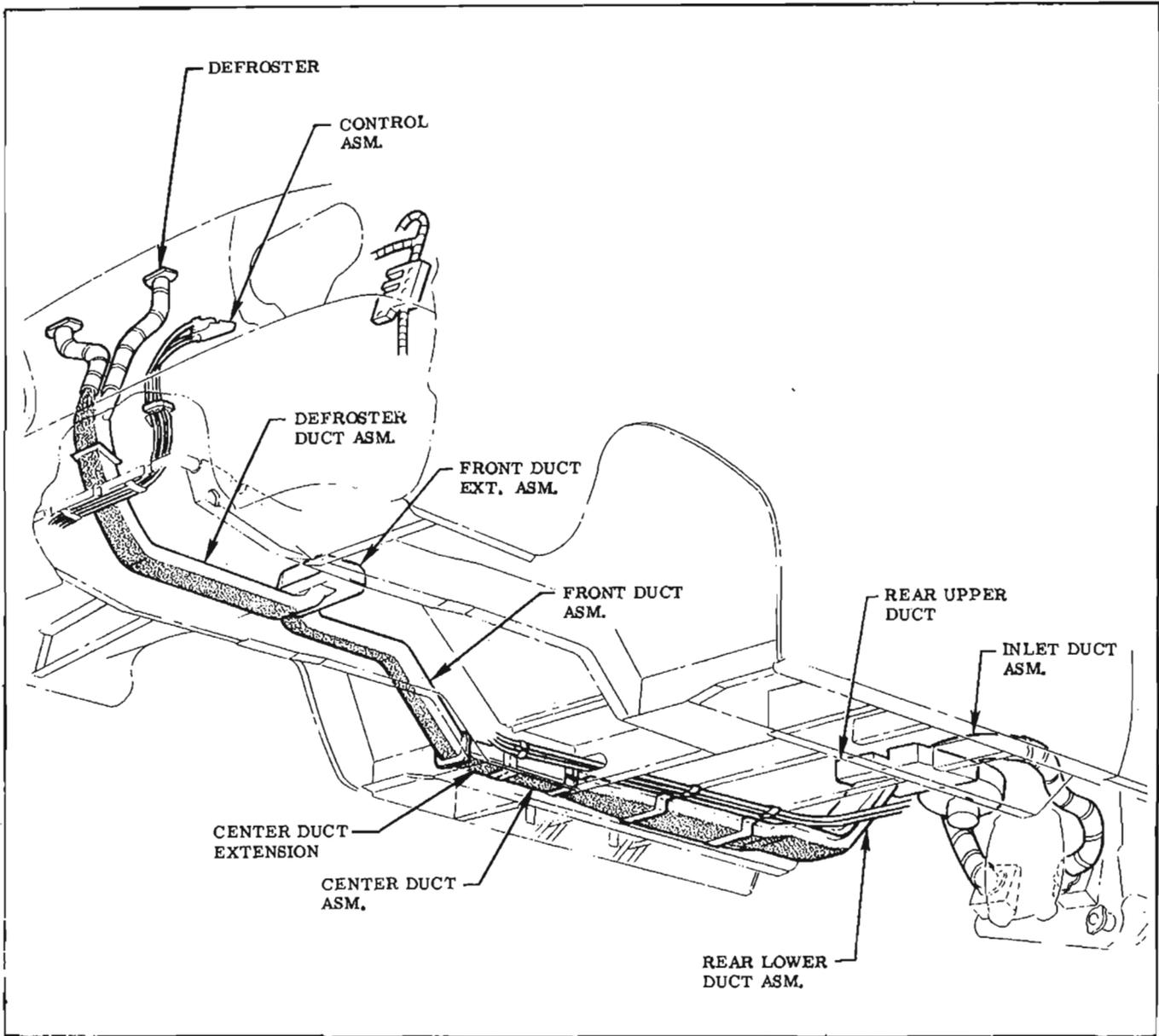


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CAR HEATER & DEFROSTER INSTRUCTION SHEET
CORVAIR 95



GENERAL MOTORS PARTS DIVISION
GENERAL MOTORS CORPORATION
DETROIT 2, MICH.

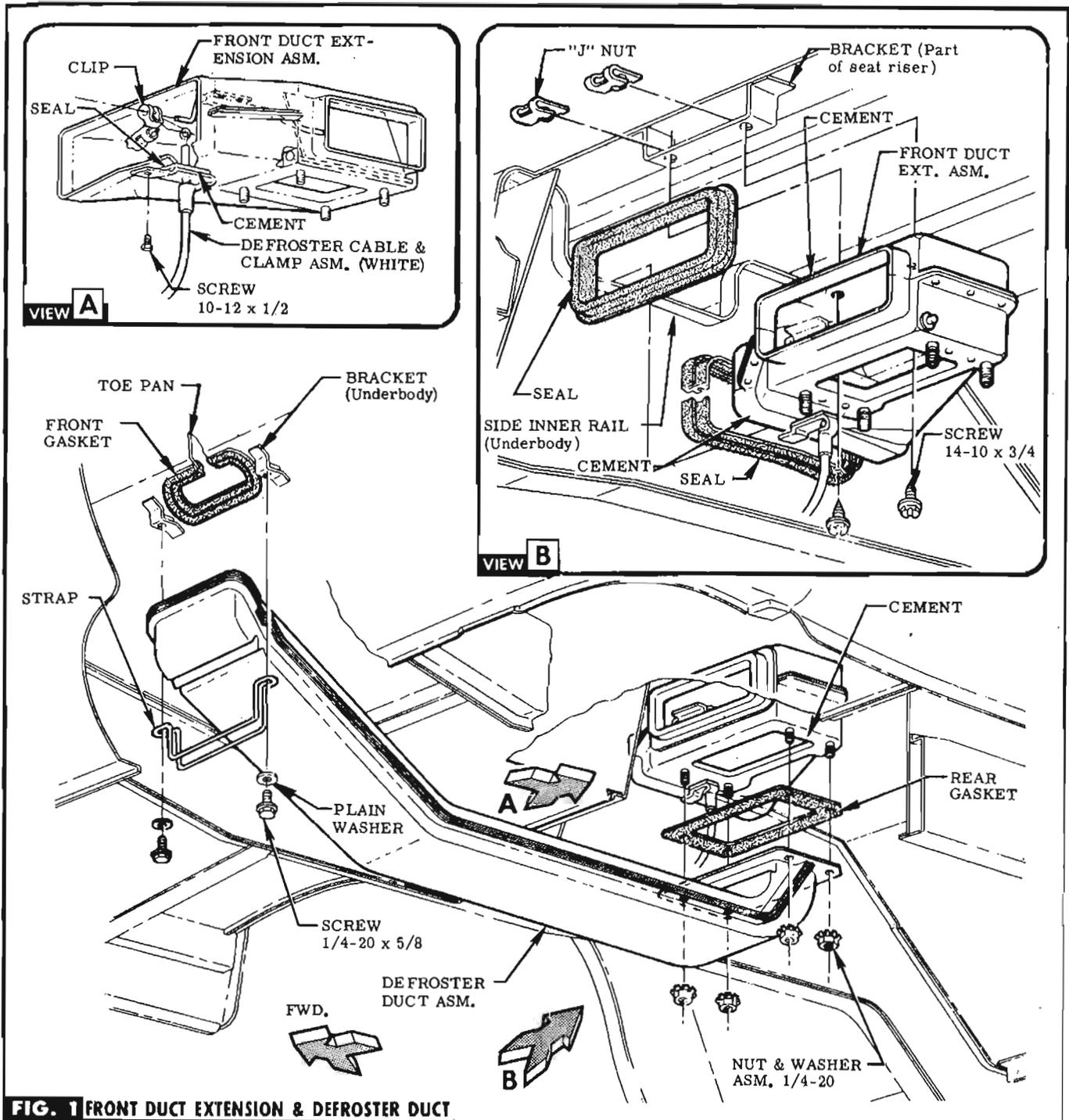


FIG. 1 FRONT DUCT EXTENSION & DEFROSTER DUCT

NOTE See adjustment & installation procedure summary on sheet 15 prior to installation of Control Cables.

STEP 1 REMOVE COVER & SCREWS FROM FRONT SEAT RISER & DISCARD.

STEP 2 CEMENT SEAL TO FRONT DUCT EXTENSION, SEE VIEW A.

STEP 3 SLIP DEFROSTER CABLE THRU HOLE IN FRONT DUCT EXTENSION & ATTACH WIRE LOOP TO DEFROSTER CONTROL ROD WITH CLIP (IN BAG B). SEE VIEW A.

STEP 4 ATTACH DEFROSTER CABLE & CLAMP TO FRONT DUCT EXTENSION WITH SCREW (IN BAG B). SEE VIEW A.

STEP 5 INSTALL J-NUTS (IN BAG B) ON BRACKET & CEMENT SEALS ON FRONT DUCT EXTENSION, SEE VIEW B.

STEP 6 SLIP FRONT DUCT EXTENSION THRU OPENING IN FRONT SEAT RISER & ALIGN WITH OPENING IN SIDE INNER RAIL, & SECURE WITH SCREWS (IN BAG B). SEE VIEW B.

STEP 7 CEMENT SURFACE OF FRONT DUCT EXTENSION & INSTALL REAR GASKET OVER STUDS. INSTALL FRONT GASKET TO OPENING IN TOE PAN. SEE FIG. 1.

STEP 8 POSITION DEFROSTER DUCT OVER STUDS ON FRONT DUCT EXTENSION & THRU OPENING IN TOE PAN & SECURE WITH STRAP & ATTACHING PARTS (IN BAG B). SEE FIG. 1.

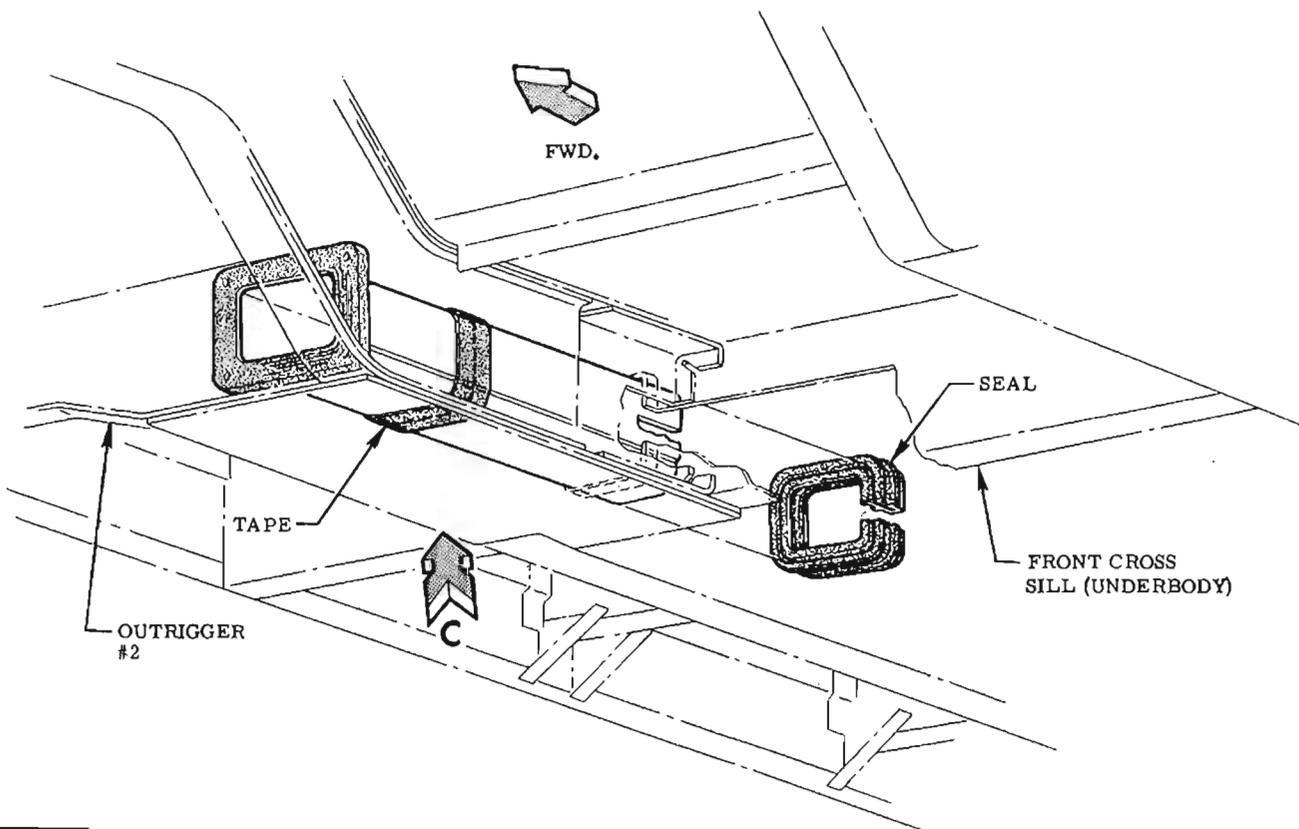
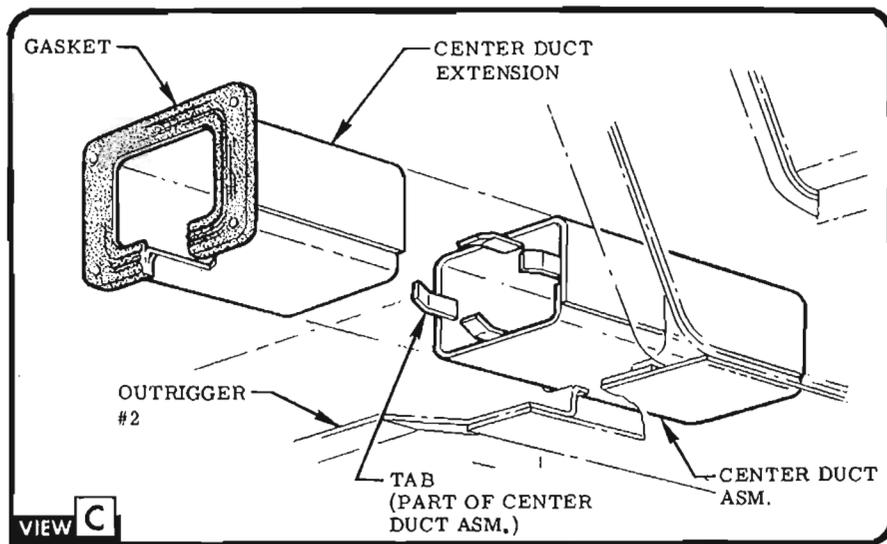


FIG. 2 CENTER DUCT & EXTENSION ASM.

STEP 9 INSTALL GASKET ONTO CENTER DUCT EXTENSION, SEE VIEW C.

STEP 10 SLIDE CENTER DUCT THRU OPENING IN OUTRIGGER #2 ABOUT HALF WAY, SEE VIEW C.

STEP 11 SLIDE CENTER DUCT EXTENSION ONTO TABS & FLUSH WITH CENTER DUCT ASM, SEE VIEW C.

STEP 12 TAPE CENTER DUCT & EXTENSION TOGETHER, SEE FIG. 2.

STEP 13 SLIDE CENTER DUCT & EXTENSION BACKWARDS THRU OPENING IN FRONT CROSS SILL, SEE FIG. 2.

STEP 14 SLIDE SEAL ONTO CENTER DUCT, SEE FIG. 2.

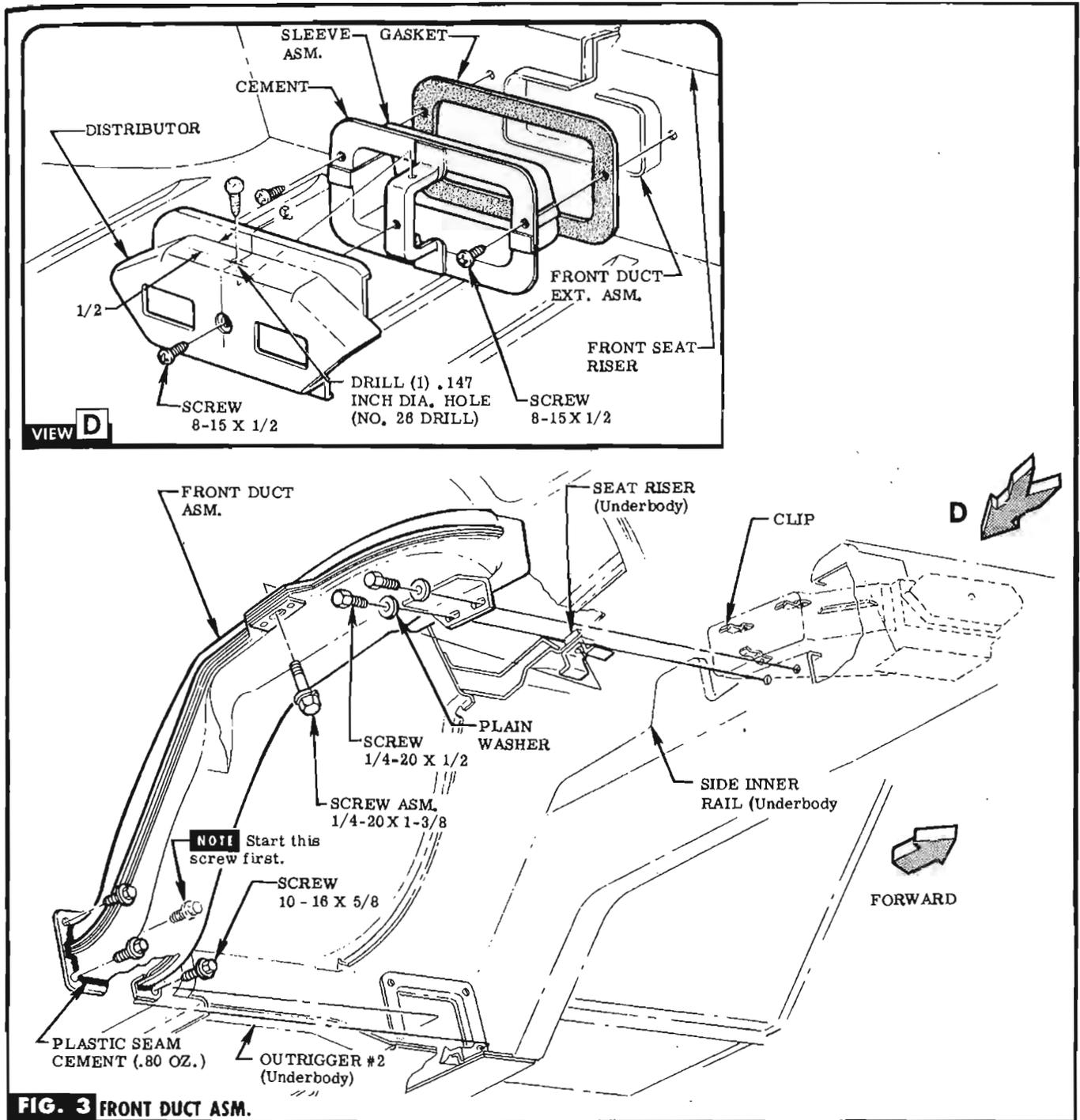


FIG. 3 FRONT DUCT ASM.

STEP 15 CEMENT GASKET TO SLEEVE & SLIDE SLEEVE THRU OPENING IN SEAT RISER & INTO FRONT DUCT EXTENSION. ATTACH WITH SCREWS (IN BAG A). SEE VIEW D.

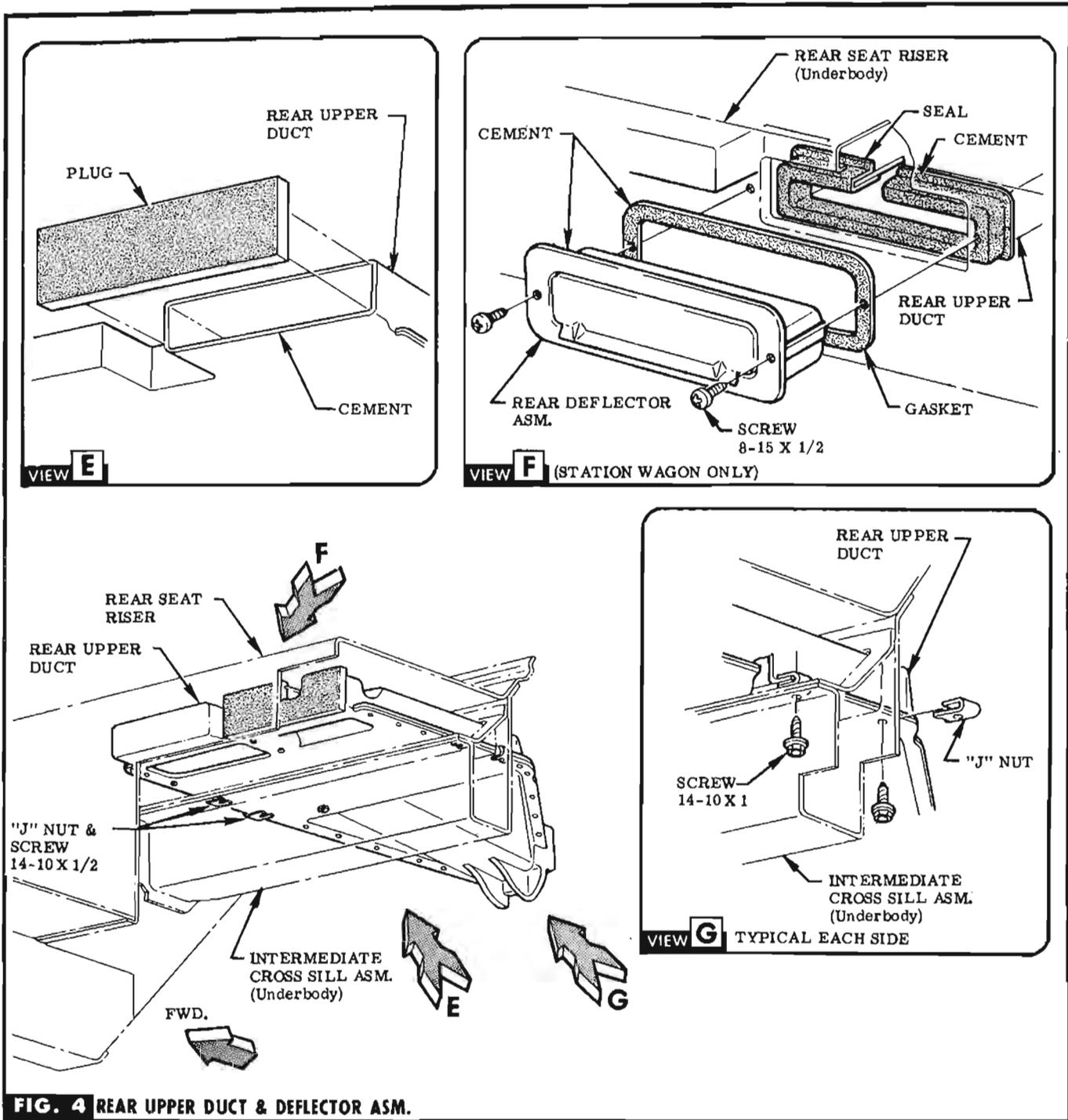
STEP 16 INSTALL DISTRIBUTOR TO SLEEVE WITH SCREW (IN BAG A). LOCATE, CENTER PUNCH & DRILL HOLE THRU TOP OF DISTRIBUTOR & SLEEVE ASM. COMPLETE ATTACHMENT OF DISTRIBUTOR WITH SCREW (IN BAG A). SEE VIEW D.

STEP 17 REMOVE RIGHT FRONT WHEEL AT THIS TIME FOR

FRONT DUCT ASM. INSTALLATION.

STEP 18 SLIDE FRONT DUCT THRU OPENING IN SIDE INNER RAIL & ONTO CLIPS OF FRONT DUCT EXTENSION & ATTACH WITH SCREWS & WASHERS (IN BAG B). SEE FIG. 3.

STEP 19 ALIGN FRONT DUCT TO OPENING IN OUTRIGGER #2 & ATTACH WITH SCREWS (IN BAG B). ATTACH FRONT DUCT TO SEAT RISER WITH SCREW (IN BAG B). CEMENT ALL AROUND JOINT OPENING ON FRONT DUCT ASM. SEE FIG. 3.



NOTE Steps 20, 21, 22 are for Station Wagon only.

STEP 20 REMOVE COVER PLATE & SCREWS FROM REAR SEAT RISER & DISCARD.

STEP 21 CEMENT SEAL TO OPENING IN REAR UPPER DUCT. SEE VIEW F.

STEP 22 CEMENT GASKET ON REAR DEFLECTOR. SLIDE REAR DEFLECTOR INTO OPENING IN REAR SEAT RISER &

ATTACH WITH SCREWS (IN BAG A). SEE VIEW F.

STEP 23 (ALL EXCEPT STA. WAGON) CEMENT LIP OF REAR UPPER DUCT OPENING & PLACE PLUG OVER OPENING. SEE VIEW E.

STEP 24 ATTACH J-NUTS (IN BAG C) TO FLANGE OF REAR UPPER DUCT & SLIDE DUCT THRU OPENING IN INTERMEDIATE CROSS SILL ASM. TO ALIGN HOLES & SECURE WITH SCREWS (IN BAG B). SEE VIEW F.

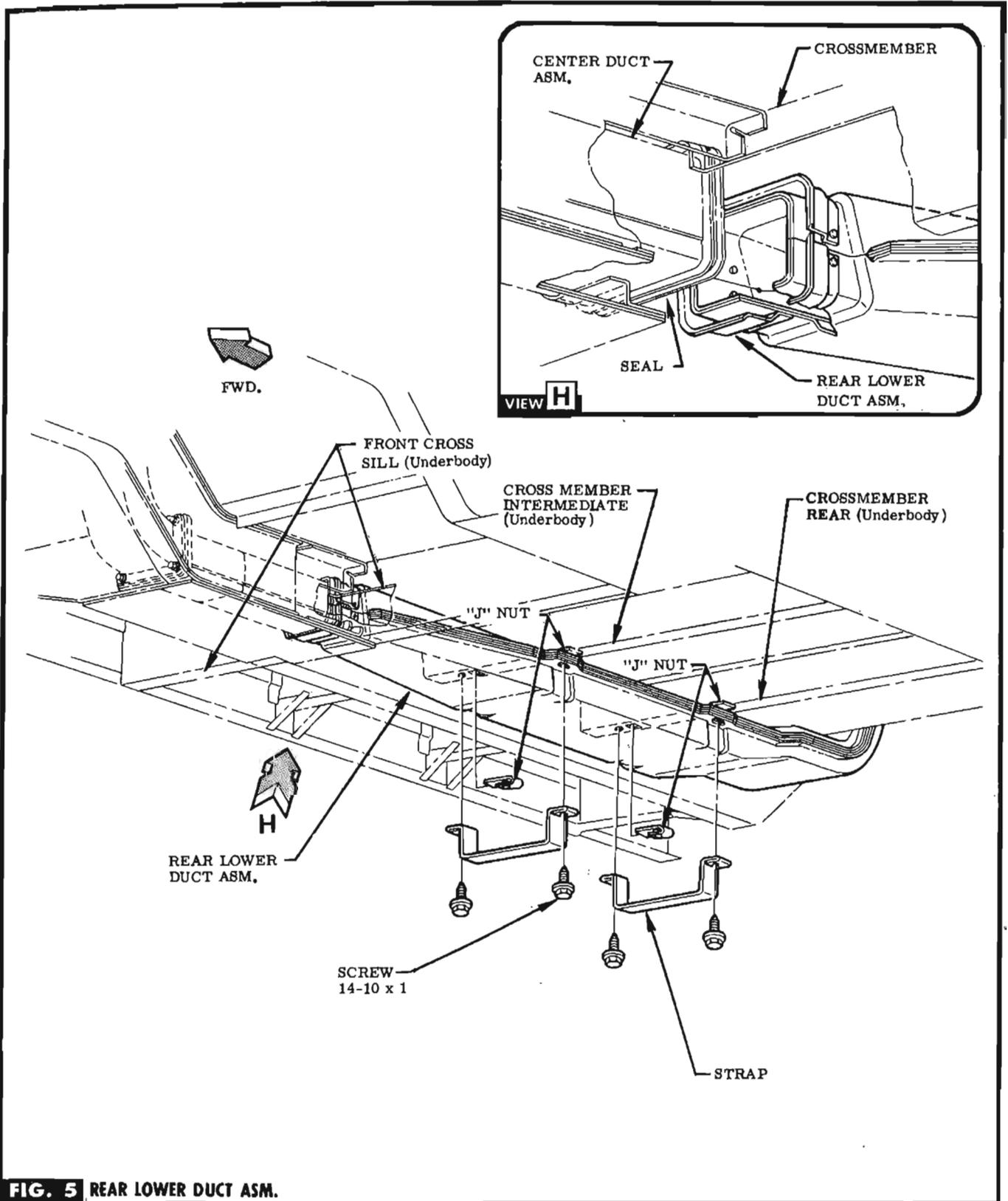


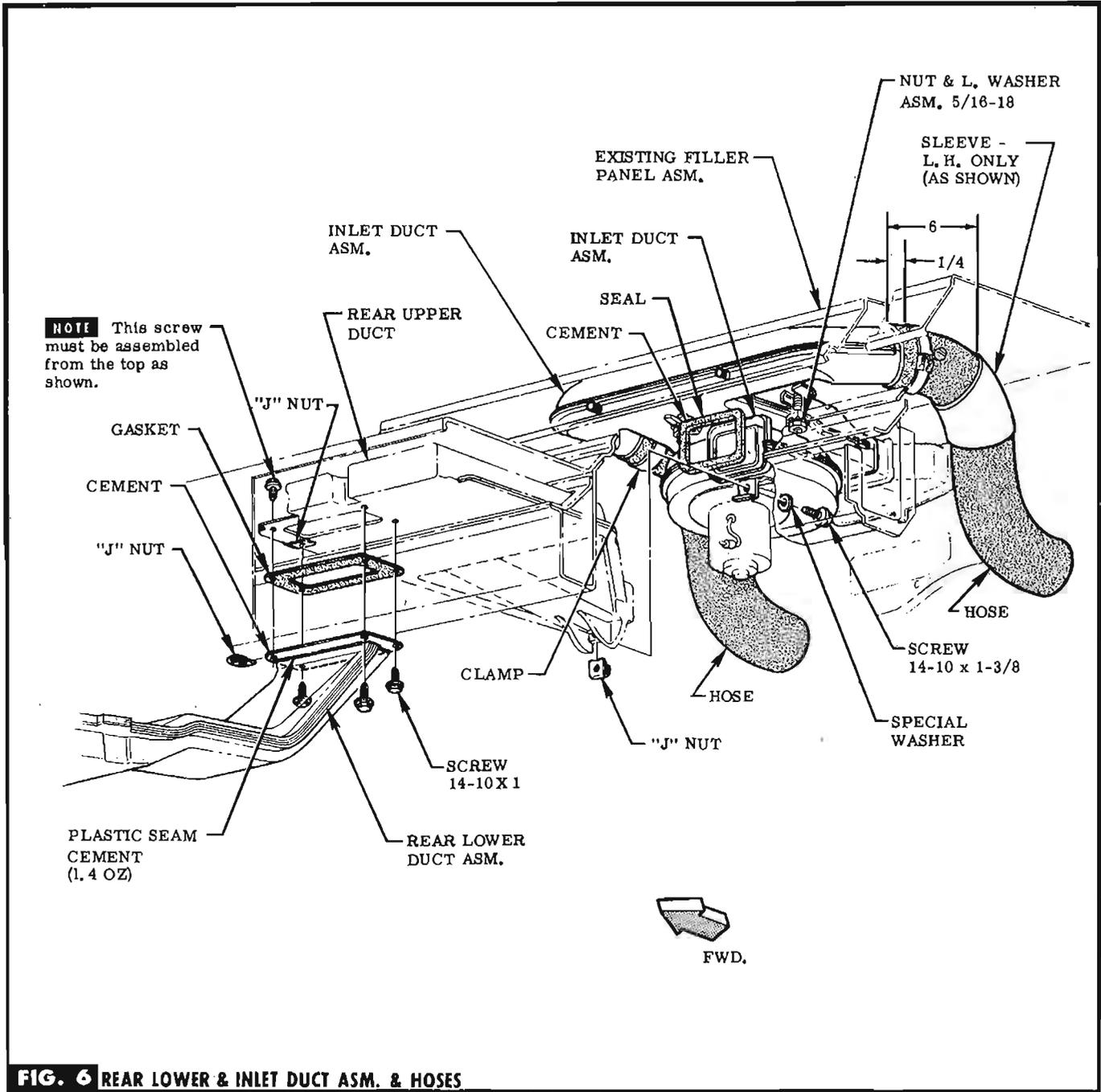
FIG. 5 REAR LOWER DUCT ASM.

STEP 25 DISCONNECT RIGHT HAND BRAKE CABLE BEFORE INSTALLING REAR LOWER DUCT.

STEP 26 SLIDE REAR LOWER DUCT ONTO SEAL OF CENTER DUCT & SLIP J-NUTS (IN BAG B) INTO PLACE ON

INTERMEDIATE & REAR CROSSMEMBER. SEE VIEW H & FIG. 5.

STEP 27 INSTALL STRAPS AT NOTCHES IN REAR LOWER DUCT WITH SCREWS (LOOSELY ASSEMBLED) (IN BAG B). SEE FIG. 5.



STEP 28 REMOVE FILLER PANEL ASM. & ATTACHING PARTS & RETAIN.

STEP 29 SLIDE CLAMPS (IN BAG D) & SLEEVE (L. H. ONLY) ONTO HOSES. SEE FIG. 6.

STEP 30 SLIDE HOSES ONTO INLET DUCT & TIGHTEN CLAMPS. SEE FIG. 6.

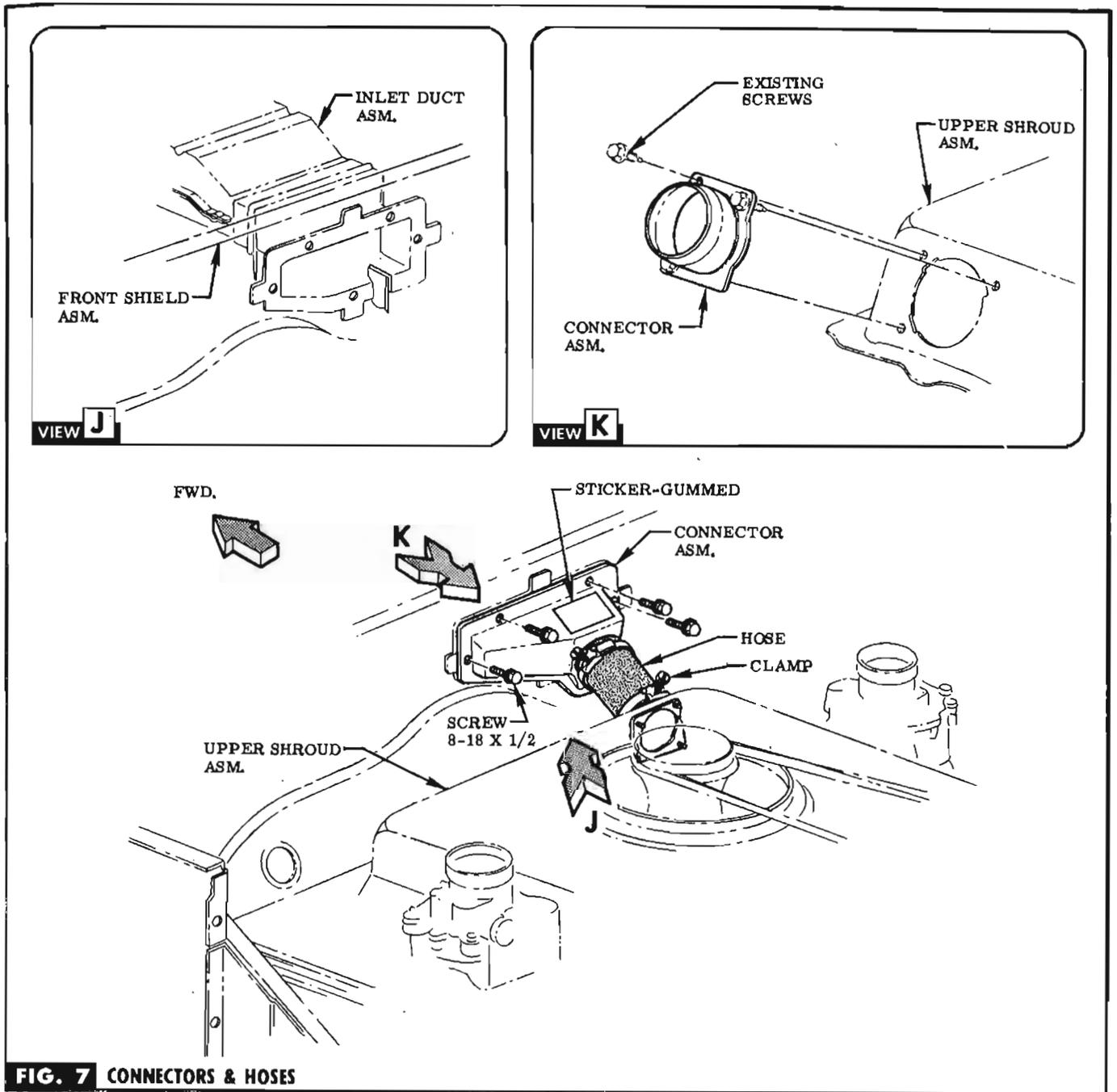
STEP 31 LOOSELY INSTALL NUT ASM. (IN BAG C) TO FILLER PANEL. SLIP INLET DUCT ASM. ONTO STUDS & TIGHTEN. SEE FIG. 6.

STEP 32 SLIP J-NUTS (IN BAG C) INTO REAR UPPER DUCT. CEMENT SEAL TO INLET DUCT. SEE FIG. 6.

STEP 33 LOWER FILLER PANEL IN PLACE & ATTACH INLET DUCT TO REAR UPPER DUCT WITH SCREW, WASHER (IN BAG C). SEE FIG. 6.

STEP 34 ATTACH J-NUT (IN BAG B) & CEMENT GASKET TO REAR UPPER DUCT & CEMENT ALL AROUND JOINT OPENING ON REAR LOWER DUCT. SEE FIG. 6.

STEP 35 ATTACH REAR LOWER DUCT TO REAR UPPER DUCT WITH SCREWS (IN BAG B). SEE FIG. 6.



STEP 36 REMOVE & RETAIN ENGINE COMPARTMENT COVER.

STEP 37 REMOVE & DISCARD AIR INLET DUCT COVER.

STEP 38 REACH THRU OPENING & PULL INLET DUCT THRU, INSTALL CONNECTOR WITH SCREWS(IN BAG D), ALSO PLACE STICKER ON CONNECTOR ASM. SEE FIG. 7 & VIEW J.

STEP 39 REMOVE & DISCARD COVER FROM UPPER SHROUD ASM. & RETAIN SCREWS.

STEP 40 INSTALL CONNECTOR ASM. & SECURE WITH EXISTING SCREWS. SEE VIEW K.

STEP 41 PLACE CLAMPS ON THE HOSE & INSTALL HOSE. TIGHTEN CLAMPS. SEE FIG. 7.

NOTE Position ends of all clamps $\frac{3}{8}$ to $\frac{1}{2}$ inches away from sheet metal to avoid conditions which might cause vibration noises & for service.

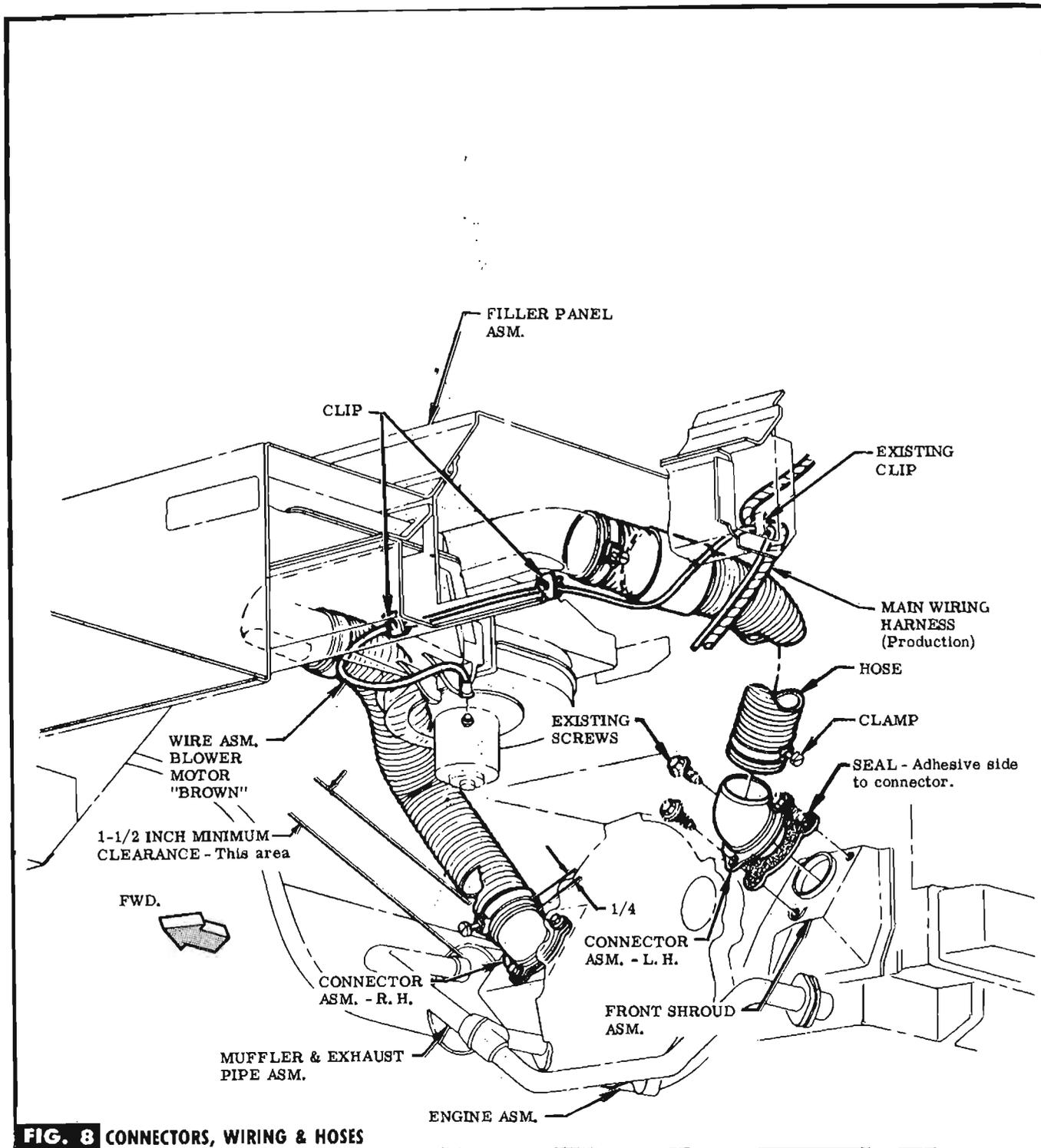


FIG. 8 CONNECTORS, WIRING & HOSES

STEP 42 REMOVE COVERS FROM FRONT SHROUD ASM. & DISCARD. RETAIN SCREWS.

STEP 43 ATTACH L. & R.H. CONNECTORS & SEALS TO SHROUD ASSEMBLY WITH EXISTING SCREWS. SEE FIG. 8.

STEP 44 SLIP CLAMPS (IN BAG D) ON HOSES, SLIDE HOSES ON CONNECTORS. POSITION & TIGHTEN CLAMPS. SEE

FIG. 8. **NOTE** Rotate R. H. hose to obtain clearance shown.

STEP 45 INSTALL CLIPS (IN BAG A) TO INTERMEDIATE CROSS SILL. CONNECT BROWN WIRE PROVIDED TO BLOWER MOTOR, THEN ROUTE WIRE THRU CLIPS OVER TO MAIN HARNESS & FORWARD ALONG HARNESS THRU EXISTING CLIPS. SEE FIG. 8. **NOTE** Position ends of all clamps 3/8 to 1/2 inches away from sheet metal to avoid conditions which might cause vibration noises & for service.

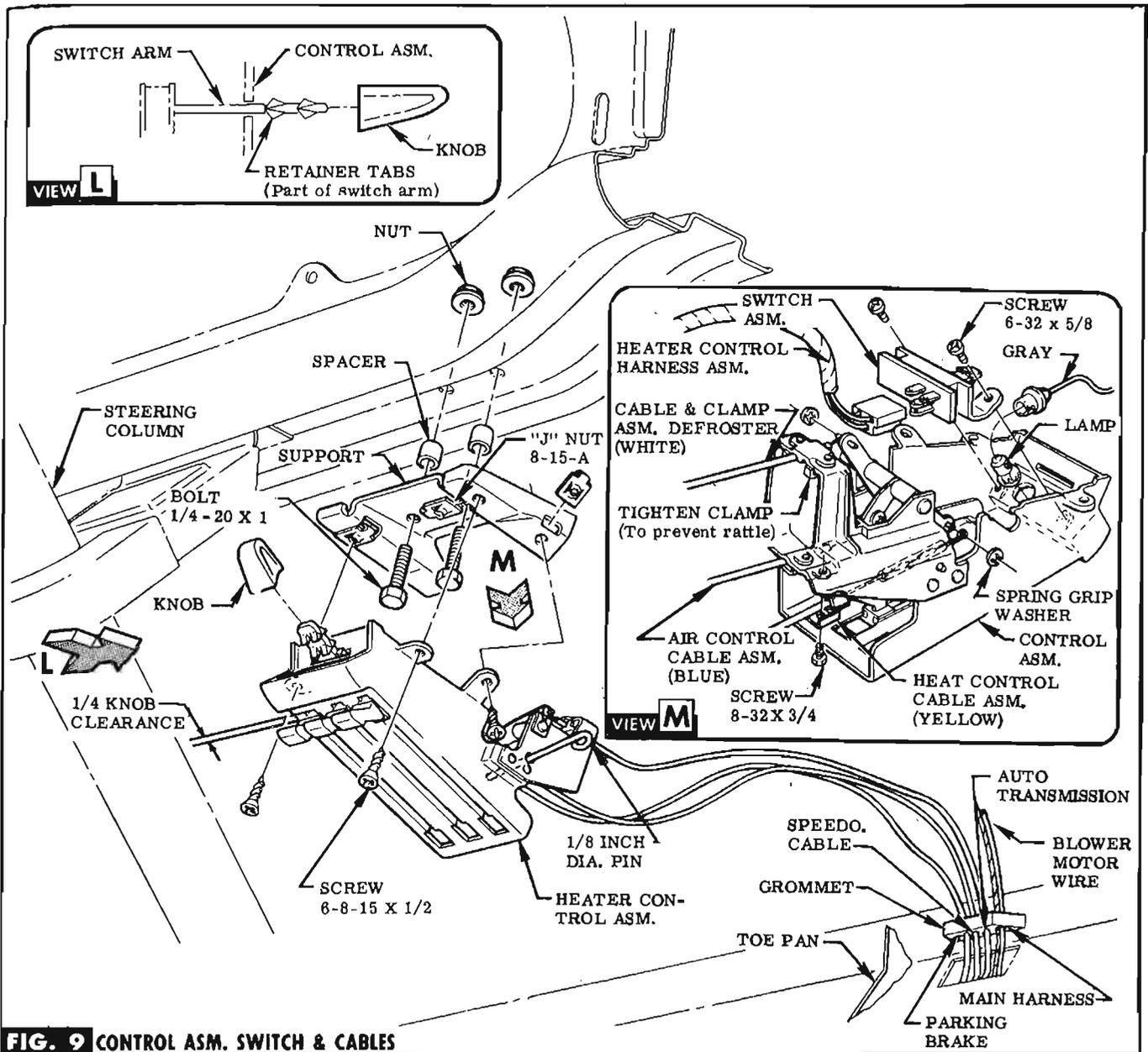


FIG. 9 CONTROL ASM. SWITCH & CABLES

STEP 46 ATTACH SWITCH TO HEATER CONTROL WITH SCREWS (IN BAG A). SEE VIEW M.

STEP 47 RAISE ALL CONTROL LEVERS TO THE TOP OF THEIR SLOTS & INSERT 1/8 INCH DIA. PIN THRU HOLES IN CONTROL ASSEMBLY. SEE FIG. 9.

STEP 48 ATTACH HEAT & AIR CABLES TO CONTROL WITH SCREWS (IN BAG A). SECURE WIRE LOOPS OF CABLES TO RESPECTIVE CONTROL LEVERS WITH SPRING GRIP WASHERS (IN BAG A). SEE FIG. 9 & VIEW M.

STEP 49 LOOSELY ATTACH DEFROSTER CABLE TO CONTROL ASM. LEVER PIN. INSTALL SPRING GRIP WASHER. SEE VIEW M.

STEP 50 REMOVE GROMMET RETAINER FROM TOE PANEL & DISCARD EXISTING GROMMET. ROUTE CONTROL CABLES THRU OPENING IN TOE PANEL & THRU GROMMET (IN BAG A). POSITION GROMMET & THEN

SECURE WITH EXISTING RETAINER. REINSTALL MAIN HARNESS & BLOWER MOTOR WIRE, ETC. IN NEW GROMMET. SEE FIG. 9.

STEP 51 WITH SWITCH ARM IN "OFF" POSITION ASSEMBLE KNOB (IN BAG A) TO ARM WITH A STRAIGHT PUSH UNTIL KNOB LOCKS ON RETAINER TABS OF SWITCH ARM. A MAXIMUM FORCE OF 40 LBS. WILL ASSEMBLE KNOB IN PLACE. ALL RETAINER TABS MUST BE WITHIN THE CAVITY OF THE KNOB. SEE FIG. 9 & VIEW L. **CAUTION** Do not rock knob vertically during assembly, as this will bend switch arm.

STEP 52 INSTALL HEATER CONTROL SUPPORT TO INSTRUMENT PANEL WITH BOLTS, SPACERS & NUTS (IN BAG A). SEE FIG. 9.

STEP 53 INSERT LAMP (IN BAG A) INTO LAMP SOCKET WIRE (GRAY) & PLUG INTO CONTROL. SEE VIEW M.

STEP 54 SLIP J-NUT (IN BAG A) IN PLACE ON SUPPORT & INSTALL HEATER CONTROL TO SUPPORT WITH SCREWS (IN BAG A). SEE FIG. 9.

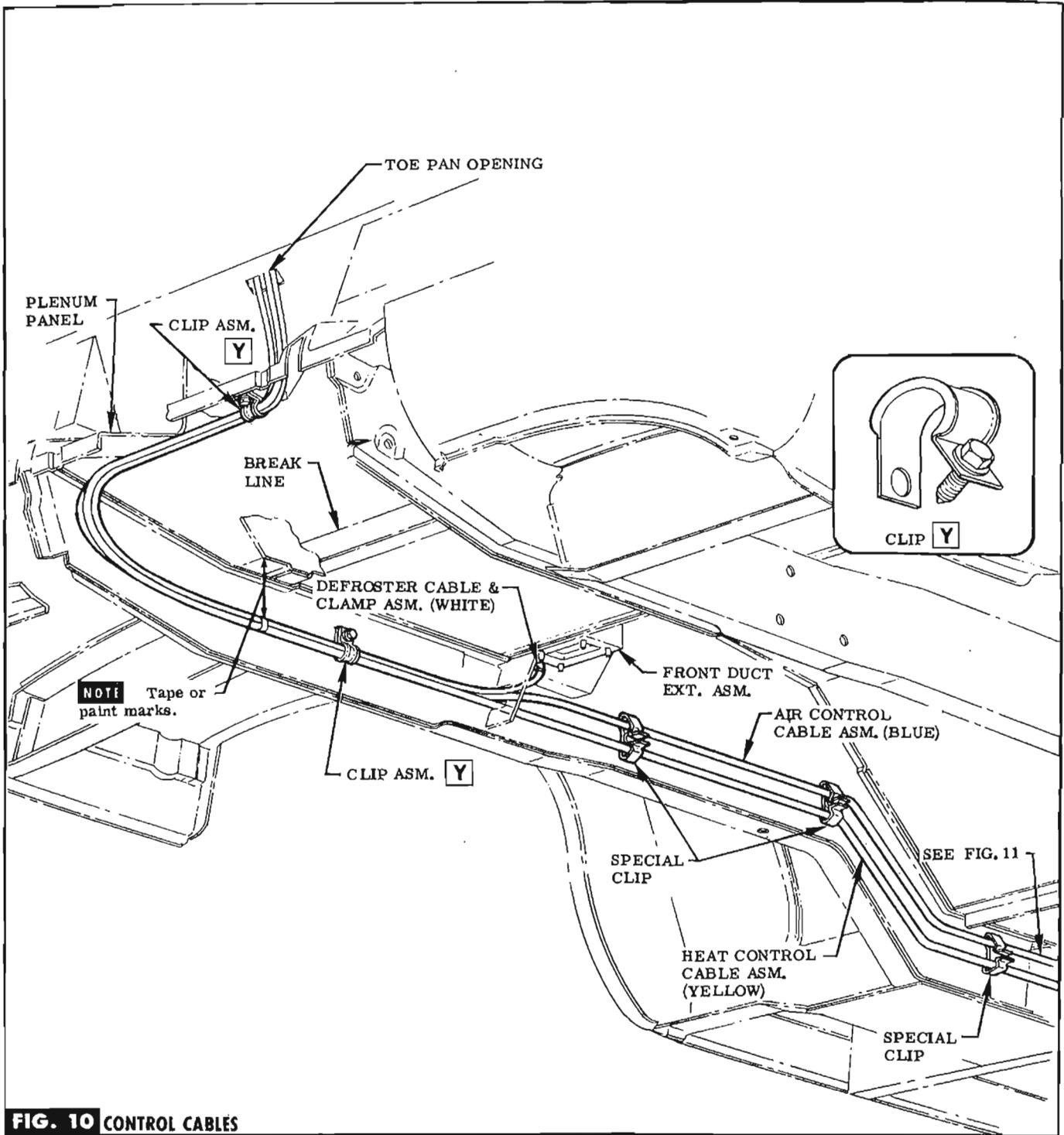


FIG. 10 CONTROL CABLES

STEP 55 ROUTE DEFROSTER CABLE ALONG RIGHT SIDE RAIL THRU TOE PAN OPENING, GROMMET & TO HEATER CONTROL AS SHOWN IN FIG. 9 & 10. ALIGN TAPE OR PAINT MARKS ON THE CABLES DIRECTLY BELOW FLOOR TO TOE PANEL BREAK LINE BEFORE CLIPPING TO UNDERBODY. ROUTE ALL CABLES ALONG RIGHT SIDE RAIL & ATTACH

TO EXISTING HOLES IN PLENUM PANEL & SIDE RAIL WITH CLIPS (IN BAG B). SEE FIG. 10.

STEP 56 ATTACH CLIPS (IN BAG B) TO HEAT & AIR CONTROL CABLES & INSERT CLIPS INTO EXISTING HOLES IN SIDE RAIL. SEE FIG. 10.

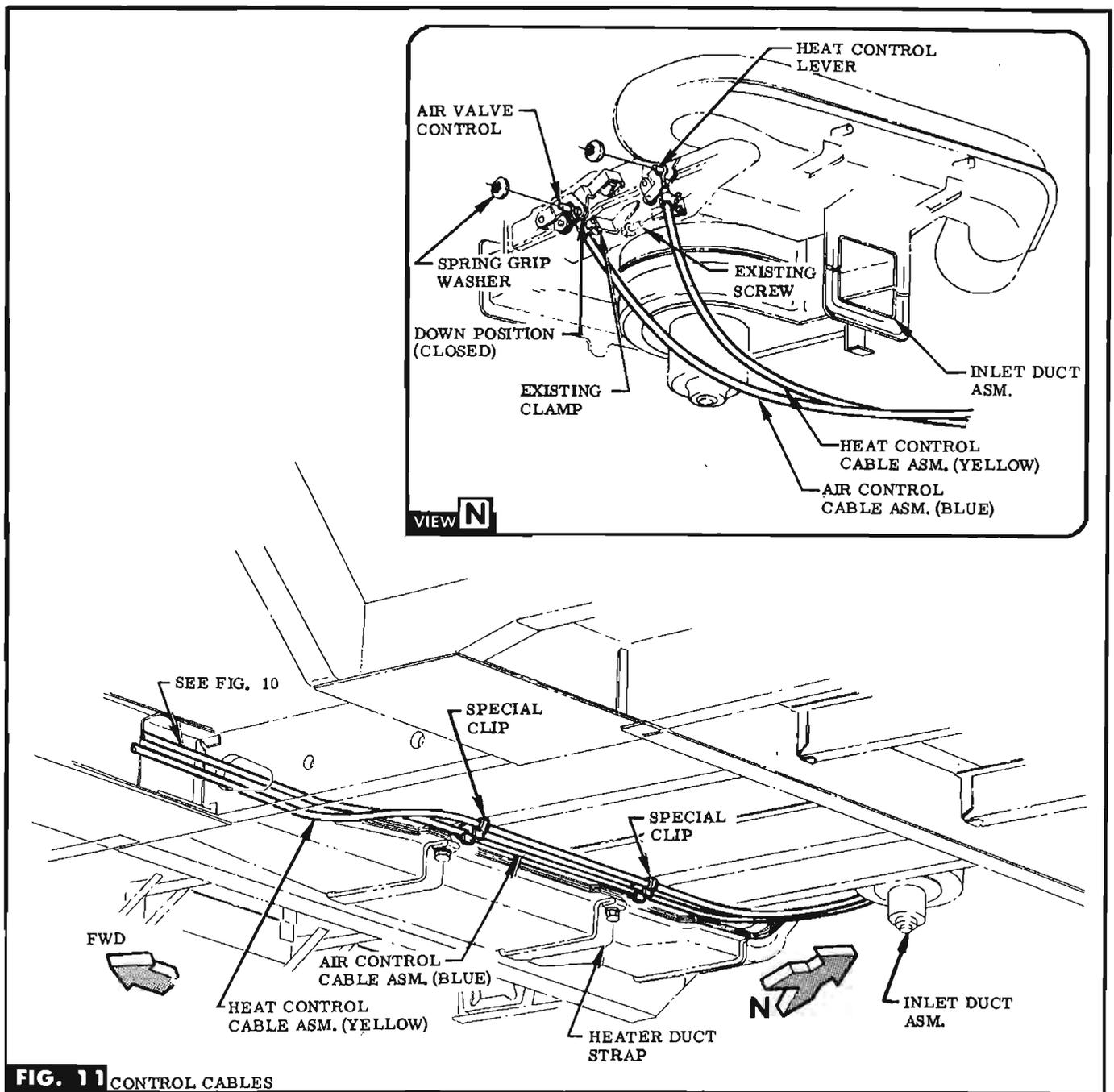


FIG. 11 CONTROL CABLES

STEP 57 INSTALL CLIPS (IN BAG B) TO INTERMEDIATE & REAR CROSSMEMBERS ALONG SIDE DUCT STRAP ATTACHMENTS. SEE FIG. 11.

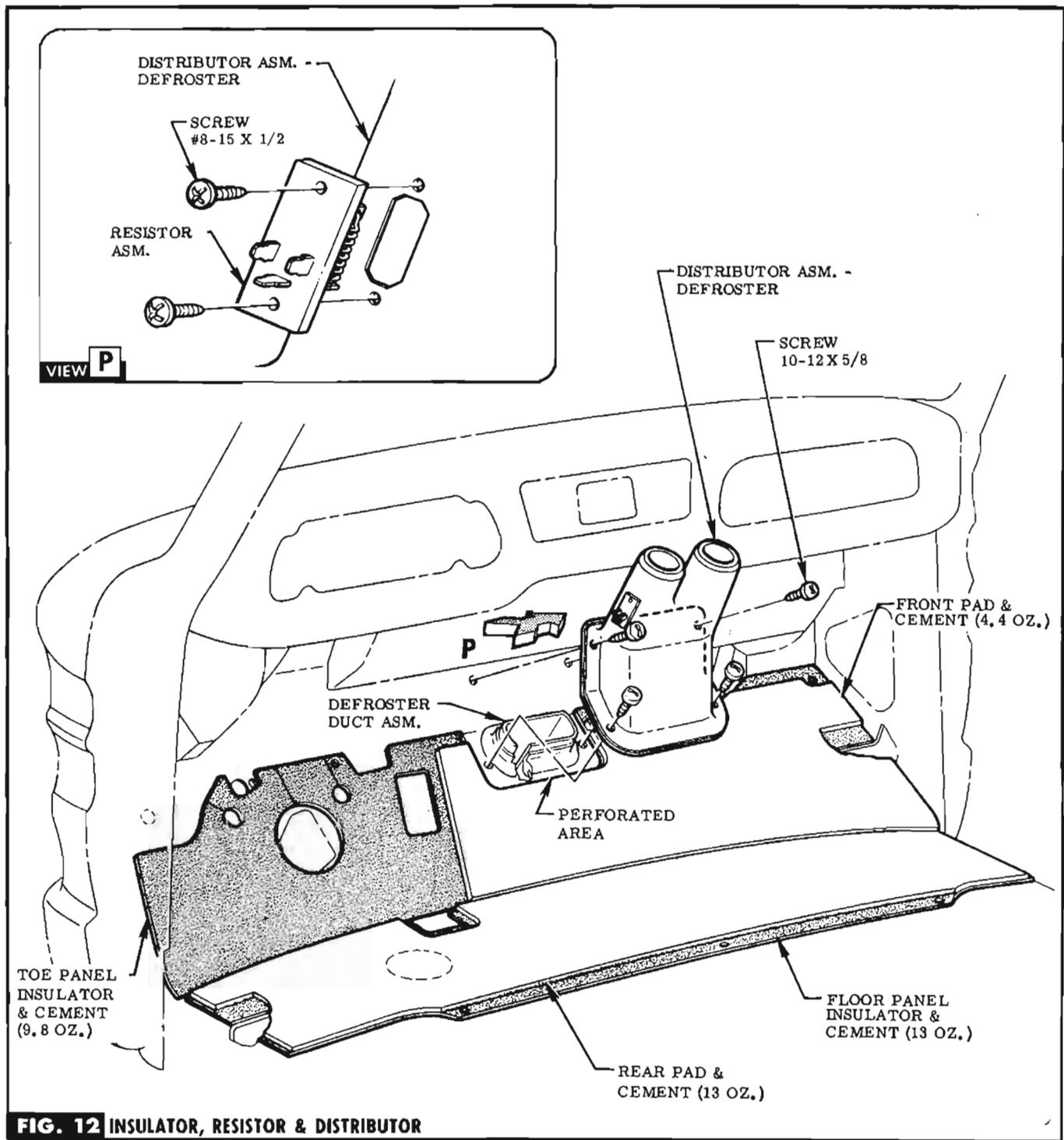
STEP 58 ROUTE HEAT & AIR CONTROL CABLES REARWARD THRU OPENING IN CROSSMEMBER & THRU CLIPS JUST INSTALLED ON INTERMEDIATE & REAR CROSSMEMBERS. SEE FIG. 11.

STEP 59 WITH VALVE CONTROL LINKAGE IN THE OVER-CENTER CLOSED POSITION, LOOSELY ATTACH HEAT & AIR CABLES TO INLET DUCT WITH EXISTING CLAMPS & SCREWS. SECURE WIRE LOOPS OF CABLES TO THEIR RESPECTIVE CONTROLS WITH SPRING GRIP WASHERS (IN BAG A). SEE FIG. 11, VIEW N.

STEP 60 PULL ON HEAT & AIR CONDUIT TO REMOVE LASH & CAUSE CONTROL LEVERS TO SEAT AGAINST 1/8 INCH DIAMETER PIN. THIS WILL GIVE KNOBS 1/4 INCH CLEARANCE TO TOP OF SLOTS. HOLD IN POSITION & TIGHTEN CABLE CLAMP. SEE VIEW N & FIG. 9.

STEP 61 PUSH ON DEFROSTER CONDUIT UNTIL LEVER SEATS BACK AGAINST 1/8 INCH DIAMETER PIN. HOLD IN POSITION & TIGHTEN CABLE CLAMP. SEE FIG. 9 & VIEW M.

STEP 62 REMOVE 1/8 INCH DIA. PIN FROM HEATER CONTROL ASSEMBLY. SEE FIG. 9.



STEP 63 REMOVE EXISTING FLOOR MAT & CEMENT PROVIDED PADS TO UNDERBODY OF FLOOR MAT. CUT OUT PERFORATED AREA. SEE FIG. 1.

STEP 64 CEMENT INSULATORS TO TOE PANEL & FLOOR PANEL, & INSTALL FLOOR MAT. SEE FIG. 12.

STEP 65 ATTACH RESISTOR (IN BAG A) TO DISTRIBUTOR WITH SCREWS (IN BAG A). SEE VIEW P.

STEP 66 INSTALL DISTRIBUTOR WITH SCREWS (IN BAG A). SEE FIG. 12.

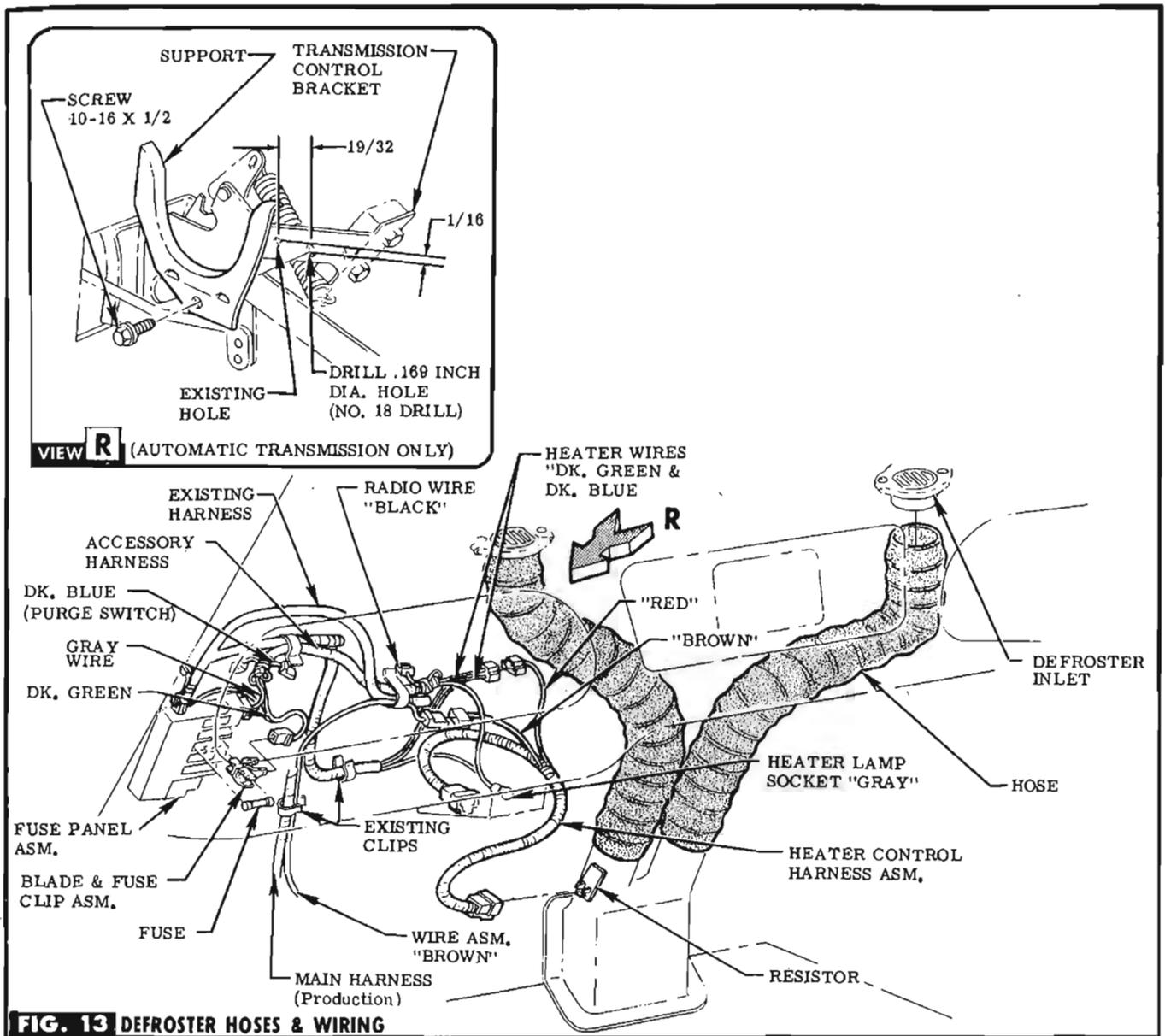


FIG. 13 DEFROSTER HOSES & WIRING

STEP 67 (IF AUTOMATIC TRANSMISSION EXISTS) INSTALL HOSE SUPPORT ON TRANSMISSION CONTROL BRACKET WITH SCREW PROVIDED (IN BAG A), SEE VIEW R.

STEP 68 REMOVE INSTRUMENT PANEL COMPARTMENT, INSTALL DEFROSTER HOSES ON INLETS & DISTRIBUTOR ASM, SEE FIG. 13. REPLACE INSTRUMENT PANEL COMPARTMENT. **NOTE** If automatic transmission exists route L. H. hoses over hose support.

STEP 69 INSTALL BLADE & FUSE CLIP INTO RECEPTACLE MARKED "HEATER B. U. LPS." ON FUSE PANEL, SEE FIG. 13.

STEP 70 UNTAPE DK. GREEN WIRE CONNECTOR FROM EXISTING HARNESS & PLUG INTO FUSE CLIP PREVIOUSLY INSTALLED. SEE FIG. 13.

NOTE If Dk. Green Connector does not exist procure a "Accessory Harness Unit" from dealer & install.

STEP 71 IF ACCESSORY HARNESS HAS BEEN INSTALLED, UNTAPE & PLUG GRAY LEAD CONNECTOR INTO RECEPTACLE IN FUSE PANEL MARKED "PANEL LPS." SEE FIG. 13.

NOTE If Radio exists, wire will always be connected.

STEP 72 PLUG LOOSE END OF HEATER CONTROL HARNESS ASM. INTO RESISTOR ON DISTRIBUTOR. SEE FIG. 13.

STEP 73 CONNECT RED LEAD FROM HEATER HARNESS WITH DK. BLUE & GREEN WIRE CONNECTOR (FROM EXISTING OR ACCESSORY HARNESS), ROUTE BROWN LEAD (FROM GROMMET IN TOE PANEL) ALONG EXISTING HARNESS & CONNECT TO BROWN LEAD OF HEATER HARNESS, SEE FIG. 13.

STEP 74 INSERT FUSE INTO FUSE CLIP ASM, PREVIOUSLY INSTALLED. SEE FIG. 13.

STEP 75 REPLACE PARTS PREVIOUSLY REMOVED.

NOTE Discard any remaining parts, they are used on other models.

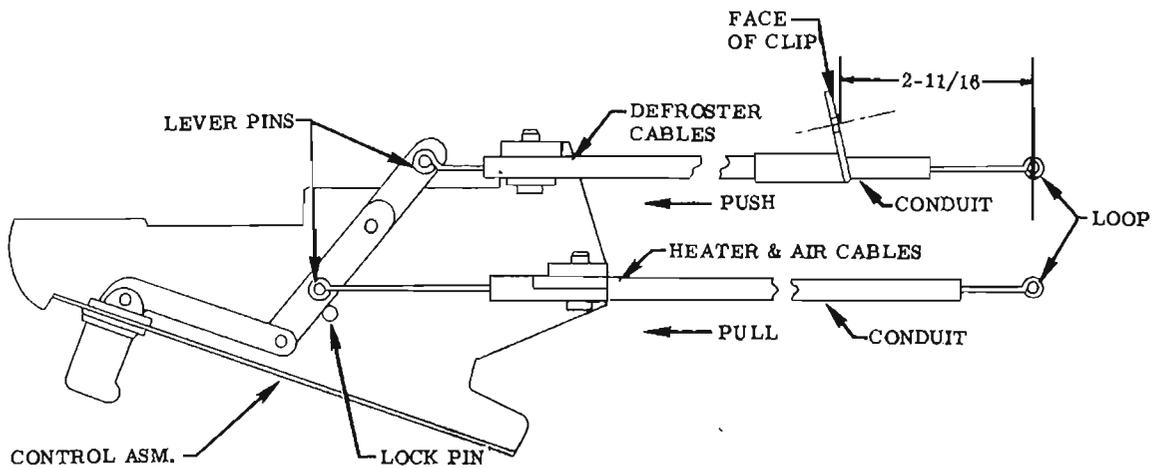


FIG. 14 INSTALLATION & ADJUSTMENT

STEP 77 INSTALLATION & ADJUSTMENT SUMMARY

PROCEDURE

1. ATTACH DEFROSTER CABLE LOOP (FIXED CLIP END) TO FRONT DUCT EXTENSION CONTROL ROD. SEE STEP 3.
2. ATTACH DEFROSTER CABLE (FIXED CLIP) TO FRONT DUCT EXTENSION. SEE STEP 4.
3. RAISE ALL CONTROL LEVERS TO THE TOP OF SLOTS. SEE STEP 47.
4. INSERT PIN THRU HOLES IN CONTROL ASSEMBLY. SEE STEP 47.
5. ATTACH HEAT & AIR CABLES TO CONTROL & LEVER PINS. SEE STEP 48.
6. LOOSELY ATTACH DEFROSTER CABLE TO CONTROL & LEVER PIN. SEE STEP 49.
7. INSTALL CONTROL & CABLE ASSEMBLY INTO VEHICLE. SEE STEP 54.
8. ATTACH HEAT & AIR CABLES TO INLET DUCT ASSEMBLY. SEE STEPS 59 & 60.
9. TIGHTEN CLAMPS ON CABLES. SEE STEPS 60 & 61.
10. REMOVE PIN FROM CONTROL ASSEMBLY. SEE STEP 62.