

September 20, 1966

ENGINEERING MEMO #157

Revised 10-24-66

Revised 11-8-66

Rev. 2-2-67 (Pages 2, 3, & 4)

Rev. 2-3-67 (Page 2)

Rev. 4-5-67 (Page 4)

8 Cyl. Chassis No. Added 4-5-67

TO: Memo Distribution

FROM: S. Hori

SUBJECT: CHANGE FROM YORK AIR CONDITIONING COMPRESSOR TO
FRIGIDAIRE AIR CONDITIONING COMPRESSOR

1. Due to the availability and larger capacity of the Frigidaire Air Conditioning Compressor, the changeover will be made as soon as possible with a minimum of obsolescence.
2. 6 Cylinder Engine Compressor Mounting.
 - A. The York or Frigidaire Air Conditioning Compressor can be mounted on all 6 cylinder engines with or without A.I.R. Systems.
 - B. The Frigidaire Compressor will require brackets from Chevrolet.
3. V-8 Engine Compressor Mounting.
 - A. To mount the Frigidaire Compressor to any of the V-8 engines will require a new right hand exhaust manifold which in turn requires a new right hand Exhaust Pipe Assembly.
 - B. The Chevy II compressor mounting brackets will be required.
4. New refrigerant hoses and fittings will be required for connection to the Frigidaire Compressor.
5. Effective Point.
 - A. The complete changeover will be made when the stock of York compressors is exhausted.
 - B. The Frigidaire Compressor, mounting brackets, hoses and attaching parts will be required at once for V-8 engines with A.I.R. systems.
 - C. The Frigidaire Compressor will be used on the Aerobuses as soon as possible. The engine will require the new right hand exhaust manifold and new right hand exhaust pipe assembly.
 - D. The RH exhaust manifold change and RH exhaust pipe change will be made on all V-8 engines without obsolescence of old exhaust pipes.
6. See attached sheet for list of parts to be affected.

This Revision incorporated at the following Chassis No.
V-8 Air Conditioning B-11, B-12, B-12W, B-12E Chassis 46114
A-12W6, A-12W8 Chassis 2324

LIST OF ITEMS TO BE AFFECTED (Continued)

NAME	OLD PART NO	NEW PART NO	I	A	REMARKS
Eng. A-283 V-8 Std. Trans.	B 701759	701847 *	NO	YES	Use Ch.No. 45304
Eng. A-283 V-8 Auto. Trans.	B 701760	701848 *	NO	YES	Use Ch.No. 45777
Eng. A-327 V-8 Auto. (HI-PERF.)	B 701780	701849 *	NO	YES	Use Ch.No. 45704
Eng. A-327 V-8 Std. (Gov.)	B 701761	701850 *	NO	YES	Use
Eng. A-327 V-8 Auto. (Gov.)	B 701762	701851 *	NO	YES	Use
Pump A-A.I.R. V-8 W/A.C.	B -----	701674	NO	YES	New Part
Belt-A.I.R. Pump Drive V-8 W/A.C.	B -----	702981	NO	YES	New Part
Cleaner A.-Carb.Air(327 A.I.R.W/A.C.)	B -----	701828	NO	YES	New Part
Kit-Air Cond.-V-8 Engine(Chev,EP#67-228)	B -----	701839	NO	YES	New Kit
Supt.A.-Air Cond.Comp.Brkt. (V-8)	F -----	701813	NO	YES	New Part
Brkt.A.-Air Cond.Comp.Frt.Mtg. (V-8)	F -----	701814	NO	YES	New Part
Brkt.A.-Air Cond.Comp.Rear Mtg. (V-8)	F -----	701815	NO	YES	New Part
Bushing A.-Air Cond.Comp.Mtg. (V-8)	F -----	701816	NO	YES	New Part
Shim-Air Cond.Comp. (V-8)	F -----	702936	NO	YES	New Part
Bolt-3/8-24 x 9 3/8 Hex.Hd.	F -----	626775	NO	YES	New Part
Screw-7/16-14 x 3/4 Hex.Ser.W/Hd.Mach. Hdr. Pt.	F -----	274902	NO	YES	New Part
Screw-3/8-16 x 5/8 Hex.Ser.W/Hd.Mach.Hdr. Pt.	F -----	274840	NO	YES	New Part
Bolt-5/16-24 x 3/4 Hex.Hd. (GM300M)	F -----	444684	NO	YES	New Part
Spacer - Air Cond.Comp.	F -----	702959	NO	YES	New Part
Bolt-3/8-16 x 2 5/8 Hex.Hd. (GM280M)	F -----	187070	NO	YES	New Part
Brace - A.I.R. Pump.V-8 W/A.C.	F -----	702976	NO	YES	New Part NOT REQ'D.
Pulley-A.I.R. Pump,V-8 W/A.C.	B -----	702979	NO	YES	New Part
Pulley - Crankshaft Dual V-8 W/A.C.	B -----	702508	NO	YES	New Part.
Pulley-Water Pump 3 Groove(V-8 A.I.R. W/A.C.)	B -----	702977	NO	YES	New Part
Pulley-Water Pump,V-8 With Air Cond.	B -----	702507	NO	YES	New Part
Pulley-Air Cond.C/Shaft Drive-Chev.V-8	B 702293	-----	NO	YES	Service or Scrap
Pipe-Exhaust RH V-8	M -----	702968	NO	YES	New Part
Riser-RH Exhaust Pipe V-8	M -----	702969	NO	YES	New Part
Flange-Exhaust Pipe LH V-8	B 702271	-----	NO	YES	Increase Usage
Lockwasher 5/8 Med. Spring	B 121574	-----	NO	YES	Decrease Usage
Bolt 3/8-16 x 2 1/2 Hex.Hd. (GM-300M)	B 427589	-----	NO	YES	Use Surplus As 180134
Bolt-3/8-16 x 2 3/4 Hex.Hd. (GM-300M)	B 454908	-----	NO	YES	Use Surplus As 180137
Bolt 3/8-16 x 1 1/2 Hex.Hd. (GM-300M)	B 454906	-----	NO	YES	Use Surplus As 120918
Bolt 3/8-16 x 2 1/4 Hex.Hd. (GM-300M)	B-454907	-----	NO	YES	Use Surplus As 122188
Washer-3/8 I.D. x 7/8 O.D. Plain	B 446363	-----	NO	YES	Decrease Usage
Bolt 3/8-16 x 1 Hex. Hd. (GM-300M)	B 186678	-----	NO	YES	Use Surplus As 180122

*702968 Pipe & 70269 Riser Req'd, with these Engines. B 2-3-67

(A 2-2-67(Chassis No. Added)

LIST OF ITEMS TO BE AFFECTED

NAME	OLD PART NO	NEW PART NO	I	A	REMARKS
Brkt. A-A/C Comp. Mtg.-Chev. 6	M 701263		NO	YES	Service or Scrap
Brkt.-A/C Comp. Mtg.-Chev. 6	M 702365		NO	YES	Service or Scrap
Plate-A/C Compt. Mtg. Brkt. Supt.	M 702366		NO	YES	Service or Scrap
Gusset-A/C Comp. Mtg. Brkt.-Frt.	M 702367		NO	YES	Service or Scrap
Gusset-A/C Comp. Mtg. Brkt. Rr.	M 702368		NO	YES	Service or Scrap
Boss-A/C Comp. Mtg. Brkt.	M 702369		NO	YES	Service or Scrap
Brace-A/C Comp. to Eng.	M 702320		NO	YES	Service or Scrap
Brace-A/C Comp. Mtg. Brkt.	M 702223		NO	YES	Service or Scrap
Supt. A.-Idler Pulley Adj. Brkt.	M 701264		NO	YES	Service or Scrap
Supt.-Idler Pulley Adj. Brkt.	M 702371		NO	YES	Service or Scrap
Brkt.-Idler Pulley Adj.	M 702372		NO	YES	Service or Scrap
Spacer-A/C Comp. Mtg.	M 702370		NO	YES	Service or Scrap
Brkt.-A/C Compr. Mtg.-V-8	M 702447		NO	YES	Service or Scrap
Casting-A/C Comp. Mtg. Brkt.	B 702446		NO	YES	Service or Scrap
Brace-A/C Compr.-V-8	M 702461		NO	YES	Service or Scrap
Casting-A/C Cond. Compr. Brace	B 702460		NO	YES	Service or Scrap
Brkt. A.-Adj. Idler-A/C	M 701310		NO	YES	Service or Scrap
Brkt.-Adj. Idler	M 702443		NO	YES	Service or Scrap
Casting-Adj. Idler Brkt.	B 702442		NO	YES	Service or Scrap
Brkt. A-Sta. Idler	M 701321		NO	YES	Service or Scrap
Brkt.-Sta. Idler	M 702445		NO	YES	Service or Scrap
Casting-Sta. Idler Brkt.	B 702444		NO	YES	Service or Scrap
Exh. Pipe A.-RH V-8	M 701212	701817	NO	YES	Service
Compr. A-York A/C	B 701756	701789	NO	YES	Service
10" Ring	B 702430		NO	YES	Service
Clutch A.-A/C Complete	M 701228		NO	YES	Return to Vendor or Service
Clutch A.-A/C Complete	B 701229		NO	YES	Return to Vendor or Service
Terminal-Male Blade	B 702362		NO	YES	Use for Rework
Hose A-Cond. to Compr.	B 701233	701792	NO	YES	Service
Hose A.-Compr. to Evap.	B 701260	701793	NO	YES	Service
Hose A.-Frt. Evap. Outlet	B 643196	701795	NO	YES	Service
Hose A.-Rear Evap. Outlet	B 641801	701794	NO	YES	Service
Hose A.-Flex. 1/2" Evap. to Tee	B 639880	701793	NO	YES	Reduce Usage
Belt-A/C Drive - Chev. 6	B 702159		NO	YES	Service
Belt-A/C Drive-V-8	B 702135	702974	NO	YES	Service
Pulley A.-A/C Compr. Adj.	B 97639		NO	YES	Service
Shim Adj. Idler Pulley	B 702515		NO	YES	Service
Support-P.S. Pump Mtg. Brkt.	B 702172		NO	YES	Decrease Usage
Spacer-A/C Pulley	M 702360		NO	YES	Service or Scrap
Pin-3/32 x 1 Slotted Spring	B 942276		NO	YES	Service or Scrap
Brace - Air Cond. Comp. Left Side	M 702506		NO	YES	Service or Scrap

LIST OF ITEMS TO BE REJECTED (Continued)

ITEM	QTY	OLD PART NO	NEW PART NO	J	A	REMARKS
Bolt 3/8-16 x 1 1/4 Hex.Hd. (GM-300M)	B	186679	-----	NO	YES	Use Surplus As 180124
Lockwasher-3/8 Med. Spring	B	170392	-----	NO	YES	Decrease Usage
Lockwasher-5/8 Med.Spring	B	121576	-----	NO	YES	Decrease Usage
Nut - 3/8-16 Hex.	B	120377	-----	NO	YES	Decrease Usage
Washer 11/32 I.D. x 11/16 O.D.	B	-----	120393	NO	YES	Increase Usage
Lockwasher - 5/16 Med.Spring	B	120214	120214	YES	YES	Increase Usage
Bolt-3/8-16 x 2 Hex. Hd. (GM-280M)	B	-----	180130	NO	YES	Increase Usage
Washer - 7/16 I.D. x 1 3/8 O.D.	B	-----	446477	NO	YES	New Part
Washer 13/32 I.D. x 13/16 O.D.	B	-----	120394	NO	YES	Increase Usage
Nut - 3/8-16 Hex.Lock Type HLT	B	-----	442827	NO	YES	New Part
Nut - 3/8-24 Hex.Lock	B	-----	442828	NO	YES	Increase Usage
Bolt - 3/8-16 x 5 1/4 Hex.Hd.	B	-----	192406	NO	YES	New Part
Bolt-5/8-18 x 4 1/2 Hex. Hd.	B	271758	-----	NO	YES	Decrease Usage
CLIP-15/16 Double Closed Type	B	-----	626532	NO	YES	Increase Usage
Nut-5/16-24 Hex.	B	-----	120368	NO	YES	Increase Usage
Lockwasher-5/16 Med.Spring	B	-----	120214	NO	YES	Increase Usage
Bolt-5/16-24 x 3/4 Hex.Hd.	B	-----	181595	NO	YES	Increase Usage
Bracket A/C Hose Supt. (Coup.)	B	-----	702996	NO	YES	New Part
Sleeve Bolt A/C Pulley V-8	B	702441	-----	NO	YES	Service or Scrap
Pulley-Air Cond. Water Pump Chev. 6	B	702215		NO	YES	Service or Scrap
Pulley-Crankshaft-1/2 x 6.64 Drive	B	702244		NO	YES	Service or Scrap
Spacer - Fan Chev. 6	B	702326		NO	YES	Service or Scrap
Bolt-3/8-16 x 5/8 Spec. Sm. Wash HD.	B	702622		NO	NO	Service or Scrap