

ENGINEERING MEMO #397

TO: Memo Distribution

FROM: R. Van Niman & R. E. Orwig

SUBJECT: REVISIONS REQUIRED TO COMPLY WITH FMVSS PART 581 -  
BUMPER STANDARD ON VEHICLES MANUFACTURED ON OR AFTER  
SEPTEMBER 1, 1979. (AFFECTS ALL MODELS)

In order for our vehicles to comply with the latest requirements for vehicle bumper standards, certain design changes will be made to the chassis frame and both front & rear bumper installation components.

Stock status of current design parts to be replaced should be controlled to minimize obsolescence. Service requirements should also be considered on final production runs.

**PRODUCTION DEPARTMENT ADVISORY NOTE:**

Production scheduling should plan on this "total change" by no later than August 15, 1979. Engineering releases for all new parts will be issued early to allow plenty of lead time for new tooling requirements.

Following is a preliminary list of parts affected:

(A) This Memo incorporated at Chassis #93625

REVISIONS			
DATE	ITEM REV & PAGE NO.	DATE	ITEM REV & PAGE NO.
2-1-79	Items 1 thru 78 added.		
2-14-79	REV. P. 2 REV. P. 3 REV. P. 4		
4-23-79	(79-82) Added		
5-15-79	(83) Added		
5-16-79	REV. P.4		
6-11-79	Items(84,85) Added		
8-2-79	Items(86,87) Added		
8-8-79	Item (88) Added		
8-24-79	Rev P.4 Item (89) Added		

ENGINEERING MEMO # 397 (Cont'd)

ITEM	NAME	B or M	OLD PART NUMBER	NEW PART NUMBER	INT NEW FOR OLD	AVAIL AFTER CHG	REMARKS
1	Bar Asm-Bumper	M	705477 705478	707258	NO	NO	Serv if Any
2	Brkt Asm-Bumper Mt Frt	M	705311	- - -	NO	NO	Service
3	Brkt-Bumper Mt Frt	M	706399	- - -	NO	NO	Serv or Scrap
4	Reinf-Bpr Mt Brkt Frt	M	706398	- - -	NO	NO	Serv or Scrap
5	Energy Absorber Asm-Bumper	B	705513	707174	NO	NO	Service
6	Bolt-7/16-14x1-1/4 Hex Hd	B	180147	- - -	---	----	Decrease Usage
7	Nut-7/16-14 Spl Crown Lock	B	626868	- - -	---	----	Decrease Usage
8	Lockwasher-7/16 Int & Ext Tooth	B	178571	- - -	---	----	Use or Scrap
9	Pnl Asm-SightShield-Frt- Painted	B	653386	- - -	NO	NO	Serv or Scrap
10	Pnl Asm-Sight Shield Frt	M	653149	- - -	NO	NO	Serv or Scrap
11	Pnl-Sight Shield	M	646902	- - -	NO	NO	Serv or Scrap
12	Brkt-Sight Shield Mt	M	646901	- - -	NO	NO	Serv or Scrap
13	Gasket-Sight Shield	B	646878	- - -	NO	NO	Serv or Scrap
14	Rivet-3/16 Dia SD-66-BS POP	B	626642	---	---	----	Decrease Usage
15	Brkt Asm-E/A Mt Frt	M	705111	- - -	NO	NO	Serv or Scrap
16	Brkt Energy/A Mt Frt	M	706230	- - -	NO	NO	Serv or Scrap
A 17							
18	Brkt Asm-E/A Mt Rr	M	705112	- - -	NO	NO	Serv or Scrap
19	Brkt-E/A Mt Rr	M	706235	- - -	NO	NO	Serv or Scrap
20	Reinf-E/A Mt Brkt Rr	M	706236	- - -	NO	NO	Serv or Scrap
21	Bolt-3/8-24x1 Hex Hd 280M	B	181637	- - -	---	----	Decrease Usage
22	Lockwasher-3/8 Med Spr	B	120382	- - -	---	----	Decrease Usage
23	Washer-3/8x7/8 Plain	B	446363	- - -	---	----	Decrease Usage
24	Lockwasher-3/8 Int Ext Tooth	B	178551	- - -	---	----	Decrease Usage
25	Washer-7/16x1 Plain	B	120388	- - -	---	----	Decrease Usage
26	Brkt Asm-Rr Bpr Mt LH	M	705329	- - -	NO	NO	Serv or Scrap
27	Brkt-Bpr Mt Rr LH	M	706409	- - -	NO	NO	Serv or Scrap
28	Reinf-Bpr Mt Brkt Rr	M	706405	- - -	NO	NO	Serv or Scrap
29	Brkt Asm-Rr Bpr Mt RH	M	705330	- - -	NO	NO	Serv or Scrap
30	Brkt-Bpr Mt Rr RH	M	706410	- - -	NO	NO	Serv or Scrap

ENGINEERING MEMO # 397 (Cont'd)

ITEM	NAME	B or M	OLD PART NUMBER	NEW PART NUMBER	INT NEW FOR OLD	AVAIL AFTER CHG	REMARKS
31	Pnl Asm-Sight Shield Rr- Painted	B	653387	- - -	NO	NO	Serv or Scrap
32	Pnl Asm-Sight Shield Rr	M	653150	- - -	NO	NO	Serv or Scrap
33	Plate Asm-Bpr Mt	M	- - -	707168	---	----	New Part
34	Plate-Bpr Mt	M	- - -	708260	---	----	New Part
35	Clamp/Asm-Bpr Mt Inner	M	- - -	707167	---	----	New Part
36	Clamp-Bpr Mt Inner	M	- - -	708259	---	----	New Part
37	Nut-Proj Weld 7/16-20	B	- - -	9417115	---	----	New Part
38	Cotter Pin-1/8x3/4	B	- - -	177923	---	----	New Part
39	Clamp-Bpr Mt Outer	M	- - -	708258	---	----	New Part
40	Lockwasher-7/16 Reg Hel Spr	B	120383	- - -	---	----	Increase Usage
41	Bolt-7/16-20x2-1/4 Hex Hd 300M	B	9428643	- - -	---	----	Increase Usage
42	Bushing-E/A Stud	M	- - -	708268	---	----	New Part
43	Nut-M8 (1.25)Hex	B	- - -	1501059	---	----	New Part
44	Lockwasher-M8 Hel Spr	B	- - -	1500221	---	----	New Part
45	Bolt-M8(1.25)Hex Hd(300M)	B	- - -	1500917	---	----	New Part
46	Nut-M8(1.25)Hex Flanged	B	- - -	1501889	---	----	New Part
47	Frame Asm-Comp1	M	707042	707260	NO	NO	If Any Rework
48	Frame Asm-Comp1 Basic	M	707041	707261	NO	NO	If Any Rework
49	Frame Asm-Comp1(129WB Basic)	M	707047	707262	NO	NO	If Any Rework
50	Frame Sub Asm-129WB	M	707048	707263	NO	NO	If Any Rework
51	Frm Asm-Comp1(Fwd Strg) (Frt Bat)	M	707051	707264	NO	NO	If Any Rework
52	Fram Asm-Comp1(Fwd Strg) (Rear Bat)	M	707050	707265	NO	NO	If Any Rework
A 53	Rail Asm-Frm Side LH	M	707035	CHG A & B	YES	YES	USE-REWORK AS REQ'D
A 54	Rail-Frm Side LH	B	708141	chg B,C,D	YES	YES	USE-REWORK AS REQ'D
A 55	Nut-3/8-24 Weld	B	626496	- - -	---	----	Decrease Usage
A 56	Reinf Asm-Frm Side Rail LH	M	707039	Chg E	YES	YES	USE W/O OBS
57	Reinf-Frm Side Rail Frt Mod	M	708149	Chg A	YES	YES	USE W/O OBS
A 58	Reinf-Frm Side Rail Frt LH	B	708139	Chg D	YES	YES	USE W/O OBS

(A) 2-14-79  
 (B) 5-16-79  
 (C) 8-24-79

## ENGINEERING MEMO # 397 (Cont'd)

ITEM	NAME	B or M	OLD PART NUMBER	NEW PART NUMBER	INT NEW FOR OLD	AVAIL AFTER CHG	REMARKS
A 59	Rail Asm-Frm Side RH	M	707036	chg <sub>a,b</sub>	YES	YES	Use-rework
A 60	Rail-Frm Side RH	B	708142	chg <sub>c,d</sub>	YES	YES	USE-REWORK
A 61	Reinf Asm-Frm Side Rail RH	M	707040	CHG E	YES	YES	USE W/O OBS
A 62	Reinf-Frm Side Rail Frt Mod	M	708150	Chg A	YES	YES	USE W/O OBS
A 63	Reinf-Frm Side Rail Frt RH	B	708140	Chg D	YES	YES	USE W/O OBS
A 64	Crossmember Asm-Frm Rr	M	705819	Chg C	YES	YES	USE W/O OBS
A 65	Crossmember-Frm Rr	M	708013	Chg F	YES	YES	USE W/O OBS
66	Supt Asm-E/A Frt Frm Plt	M	- - -	707254	---	----	New Part
67	Supt-E/A Frt Frm Plt	M	- - -	708346	---	----	New Part
68	Rib-E/A Supt Frm	M	- - -	708348	---	----	New Part
69	Supt Asm-E/A Frt Frm	M	- - -	707253	---	----	New Part
70	Supt-E/A Frt Frm	M	- - -	708347	---	----	New Part
B 71	<del>Nut-M8-6H Weld</del>	B		<del>626949</del>			<del>New Part</del> Cancelled
72	Brkt-E/A Stud Frm Frt	M	- - -	708271	---	----	New Part
73	Supt Asm-E/A Rr Frm LH	M	- - -	707171	---	----	New Part
74	Supt-E/A Rr Frm LH	M	- - -	708269	---	----	New Part
75	Rib-E/A Supt Frm Rr	M	- - -	708267	---	----	New Part
76	Supt Asm-E/A Rr Frm RH	M	- - -	707172	---	----	New Part
77	Supt-E/A Rr Frm RH	M	- - -	708270	---	----	New Part
78	Brkt-E/A Stud Frm Rear	M	- - -	708272	---	----	New Part
79	Boot-Energy Absorber	B	- - -	648258	---	----	New Part
80	Section-Splash Ext	Ref	- - -	648233	---	----	New Part
81	Pnl-Splash Ext-Rr	B	- - -	648260	---	----	New Part
82	Pnl-Splash Ext-Frt	B	- - -	648259	---	----	New Part
83	Nut-M8x1½ Type A Sq ProjWeld	B	11500139	- - -	---	----	Increase Usage
C 84	Ext & Pnl Asm-Frt Splash	M	653184	653464	YES	NO	Use W/O Obs
85	Ext Asm-Rr Splash	M	- - -	653465	----	----	New Part
86	Frame Asm-Comp1(NYC Taxi Spl)	M	707305	707382	NO	NO	If Any Rework
87	Frame Asm-Comp1(NYC Taxi Bas)	(c)M	707271	707396	NO	NO	If Any Rework
88	Extension-Frt Splash	B	646946	- - -	-	-	Use W/O Obs
89	Bostitch Wire#18(.0475)Stnls Stl	B	MM-113	- - -	-	-	Increase Usage