

April 12, 1967

ENGINEERING MEMO # 181

TO: Memo Distribution

FROM: S. Hori

SUBJECT: SEAT BELT AND SHOULDER HARNESS ANCHORAGES

4-17-67 A Rev. Page (2)
 6-23-67 B Rev. Page (2)
 7-20-67 C Rev. Page (2)
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1. In order to comply with the Federal Standard 515/1 for G.S.A. vehicles and Initial Federal Motor Vehicle Safety Standard No. 210 for 1968 Model Vehicles, additional seat belt and shoulder harness anchorages will be added to all vehicles to be effective in production by Sept. 1, 1967.
 - a. Anchorages will be added to the center pillars for the shoulder harnesses.
 - b. Additional anchorages will be added to the floor pans to enable the installation of seat belts for each passenger for which the vehicle is designed.
 - c. The seat belt assemblies will be purchased with metal plate anchorage to the floor instead of sister hooks and eye bolts to eliminate the necessity of complying with the 9000 lbs. force required for anchorages in which the ends of two or more seat belt assemblies can be attached.

2. List of Parts to be Affected:

NAME	B OR M	OLD PART NO.	NEW PART NO.	I	A	REMARKS
Pillar A.-Center LH *	M	641225	Change D	YES	YES	Use
Pillar A.-Center RH *	M	641226	Change D	YES	YES	Use
Frame A.-Side Complete LH	M	639205	Change E	YES	YES	Use
Frame A.-Side Complete RH	M	639206	Change E	YES	YES	Use
Reinf.A.-Center Pillar	M	-----	645274	YES	YES	New Part
Reinf.& Nut A.-Seat Belt Anch.	M	637206	-----	YES	YES	Increase Usage
Reinf.-Seat Belt Anchor	M	638186	-----	YES	YES	Increase Usage
Nut-7/16-20 Midland Weld	B	94741	-----	YES	YES	Increase Usage
Reinf.-Center Pillar *	M	634150	Change H	YES	YES	Use
Underbody A.-Complete-Welded	M	641452	Change G	YES	YES	Use
Pan A.-Front Floor	M	641453	Change A	YES	YES	Use
Deadener-Rear Seat-Rear	B	640271	Change E	YES	YES	Rework
Deadener-Passenger Comp.	B	634613	Change E	YES	YES	Rework

NOTE: Any surplus of parts marked * without provisions for Belt Anchors may be used up in Aerobus Production at 2nd and 3rd center pillar positions.

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	NAME	B OR M	OLD PART NO.	NEW PART NO.	I	A	REMARKS
	Pan A.-Front Floor Center	M	639929	Change A	YES	YES	Use
	Pan A.-Front Floor Center	M	639931	Change A	YES	YES	Use
	Pan-Front Floor	M	640522	Change AL	YES	YES	Rework
	Pan-Rear Floor	M	640553	Change J,K	YES	YES	Rework
	Pan-Front Floor Center	M	640807	Change B	YES	YES	Rework
	Pan-Front Floor Center	M	640808	Change B	YES	YES	Rework
	Member-Ctr.Floor Cross Frt.	M	640555	Change B	YES	YES	Rework
	Member-Ctr.Floor Cross	M	640800	Change C	YES	YES	Rework
	Plug-3/4" Hole	B	626588	-----	YES	YES	Increase Usage
A	Kit-Seat Belt-Black	B	641310	See Below	YES	YES	Use
A	Belt A.-Frt. Seat-Black	B	641310	645275	YES	YES	New Part
A	Belt A.-Rear Seat-Black	B	641310	645276	YES	YES	New Part
A	Harness A.-Frt.Seat-Black	B	641310	645277	YES	YES	New Part
B	Bolt-Seat Belt Anchor Short	B	Furn.	644301	NO	YES	New Part
B	Bolt-Seat Belt Anchor Long	B	Furn.	644300	NO	YES	New Part
B	Retractor A. - Seat Belt	B	643051	-----	YES	YES	Increase Usage
C	Eye Bolt-7/16-20 Thd.	B	640695	-----	NO	YES	Service or Scrap
C	Washer-7/16 I.D.x1 3/8 O.D. Plain	B	446477	-----	NO	YES	Decrease Usage
C	Plate-Frt.Seat Trim	M	642412	-----	NO	NO	Service or Scrap
C	Screw-#10-24 x 3/4 Oval Hd.	B	147840	-----	NO	YES	Service or Scrap
C	Nut-#10-24 Hex. Mach.	B	120361	-----	NO	YES	Decrease Usage
C	Washer-7/32 I.D. x 1/2 O.D.	B	120391	-----	NO	YES	Decrease Usage
C	Lockwasher-#10 Med. Spring	B	120217	-----	NO	YES	Decrease Usage
	Pan Assem.-Frt.Floor W/Twin B.S.	M	645473	Chng. A	NO	YES	Rework
	Panel - Partition Side	M	638095-6	Chng. B	NO	YES	Rework
G	Panel - Partition	M	644127	Chg. A	NO	YES	Rework

August 25, 1967
Rewritten August 29, 1967
"A" Rev. September 19, 1967
"B" Rev. August 23, 1968

ADDITION TO ENGINEERING MEMO #181

TO: Memo Distribution
FROM: B. Lewis
SUBJECT: REVISED EFFECTIVE POINT OF STD. EQUIPMENT
SHOULDER HARNESSSES & BELTS

1. Seat Belts:

Effective point of the portion of Engineering Memo #181 calling for Seat Belts and Harnesses as standard equipment in all Checker vehicles will be set back to January 1, 1968.

During the interim A-12, A-12W and A-12E Models will continue to be equipped with (2) Front Seat Belt assemblies as standard equipment. Shoulder Harnesses, Center Seat Belt in front and Rear Seat Belts will be optional equipment and furnished only when specified by the customer and at extra cost.

A-12W6 & 8, A-11 and A-11E Models will have no belts or harnesses as standard equipment, but can be supplied optionally if specified on production orders.

2. Anchorages:

The extra anchorages in the floor pan and in the center pillars will be incorporated beginning with September 1, 1967 production with no change from the original Engineering Memo.

List of Parts Affected:

NAME	BUY or MAKE	PART NO.	REMARKS
Belt A.-Frt. Seat Black	B	645275	Increase Usage
Belt A.-Rear Seat Black	B	645276	Reduce Usage
Harness A.-Frt. Seat Black	B	645277	Reduce Usage
Bolt-Seat Belt Anchor-Long	B	644300	Reduce Usage
Bolt-Seat Belt Anchor-Short	B	644301	Reduce Usage

645275, Belt Assm.-Frt.Seat Black replaced 641310 on Chassis No. 2535, Models A-12W6 & A-12W8.