

February 17, 1978

ENGINEERING MEMO #393

TO: Memo Distribution
FROM: R. E. Orwig
SUBJECT: CARBURETOR ACCELERATOR REDESIGN FROM ~~LINKAGE~~ TO CABLE CONTROL (Effective Approximately October 1, 1978)

As a product improvement, starting with our 1979 model year, all models will have a CABLE ACCELERATOR CONTROL SYSTEM in place of the current LINKAGE TYPE SYSTEM.

This constitutes a "complete" change from the foot accelerator pedal to the carburetor lever and NOTHING will be interchangeable. Consequently, very close attention must be given to the items listed with this memo in order to minimize obsolescence in production. However, service requirements must be provided for on all of the cancelled linkage type components.

The body areas affected by this change are: Front Floor Pan, Floor Pan Front Crossmember Asm., Dash Panel, Dash Liner Asm., Front Floor Mat Asm. and the Instrument Dash Wiring Harness.

To help in the processing of this change, the items affected are listed in three groups as follows:

Group #1, consists of the current linkage parts which are to be cancelled.

Group #2, consists of the new cable control requirements.

Group #3, consists of the body parts affected which consists mainly of engineering changes to existing parts.

REVISIONS			
DATE	ITEM REV & PAGE NO.	DATE	ITEM REV & PAGE NO.
3-10-78	Rev: P.3 Rev: P.4 Rev: P.5 (35) added P.6 (11-17) added P.7		
4-13-78	REV: P.5		
6-2-78	(18)ADDED P.7		
6-6-78	(19-20) Added P.7		
7-3-78.	REV: P.6 (36-39) Added P.6		
7-13-78	(40-42) Added P.6		
8-18-78	(Rev P.5 (43,44) added P.6		
8-23-78	Rev P.5		
9-26-78	Rev. P.7		

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GROUP 1: CURRENT LINKAGE PARTS - CANCELLED

ITEM	NAME	B O T T O M	OLD PART NUMBER	NEW PART NUMBER	INT NEW FOR OLD	AVAIL AFTER CHG	REMARKS
1	PED & PLT ASM-ACCEL	M	95133	- - -	-	YES	SERVICE
2	PED ASM-ACCEL	B	95130	- - -	-	YES	SERVICE
3	PLT ASM-ACCEL PED HGE	B	95134	- - -	-	YES	SERVICE
4	PLT-ACCEL PED HGE	M	94569	- - -	-	YES	SERVICE
5	PIN-ACCEL PED HGE	B	94564	- - -	-	YES	SERVICE
6	SCR-1/4-20x2 FL HD	B	156351	- - -	-	YES	REDUCE USAGE
7	ROD-ACCEL PED	B	702122	- - -	-	YES	SERVICE
8	BOOT-ACCEL ROD	B	638192	- - -	-	YES	SERVICE
9	CONT ASM-THROT (L6)	M	705582	- - - -	-	YES	SERVICE
10	CONT ASM-THROT (V8)	M	701154	- - -	-	YES	SERVICE
11	BRKT-THROT CONT SHAFT	M	702126	- - -	-	YES	SERV OR SCRAP
12	LVR-THROT CONT SHF-OTR	M	702128	- - -	-	YES	SERV OR SCRAP
13	LVR-THROT CONT SHF-INR	M	706684	- - -	-	YES	SERV OR SCRAP
14	LVR-THROT CONT SHF-INR	M	702344	- - -	-	YES	SERV OR SCRAP
15	SHAFT-THROT CONT(FINISHED)	B	706499	- - -	-	YES	SERV OR SCRAP
16	SHAFT-THROT CONT	M	702123	- - -	-	YES	SERV OR SCRAP
17	BOLT-1/4-20x3-3/4 HEX HD	B	432982	- - -	-	YES	SERV OR SCRAP
18	BUSHING-THROT CONT SHF	B	702838	- - -	-	YES	SERV OR SCRAP
19	SPACER-THROT CONT SHF	B	702125	- - -	-	YES	SERV OR SCRAP
20	WASHER-9/32x5/8 PLAIN	B	120392	- - -	-	YES	REDUCE USAGE
21	NUT-1/4-20 ELASTIC STOP	B	98446	- - -	-	YES	REDUCE USAGE
22	CLIP-3/8 SINGLE TUBE	B	115270	- - -	-	YES	REDUCE USAGE
23	LOCKWASHER-1/4 MED SPR	B	120380	- - -	-	YES	REDUCE USAGE
24	NUT-1/4-20 HEX	B	120375	- - -	-	YES	REDUCE USAGE
25	ROD & CLEVIS ASM-THROT CONT	M	705583	- - -	-	YES	SERVICE

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GROUP 1: CURRENT LINKAGE PARTS - CANCELLED

ITEM	NAME	B or M	OLD PART NUMBER	NEW PART NUMBER	INT NEW FOR OLD	AVAIL AFTER CHG	REMARKS
26	ROD&TUBE ASM-CONT LVR TO B/C-FRT	M	705581	- - -	-	YES	SERV OR SCRAP
27	ROD-CONT LVR TO B/C-FRT	M	706685	- - -	-	YES	SERV OR SCRAP
28	TUBE-1/40D x.028 WALLx4"LG	M	94230	- - -	-	YES	SERV OR SCRAP
29	CLEVIS-#10 ADJUSTABLE	B	110322	- - -	-	YES	SERV OR SCRAP
30	NUT-#10-32 HEX	B	120614	- - -	-	YES	REDUCE USAGE
31	ROD-CONT LVR TO B/C-RR	M	706683	- - -	-	YES	SERV OR SCRAP
32	SPR-THROT OVER-TRAVEL	B	706707	- - -	-	YES	SERV OR SCRAP
33	PIN-3/16 CLEVIS	B	121547	- - -	-	YES	SERV OR SCRAP
34	ROD&TUBE ASM-CONT LVR TO B/C V8	M	705402	- - -	-	YES	SERV OR SCRAP
35	ROD-CONT LVR TO B/C-V8	M	706474	- - -	-	YES	SERV OR SCRAP
36	ROD-CONT LVR TO B/C(350 V8)	M	706475	- - -	-	YES	SERV OR SCRAP
37	ADAPTER-THROT LINK CARB V8	M	706679	- - -	-	YES	SERV OR SCRAP
(A) 38							
39	BRKT-THROT RET SPR (V8)	M	706681	- - -	-	YES	SERV OR SCRAP
40	SCR-5/16-18x1/2 SER HEX W/HD	B	273867	- - -	-	YES	REDUCE USAGE
41	BALL JOINT ASM	B	626925	- - -	-	YES	SERV OR SCRAP
42	WASHER-7/32x1/2 PLAIN	B	120391	- - -	-	YES	REDUCE USAGE
43	COTTERPIN-1/16 x 1/2	B	112726	- - -	-	YES	REDUCE USAGE
44	NUT-#10-32 NYLON INS HEX LK	B	9411893	- - -	-	YES	SERV OR SCRAP
45	BELLCRANK ASM-THROT CONT L6	M	703836	- - -	-	YES	SERV OR SCRAP
46	BELLCRANK-THROT CONT UPR L6	M	704901	- - -	-	YES	SERV OR SCRAP
47	BELLCRANK-THROT CONT LWR L6	M	702131	- - -	-	YES	SERV OR SCRAP
48	BEARING-THROT B/C	B	706518	- - -	-	YES	SERV OR SCRAP
49	SCR-5/16-18 SHOULDER	B	702210	- - -	-	YES	SERV OR SCRAP

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GROUP 1: CURRENT LINKAGE PARTS - CANCELLED

ITEM	NAME	B or M	OLD PART NUMBER	NEW PART NUMBER	INT NEW FOR OLD	AVAIL AFTER CHG	REMARKS
(A) 50	NUT-5/16-18 HEX JAM	B	124824	- - -	-	YES	REDUCE USAGE
51	ROD-B/C TO CARB (L6)	M	706678	- - -	-	YES	SERV OR SCRAP
52	SW & INSULATOR ASM-K/D	M	705517	- - -	-	YES	SERVICE
53	SW ASM-KICKDOWN	B	705516	- - -	-	YES	SERVICE
54	INSULATOR-WIRE PROTECTOR	M	704804	- - -	-	YES	SERV OR SCRAP
55	HARN RAP-1/4 OD CLEAR POLY-ETHYLENE	B	MC-108	= = =	-	YES	SERV OR SCRAP
56	NUT-9/16-18 HEX JAM	B	124939	- - -	-	YES	SERV OR SCRAP
57	NUT-9/16-18 REG TYPE LOCK	B	702397	- - -	-	YES	SERV OR SCRAP
(A)58	HARN ASM-MAIN ENGINE	B	705984	705996	YES	YES	SERVICE

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GROUP 2: NEW CABLE CONTROL PARTS & ADDITIONAL REQUIREMENTS

ITEM	NAME	B or M	OLD PART NUMBER	NEW PART NUMBER	INT NEW FOR OLD	AVAIL AFTER CHG	REMARKS
1	PEDAL-ACCELERATOR	B	- - -	708037	-	-	NEW PART
2	LEVER ASM-ACCEL PED	B	- - -	707071	-	-	NEW PART
3	SPRING-ACCEL PED	B	- - -	706552	-	-	NEW PART
4	NUT-PUSH-ON	B	- - -	708185	-	-	NEW PART
5	SUPT ASM-ACCEL PED	M	- - -	707092	-	-	NEW PART
6	PLATE ASM-ACCEL PED MT BOLT	M	- - -	707093	-	-	NEW PART
7	PLATE-ACCEL PED MT BOLT	M	- - -	708204	-	-	NEW PART
8	BOLT-5/16-18x7/8 WELD	B	- - -	708205	-	-	NEW PART
9	BOLT-1/4-20x1-3/4 WELD	B	- - -	708206	-	-	NEW PART
10	NUT-5/16-18 HEX	B	- - -	120376	-	-	INCREASE USAGE
11	SUPT-ACCEL PED ROD	B	- - -	706555	-	-	NEW PART
12	REINF ASM-ACCEL PED SUPT	M	- - -	707090	-	-	NEW PART
13	REINF-ACCEL PED ROD SUPT-MOD	M	- - -	708202	-	-	NEW PART
14	REINF-ACCEL PED ROD SUPT	B	- - -	708186	-	-	NEW PART
(B)15	BRKT-ACCEL CABLE HSG	M	708201	708232	-	-	NEVER USED IN PRODUCTION
(A)16	RIVET-3/16x1/4 P.H. SOLID	B	- - -	274437	-	-	NEW PART CANCELLED
17	LOCKWASHER-1/4 MED SPR	B	- - -	120380	-	-	INCREASE USAGE
18	NUT-1/4-20 HEX	B	- - -	120375	-	-	INCREASE USAGE
(D)19	CABLE ASM-ACCEL CONT(16.50)	B	- - -	707072	-	-	NEW PART Cancelled
(C)20	CABLE ASM-ACCEL CONT(14.50)	B	- - -	707073	-	-	NEW PART Cancelled
21	GROMMET-3/8x1x1-1/4x1/4	B	- - -	702361	-	-	INCREASE USAGE
(A)22	FASTENER-THROTTLE LINKAGE	B	- - -	706682	-	-	INCREASE USAGE
23	SWITCH ASM-KICKDOWN	B	- - -	705482	-	-	NEW PART
24	SCR-1/4-20 HEX W/H TAP x 3/8	B	- - -	273306	-	-	NEW PART
25	LEVER ASM-CARB ROD	B	- - -	707074	-	-	NEW PART (FURN IN ACC KIT)

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GROUP 2: NEW CABLE CONTROL PARTS & ADDITIONAL REQUIREMENTS.

ITEM	NAME	B or M	OLD PART NUMBER	NEW PART NUMBER	INT NEW FOR OLD	AVAIL AFTER CHG	REMARKS
26	STUD-CARB ROD LVR	B	- - -	708187	-	-	NEW PART (FURN IN ACC KIT)
27	RETAINER-CARB ROD LVR	B	- - -	708188	-	⊕	NEW PART (FURN IN ACC KIT)
28	ROD-LVR TO CARB	B	- - -	708189	-	-	NEW PART (FURN IN ACCKIT)
29	RETAINER-CARB END	B	- - -	708154	-	-	NEW PART (FURN IN ACC KIT)
30	CLIP-ROD	B	- - -	708190	-	-	NEW PART (FURN IN ACC KIT)
(A)31	SUPT-ACCEL CABLE (L6)	B	- - -	708191	-	-	NEW PART (FURN IN ACC KIT) CANCELLED
32	LOCKWASHER-5/16 MED	B	- - -	120214	-	-	INCREASE USAGE
33	NUT-5/16-24 HEX	B	- - -	120368	-	-	INCREASE USAGE
34	SUPT-ACCEL CABLE (350 V8)	B	- - -	707075	-	-	NEW PART
35	RIVET-3/16 DIA x 1/4 LG x 5/16 DIA OVAL HD TUBULAR	B	626499	- - -	-	-	INCREASE USAGE
36	SUPT-ACCEL CABLE	F	708191	708251	NO	NO	NONE
37	SUPT-ACCEL CABLE	M	- - -	708252	-	-	NEW PART
38	SUPT ASM-ACCEL CABLE	M	- - -	707162	-	-	NEW PART
39	PIN-ACCEL CABLE SUPT	B	- - -	708253	-	-	NEW PART
40	BOLT-3/8-16x2-1/2 HEX HD (GM280M)	B	180134	- - -	-	-	REINSTATE
41	LOCKWASHER-3/8 MED SPR	B	120382	- - -	-	-	INCREASE USAGE
42	NUT-3/8-16 HEX	B	120377	- - -	-	-	INCREASE USAGE
43	WASHER 7/16x1-3/8 PLAIN	B	446477	- - -	-	-	INCREASE USAGE
44	CABLE ASM-ACCEL CONT	B	707073	707224	NO	NO	NEVER USED IN PRODUCTION

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GROUP 3: BODY PARTS AFFECTED

ITEM	NAME	B or M	OLD PART NUMBER	NEW PART NUMBER	INT NEW FOR OLD	AVAIL AFTER CHG	REMARKS
1	PAN-FRT FLOOR	M	646994	Chg D & E	YES	YES	REWORK
2	MBR-FLR PAN FRT CROSS	M	644303	Chg A	YES	YES	Use W/O Obs
3	Mbr A-Flr Pan Frt Cross	M	645425	Chg B	YES	NO	Use W/O Obs
4	Mbr & Nut A-Flr Pan Frt Cross	M	645426	- - -	-	NO	Use W/O Obs
(A) 5	Mat A-Frt Flr Rubber	B	651648	653350	NO	NO	Serv or Scrap
6	Mat A-Frt Flr-Rearward Strg	M	653298	Chg B	NO	YES	Serv or Scrap
7	Mat A-Frt Flr-Fwd Strg	M	653299	Chg A	NO	YES	Serv or Scrap
8	Liner Asm-Dash	B	645966	Chg K	NO	NO	Rework
9	Panel-Dash	M	646026	Chg T	NO	NO	Rework
10	Nut-1/4-20 Type C Clinch	B	127527	- - -	-	YES	Reduce Usage
11	Deadener-Floor Pan	B	644521	Chg C			Use W/O Obs
12	Harness Asm-Inst Dash Wiring	B	653135	Chg E	YES	NO	Rework if Req'd
13	U/B Asm-Cab RSF	M	647843	Chg E			Rework
14	U/B Asm-Cab W/Aux Sts	M	647842	Chg G			Rework
15	Plate & Bolt Asm-Throt Cont Brkt Mt	M	641799	- - -			Serv or Scrap
16	Plate-Throt Cont Brkt Mt	M	640579	- - -			Serv or Scrap
17	Bolt-1/4-20x5/8 Ohio Weld #HW-2110	B	626292	- - -			Reduce Usage
18	Pan Asm-Frt Flg Frt 129WB	M	645429	Chg F			Use
19	Duct & Clip Asm-Heater Air	M	643380	Chg A			Rework
20	Duct-Heater Air	B	640481	Chg E			Rework