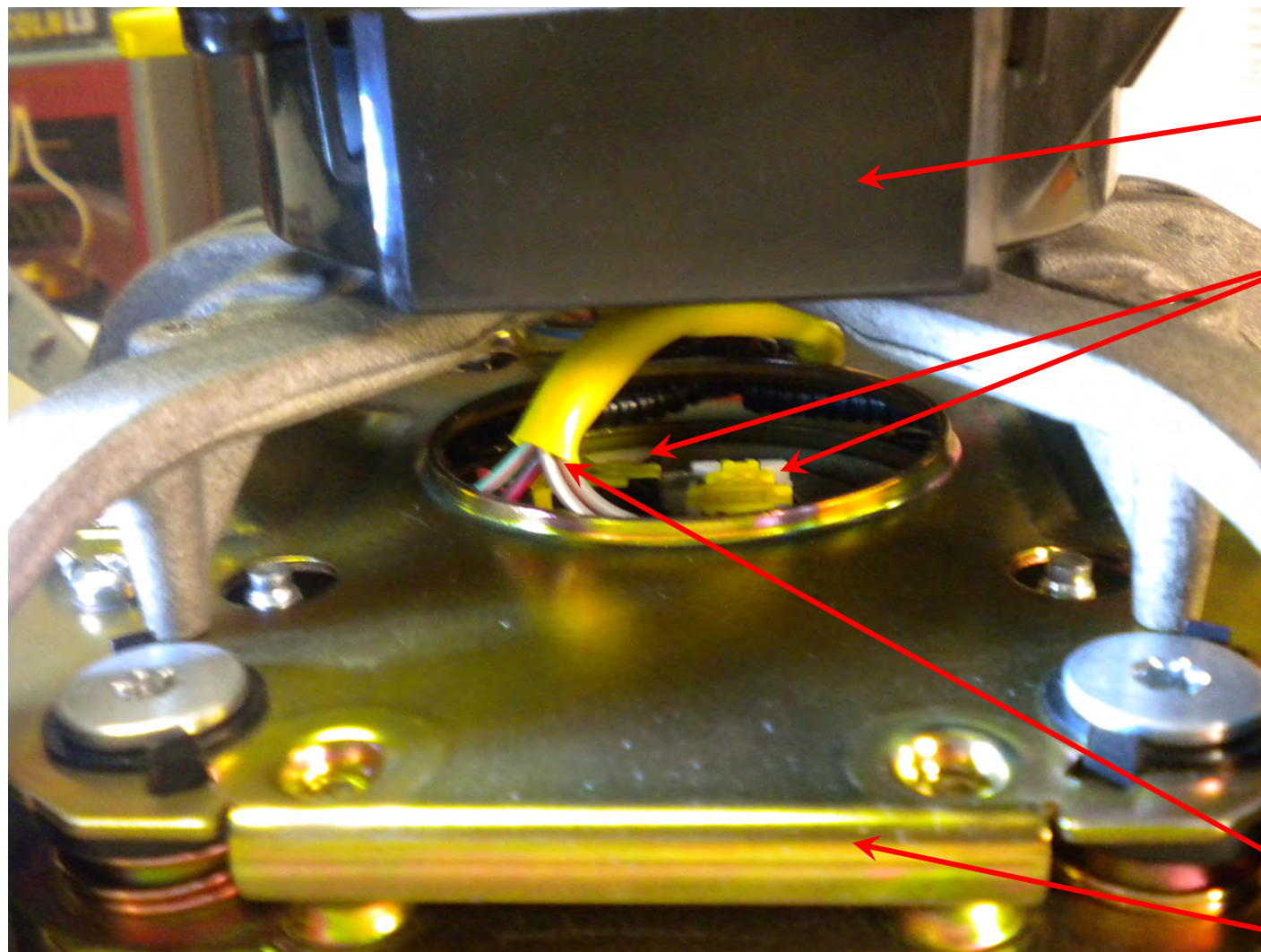
Squib
Connectors

Str Whl Armature

Horn Plate of DAB

Right side view of clock spring, Str Whl, DAB (overall assembly turned over)

U231/U228 (Aviator/Navigator) SW/DAB/Clock Spring Views



↓
Str Whl facing Down

← Clock spring

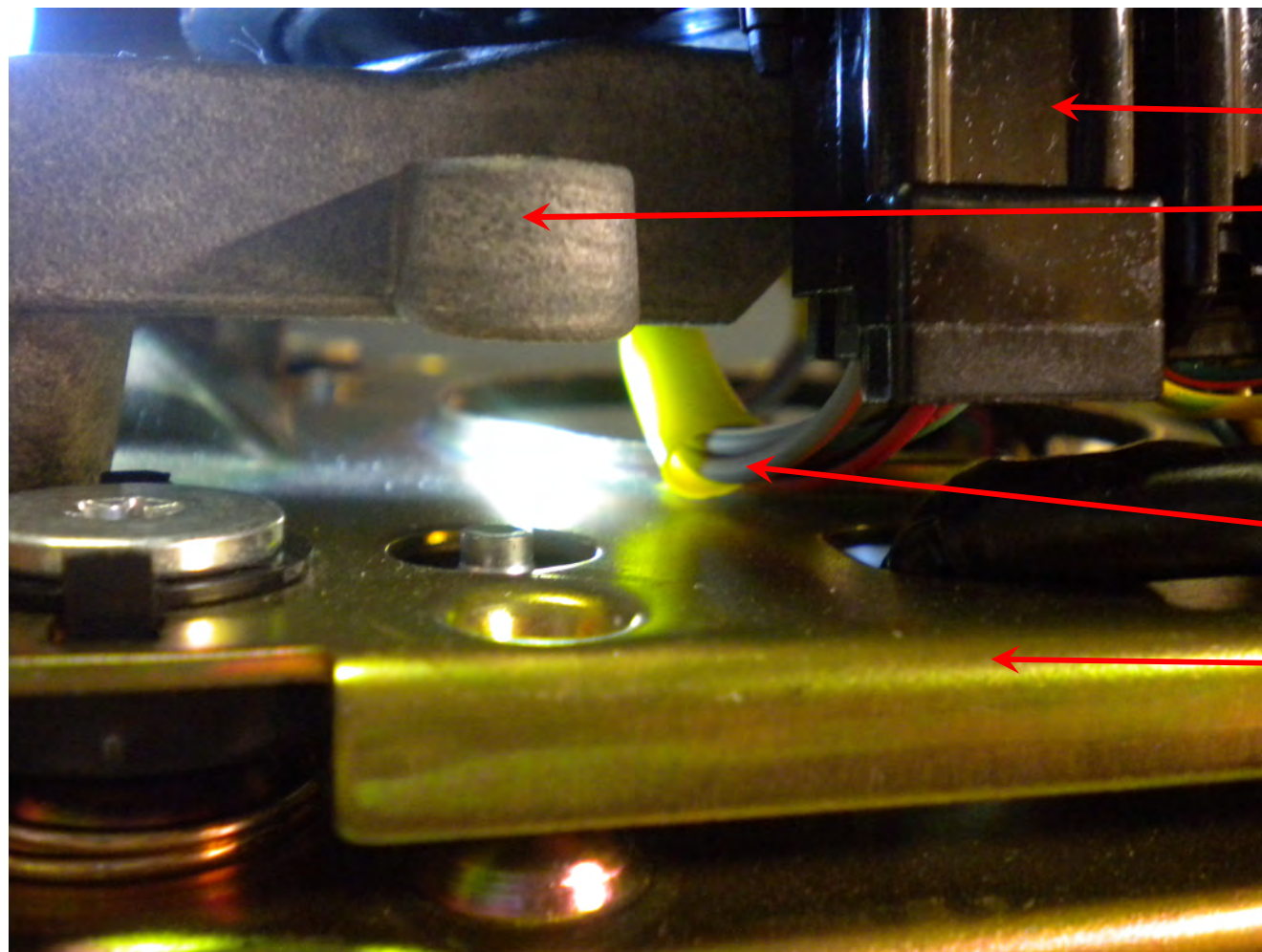
← Connectors from Clock spring

← Wire harness from clock spring

← Horn Plate of DAB

bottom side view of clock spring, Str Whl, DAB (overall assembly turned over)

U231/U228 (Aviator/Navigator) SW/DAB/Clock Spring Views



↓
Str Whl facing Down

← Clock spring

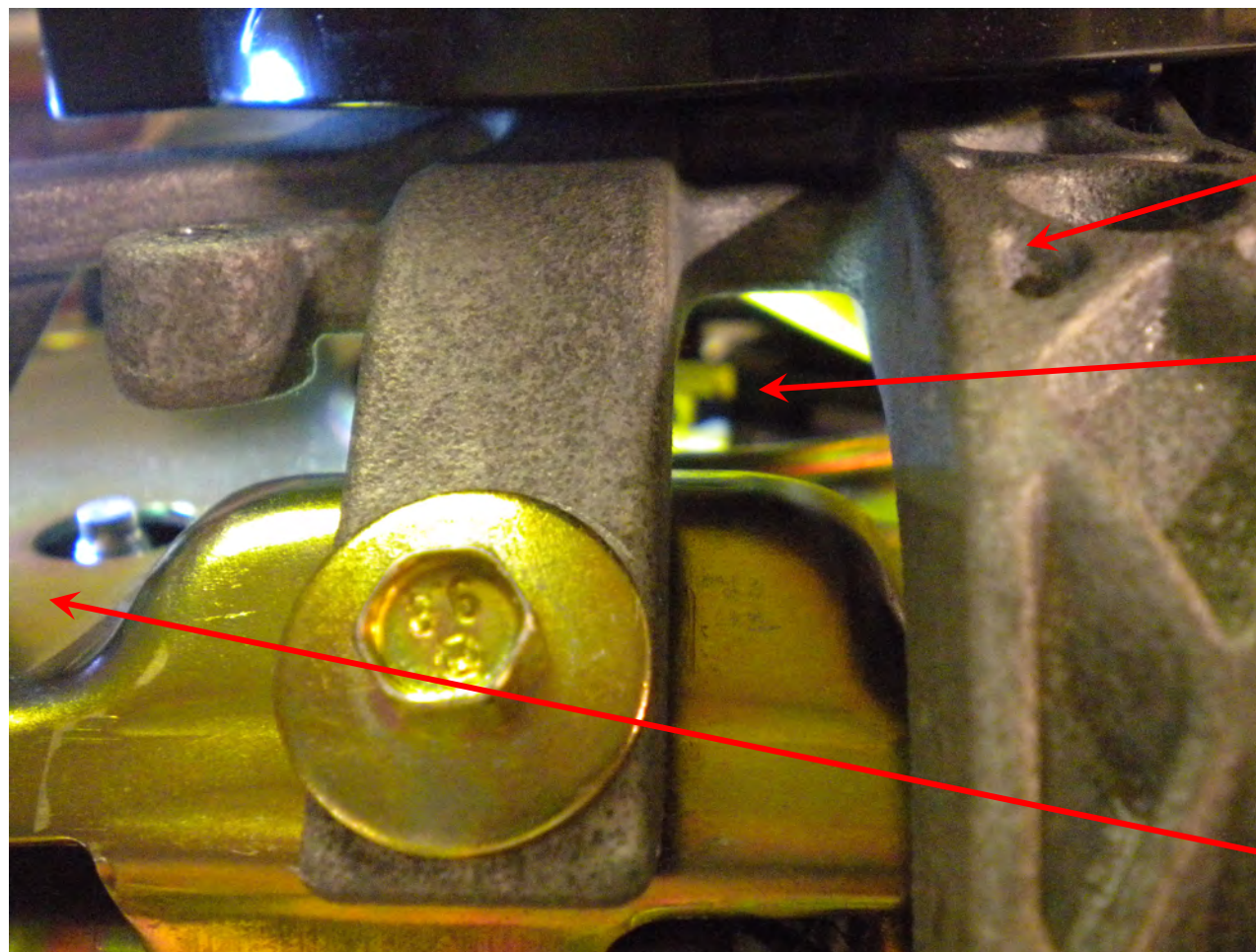
← Str Whl Armature

← Wire harness from
clock spring

← Horn Plate

Top side view of clock spring, Str Whl, DAB (overall assembly turned over)

U231/U228 (Aviator/Navigator) SW/DAB/Clock Spring Views



Str Whl facing Down

Str Whl Armature

Squib connectors

Horn Plate

Left side view of clock spring, Str Whl, DAB (overall assembly turned over)

EA10-001

FORD

05/14/2010

Appendix L

Explorer and Mountaineer
Wiring

U152 (Explorer) SW/DAB/Clock Spring Views



Front view of U152 (Explorer) Steering Wheel
(back cover & switches removed for visibility)

U152 (Explorer) SW/DAB/Clock Spring Views



Front view of U152 (Explorer) Clock Spring

U152 (Explorer) SW/DAB/Clock Spring Views



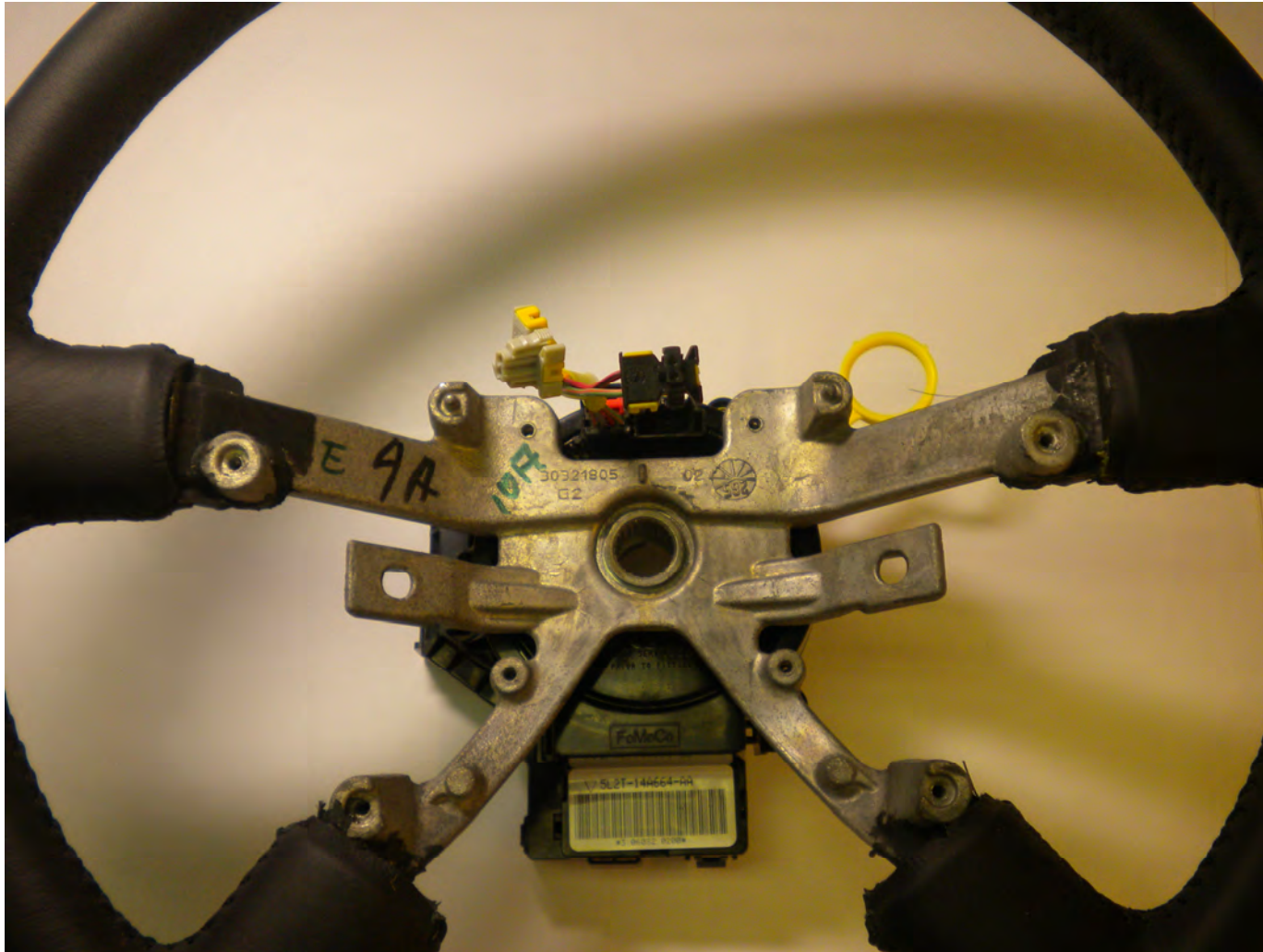
Front view of U152 (Explorer) Driver Airbag

U152 (Explorer) SW/DAB/Clock Spring Views



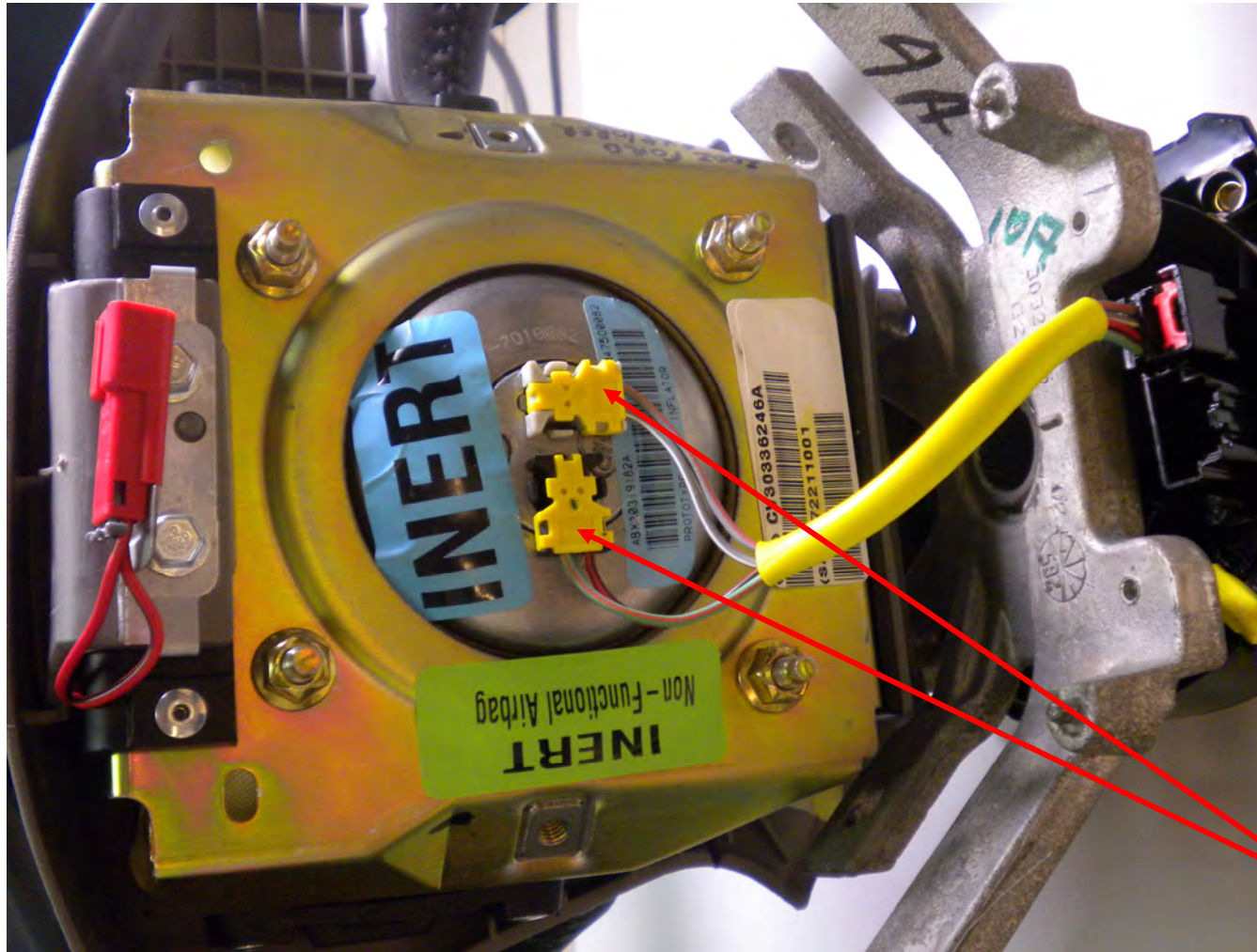
Rear view of U152 (Explorer) Driver Airbag

U152 (Explorer) SW/DAB/Clock Spring Views



Front view of U152 (Explorer) Str Whl & Clock spring

U152 (Explorer) SW/DAB/Clock Spring Views



Initial DAB level having squib connectors orientated 90 degrees apart (squib connector orientation changed to be inline/parallel)

Angled view of U152 (Explorer) DAB with connectors from Clock spring engaged

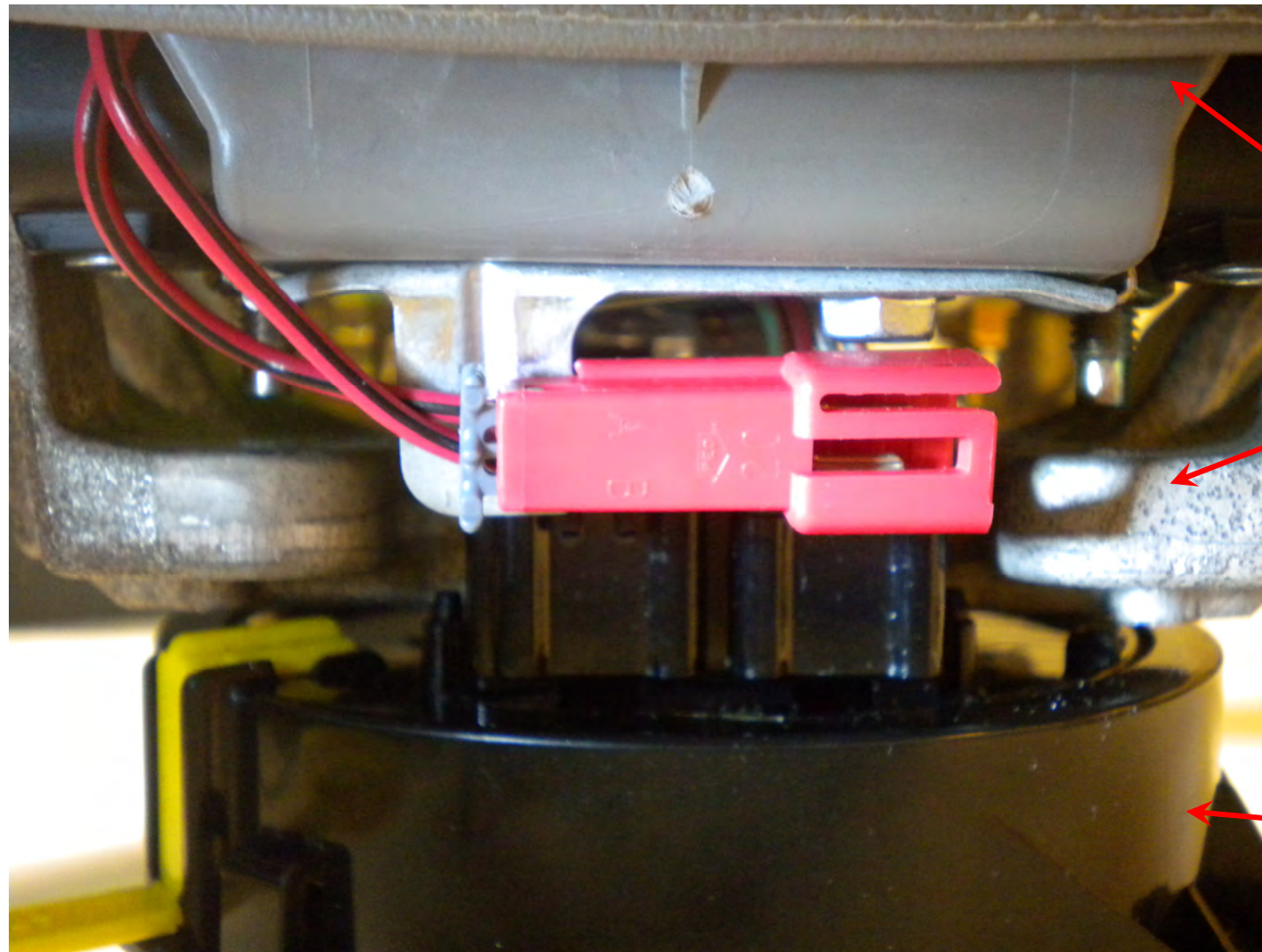
** DAB orientation is for picture clarity and is not installed in Str Whl)

U152 (Explorer) SW/DAB/Clock Spring Views



Front view of U152 (Explorer) DAB installed into Str Whl

U152 (Explorer) SW/DAB/Clock Spring Views



↑
Str Whl facing UP

DAB Cover

Str Whl Armature

Clock Spring

Top side view of clock spring, Str Whl, DAB

U152 (Explorer) SW/DAB/Clock Spring Views



↑
Str Whl facing UP

DAB Base Plate

Squib Connectors

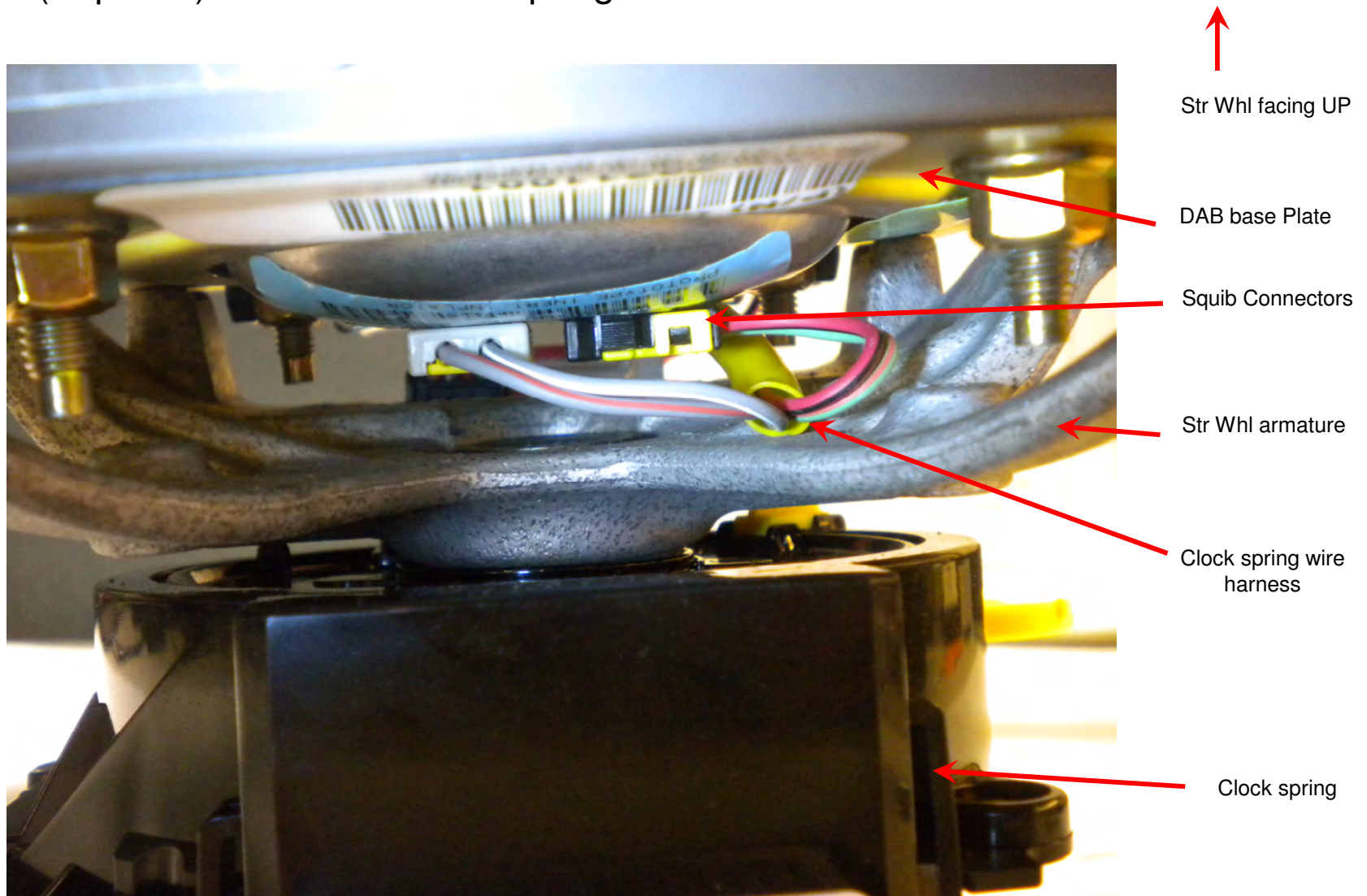
Str Whl armature

Clock spring wire
harness

Clock spring

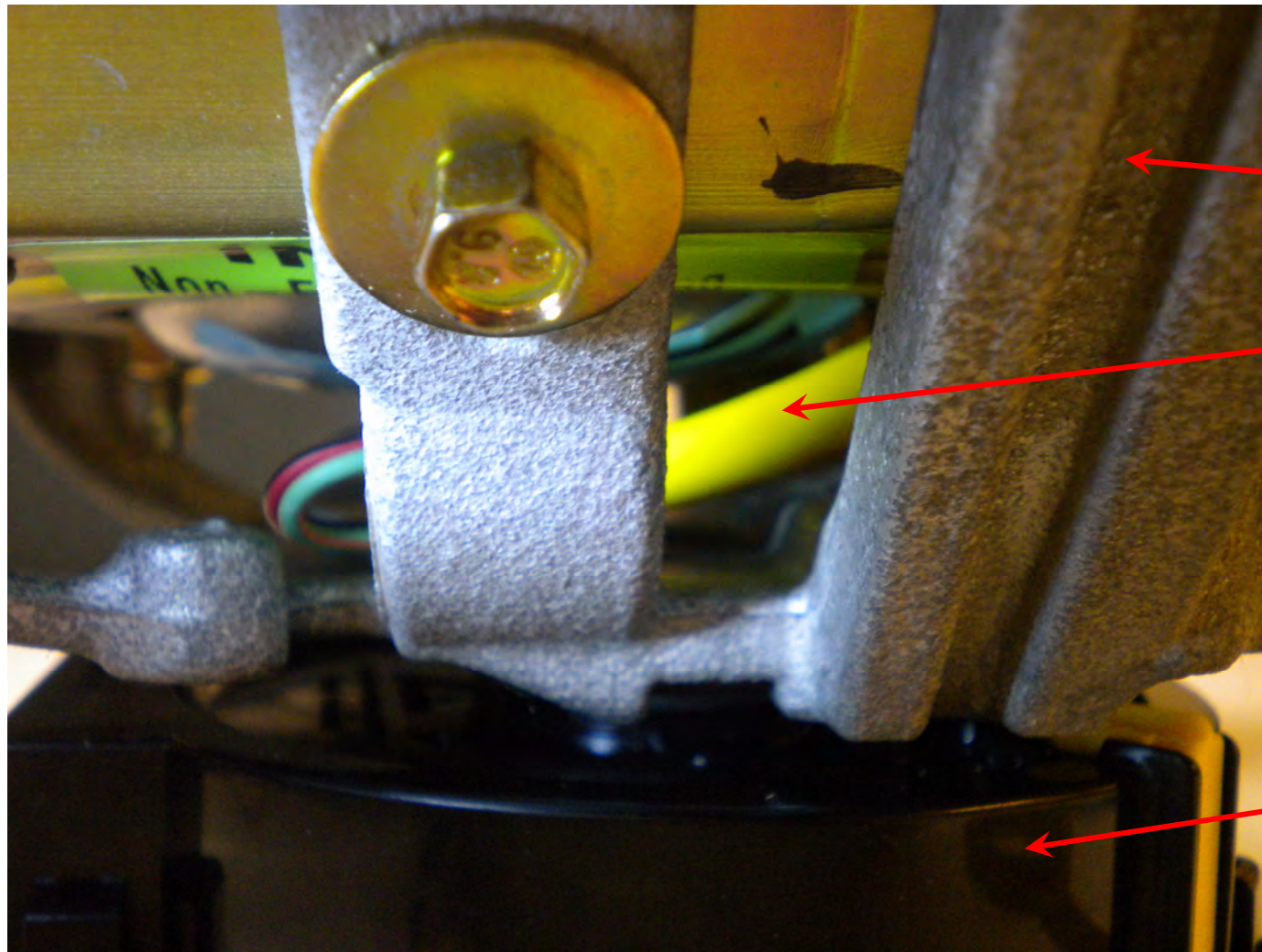
Left side view of clock spring, Str Whl, DAB

U152 (Explorer) SW/DAB/Clock Spring Views



Bottom side view of clock spring, Str Whl, DAB

U152 (Explorer) SW/DAB/Clock Spring Views



↑
Str Whl facing UP

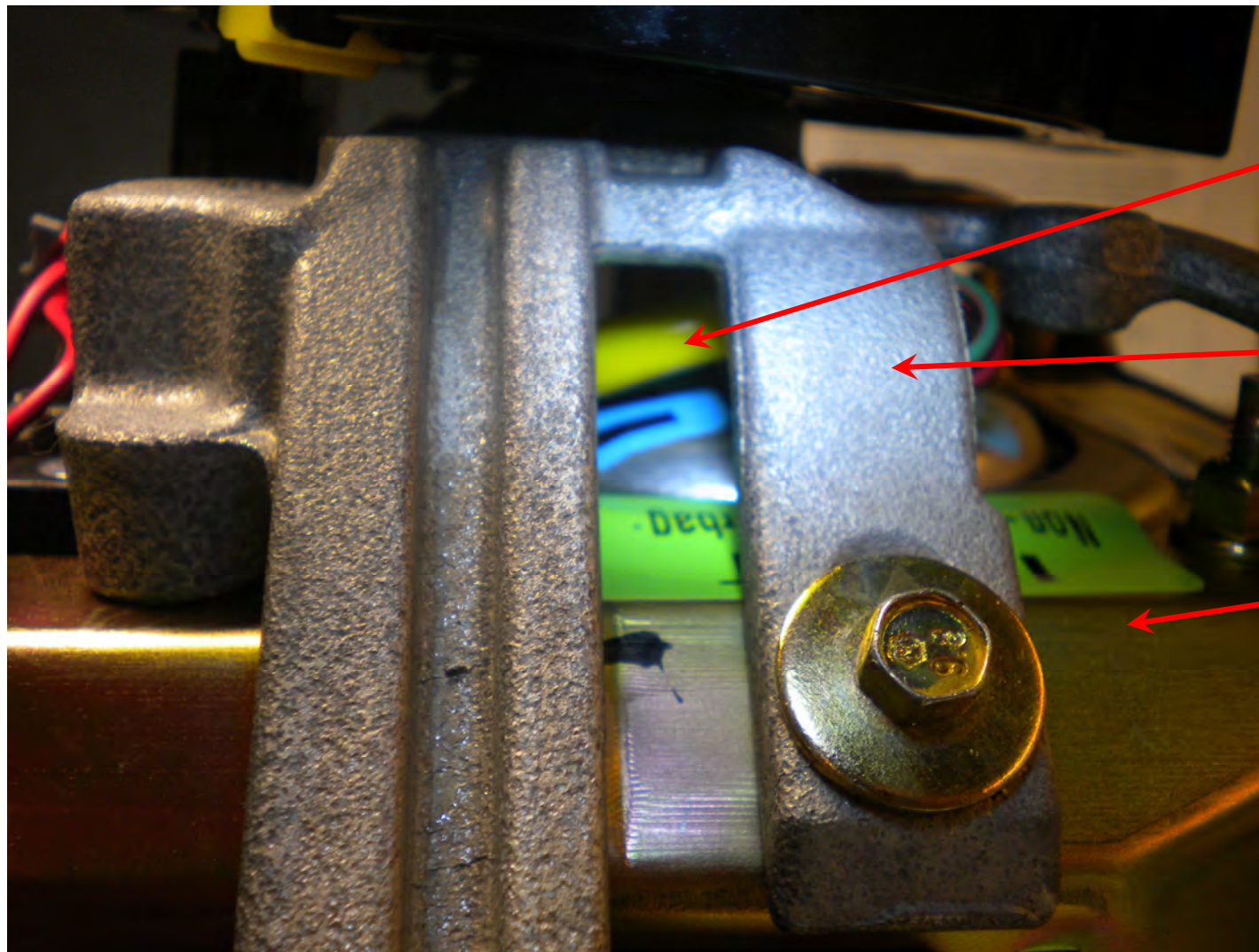
←
Str Whl armature

←
Clock spring wire
harness

←
Clock spring

Right side view of clock spring, Str Whl, DAB

U152 (Explorer) SW/DAB/Clock Spring Views



↓
Str Whl facing Down

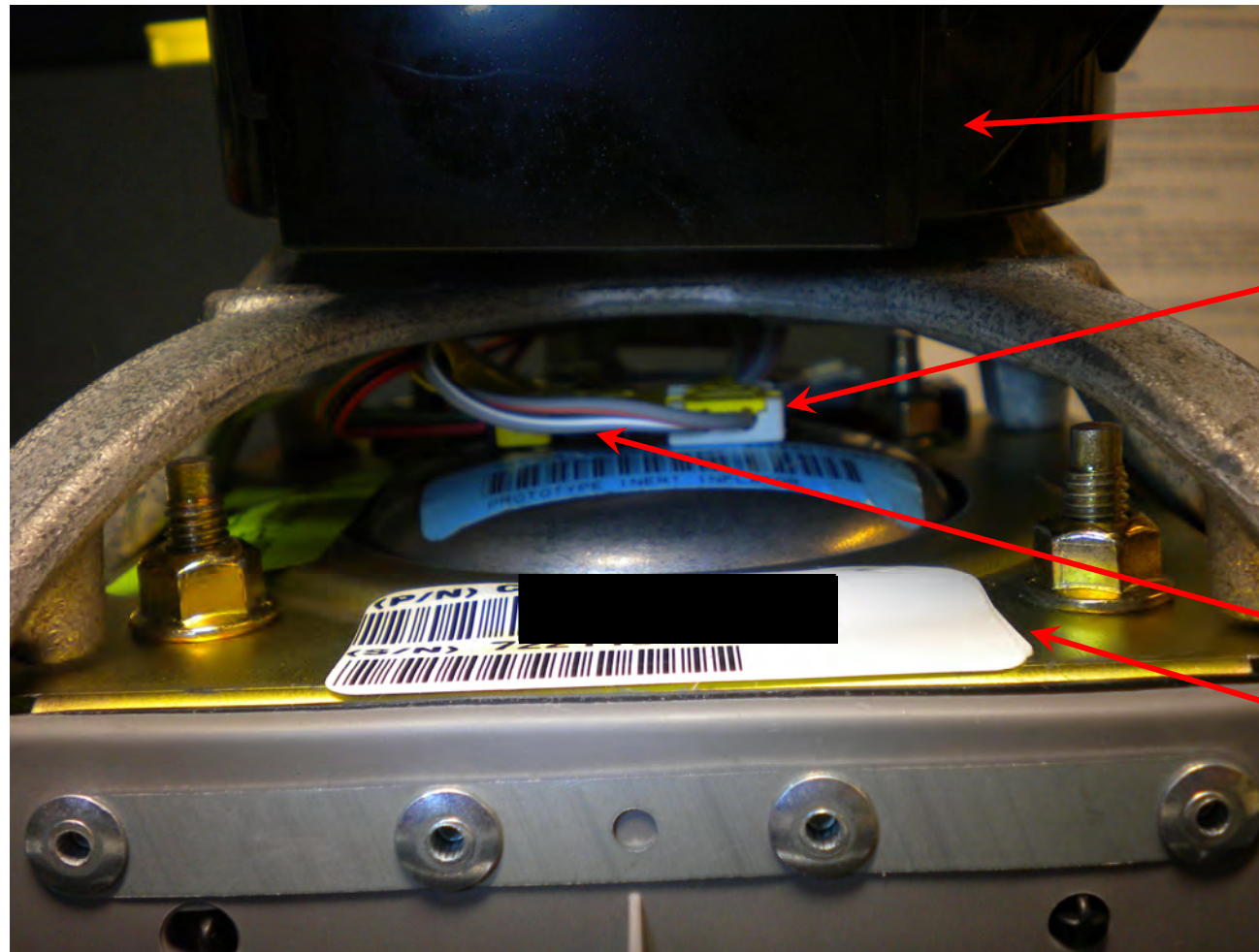
Clock spring
wire harness

Str Whl Armature

DAB Base plate

Right side view of clock spring, Str Whl, DAB (overall assembly turned over)

U152 (Explorer) SW/DAB/Clock Spring Views



Str Whl facing Down

Clock spring

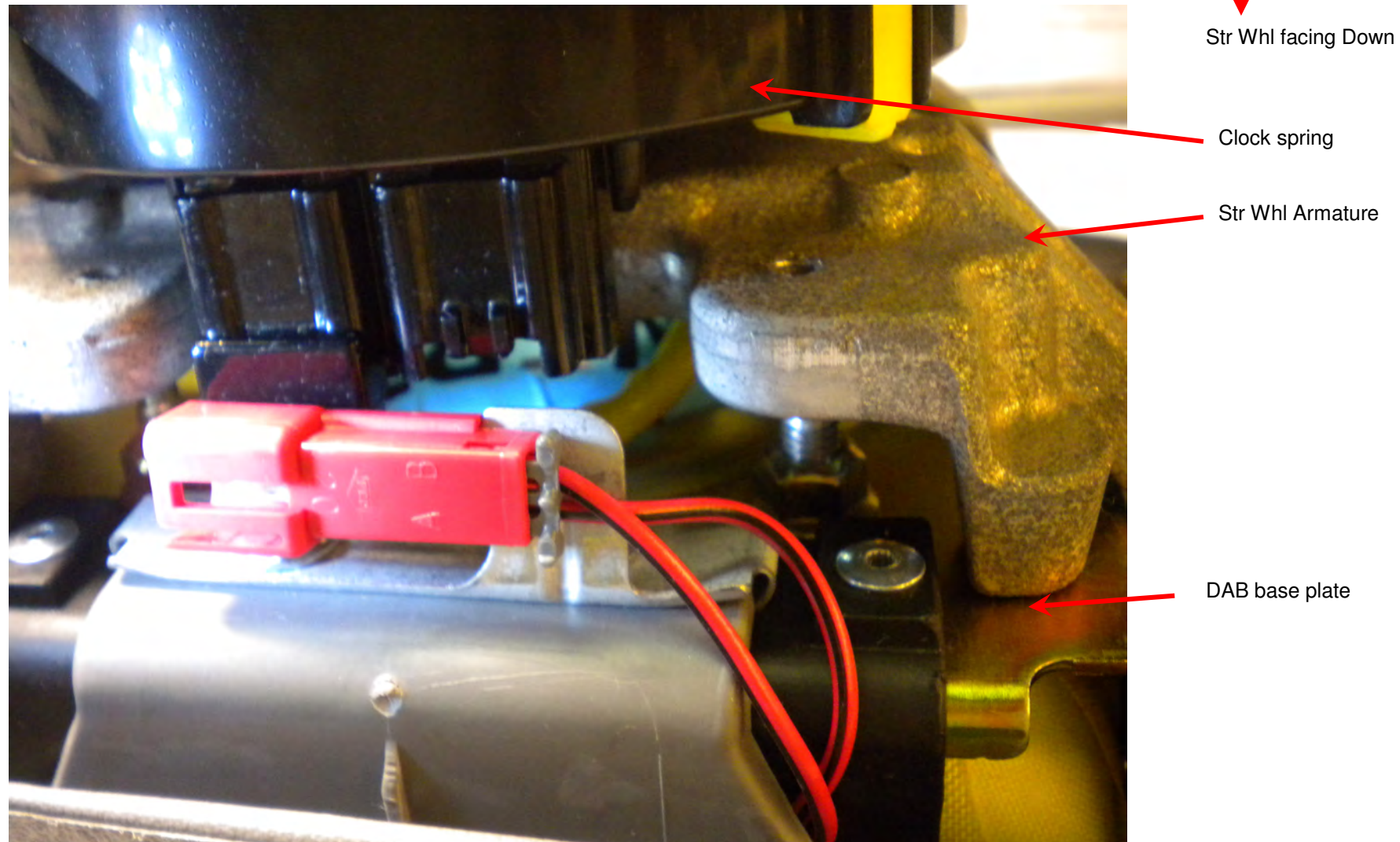
Connectors from
Clock spring

Wire harness from
clock spring

DAB base plate

bottom side view of clock spring, Str Whl, DAB (overall assembly turned over)

U152 (Explorer) SW/DAB/Clock Spring Views



Top side view of clock spring, Str Whl, DAB (overall assembly turned over)

U152 (Explorer) SW/DAB/Clock Spring Views



Left side view of clock spring, Str Whl, DAB (overall assembly turned over)

EA10-001

FORD

05/14/2010

Appendix L

F150 and Mark LT Wiring

P221 (F150) SW/DAB/Clock Spring Views



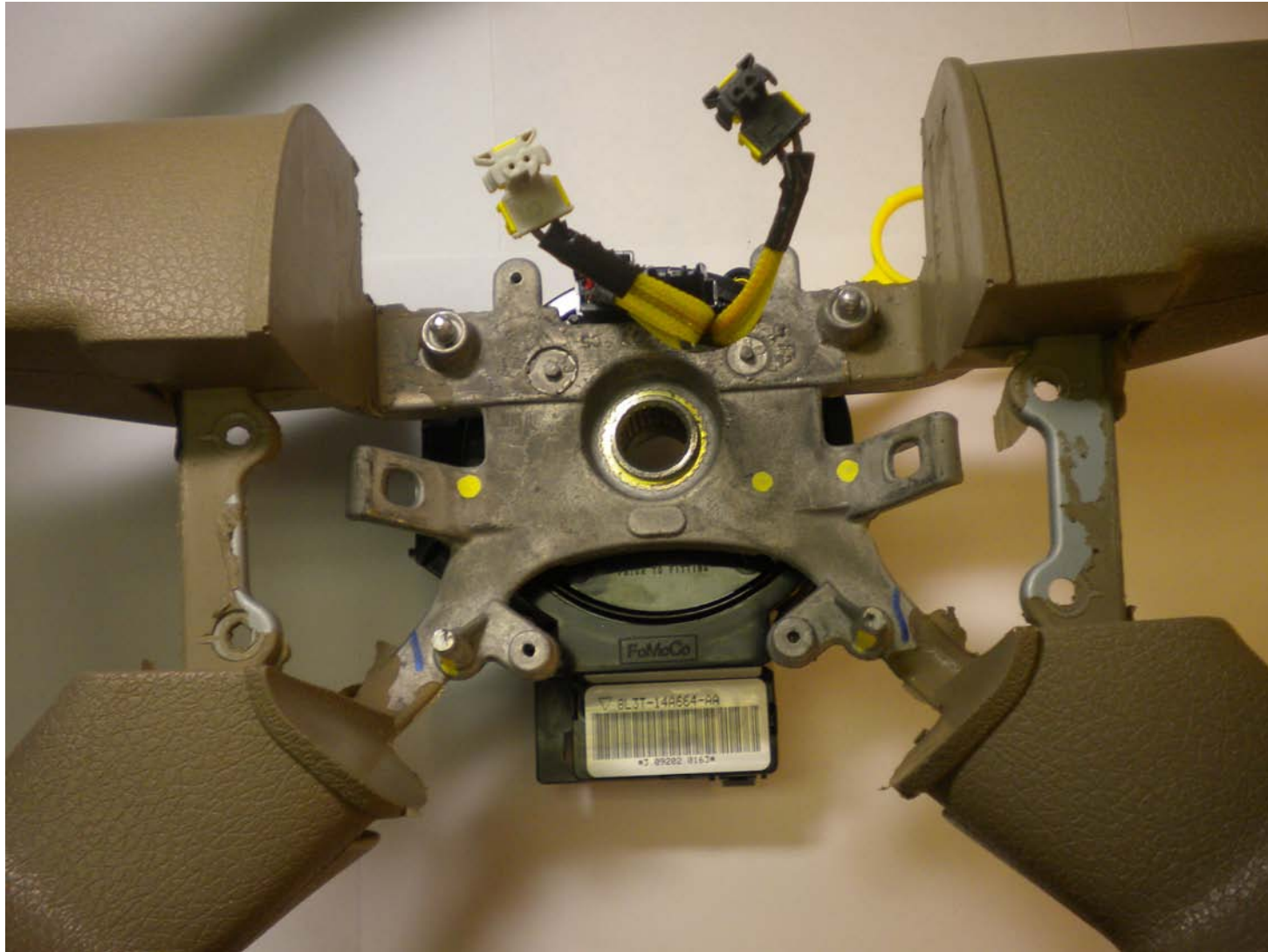
Front view of P221 (F150) Steering Wheel
(back cover & switches removed for visibility)

P221 (F150) SW/DAB/Clock Spring Views



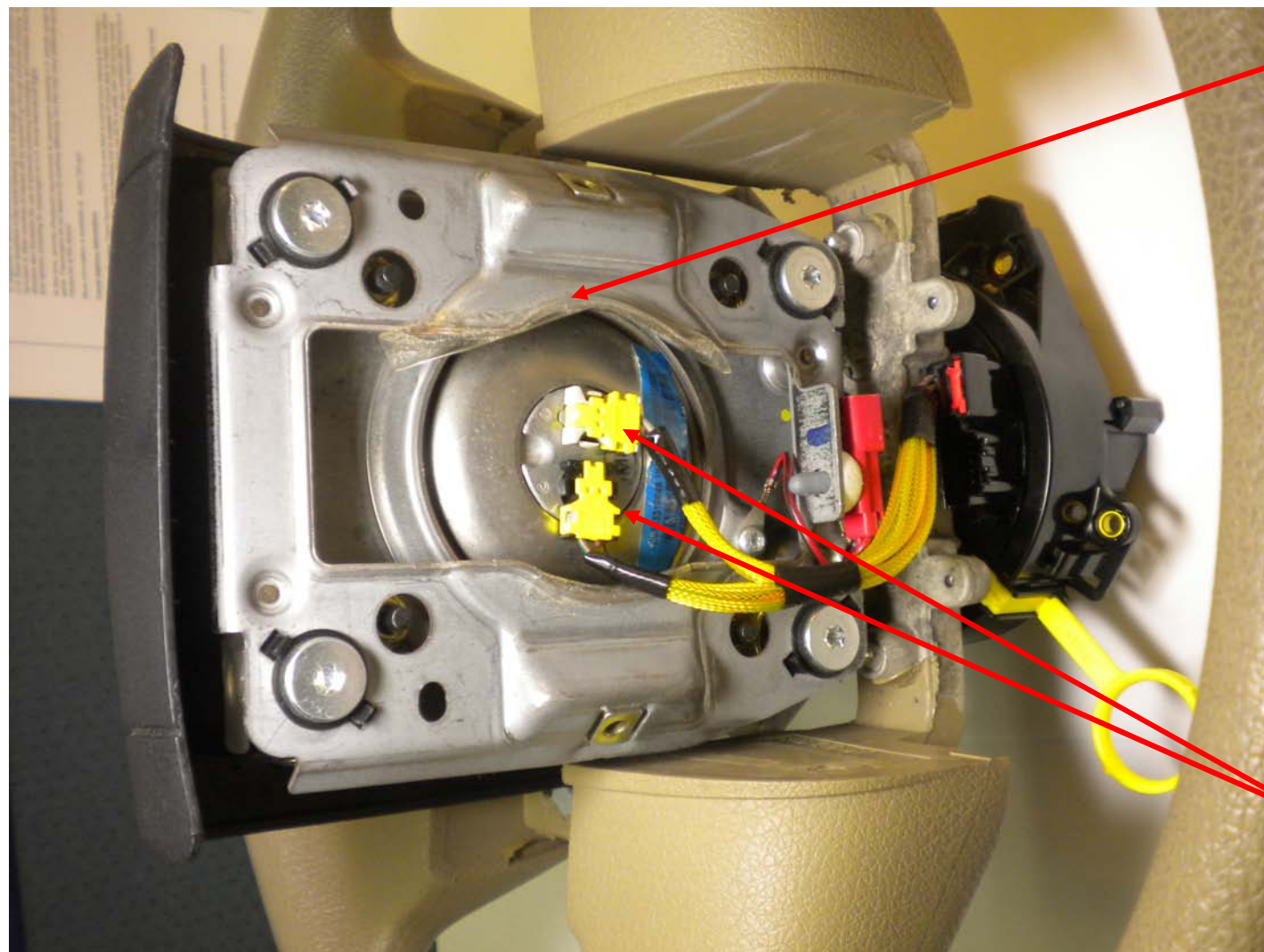
Front view of P221 (F150) Clock Spring

P221 (F150) SW/DAB/Clock Spring Views



Front view of P221 (F150) Str Wheel and Clock Spring

P221 (F150) SW/DAB/Clock Spring Views



Initial DAB level having clear Mylar tape on horn plate outline (has been replaced with Flock tape)

Initial DAB level having squib connectors orientated 90 degrees apart (squib connector orientation changed to be inline/parallel)

Angled view of P221 (F150) DAB with connectors from Clock spring engaged

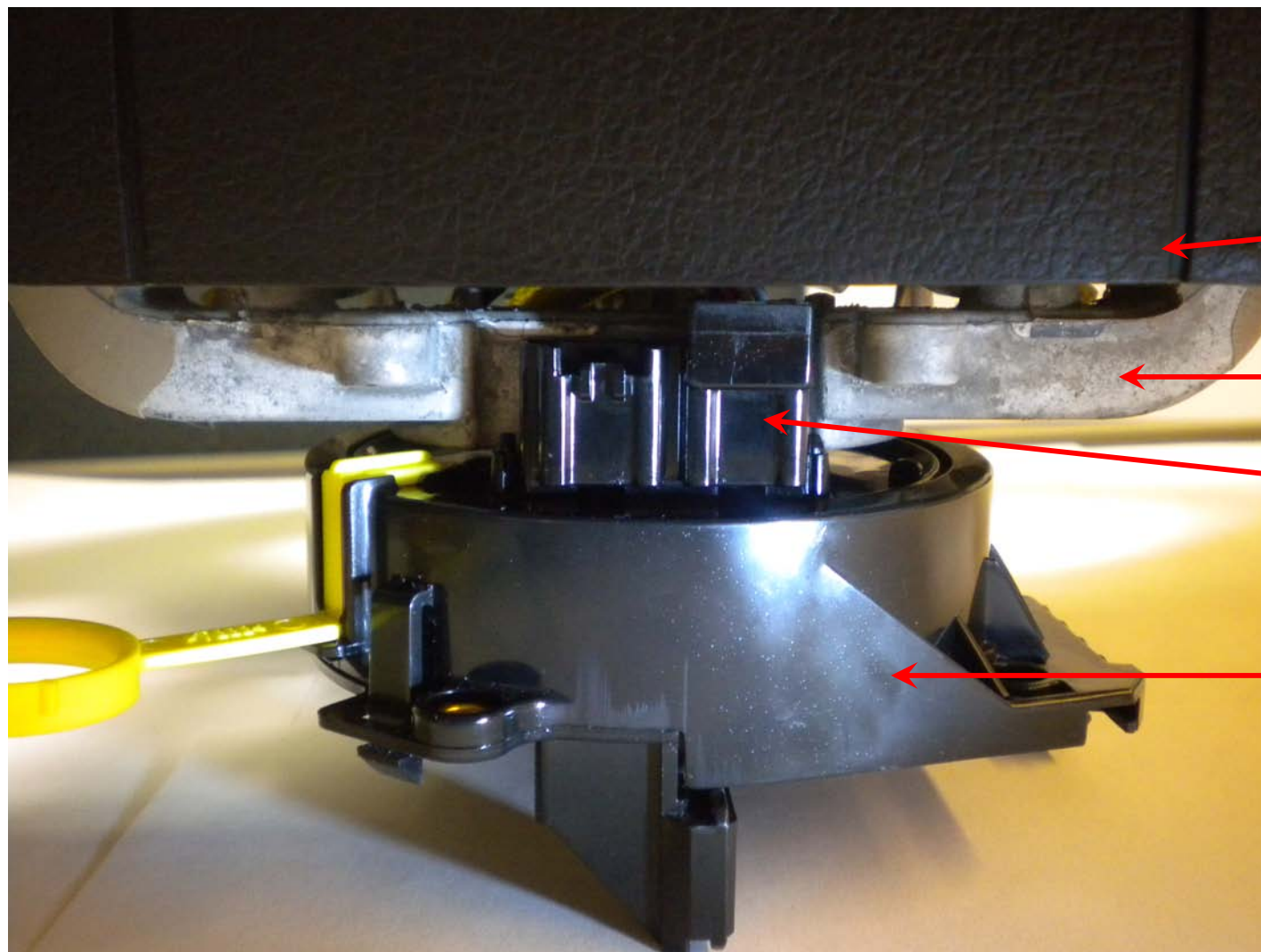
** DAB orientation is for picture clarity and is not installed in Str Whl)

P221 (F150) SW/DAB/Clock Spring Views



Angled view of P221 (F150) DAB installed into Str Whl

P221 (F150) SW/DAB/Clock Spring Views



↑
Str Whl facing UP

DAB Cover

Str Whl Armature

Clock Spring Connector

Clock Spring

Top side view of clock spring, Str Whl, DAB

P221 (F150) SW/DAB/Clock Spring Views



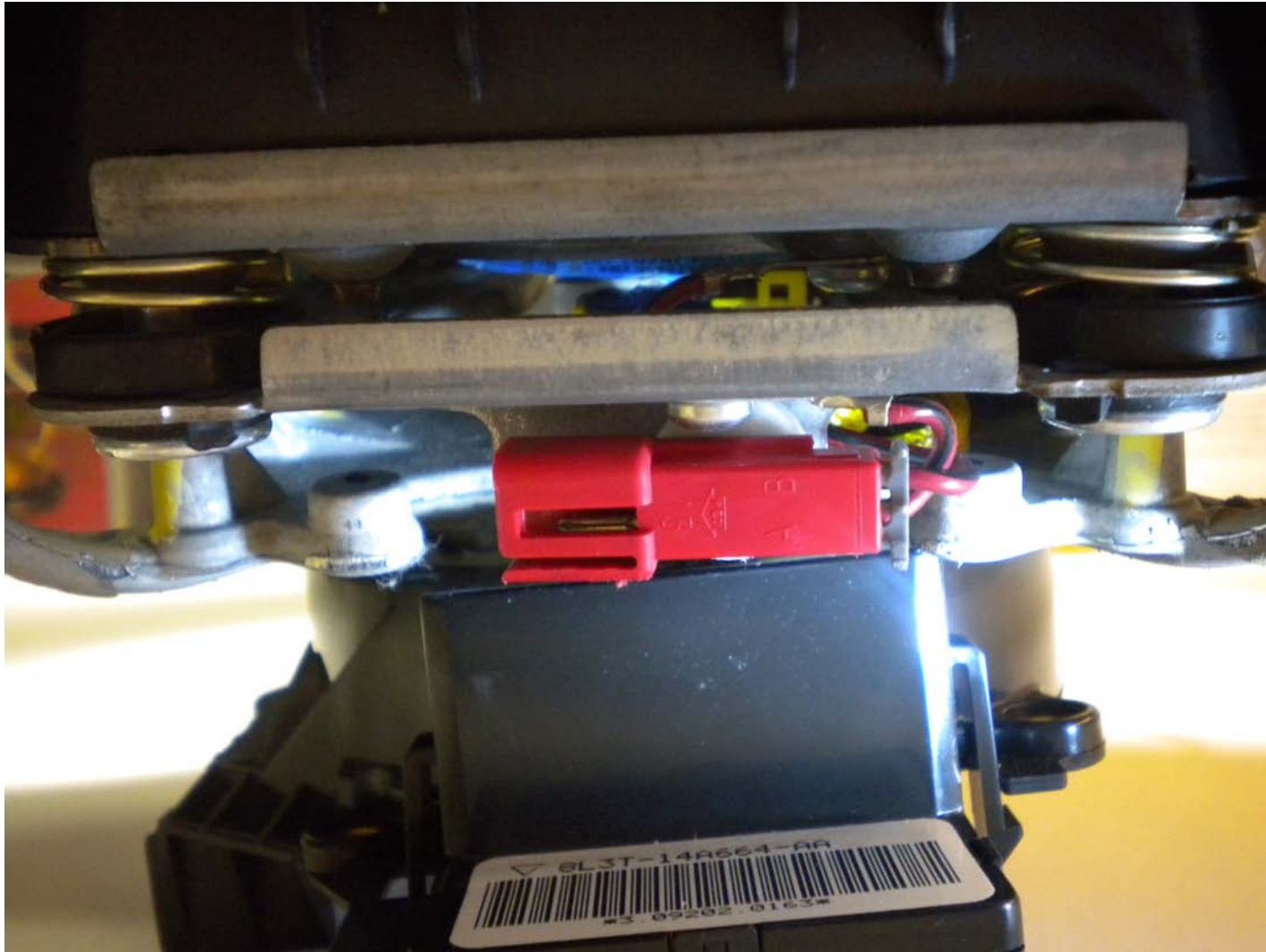
Str Whl facing UP

Left side view of clock spring, Str Whl, DAB

P221 (F150) SW/DAB/Clock Spring Views



Str Whl facing UP



Bottom side view of clock spring, Str Whl, DAB

P221 (F150) SW/DAB/Clock Spring Views

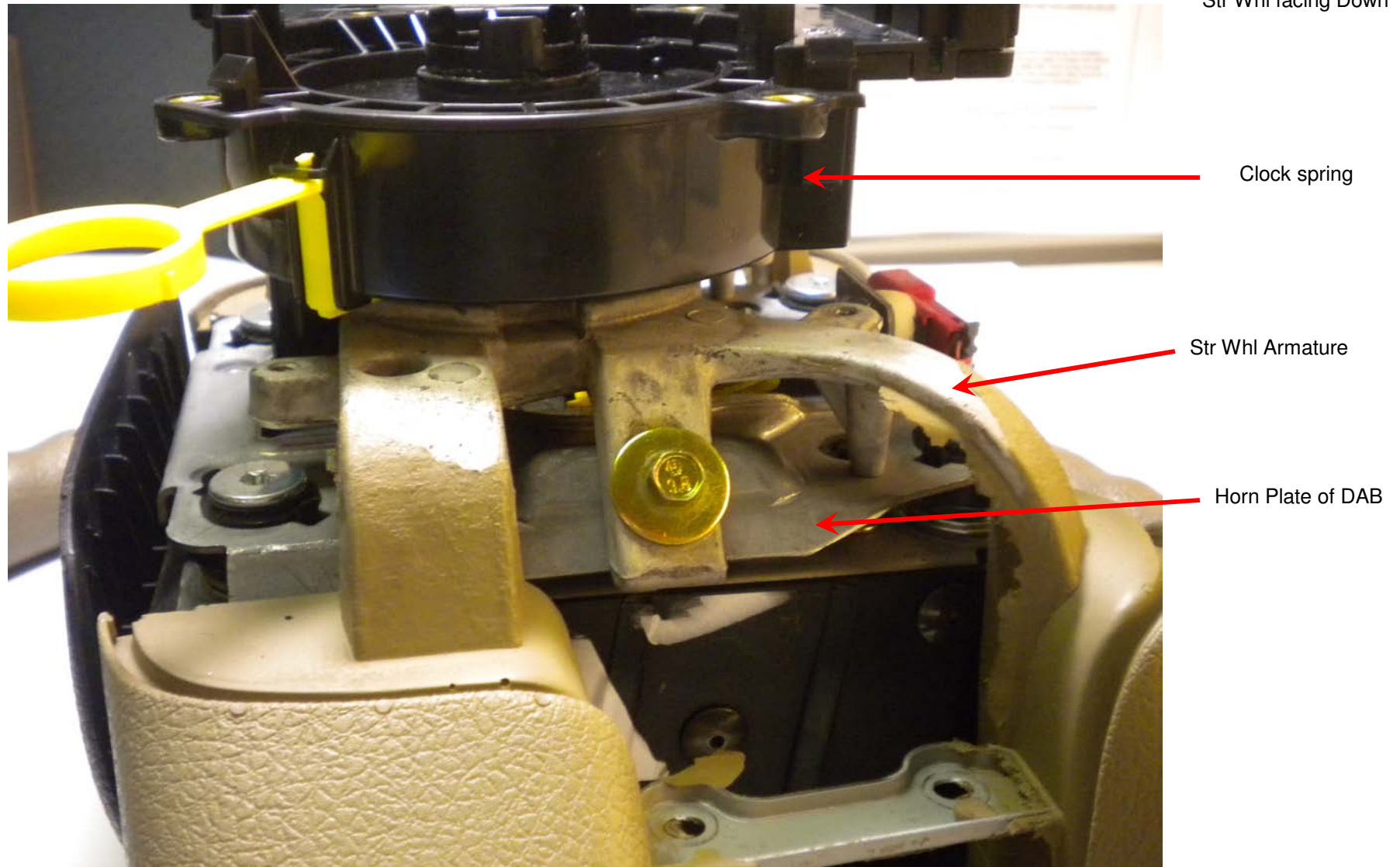


Str Whl facing UP



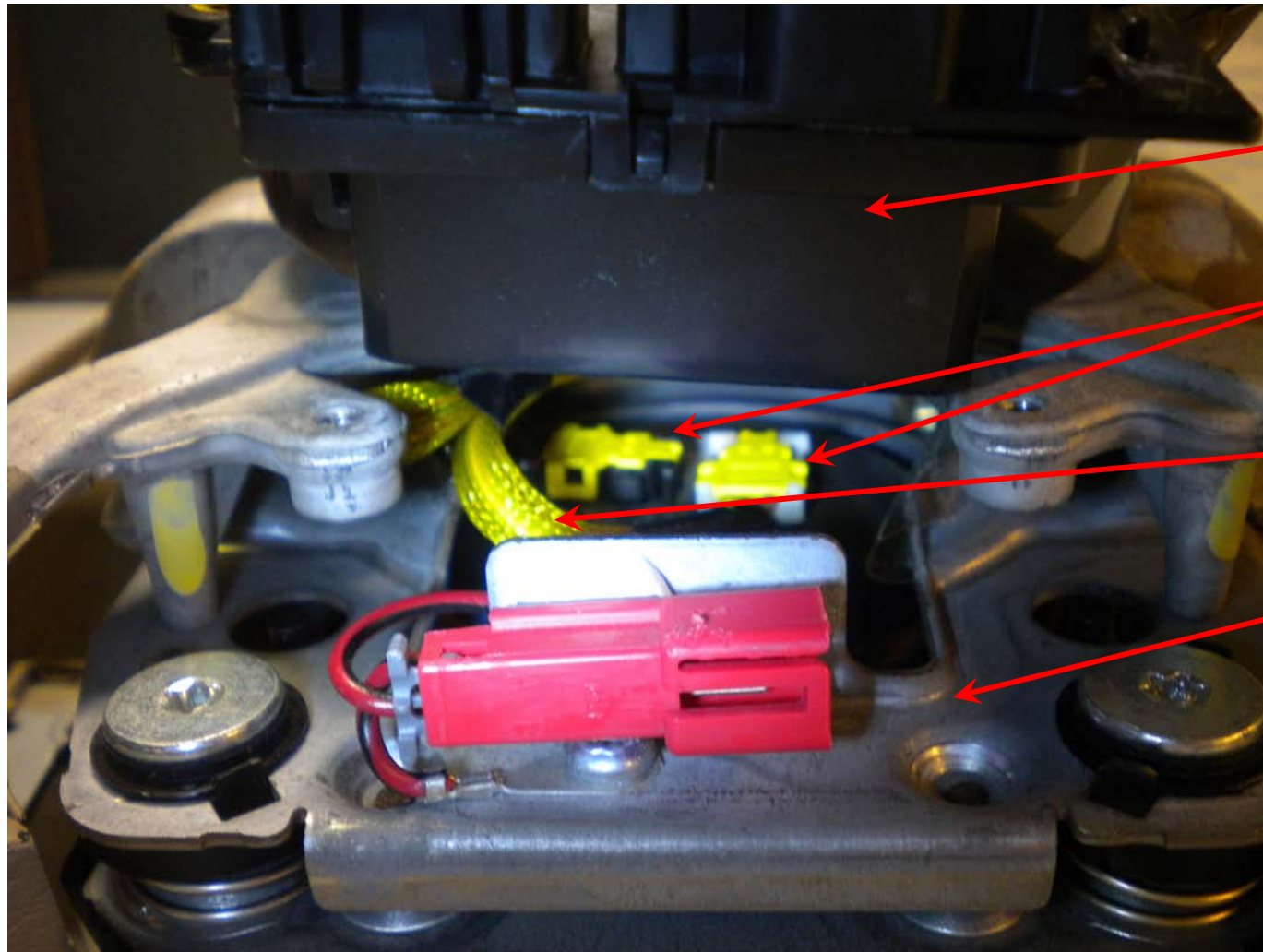
Right side view of clock spring, Str Whl, DAB

P221 (F150) SW/DAB/Clock Spring Views



Right side view of clock spring, Str Whl, DAB (overall assembly turned over)

P221 (F150) SW/DAB/Clock Spring Views



↓
Str Whl facing Down

Clock spring

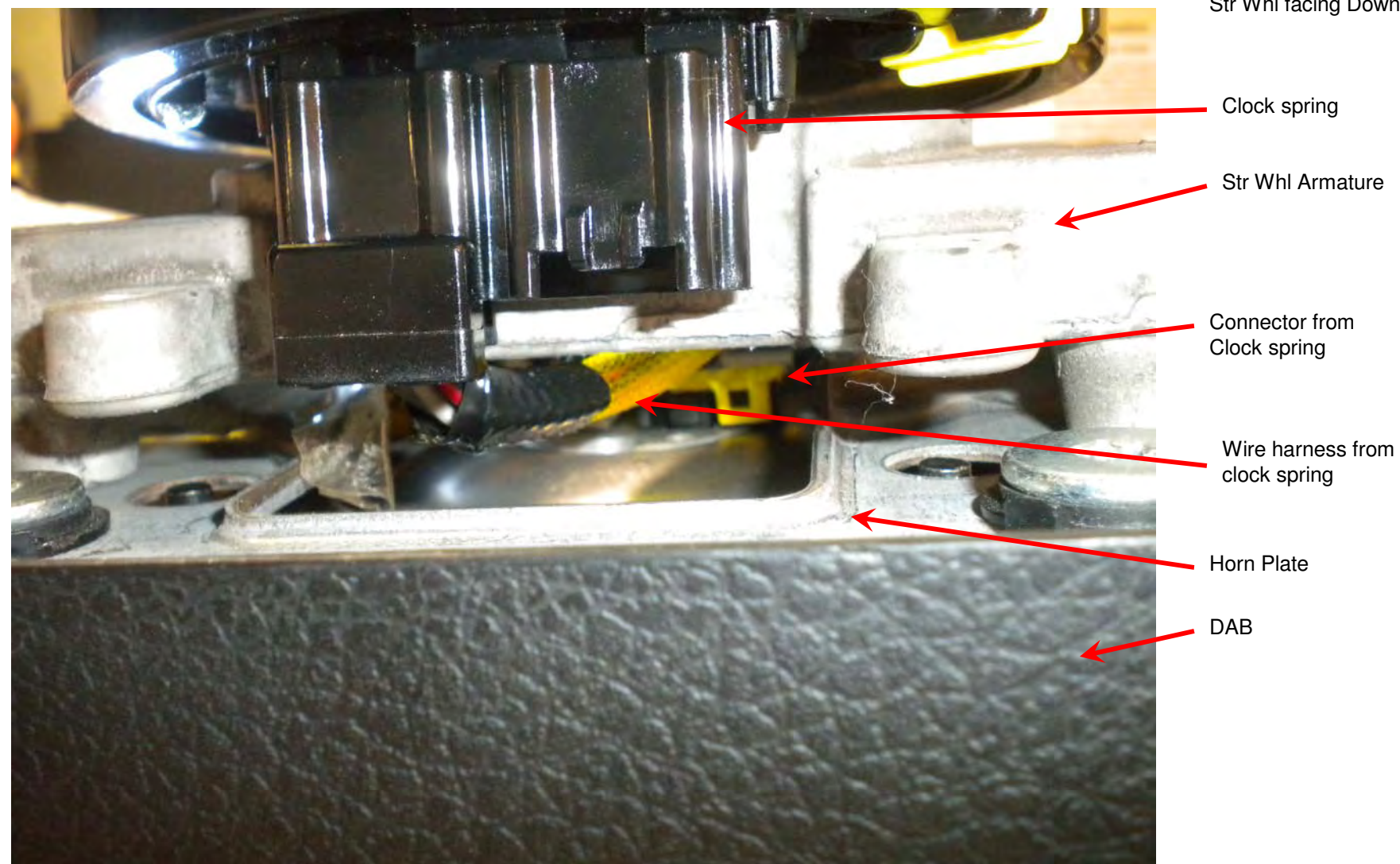
Connectors from
Clock spring

Wire harness from
clock spring

Horn Plate of DAB

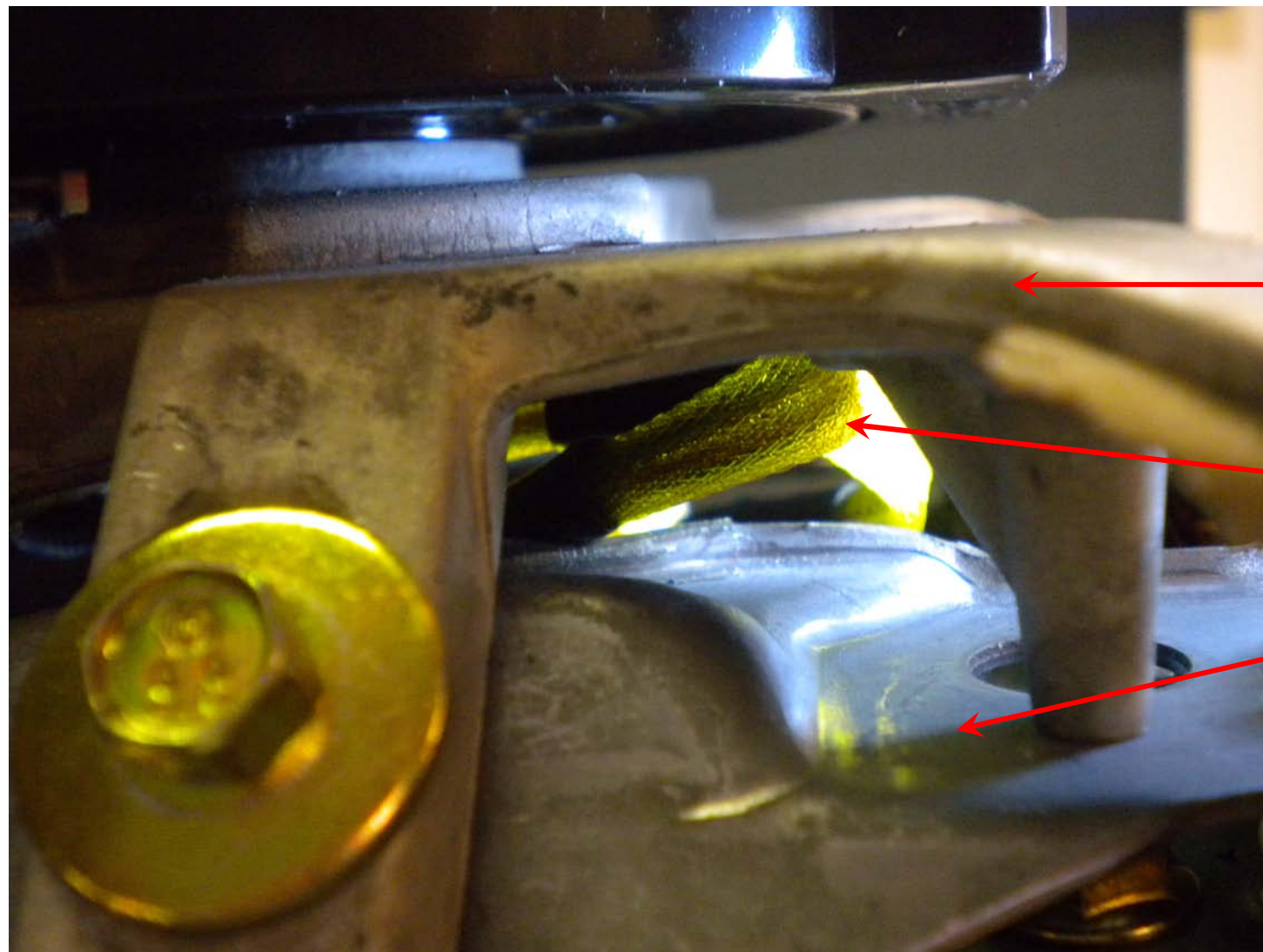
bottom side view of clock spring, Str Whl, DAB (overall assembly turned over)

P221 (F150) SW/DAB/Clock Spring Views



Top side view of clock spring, Str Whl, DAB (overall assembly turned over)

P221 (F150) SW/DAB/Clock Spring Views



↓
Str Whl facing Down

← Str Whl Armature

← Wire harness from
clock spring

← Horn Plate

Right side view of clock spring, Str Whl, DAB (overall assembly turned over)

EA10-001

FORD

05/14/2010

Appendix M

Driver Air Bag – Service Part Sales and Contact Information**SUPPLIER INFORMATION:**

Supplier: R7YA TRW SAFETY SYSTEMS
Contact: PAOLA CASTILLO
Phone: 52-614-158-5252
Street: 3201 AVENIDA JUAN ESCUTIA
City: CHIHUAHUA
State CH Zip: 31125 Country: MX

PART NUMBER:

2L3Z-15043B13-AAA (SERVICE)
2L3A 15043B13 AABJQ0 (ENGINEERING)

USAGE: 2002-2004 F-150

SALES:

YEAR	Quantity
2010	103
2009	321
2008	455
2007	661
2006	794
2005	961
2004	1074
2003	965
2002	575

PART NUMBER:

XL3Z-15043B13-AAB (SERVICE)
XL3A 15043B13 ACBJEZ (ENGINEERING)

USAGE: 2001-2008 F-150

SALES:

YEAR	Quantity
2010	170
2009	533
2008	773
2007	1234
2006	1566
2005	1974
2004	2380
2003	2815
2002	2978

PART NUMBER:

2L3Z-15043B13-AAC (SERVICE)
5C34 25043B13 BB32N4 (ENGINEERING)

USAGE: 2002 F-150

SALES:

YEAR	Quantity
2010	19
2009	65
2008	82
2007	135
2006	232
2005	213
2004	222
2003	183
2002	53

PART NUMBER:

2L3Z-15043B13-AAB (SERVICE)

2L3A 15043B13 AAJAGT (ENGINEERING)

USAGE: 1997-2004 F-150SALES:

YEAR	Quantity
2010	504
2009	1926
2008	2984
2007	4367
2006	4715
2005	2680
2004	2768
2003	2231
2002	967

PART NUMBER:

2L3Z-15043B13-AAE (SERVICE)

2L3A 15043B13 AAZUWB (ENGINEERING)

USAGE: 1997-2004 F-150SALES:

YEAR	Quantity
2010	161
2009	458
2008	647
2007	884
2006	1055
2005	1468
2004	1731
2003	1518
2002	815

PART NUMBER:

4L3Z-15043B13-CAC (SERVICE)

5L34 15043B13 CD3JA6 (ENGINEERING)

USAGE: 2004-2006 F-150 / MARK LTSALES

YEAR	Quantity
------	----------

2010	0
2009	0
2008	0
2007	0
2006	109
2005	194
2004	212
2003	0

PART NUMBER:

4L3Z-15043B13-CAA (SERVICE)

5L34 15043B13 CD32NC (ENGINEERING)

USAGE: 2004-2006 F-150 / MARK LTSALES:

YEAR	Quantity
2006	0
2005	201
2004	25
2003	0

PART NUMBER:

4L3Z-15043B13-CAB (SERVICE)

5L34 15043B13 CD33TC (ENGINEERING)

USAGE: 2004-2006 F-150 / MARK LTSALES:

YEAR	Quantity
2007	0
2006	74
2005	395
2004	367
2003	14

PART NUMBER:

2L2Z-78043B13-AAA (SERVICE)

4L24 78043B13 AA3BJ4 (ENGINEERING)

USAGE: 2002 – 2004 EXPLORER / MOUNTAINEERSALES:

YEAR	Quantity
2006	0
2005	7
2004	245
2003	292
2002	70

PART NUMBER:

2L2Z-78043B13-AAC (SERVICE)

4L24 78043B13 AA3JA6 (ENGINEERING)

USAGE: 2002-2005 EXPLORER / MOUNTAINEER

SALES:

YEAR	Quantity
2005	0
2004	1023
2003	1195
2002	329

PART NUMBER:

4L2Z-78043B13-AAA (SERVICE)

5L24 78043B13 AB3BJ4 (ENGINEERING)

USAGE: 2004-2005 EXPLORER / MOUNTAINEERSALES:

YEAR	Quantity
2010	15
2009	83
2008	135
2007	181
2006	223
2005	298
2004	364
2003	292
2002	70

PART NUMBER:

4L2Z-78043B13-AAB (SERVICE)

5L24 78043B13 AB3JA6 (ENGINEERING)

USAGE: 2002-2005 EXPLORER / MOUNTAINEERSALES:

YEAR	Quantity
2010	65
2009	272
2008	513
2007	907
2006	1214
2005	1606
2004	1723
2003	1195
2002	329

PART NUMBER:

4L2Z-78043B13-BAA (SERVICE)

5L24 78043B13 BB3BJ4 (ENGINEERING)

USAGE: 2002-2005 EXPLORER / MOUNTAINEERSALES:

YEAR	Quantity
2010	7
2009	41

2008	39
2007	73
2006	108
2005	152
2004	158
2003	110
2002	45

PART NUMBER:

4L2Z-78043B13-BAB (SERVICE)

5L24 78043B13 BB3JA6 (ENGINEERING)

USAGE: 2002-2005 EXPLORER / MOUNTAINEERSALES:

YEAR	Quantity
2010	12
2009	39
2008	79
2007	102
2006	162
2005	173
2004	225
2003	155
2002	52

PART NUMBER:

6L2Z-78043B13-AA (SERVICE)

6L24 78043B13 AK31T3 (ENGINEERING)

USAGE: 2006-2007 EXPLORER / MOUNTAINEERSALES:

YEAR	Quantity
2008	0
2007	4
2006	219
2005	24
2004	0

PART NUMBER:

6L2Z-78043B13-AB (SERVICE)

9L24 78043B13 AA34T1 (ENGINEERING)

USAGE: 2006 EXPLORER / MOUNTAINEERSALES:

YEAR	Quantity
2010	107
2009	394
2008	439
2007	513
2006	413
2005	29
2004	0

PART NUMBER:

6L2Z-78043B13-AC (SERVICE)

6L24 78043B13 AK35B8 (ENGINEERING)

USAGE: 2006 EXPLORERSALES:

YEAR	Quantity
2007	0
2006	42
2005	7
2004	0

PART NUMBER:

7L2Z-78043B13-AA (SERVICE)

9L24 78043B13 AA31T3 (ENGINEERING)

USAGE: 2006-2007 EXPLORER / MOUNTAINEERSALES:

YEAR	Quantity
2008	553
2007	557
2006	305
2005	24

PART NUMBER:

7L2Z-78043B13-AB (SERVICE)

9L24 78043B13 AA34T3 (ENGINEERING)

USAGE: 2006 EXPLORER / MOUNTAINEERSALES:

YEAR	Quantity
2008	508
2007	290
2006	93
2005	0

PART NUMBER:

7L2Z-78043B13-AC (SERVICE)

9L24 78043B13 AA35B8 (ENGINEERING)

USAGE: 2006 EXPLORERSALES:

YEAR	Quantity
2010	153
2009	458
2008	311
2007	141
2006	73
2005	7

2004 0

PART NUMBER:

2L2Z-78043B13-BAA (SERVICE)

4L24 78043B13 BA3BJ4 (ENGINEERING)

USAGE: 2002 – 2004 EXPLORER / MOUNTAINEERSALES:

YEAR	Quantity
2010	0
2009	0
2008	0
2007	0
2006	0
2005	27
2004	121
2003	110
2002	45
2001	5

PART NUMBER:

2L2Z-78043B13-BAC (SERVICE)

4L24 78043B13 BA3JA6 (ENGINEERING)

USAGE: 2002-2004 EXPLORER / MOUNTAINEERSALES:

YEAR	Quantity
2010	0
2009	0
2008	0
2007	0
2006	0
2005	41
2004	153
2003	155
2002	52

PART NUMBER:

4L2Z-78043B13-BAB (SERVICE)

5L24 78043B13 BB3JA6 (ENGINEERING)

USAGE: 2002-2005 EXPLORER / MOUNTAINEERSALES:

YEAR	Quantity
2010	12
2009	39
2008	79
2007	102
2006	162
2005	173
2004	225
2003	155

2002 52

PART NUMBER:

6L9Z-78043B13-AA (SERVICE)

9L94 78043B13 AA34T1 (ENGINEERING)

USAGE: 2006 EXPLORER / MOUNTAINEERSALES:

YEAR	Quantity
2010	20
2009	53
2008	60
2007	42
2006	31
2005	4

PART NUMBER:

6L9Z-78043B13-AB (SERVICE)

6L94 78043B13 AK35B8 (ENGINEERING)

USAGE: 2006 EXPLORER / MOUNTAINEERSALES:

YEAR	Quantity
2010	0
2009	0
2008	0
2007	0
2006	35
2005	1

PART NUMBER:

7L9Z-78043B13-AA (SERVICE)

9L94 78043B13 AA34T3 (ENGINEERING)

USAGE: 2006 EXPLORER / MOUNTAINEERSALES:

YEAR	Quantity
2010	17
2009	87
2008	71
2007	83
2006	35
2005	0

PART NUMBER:

7L9Z-78043B13-AB (SERVICE)

9L94 78043B13 AA35B8 (ENGINEERING)

USAGE: 2006 EXPLORER / MOUNTAINEERSALES:

YEAR	Quantity
------	----------

2010	36
2009	129
2008	89
2007	74
2006	56
2005	1

PART NUMBER:

2C5Z-78043B13-BAA (SERVICE)

2C5A 78043B13 BF0BJA (ENGINEERING)

USAGE: 2003 – 2005 AVIATORSALES:

YEAR	Quantity
------	----------

2010	0
2009	0
2008	0
2007	0
2006	0
2005	0
2004	0
2003	3
2002	1

PART NUMBER:

2C5Z-78043B13-BAC (SERVICE)

2C5A 78043B13 BF03NC (ENGINEERING)

USAGE: 2003 – 2005 AVIATORSALES:

YEAR	Quantity
------	----------

2010	0
2009	0
2008	0
2007	0
2006	0
2005	0
2004	0
2003	3
2002	0

PART NUMBER:

3C5Z-78043B13-AAA (SERVICE)

5C54 78043B13 AB3BJA (ENGINEERING)

USAGE: 2004 AVIATORSALES:

YEAR	Quantity
------	----------

2010	1
------	---

2009	11
2008	4
2007	29
2006	38
2005	53
2004	71
2003	77
2002	1

PART NUMBER:

3C5Z-78043B13-BAA (SERVICE)

5C54 78043B13 BB3BJA (ENGINEERING)

USAGE: 2003-2005 AVIATORSALES:

YEAR	Quantity
2010	11
2009	36
2008	48
2007	78
2006	88
2005	129
2004	137
2003	72
2002	11

PART NUMBER:

4C5Z-78043B13-BAA (SERVICE)

5C54 78043B13 BB34N1 (ENGINEERING)

USAGE: 2004-2005 AVIATORSALES:

YEAR	Quantity
2010	3
2009	18
2008	29
2007	26
2006	38
2005	55
2004	44
2003	2
2002	0

PART NUMBER:

4C5Z-78043B13-AAA (SERVICE)

5C54 78043B13 AB34N1 (ENGINEERING)

USAGE: 2004 AVIATORSALES:

YEAR	Quantity
2010	4

2009	14
2008	13
2007	20
2006	29
2005	33
2004	27
2003	1
2002	0

PART NUMBER:

3C5Z-78043B13-BAB (SERVICE)

5C54 78043B13 BB33NC (ENGINEERING)

USAGE: 2003 AVIATORSALES:

YEAR	Quantity
2010	0
2009	2
2008	13
2007	26
2006	24
2005	40
2004	55
2003	39
2002	10

PART NUMBER:

2L7Z-78043B13-BAA (SERVICE)

5L74 78043B13 BF3BJA (ENGINEERING)

USAGE: 2004-2005 NAVIGATORSALES:

YEAR	Quantity
2010	1
2009	4
2008	16
2007	20
2006	29
2005	51
2004	64
2003	62
2002	0

PART NUMBER:

2L7Z-78043B13-BAA (SERVICE)

5L74 78043B13 BF3BJA (ENGINEERING)

USAGE: 2005-2006 NAVIGATORSALES:

YEAR	Quantity
2010	1

2009	4
2008	16
2007	20
2006	29
2005	51
2004	64
2003	62
2002	0

Clockspring - Service Part Sales and Contact Information**SUPPLIER INFORMATION:**

Supplier: M363C METHODE ELECTRONIC
 Contact: GINA PARRISH
 Phone: 217-357-3941 X 22167
 Street: 111 W BUCHANAN RR 2/PO BOX 130
 City: HANCOCK
 State IL Zip: 65321 Country: USA

PART NUMBER:

1L2Z-14A664-AB (Service)
 1L2T 14A664 AE (Engineering)

USAGE: 2002 EXPLORER / MOUNTAINEER

SALES:

YEAR	Quantity
2010	216
2009	644
2008	764
2007	825
2006	976
2005	1104
2004	1653
2003	1758
2002	2256

PART NUMBER:

2L1Z-14A664-AA (Service)
 1L2T 14A664 AE (Engineering)

USAGE: 2004 F-150 / MARK LT, 2003-2005 NAVIGATOR

SALES:

YEAR	Quantity
2010	0
2009	0
2008	0
2007	0
2006	0
2005	1287
2004	1595
2003	978
2002	354

PART NUMBER:

2L2Z-14A664-AB (Service)
 5L2T 14A664 AA (Engineering)

USAGE: 2004-2008 F-150 / MARK LT, 2002-2005 EXPLORER / MOUNTAINEER, 2003-2004 AVIATOR

SALES:

YEAR	Quantity
2010	0
2009	0
2008	0
2007	246
2006	3367
2005	4164
2004	3067
2003	1493
2002	526

PART NUMBER

2C5Z-14A664-AB (Service)

2C5T 14A664 AE (Engineering)

USAGE: 2004-2005 EXPLORER / MOUNTAINEER, 2004 AVIATORSALES:

YEAR	Quantity
2010	0
2009	0
2008	0
2007	0
2006	0
2005	259
2004	794
2003	243
2002	113

PART NUMBER:

4C5Z-14A664-AA (Service)

5C5T 14A664 AA (Engineering)

USAGE: 2004-2005 EXPLORER / MOUNTAINEER, 2004 AVIATORSALES:

YEAR	Quantity
2010	125
2009	453
2008	577
2007	804
2006	994
2005	1407
2004	847
2002	113

PART NUMBER:

7L3Z-14A664-A (Service)

7L3T 14A664 AA (Engineering)

USAGE: 2004-2008 F-150 / MARK LT, 2003-2004 AVIATOR, 2002-2005 EXPLORER / MOUNTAINEERSALES:

YEAR	Quantity
------	----------

2010	0
2009	1
2008	442
2007	5243
2006	3528
2005	4164
2004	3067
2003	1493
2002	526

EA10-001

FORD

05/14/2010

Appendix O

Model Year	Model	VIN	Report Date	Mileage	Cat	Source	Inquiry	Alleged Accident	Alleged Fire	Alleged Injury	Alleged Fatality
2004	Navigator	5LMFU27R64L [REDACTED]	12-Jul-07	46465	A1	MORS III	EA10-001			1	0
2004	Navigator	5LMFU27R54L [REDACTED]	12-May-09	80135	B1	MORS III	EA10-001			1	0
2004	Navigator	5LMFU28R74L [REDACTED]	23-Jun-08	58298	A1	MORS III	EA10-001			1	0
2005	Navigator	5LMFU27585L [REDACTED]	07-Nov-08	62000	B1	MORS III	EA10-001			1	0

EA10-001

FORD

05/14/2010

Appendix R1

Peer Vehicles Lawsuits Claims Log

Case_No	Type	Owner_Name	Owner_Address	Owner_Phone	VIN	Make	Model	Mdl Yr	Mileage	Incident Date	Notice Date	Alleged Crash	Alleged Fire	Alleged Property Damage	Alleged Injury	Alleged Fatalities	Category	Duplicate
540989	Suit				5LMFU27525L	Lincoln	Navigator	2005	24237		05/22/2007	N	N	N	0	0	B3	
D005079	Claim				5LMFU27589	Lincoln	Navigator	2005	62000	11/04/2008	11/12/2008	N	N	N	1	0	B1	

EA10-001

FORD

05/14/2010

Appendix R2



BEGINNING OF CONTACT
11/08/2008

VOICE OF THE CUSTOMER TRACKING SYSTEM

08.00.05

REGION: W3 PHOENIX OGC ISSUE CASE NBR: 0489823098
VIN: 5LMFU27585L ZONE: A03 OPENED: 11/07/2008
ENGINE: 5 VEH TYPE: T CLOSED: 11/07/2008

LAST NAME: [REDACTED] STATUS: CLOSED
TITLE: [REDACTED] MI: J
ADDRESS: [REDACTED] FIRST NAME: [REDACTED]
CITY: HENDERSON STATE: NV ZIP: [REDACTED]
HOME PHONE: [REDACTED]
MODEL YEAR: 2005 MODEL: NAVIGATOR BASE 4X2 4-DR
MILEAGE: 62000
DEALER NAME: SIGNATURE LINCOLN M SALES CODE: L54137 P & A: 11068
REASON CODE: 0796 LEGAL - ALLEGED INJURY
SYMPTOMS: 104457 RESTRAINTS AIR BAG SYSTEM DEPLOYMENT

ORIGIN: CACI38 - US CONCERN CASE BASE COMMUNICATION: PHONE
ACTION: 705 - CONTACT ADVANCED TO OGC
DOCUMENT: ANALYST: SCOOPERI SUZANNE COOPERIDER (SCOOPERI)

FORD MOTOR COMPANY

DATE: 11/07/2008 TIME: 15.38.12:
ACTION DATA/COMMENTS:

11/8/2008

CUSTOMER SAID: =CALLED COUPLE DAYS AGO REGARDING AIR BAGS DE
PLOYING IN MY NAVIGATOR =VEH IS CURRENTLY WITH DLRSH =HAVE
BEEN SPEAKING WITH DLRSH WHO HAS HAS ADVISED ENGINEERING A
ND HAS ADVISED US THEY ARE COMING TO LOOK AT VEH TO DETERMIN
E CAUSE OF AIR BAG DEPLOYMENT (CCR VERIFIED WITH HISTORICALS
ORIGINAL CALL TAKEN ON 11/4/08) =WHEN AIR BAG DEPLOYED MY W
IFE WHO WAS SITTING IN THE DRIVERS SEAT WAS HIT IN THE FACE
AND CHEST, SHE HAD A CUT ON HER LEFT HAND AND HAD SOME CHES
T PAIN =HAD RINGING IN HER EAR FOR ABOUT A DAY =CURRENTLY E
XPERIENCE S HEADACHES AT NIGHT =MY WIFE IS 7 MONTHS PREGNANT
AND HER PHYSICIAN HAS HER DOING SOME FETAL MONITORING WHICH
IS TO BE PERFORMED EVERY WEEK UNTIL BABY IS BORN, WHICH IS
APROX JANUARY =AIR BAG WENT OFF ON 11/4/08 AT 8:20AM WHEN KE
Y WAS PLACED IN IGNITION =NO CLAIM FILED WITH INSURANCE COM
PANYDEALER SAID: SIGNATURE LINCOLN MERCURY3030 EAST SAHARA A
VENUE LAS VEGAS, NV 89104TEL:(702) 768-8651CRC ADVISED: I WI
LL FORWARD YOUR INFORMATION TO FORD'S OFFICE OF THE GENERAL
COUNSEL. YOU SHOULD RECEIVE A WRITTEN RESPONSE WITHIN 15 BU
SINESS DAYS TO YOUR CONCERN.NOTE TO CCR: REMEMBER TO VERIFY
ALL CUSTOMER CONTACT INFORMATION BEFORE SENDING ISSUE.(PATH
TAKEN PER LCSR SHERYL)=AFTER PROVIDING RESOLUTION CUST INQUI
RED IF HE SHOULD ALLOW THE VEH TO BE REPAIRED IF ENGINEERING
DETMINES IT REPAIRABLE=CCR ADVISED CUST TO CONTINUE WORKING
WITH S/M AND TO ADVISE S/M CASE HAS BEEN ESCALATED TO THE O
FFICE OF GENERAL COUNCIL =CUST REQUESTED CONTACT INFORMATION
TO THIS DEPARTMENT, CCR PROVIDED MAILING ADDRESS AND ADVISE
D CUST CAN NOT GUARANTEE A RESPONSE BACK FROM THIS DEPARTMEN
T UNTIL THEY RECEIVE CASE AND REVIEW =ADVISED CUST DUE TO TH
E HOLIDAY TO ALLOW UNTIL 12/3/08 =CCR VERIFIED CUST CONTACT
INFORMATION AS FOLLOWS: [REDACTED] PALM CTHEND
ERSON, NEVADA [REDACTED]

U.S. FORD
GENERAL COUNSEL

CONSUMER AFFAIRS

11/08/2008 FAXOGC1

EA10-001 000144LC

PRINCE & KEATING

ATTORNEYS AT LAW
3230 SOUTH BUFFALO DRIVE, SUITE 108
LAS VEGAS, NEVADA 89117
TELEPHONE (702) 228-6800
FACSIMILE (702) 228-0443
WWW.PRINCEKEATING.COM

Reply To: John T. Keating
Email: Jkeating@princekeating.com

March 25, 2009

VIA FACSIMILE

Michelle Hull
Ford Motor Company
Product Claims Department
P.O. Box 70
Dearborn, Michigan 48121-0070

Re: [REDACTED]
2005 Lincoln Navigator
Our File No.: 1500.289

Dear Ms. Hull:

Please allow this letter to serve as my clients formal demand in an attempt to resolve this case. Pursuant to our previous discussion on March 24, 2009, my clients are interested in resolving the matter with Ford in its entirety through a cash settlement. In that regard, it is my understanding that you are currently attempting to get authority to do the same and that this will involve paying off the loan on their existing vehicle and then returning to the Currans the amount of their down payment on the existing vehicle which is somewhere around \$8,500.

In addition, as you know, [REDACTED] was six months pregnant at the time of the airbag deployment and thus went to Sunrise Hospital in Las Vegas for monitoring and testing on the day of the incident. Although my clients were not able to locate the actual invoices, I am attaching for your review the claim information from their health insurance provider showing that the Hospital charged them \$351 on November 4, 2008. In addition, there were a number of laboratory tests performed by Quest Diagnostics Incorporated in connection with this visit with total charges incurred of \$196.73. My clients are requesting that they be compensated for the total amount of their medical bills in the sum of \$547.73.

In addition, my clients were very disappointed by Ford's position regarding the rental vehicle. As you know, the dealership has been paying for a rental vehicle since their vehicle was taken to the dealership on November 4, 2008. However, last week this benefit was arbitrarily eliminated by Ford and as a result, my clients incurred one week of rental charges in the amount

Michelle Hull
March 25, 2009
Page 2

of \$429.73. This certainly does not seem equitable since Ford has had the vehicle since November of 2008 and has been paying the rental charges all along. My clients are cognizant of Ford's resistance with respect to this portion of their claim but feel strongly enough about it to request that Ford at least compensate them partially for the one week they rented a vehicle at their own expense and are requesting a \$35 a day reimbursement for a total of \$175. This amount is consistent with what is provided for in the warranty language and my clients believe is more than fair.

Finally, regarding a copy of the registration, I am enclosing a copy of the registration printed off the Nevada Department of Motor Vehicles website. My clients are currently attempting to locate the actual copy of the registration but believe that it is contained in the glove compartment of the vehicle which is at the dealership in Las Vegas. My clients can either go to the dealership and retrieve it or the dealership is authorized to take it out of their vehicle and provide a copy to you.

Please contact me as soon as possible in an effort to resolve this case. My clients are interested in resolving this quickly since they have now been put in the unenviable position by Ford of having to make do with only one vehicle. This is especially problematic given the fact that their one vehicle that they are utilizing is a sedan and they have three very young children, all with car seats. Therefore, your prompt attention to this matter is requested. I look forward to hearing from you.

Very truly yours,

PRINCE & KEATING

John T. Keating

JTK:ln
cc: [REDACTED]



1 Alan R. Golden, Esq. State Bar No. 034994
2 **LAW OFFICES OF ALAN R. GOLDEN**
3 16830 Ventura Boulevard, Suite 347
4 Encino, California 91436-1749
5 Telephone: (818) 784-1224
6 Our File No. 491.2(311)

7 Attorney for plaintiff Mkrkich M. Tamrazyan

CONFORMED COPY
OF ORIGINAL FILED
Los Angeles Superior Court

MAY 15 2007

John A. Clarke, Executive Officer/Clerk
By D.M. Swain Deputy
D.M. Swain

8 **SUPERIOR COURT OF CALIFORNIA, COUNTY OF LOS ANGELES**
9 **CENTRAL DISTRICT**

10
11 **MKRTICH M. TAMRAZIAN,**

12 **Plaintiff,**

13 **vs.**

14 **FORD MOTOR COMPANY;**
15 **STAR LINCOLN MERCURY; and**
16 **DOES 1 through 20, inclusive,**

17 **Defendants.**

NO.

BC371196

**COMPLAINT FOR MONEY
DAMAGES; AND DEMAND
FOR JURY TRIAL**

18 Plaintiff Mkrkich M. Tamrazyan alleges as follows:

19
20 **FIRST CAUSE OF ACTION**

21 **(BREACH OF EXPRESS WARRANTY/STATUTORY DUTY: C. C. §1790, ET. SEQ.)**

22 **(AGAINST DEFENDANTS FORD MOTOR COMPANY**

23 **AND DOES 1 THROUGH 5)**

24
25 1. At all times herein mentioned, defendants Ford Motor Company ("Ford"), and Star
26 Lincoln Mercury ("Star"), were corporations, limited liability companies, or other entities, duly
27 organized and existing by virtue of the laws of one or more of the States of the United States, and
28 said defendants routinely conducted, and now conduct business within the State of California,

1 County of Los Angeles.

2 2. The true names and capacities, whether individual, corporate, associate or
3 otherwise, of defendants, Does 1 through 20, inclusive, are unknown to plaintiff, who therefore
4 sues said defendants by such fictitious names. Plaintiff is informed and believes, and thereon
5 alleges, that each of the defendants designated herein as a Doe is legally responsible in some
6 manner for the events and happenings herein referred to, and legally caused injury and damages
7 thereby to plaintiff as herein alleged.

8 3. Plaintiff is informed and believes, and thereon alleges, that at all times herein
9 mentioned, defendants, and each of them, were the agents, servants and employees of each of the
10 other defendants, and in doing the things hereinafter alleged, were acting within the scope of their
11 authority as such agents, servants and employees, and with the permission and consent of their co-
12 defendants.

13 4. Defendants Ford and Does 1 through 5, inclusive, and each of them, are designers,
14 sellers, distributors and manufacturers of motor vehicles, and as such designed, distributed and
15 manufactured the motor vehicle described herein.

16 5. Defendants Star and Does 6 through 10, inclusive, are or were authorized dealers
17 and service centers of motor vehicles designed, distributed and manufactured by Ford and Does 1
18 through 5, inclusive.

19 6. On or about February 19, 2005, plaintiff purchased a new 2005 Lincoln Navigator,
20 Vehicle Identification Number 5LMFU27525LJ14740 ("the vehicle"), from Star by a written retail
21 installment sale contract ("the agreement"), a reduced-size copy of which is attached hereto as
22 Exhibit "1" and incorporated by reference. Plaintiff purchased the vehicle for use, and used the
23 vehicle, primarily for personal, family or household purposes.

24 7. At the sales office of Star located in Glendale, Los Angeles County, California,
25 within one week prior to the of the vehicle, and in various newspapers, and in several magazines,
26 the precise names and dates of publication of which are not recalled, but which included the Los
27 Angeles Times, plaintiff read various sales literature published by Ford and Does 1 through 5,
28 inclusive. Said literature was authorized and approved by and through those defendants' presently

1 unknown-to-plaintiff authorized managerial employees, Does 11 through 15, inclusive. Said
2 literature was intended to induce plaintiff and other members of the public to purchase or lease the
3 vehicle, and other similar vehicles, through warranties made therein. Plaintiff does not have a
4 copy, but said literature warranted in substance that each of the following alleged facts was true:

5 (a) That the design and manufacture of the vehicle were such that the
6 transmission, supplemental restraint system, the systems and components relating thereto, and all
7 other systems and components, would operate as designed and in a merchantable manner;

8 (b) That Ford-authorized dealers had specially trained, competent mechanics
9 who could and would promptly repair any defects in the vehicle.

10 8. In addition to the warranties set forth above, defendants Ford and Does 1 through 5,
11 and each of them, through their written manufacturer's warranty, warranted in writing, in
12 substance and as pertinent herein, that they would cause to be repaired all defects and malfunctions
13 in the entire vehicle for the first 4 years or 50,000 miles, whichever ever came first. The herein-
14 described complained of nonconformities were all covered by said warranty for all times described
15 herein.

16 9. Plaintiff justifiably relied upon the aforesaid warranties, and based thereon,
17 purchased the vehicle as hereinabove alleged. But for the aforesaid warranties, plaintiff would not
18 have purchased the vehicle.

19 10. Defendants, and each of them, in making the warranties referred to above, intended
20 to induce persons, such as and including plaintiff, to rely upon same as true.

21 11. Since plaintiff purchased the vehicle, and during the warranty period, plaintiff
22 experienced severe, continuing and recurring defects and nonconformities in the vehicle, in that
23 the vehicle continually and unpredictably has suffered from malfunctions of the transmission,
24 malfunctions of the air bag system, and other defects and malfunctions, referred to hereafter
25 collectively as "the nonconformity". Plaintiff is informed and believes, and thereon alleges, that
26 the nonconformity is a direct and proximate result of ineffective design and/or manufacture of the
27 vehicle.

28 12. Since plaintiff took possession of the vehicle, during the warranty period, and as a

1 result of the nonconformity, plaintiff was required to present the vehicle to defendants' authorized
2 repair facilities for repair of the nonconformity on three or more occasions. During said repair
3 attempts, defendants and their authorized repair facilities, and each of them, ineffectively and
4 unsuccessfully purported to correct the nonconformity, and the nonconformity continued during
5 the entire period and to the present time.

6 13. On April 27, 2007, plaintiff by plaintiff's attorney notified defendants, and each of
7 them, in writing in substance that plaintiff had revoked acceptance of the vehicle and had
8 rescinded the agreement whereby plaintiff agreed to purchase the vehicle. In said notice, plaintiff
9 notified defendants that plaintiff wished to return the vehicle to defendants and to receive a refund
10 of the purchase price and for plaintiff's related damages and attorney's fees. Defendants, and each
11 of them, have refused in writing to honor plaintiff's demands. Accordingly, the vehicle remains in
12 plaintiff's possession.

13 14. The express warranties described above were part of the basis of the bargain
14 whereby plaintiff agreed to the vehicle.

15 15. Said express warranty purports to exclude liability for incidental and consequential
16 damages, and purports to limit liability only to repairs and needed adjustments during the duration
17 of the written warranty. This limitation operates to deprive plaintiff of the benefit of the bargain,
18 and is unconscionable and void, because (a) it is in violation of the laws of the State of California,
19 (b) same was not bargained for by plaintiff before the vehicle was purchased, (c) defendants, and
20 each of them, have repudiated their warranty and may not rely on any limitation contained therein,
21 and (d) the purported limitations have failed of their substantial purpose and may not be enforced.

22 16. The above described actions constitute breaches by defendants, Ford and Does 1
23 through 5, and each of them, of statutory duty and of express warranties within the meaning of
24 §1790, et seq. of the California Civil Code, the Song-Beverly Consumer Warranty Act. Plaintiff is
25 a person to whom such warranties run.

26 17. As a direct and proximate result of defendants' breaches of express warranty and of
27 statutory duty, as aforesaid, plaintiff has been damaged as follows:

28 (a) For the total purchase price of the vehicle (including all applicable fees and

1 charges thereon) in the amount of \$59,137.80;

2 (b) Plaintiff has sustained, and continues to sustain, additional damages, the
3 amount of which has not yet been fully ascertained, for loss of time and loss of earnings and
4 earning capacity, for the reasonable cost of garaging and storing the vehicle since plaintiff's
5 aforesaid offer to return same was refused, as aforesaid, for additional license fees on the vehicle,
6 for comprehensive insurance on the vehicle, for rental car expense, according to proof, for
7 plaintiff's loss of needs, for the additional cost required to purchase or lease an equivalent
8 substitute vehicle, and for additional unascertained general and special damages. Plaintiff will
9 amend the complaint to state the nature and amount of said damages when ascertained, according
10 to proof, which damages are not less than \$10,000.00.

11 18. Plaintiff, in addition to the above-mentioned damages, also is entitled to plaintiff's
12 reasonable attorneys' fees incurred in connection with the commencement and prosecution of this
13 action, pursuant to §1794 of said Act according to proof, but not less than \$7,500.00.

14 19. Plaintiff is informed and believes, and thereon alleges, that defendants, and each of
15 them, (a) knew that the vehicle contained the nonconformity mentioned above when
16 manufactured, and that Ford's dealerships would not repair, or were incapable of repairing the
17 nonconformity; (b) did not take reasonable steps to attempt to discover the cause of the
18 nonconformity; (c) knew that any "repairs" to the vehicle would be, and in fact had been,
19 ineffective; and (d) failed to take adequate or reasonable steps to monitor the warranty repair
20 history of the vehicle to know that it had an affirmative duty to offer to plaintiff plaintiff's choice
21 of restitution or replacement. Said defendants, and each of them, acted in disregard of plaintiff's
22 reliance on their express warranties, as mentioned above, to the effect that they would preserve and
23 maintain the merchantability, utility and performance of the vehicle, and further failed and refused
24 to offer plaintiff the choice of restitution or replacement knowing that they had the duty to do so,
25 all in violation of said Song-Beverly Consumer Warranty Act.

26 20. As a proximate result of defendants' violation of said Song-Beverly Consumer
27 Warranty Act, which violation was willful for the reasons stated in paragraph 19, above, pursuant
28 to Civil Code §1794, subdivisions (c), plaintiff is entitled to judgment in the amount of the actual

1 damages set forth in paragraph 17, above, together with an additional amount equal to two (2)
2 times said actual damages, or according to proof at the time of trial.

3 21. Plaintiff has fully performed all things on plaintiff's part to be performed, except
4 where performance has been excused by reason of defendants' breaches as aforesaid.

5
6 **SECOND CAUSE OF ACTION**

7 **(BREACH OF IMPLIED WARRANTY: C. C. §1790, ET. SEQ.)**

8 **(AGAINST ALL DEFENDANTS)**

9
10 22. Plaintiff incorporates by reference paragraphs 1 through 6, inclusive, and paragraph
11 8, of the first cause of action.

12 23. Defendants Ford, Star, and Does 1 through 10, and each of them, by reason of the
13 aforesaid purchase and said express warranties, and by reason of sections 1791.1 and 1792 of the
14 Civil Code, impliedly warranted to plaintiff that the subject vehicle was merchantable. Said
15 implied warranty has a duration of one (1) year from the date of purchase of the vehicle by
16 plaintiff.

17 24. Defendants, and each of them, intended to induce persons, such as and including
18 plaintiff, to rely upon said implied warranty of merchantability.

19 25. During the first one (1) year after plaintiff purchased the vehicle, and during the
20 warranty period, plaintiff experienced severe, continuing and recurring defects and
21 nonconformities in the vehicle, in that the vehicle continually and unpredictably has suffered from
22 malfunctions of the transmission, malfunctions of the air bag system, and other defects and
23 malfunctions, referred to hereafter collectively as "the nonconformity". The nonconformity
24 occurred within the period of said implied warranty and was never corrected.

25 26. Because of the nonconformity, the vehicle was not, and never has been, able to pass
26 without objection in the automotive trade under the description thereof contained in the agreement,
27 and has never been suitable for the ordinary purposes for which such vehicles are used. The
28 above-described actions and facts constitute breaches by defendants, and each of them, of the

1 aforesaid implied warranty of merchantability imposed upon the defendants by Civil Code §1792.

2 27. On April 27, 2007, plaintiff by plaintiff's attorney notified defendants, and each of
3 them, in writing in substance that plaintiff had revoked acceptance of the vehicle and had
4 rescinded the agreement whereby plaintiff agreed to purchase the vehicle. In said notice, plaintiff
5 notified defendants that plaintiff wished to return the vehicle to defendants and to receive a refund
6 of the purchase price and for plaintiff's related damages and attorney's fees. Defendants, and each
7 of them, have refused in writing to honor plaintiff's demands. Accordingly, the vehicle remains in
8 plaintiff's possession.

9 28. As a direct and proximate result of defendants' breaches of the implied warranty of
10 merchantability, as aforesaid, plaintiff has been damaged as follows:

11 (a) For the total purchase price of the vehicle (including all applicable fees and
12 charges thereon) in the amount of \$59,137.80;

13 (b) Plaintiff has sustained, and continues to sustain, additional damages, the
14 amount of which has not yet been fully ascertained, for loss of time and loss of earnings and
15 earning capacity, for the reasonable cost of garaging and storing the vehicle since plaintiff's
16 aforesaid offer to return same was refused, as aforesaid, for additional license fees on the vehicle,
17 for comprehensive insurance on the vehicle, for rental car expense, according to proof, for
18 plaintiff's loss of needs, for the additional cost required to purchase or lease an equivalent
19 substitute vehicle, and for additional unascertained general and special damages. Plaintiff will
20 amend the complaint to state the nature and amount of said damages when ascertained, according
21 to proof, which damages are not less than \$10,000.00.

22 29. Plaintiff, in addition to the above-mentioned damages, also is entitled to plaintiff's
23 reasonable attorneys' fees incurred in connection with the commencement and prosecution of this
24 action, pursuant to §§ 1791.1(d) and 1794 of said Act according to proof, but not less than
25 \$7,500.00.

26 30. Plaintiff has fully performed all things on plaintiff's part to be performed, except
27 where performance has been excused by reason of defendants' breaches as aforesaid.
28

1 **WHEREFORE**, plaintiff prays for judgment against defendants as follows:

2
3 **On the First Cause of Action Against Defendants Ford Motor Company and Does 1**
4 **through 5:**

5
6 1. For damages due to vehicle nonconformity of not less than \$59,137.80, according
7 to proof, and for interest thereon at the legal rate from December 20, 2005;

8 2. For additional damages due to loss of earnings and earning capacity, for rental car
9 expense, for storage of the vehicle, for collision and comprehensive insurance paid, for plaintiff's
10 loss of needs, for additional cost to purchase or lease an equivalent replacement vehicle, and for
11 additional general and special damages, according to proof, but not less than \$10,000.00;

12 3. For an additional amount equal to two (2) times said
13 actual damages prayed for in paragraphs 1 and 2 of this prayer;

14
15 **On the Second Cause of Action Against All Defendants:**

16
17 4. For damages due to vehicle nonconformity of not less than \$59,137.80, according
18 to proof, and for interest thereon at the legal rate from September 19, 2005;

19 5. For additional damages due to loss of earnings and earning capacity, for rental car
20 expense, for storage of the vehicle, for collision and comprehensive insurance paid, for plaintiff's
21 loss of needs, for additional cost to purchase or lease an equivalent replacement vehicle, and for
22 additional general and special damages, according to proof, but not less than \$10,000.00;

23
24 **On Each Cause of action Against All Defendants:**

25
26 6. For plaintiff's attorneys' fees incurred herein, according to proof, but not less than
27 \$7,500.00;

28 7. For costs of suit incurred herein; and

1 8. For such other and further relief as the court deems just and proper.

2
3 **DATED:** May 14, 2007.

4 **LAW OFFICES OF ALAN R. GOLDEN**

5
6 Original Signed by
7 *Alan R. Golden*

8 By _____
9 **Alan R. Golden**
10 Attorney for plaintiff Mkrtich M. Tamrazyan