

March 23, 1967

7-27-67 K Rev. Page (4) 6-26-67 H Rev. Page (4), (4A)
 8-31-67 L Rev. Page (3) 6-26-67 Page (4B)
 10-25-67 M Rev. Page (2) (2A) (4B) Added
 1-10-68 N Rev. Page (5) 7-19-67 J Rev. Page (4B)
 5-6-69 Effective Points Added
ENGINEERING MEMO. NO. #179

3-27-67 pages (3 & 4) Added
 3-28-67 A Rev. Page (1)
 4-11-67 B Rev. Page (2)
 4-14-67 C Rev. Page (4)
 4-14-67 Page (5) Added
 4-17-67 D Rev. Page (1) & (2)
 4-21-67 E Rev. Page (1)
 4-28-67 Page (2A) Added
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 6-2-67 F Rev. Page (3) & (4)
 6-14-67 G Rev. Page (2A), (4A)
 (3), (5)

TO: Memo Distribution

FROM: S. Hori

SUBJECT: CHANGE TO COLLAPSIBLE ENERGY ABSORBING STEERING COLUMN.

- D
1. A change will be made to adapt the Saginaw Energy Absorbing Steering Column to all Checker vehicles starting with Jan. 1, 1968 production.
 2. The following will be affected by this change.
 - a. Steering Column Assemblies and Steering Shaft Assembly.
 - b. Model A-12 (Passenger Car & Aerobus) Instrument Panel.
 - c. Brake Pedal and Pedal Supports.
 - d. Turn Signal Lever and Shifter Levers, Rods, Bushings, and Indicator Dials.
 - e. Wiring Harnesses.
 - f. Four way Emergency Warning Switch.
 - g. Steering Wheel Assemblies and Horn Contact Plate and Cancelling Cam.
 3. List of Body Parts to be affected.

NAME	B OR M	OLD PART NO.	NEW PART NO.	I	A	REMARKS
Panel A.-Inst.Lwr.Complete	M	643289	645257	NO	NO	Service or Scrap
Panel A.-Inst.Lwr.Comp.-Aero.	M	639990	643617	NO	NO	Service or Scrap
Panel A.-Inst.Lwr.Weld.	M	643290	645258	NO	NO	Service or Scrap
Panel A.-Inst.Lwr.Weld.-Aero.	M	639991	643618	NO	NO	Service or Scrap
Panel-Inst.Lwr.lh End	M	642689	644239	NO	NO	Service or Scrap
Panel-Inst.Lwr.lh End-Aero.	M	640889	644239	NO	NO	Service or Scrap
Reinf.-Inst.Lwr.Panel	M	640558	644241 644242	NO	YES	Service or Salvage
Panel A.Inst.Lower Comp.-Limo	M	643289	645283	NO	NO	Service or Scrap

Effective A-11, A-11E, A-12, A-12E, A-12W Chassis #80000
 Effective A-12W8 Chassis #9214

3. (Continued).

NAME	B OR M	OLD PART NO.	NEW PART NO.	I	A	REMARKS
Panel-Inst.Access.	M	- - -	644238	NO	YES	New Part
Panel-Inst.Access.-Aero.	M	- - -	644713	NO	YES	New Part
Gasket-Strg.Col.Opening	B	642690	644245	NO	YES	Service or Scrap
			644246			
Brkt.& Nut A.-Ped.Supt.	M	641514	- - -	NO	YES	Service or Scrap
Brkt.-Ped.Supt.to Instr.Pan.	M	640588	- - -	NO	YES	Service or Scrap
Nut-5/16-24 Midland Weld	B	94445	- - -	NO	YES	Reduce Usag
Nut-Retainer-1/4-20	B	626290	- - -	NO	YES	Reduce Usag
Screw-1/4-20 x 5/8 T.H.C.R.M.	B	189129	- - -	NO	YES	Reduce Usag
Washer-9/32 ID x 5/8 OD Plain	B	120392	- - -	NO	YES	Reduce Usag
Lockwasher-1/4 Med.Spr.	B	120380	- - -	NO	YES	Revise Usag
Bolt-5/16-24 x 3/4 Hex.Hd.	B	181595	- - -	NO	YES	Reduce Usag
Nut-#8 Tinn.#C-951-8A-4	B	626301	- - -	NO	YES	Increase Usage
Screw-#8-32 x 1/2 RHCR Type "C"	B	147671	- - -	NO	YES	Increase Usage
Plate-Strg.Col.Hole Cover LH	M	640581	644243	NO	NO	Service or Scrap
Plate-Strg.Col.Hole Cover RH	M	640582	644244	NO	NO	Service or Scrap
Sw. & Wrg.A.-Emerg.Warn.	B	643440	- - -	NO	YES	Service
M Nut - 1/4-20 Type "U"	B	626383	- - -	NO	YES	Reduce Usag
Screw-1/4-20 x 3/8 T.H.S.M.	B	137952	- - -	NO	YES	Reduce Usag
B Label-Wiper/Washer Control	B	-----	644210	NO	YES	New Part
B Label-Head Lamp Control	B	-----	644211	NO	YES	New Part
B Label-Choke Control	B	640965	644212	NO	YES	Service or Scrap
Bumper Rubber	B	622702	-----	NO	YES	Reduce Usag

3. (Continued)

	NAME	B OR M	OLD PART NO.	NEW PART NO.	I	A	REMARKS
	Gasket-Strg.Col.Hole Cover Plate	B	-----	644248	NO	YES	New Part
	Plate & Gask.A.-Strg.Col.Hole Cover-LH	M	-----	645295	NO	YES	New Part
	Plate & Gask.A.-Strg.Col.Hole Cover-RH	M	-----	645296	NO	YES	New Part
	Screw-#10 x 1/2 P.H.C.R. Tapp	B	161895	-----	NO	YES	Decrease Usage
M	Screw #14.14 x 1/2 P.H.C.R. Tapp	B	9411537	-----	NO	YES	Increase Usage
G	Panel - Cowl Top	M	640551	Chg.D,E	NO	YES	Rework
G	Panel Instr. Access (Sta.Wag.)	M	-----	644715	NO	YES	New Part

3. (Continued)

	NAME	B OR M	OLD PART NO.	NEW PART NO.	I	A	REMARKS
	Gasket-Strg.Col.Hole Cover Plate	B	-----	644248	NO	YES	New Part
	Plate & Gask.A.-Strg.Col.Hole Cover-LH	M	-----	645295	NO	YES	New Part
	Plate & Gask.A.-Strg.Col.Hole Cover-RH	M	-----	645296	NO	YES	New Part
	Screw-#10 x 1/2 P.H.C.R. Tapp	B	161895	-----	NO	YES	Decrease Usage
M	Screw #14.14 x 1/2 P.H.C.R. Tapp	B	9411537	9411537	NO	YES	Increase Usage
G	Panel - Cowl Top	M	640551	Chg.D,E	NO	YES	Rework
G	Panel - Instr. Access (Sta. Wdg.)	M	-----	644715	NO	YES	New Part

4. List of Chassis Parts to be Affected

	NAME	B OR M	OLD PART NO.	NEW PART NO.	I.	A.	REMARKS
	Strg.Wheel A.-Black	B	702691	704077	NO		Service
F	Strg.Wheel A.-Lt.Gray	B	702692	704077	NO		Service
F	Strg.Wheel A.-Green	B	702693	704077	NO		Service
F	Strg.Wheel A.-Brown	B	702694	704077	NO		Service
F	Strg.Wheel A.-Blue	B	702695	704077	NO		Service
F	Strg.Wheel A.-Red	B	702696	704077	NO		Service
	Shaft A.-Strg.Col.	B	701644	-----	NO	YES	Service
	Washer-Strg.Col.Shaft	M	702212	-----	NO	YES	Service or Scrap
F	Cam-Direc.Signal	B	702621	703022	NO	YES	Service or Scrap
F	Plate A.-Horn Contact	M	701705		NO	YES	Service or Scrap
F	Plate A.-Horn Contact	B	701704		NO	YES	Service or Scrap
F	Knob & Lever A.-Direc.Sig.	B	97443	703013	NO	YES	Service or Scrap
F	Knob-Direc.Sig.Hand Lever	Fn.	98432	Furn.		YES	Service
F	Lever-Direc.Sig.Hand	Fn.	98434	Furn.	NO	YES	Service or Scrap
	L/W #10 Ext. Tooth	B	138479	-----	NO	YES	Reduce Usage
	Screw-#10-32 x 1 3/8 Hex.HD.	B	438049	-----	NO	YES	Reduce Usage
	Sleeve-Strg.Col.Upper Brg.	B	94942	-----	NO	YES	Service or Scrap
	Spacer-Strg.Col.Spring	B	93181	-----	NO	YES	Service or Scrap
G	Gearshift A.-Floor Shift	B	701471	703001	NO	YES	Service
	Gearshift A.-Std.Trans.	B	701472	703002	NO	YES	Service
	Gearshift A.-Sgle.R.Auto.Trans.	B	701473	703003	NO	YES	Service
	Gearshift A.-Dual R.Auto.Trans.	B	701474	703003	NO	YES	Service
F	Lever A.-Gear Sel.Hand Auto	M	701518	703015	NO	Yes	Service
F	Lever A.-Gear Sel.Hand Std.	M	701476	703014	NO	YES	Service
	Lever-Gear Sel.Hand(D.R. Auto.)	M	702676	Furn.	NO	YES	Service
L	Spring-Turn Signal Cancel, Cam	B	96154	704188	NO	YES	Service

4. List of Chassis Parts Affected (Cont'd)

	NAME	B OR M	OLD PART NO.	NEW PART NO.	I.	A.	REMARKS
F	Lever-Gear Sel.Hand	B	702596	Furn.	NO	YES	Service
F	Knob-Gear Sel.Hand Lever	B	98435	Furn.	NO	YES	Service
	Grommet-Gear Sel.HD.Lever	B	92571	-----	NO	YES	Service or Scrap
F	Pin-Gearshift Hand Lever	B	702626	704123	NO	YES	Service or Scrap
	Bushing-Gearshift Hd.Lever Pin	B	702627	-----	NO	YES	Service or Scrap
H	Sw.A.-Back-up Lts.-Std.Trans.	B	701521	701960	NO	YES	Service or Scrap
	Guard-Strg.Col.Neutral Sw.	M	702778	-----	NO	YES	Service or Scrap
	Screw-#10-24 x 3/8 W.Hd.Tapp	B	274105	-----	NO	YES	Reduce Usag
	Ped.Supt.A.-Std.Tr.& Std.Br.	M	701798	703004	NO	YES	Service or Salvage
	Ped.Supt.A.-Std.Tr.& Pwr.Br.	M	701799	703005	NO	YES	Service or Salvage
	Ped.Supt.A.-Std.Tr.& Pwr.Br.	M	701800	703006	NO	YES	Service or Salvage
F	Ped.Supt.A.-Auto.Tr.& Std.Br.	M	701912	703007	NO	YES	Service or Salvage
F	Ped.Supt.A.-Auto.Tr.& Pwr.Br.	M	701802	703012	NO	YES	Service or Salvage
	Ped.A.-Brake (Welded)	M	701781	703009	NO	YES	Service or Salvage
	Ped.A.-Brake (Complete)	M	701788	703010	NO	YES	Service or Scrap
	Supt. - Pedal	M	702924	704107	NO	YES	Service or Salvage
	Supt. A.- Pedal	M	701782	703011	NO	YES	Service or Scrap
	Plate-Ped.Supt.to Instr.Panel	M	702359	704073	NO	YES	Service or Scrap
	Brkt.-Ped. Supt. Ext.	M	702638	704074	NO	YES	Service or Scrap
	Nut-5/16-18 Type "J"	B	702637	-----	NO	YES	Service or Scrap
			-----	-----			
C	Bracket & Angle Assem. Strg. Col. Mtg.	M	-----	701910	NO	YES	New Part
F	Ped.Supt ^A -Auto.Trans.& Std.Dr.	M	701801	703023	NO	YES	Service or Scrap
F	Ped.Supt.A.-Auto.Trans.& Pwr.Br.	M	701913	703008	NO	YES	Service or Scrap
	Spacer-G/Shift H/Lever Anti Rattle	B	-----	704132	NO	YES	New Part

4. List of Chassis Parts Affected (Cont'd)

	NAME	B OR M	OLD PART NO.	NEW PART NO.	I	A	REMARKS
F	Lever A.-Gear Sel. (Auto.)	B	-----	701953	NO	YES	New Part
F	Lever A.-Gear Sel. (Std.)	B	-----	701954	NO	YES	New Part
F	Lever A.-Direct Signal	B	-----	701957	NO	YES	New Part
F	Rod - Pedal Supt. Brace	M	92422	704124	NO	YES	Service or Scrap
F	Shank - Pedal	M	702777	-----	NO	YES	Reduce Usage
F	Shank - Brake Pedal	M	-----	704104	NO	YES	New Part
F	Anchor-Cl. Ped. Ret. Spr.	M	94580	704125	NO	YES	Service or Scrap
F	Anchor-Br. Ped. Ret. Spr.	M	-----	704126	NO	YES	New Part
G	Grommet-Strg. Col. Gear Shift Lower Lever	B	Furn.	704128	NO	YES	New Part
G	Bushing-Strg. Col. Gear Shift Lower Lever	B	Furn.	704129	NO	YES	New Part
G	Lens-Dial (Single Range)	B	Furn.	704105	NO	YES	New Part
G	Lens-Dial (Dual Range)	B	Furn.	704106	NO	YES	New Part
G	Brakt. Assem.-Strg. Col. Supt.	B	-----	701952	NO	YES	New Part
	Screw-#6-32 x 1/2 Oval Head C.R. Mach.	B	-----	156656	NO	YES	New Part
	Screw-#8-32 x 1/2 O.H.C.R. Mach	B	187871	-----	NO	YES	Increase Usage
	Screw-#8 x 1/2 Oval Head (#6) Tapp.	B	168488	-----	NO	YES	Increase Usage
	Switch Assem.-Neutral	B	Furn.	701955	NO	YES	New Part
	Bezel-Auto. Trans. Gear Sel.	B	-----	704121	NO	YES	New Part
	Knob-Hazard Warn. Switch	B	-----	704120	NO	YES	New Part
	Nut-5/8-18 Hex. Jam	B	124944	-----	NO	YES	Reduce Usage
	Nut-1/2-20 Narrow Fl. Hex.	B	-----	626789	NO	YES	New Part
	Insulator Horn Contact Plate	B	702840	-----	NO	YES	Service or Scrap
	Indicator - Gear Shift	B	Furn.	704122	NO	YES	New Part
	Screw-#6-32 x 5/16 Hex. Hd. Tapp.	B	-----	9404729	NO	YES	New Part

4. List of Chassis Parts Affected (Cont'd)

	NAME	B OR M	OLD PART NO.	NEW PART NO.	I	A	REMARKS
	Strg.Column & Wheel A. Col.Shift-Std.Trans.	M	-----	703027	NO	YES	New Part
	Strg.Column & Wheel A. Floor Shift-Std.Trans.	M	-----	703028	NO	YES	New Part
	Strg.Column & Wheel A. Auto. Trans.	M	-----	703026	NO	YES	New Part
J	Washer-3/16 I.D. x 7/16 O.D. Plain	B	131015	-----	YES	YES	Increase Usage
J	Lockwasher #6 Ext. Tooth	B	138473	-----	YES	YES	Increase U Usage
J	Bolt-5/16-18 x 3/4 Hex.Hd.	B	180077	-----	YES	YES	Increase Usage
J	Nut-3/8-24 Hex.	B	120369	-----	YES	YES	Increase Usage
J	Lockwasher 5/16 Med. Spr.	B	120214	-----	YES	YES	Increase Usage
J	Nut-5/16-18 Hex.	B	120376	-----	YES	YES	Increase Usage
J	Nut & Retainer Assem.	B	92435	-----	NO	YES	Service or Scrap
M	Bolt-3/8-24 x 1-1/4 Hex.Hd. (GM 280 M)	B	181639	-----	NO	YES	Increase Usage
M	Lockwasher 3/8 Med.Spr.	B	120382	-----	NO	YES	Increase Usage
M	Washer-13/32 x 13/16 Plain	B	120394	-----	NO	YES	Increase Usage
M	Bolt-1/4-20 x 5/8Hex.Hd.	B	120854	-----	NO	YES	Increase Usage
M	Nut 1/4-20 Hex.	B	120375	-----	NO	YES	Increase Usage
M	Screw 5/16-18 x 5/8 Truss Head	B	157767	-----	NO	YES	Increase Usage

	NAME	B OR M	OLD PART NO.	NEW PART NO.	I	A	REMARKS
	Harness Assem-Inst.Dash Wiring	B	701516	701941	NO	YES	Service
	Harness Assem-Inst.Dash Wiring	B	701517	701942	NO	YES	Service
	Socket & Harness Signal Flasher	B	701512	701943	NO	YES	Service
	Socket & Harness Signal & Hazard Flasher	B	701511	701944	NO	YES	Service
	Socket & Harness Panel Lights	B	701507	701945	NO	YES	Service
	Harness Assem-Starter Cont.(Auto)	B	701860	701946	NO	YES	Rework
G	Flasher-Dir.Signal & Warning	B	701766	-----	YES	YES	Increase Usage
N	Circuit Breaker Assy-12 V 10 Amp	B	97453	-----	YES	YES	Increase Usage
M	Lead Assy.-Relay Cluster(3")	B	635279	-----	YES	YES	Increase Usage