INSTALLATION INSTRUCTIONS
1968-70 CHEVY NOVA
w/o FACTORY AIR
BEFORE STARTING INSTALLATION
CHECK THE FUNCTION OF THE VEHICLES (HORN, LIGHTS, RADIO, ETC.) FOR PROPER
OPERATION. STUDY INSTRUCTIONS, ILLUSTRATIONS, AND DIAGRAMS PRIOR TO INSTALLATION

☐ 1. DISCONNECT BATTERY.

REMOVE THE FOLLOWING:
☐ 2. GLOVE BOX DOOR
☐ 3. O.E.M GLOVE BOX (DISCARD)
☐ 4. O.E.M FIREWALL COVER (DISCARD)
☐ 5. O.E.M HEATER UNIT (DISCARD)
☐ 6. O.E.M DEFROST DUCT (DISCARD)
☐ 7. REMOVE O.E.M. DEFROST LOUVERS. (RETAIN LOUVER COVER & SCREWS)

NOTE: BE CAREFUL NOT TO DAMAGE THE O.E.M CONTROL CABLES WHEN REMOVING
O.E.M HEATER UNIT FROM UNDER THE DASH.

NOTE: THE PASSENGER SIDE INNER
FENDERWELL WILL NEED TO BE
LOWERED IN ORDER TO ACCESS
THE NUTS THAT SECURE THE
O.E.M BLOWER MOTOR
ASSEMBLY TO THE
FIREWALL.

FIGURE 1
EVAPORATOR INSTALLATION

☐ 1. LAY EVAPORATOR UNIT ON THE PASSENGER SIDE FLOORBOARD. PASS #6 AND #10 A/C HOSES THRU THE FIREWALL FROM THE PASSENGER COMPARTMENT. LUBRICATE AND ATTACH THE HOSES AS SHOWN IN FIGURE 2a BELOW.

☐ 2. ATTACH THE HEATER HOSES AS SHOWN IN (FIGURE 2a BELOW AND IN FIGURE 9 ON PAGE 10).

BRACKET INSTALLATION

☐ ATTACH THE FRONT EVAPORATOR VENT PLENUM BRACKET AND THE BLOWER HOUSING BRACKET. SEE FIGURE 2 BELOW
**EVAPORATOR INSTALLATION continued**

☐ 1. ATTACH THE FIREWALL BULKHEAD TO THE FIREWALL USING 1/4” x 1” BOLTS AND 1/4” NUTS (SUPPLIED) THRU O.E.M HOLES.

☐ 2. RAISE THE UNIT UP AND POSITION UNDER DASH. THE BACK OF THE UNIT IS SUPPORTED BY A BOLT THRU THE FIREWALL (AND FIREWALL BULKHEAD) TO THE JACK-NUT IN THE BACK OF THE EVAPORATOR UNIT AS SEEN IN **FIGURE 3c BELOW**.

☐ 3. THE BLOWER HOUSING BRACKET ATTACHES TO THE LIP UNDER THE DASH USING A MACHINE SCREW AND NUT (SUPPLIED) AS SEEN IN **FIGURE 3b BELOW**.

☐ 4. THE FRONT EVAPORATOR VENT PLENUM BRACKET ATTACHES UNDER THE DASH SPEAKER MOUNTING NUT AS SHOWN IN **FIGURE 3a BELOW**.

**O.E.M CABLE INSTALLATION '68 DASH CONTROL LOCATION IS DIFFERENT FROM '69-'70**

☐ 1. LOCATE THE LONGEST O.E.M CONTROL CABLE AND ATTACH TO THE A/C/HEAT PLENUM CABLE BRACKET. SEE **FIGURE 5a PAGE 5**

☐ 2. LOCATE THE SHORTEST O.E.M CONTROL CABLE AND ATTACH TO THE DEFROST/FLOOR OUTLET PLENUM CABLE BRACKET. SEE **FIGURE 5b PAGE 5**.

☐ 3. O.E.M CABLE ATTACHED TO FAN SWITCH IS DISCARDED.
LOUVER & DUCT INSTALLATION

☐ 1. ATTACH DRIVER, PASSENGER SIDE, AND CENTER LOUVER VENTS UNDER THE DASH USING SHEETMETAL SCREWS (SUPPLIED). **SEE FIGURE 4 BELOW**

☐ 2. ATTACH THE DEFROST DUCTS DIRECTLY OVER THE DASH OUTLETS UNDER THE DASH USING SHEETMETAL SCREWS (SUPPLIED). **SEE FIGURE 4 BELOW.**

☐ 3. STRETCH DUCT HOSES OUT TO MAXIMUM LENGTH AND CUT THEM TO SIZES INDICATED BELOW. ROUTE ALL DUCT HOSES, AND ATTACH THEM TO THE APPROPRIATE OUTLETS AS SHOWN IN **FIGURE 4 BELOW.**

**NOTE:** WITH UNIT IN PLACE, STRETCH OUT THE DUCT HOSES TIGHTLY TO THEIR CORRESPONDING OUTLETS ON THE UNIT AND RE-CHECK THE LENGTH. INSURE THAT THE HOSE IS PULLED TIGHT WITH AS FEW KINKS AND BENDS AS POSSIBLE. THIS WILL INSURE MAXIMUM AIR FLOW.

DUCT HOSE LENGTHS:

- DRIVER SIDE VENT: 2-1/2” x 48”
- DRIVER SIDE CENTER VENT: 2” x 12”
- PASSENGER SIDE CENTER VENT: 2” x 12”
- PASSENGER SIDE VENT: 2-1/2” x 48”
- DRIVER SIDE DEFROST VENT: 2” x 24”
- PASSENGER SIDE DEFROST VENT: 2” x 24”

![Diagram of louver and duct installation]

**FIGURE 4**

DRAIN HOSE INSTALLATION

1. DRILL A 5/8” HOLE 1” BELOW THE EVAPORATOR UNIT AND IN-LINE WITH THE DRAIN TUBE IN THE BOTTOM OF THE EVAPORATOR UNIT. INSERT THE 1/2” DRAIN HOSE (SUPPLIED) THRU THE FIREWALL AND ATTACH TO DRAIN TUBE ON THE UNIT.
O.E.M CONTROL CABLE INSTALLATION

☐ 1. ATTACH THE O.E.M CONTROL CABLES USING THE PLASTIC SLEEVES AND PUSH-ON O-RING (SUPPLIED) AS SEEN IN FIGURE 5 BELOW.
   • LEVER 1 - FAN SPEED (DELETE O.E.M CABLE)
   • LEVER 2 - A/C & HEAT
   • LEVER 3 - FLOOR HEAT & DEFROST

☐ 2. ATTACH THE FLOOR/DEFROST O.E.M CONTROL CABLE USING #8 SCREW TO CABLE BRACKET.

☐ 3. ATTACH THE A/C-HEAT O.E.M CONTROL CABLE TO THE #2 HOLE IN CABLE BRACKET USING A #8 SCREW.
1968 NOVA CONTROLS

NOTE: '68 A/C-HEAT CONTROLS ARE LOCATED ON THE LEFT SIDE OF THE STEERING WHEEL.

1969-'70 NOVA CONTROLS

NOTE: '69-'70 A/C-HEAT CONTROLS ARE LOCATED ON THE RIGHT SIDE OF THE STEERING WHEEL.
GLOVE BOX INSTALLATION

☐ 1. PLACE THE NEW GLOVE BOX TOP IN DASH FIRST. SEE FIGURE 4 BELOW
☐ 2. PLACE THE NEW GLOVE BOX IN THE DASH AND ATTACH THE GLOVE BOX TOP TO THE GLOVE BOX. SEE FIGURE 4 BELOW.
☐ 3. ATTACH ASSEMBLED GLOVE BOX TO O.E.M GLOVE BOX MOUNTING HOLES IN DASH.

NEW GLOVE BOX TOP
NEW GLOVE

FIGURE 6

FRESH AIR COVER INSTALLATION

☐ 1. ATTACH THE FRESH AIR COVER TO THE O.E.M BLOWER HOLE IN THE FIREWALL. SEE FIGURE 7 BELOW
   (VIEW FROM UNDER PASSENGER SIDE FENDER)

FRESH AIR COVER BRACKET
FIREWALL
PASSENGER SIDE FENDER
FRESH AIR COVER

FIGURE 6
COMPRESSOR INSTALLATION

☐ 1. REFER TO A SEPARATE INSTRUCTIONS INCLUDED WITH THE COMPRESSOR BRACKET FOR COMPRESSOR INSTALLATION.

☐ 2. INSTALL COMPRESSOR AND BRACKET USING HARDWARE INCLUDED WITH BRACKET.

CONDENSER INSTALLATION

☐ 1. REMOVE HOOD LATCH AND THE HOOD LATCH SUPPORT.

☐ 2. INSERT THE CONDENSER INTO THE OPENING BETWEEN THE RADIATOR AND THE GRILLE. ATTACH THE CONDENSER TO THE O.E.M HOLES IN THE RADIATOR SUPPORT. SEE FIGURE 6 BELOW & FIGURE 7 PAGE 9

DRIER INSTALLATION

☐ 1. AFTER THE CONDENSER IS MOUNTED, ATTACH THE DRIER (SEE FIGURE 6 ABOVE) BE SURE THE DRIER CLEAR THE BACKSIDE OF THE GRILLE.

☐ 2. LUBRICATE AND ATTACH THE #6 SHORT A/C HOSE TO THE "IN" SIDE OF THE DRIER AND CONDENSER. SEE FIGURE 7 PAGE 9
**DRIER INSTALLATION CONT.**

- **IN**
- **FLOW**
- **DRIER**
- **#6 SHORT A/C HOSE**
- **#8 DISCHARGE HOSE**
- **#6 LIQUID HOSE**

**FIGURE 7**

**REFRIGERATION HOSE INSTALLATION**

1. **LUBRICATE AND ATTACH THE #10 SUCTION HOSE TO THE COMPRESSOR (1/2" I.D. HOSE 60° LONG, 90° FEMALE O-RING FITTING ON THE EVAPORATOR END AND A 135° FEMALE FLARE FITTING ON THE COMPRESSOR END.)** SEE FIGURE 8 BELOW
2. **LUBRICATE AND ATTACH THE #8 DISCHARGE HOSE TO THE COMPRESSOR (13/32" I.D. HOSE 48" LONG, 90° MALE O-RING FITTING ON THE CONDENSER END AND A 135° FEMALE FLARE FITTING ON THE COMPRESSOR END.)** SEE FIGURE 8 BELOW
3. **LUBRICATE AND ATTACH THE #6 LIQUID HOSE FROM THE EVAPORATOR TO THE DRIER (5/16" I.D. HOSE 85" LONG, 90° FEMALE O-RING FITTING ON BOTH ENDS.)** SEE FIGURE 8 BELOW
4. **ATTACH BINARY SAFETY SWITCH (w/ HOSE KIT) TO SERVICE PORT ON #6 LIQUID HOSE.** SEE FIGURE 8 BELOW

**FIGURE 8**
HEATER HOSE INSTALLATION

☐ 1. INSTALL HEATER HOSES AND HEATER VALVE. SEE FIGURE 9 BELOW

**NOTE:** THE HEATER HOSE FOR THIS APPLICATION NEED TO BE 5/8" x 4' EACH HEATER HOSE NOT SUPPLIED

![Diagram of firewall, bulkhead, heater valve, intake, water pump]

YOUR SYSTEM IS READY TO EVACUATE AND CHARGE. THIS SHOULD BE DONE ONLY BY A CERTIFIED A/C TECHNICIAN. AFTER YOUR SYSTEM IS OPERATIONAL, RE-INSTALL ANY OTHER PREVIOUSLY REMOVED ITEMS.
### 1968-70 NOVA with FACTORY AIR CONDITIONING

**EVAPORATOR DRAIN KIT PACKING LIST (63291-VCE)**

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CHECKED BY:  
PACKED BY:  
DATE:  

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1968-70 CHEVY NOVA w/o FACTORY A/C  4/02/02
### 1968-70 NOVA WITH FACTORY AIR CONDITIONING

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PACKED BY: ____________________________

DATE: ____________________________
# 1968-70 NOVA with Factory Air Conditioning

**Condenser Kit Packing List (03070-VCC)**

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