

1962 Thunderbird Electrical Assembly Manual

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J			
K			

DATE 3-7-62 SUPERSEDES 12-26-61
 ADDED PAGE E2-4670-4

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ENGINE ASSEMBLY

STARTER, GENERATOR, DISTRIBUTOR, COIL, SPARK PLUGS, RADIO RECEIVER SUPPRESSION ETC.

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390 C.I.D. EES (6V) (R.P.O. S-60) _____	E2-4210-1-2

INSTRUMENT PANEL

CLUSTER, COURTESY LAMP WIRING, INSTRUMENTS & CONTROLS, ELECT. CLOCK, CHOKE-RADIO RECEIVER SUPPRESSION, PARKING BRAKE WARNING LAMP, MAP LAMP,

CLUSTER & CONTROLS, PARKING BRAKE WARNING LAMP _____	E2-4300-1
CLUSTER, WIRING, CHOKE-RADIO RECEIVER SUPPRESSION _____	E2-4300-2
INSTRUMENT PANEL WIRING _____	E2-4300-3
MAP LAMP _____	E2-4300-4

BODY ASSEMBLY

DOME LAMP, COURTESY LAMP SWITCHES, REAR LAMP WIRING, CIGAR LIGHTER, WIPER CONTROL, AIR CONTROLS, SPEEDOMETER CABLE, HOOD BOND, GLOVE COMPARTMENT LAMP, ENGINE COMPT. WIRING, VOLTAGE REGULATOR, STARTER RELAY, HORN RELAY, HORNS, RADIO RECEIVER SUPPRESSION, TOP CONTROL, LUGGAGE COMPARTMENT LAMP, PARKING BRAKE WARNING SWITCH

HEADLAMPS _____	E2-4320-1
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FINAL ASSEMBLY

PARKING LAMPS, REAR LAMPS, BACK-UP LAMPS GENERATOR WIRING, FUEL SENDING UNIT, RADIO SUPPRESSION, TURN SIGNAL, HEADLAMPS, BATTERY.

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CODE DESCRIPTION

2-DOOR HARDTOP _____	63A
2-DOOR CONVERTIBLE _____	76A

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H	WINDOW REGULATOR CIRCUIT _____	E2-4870-1

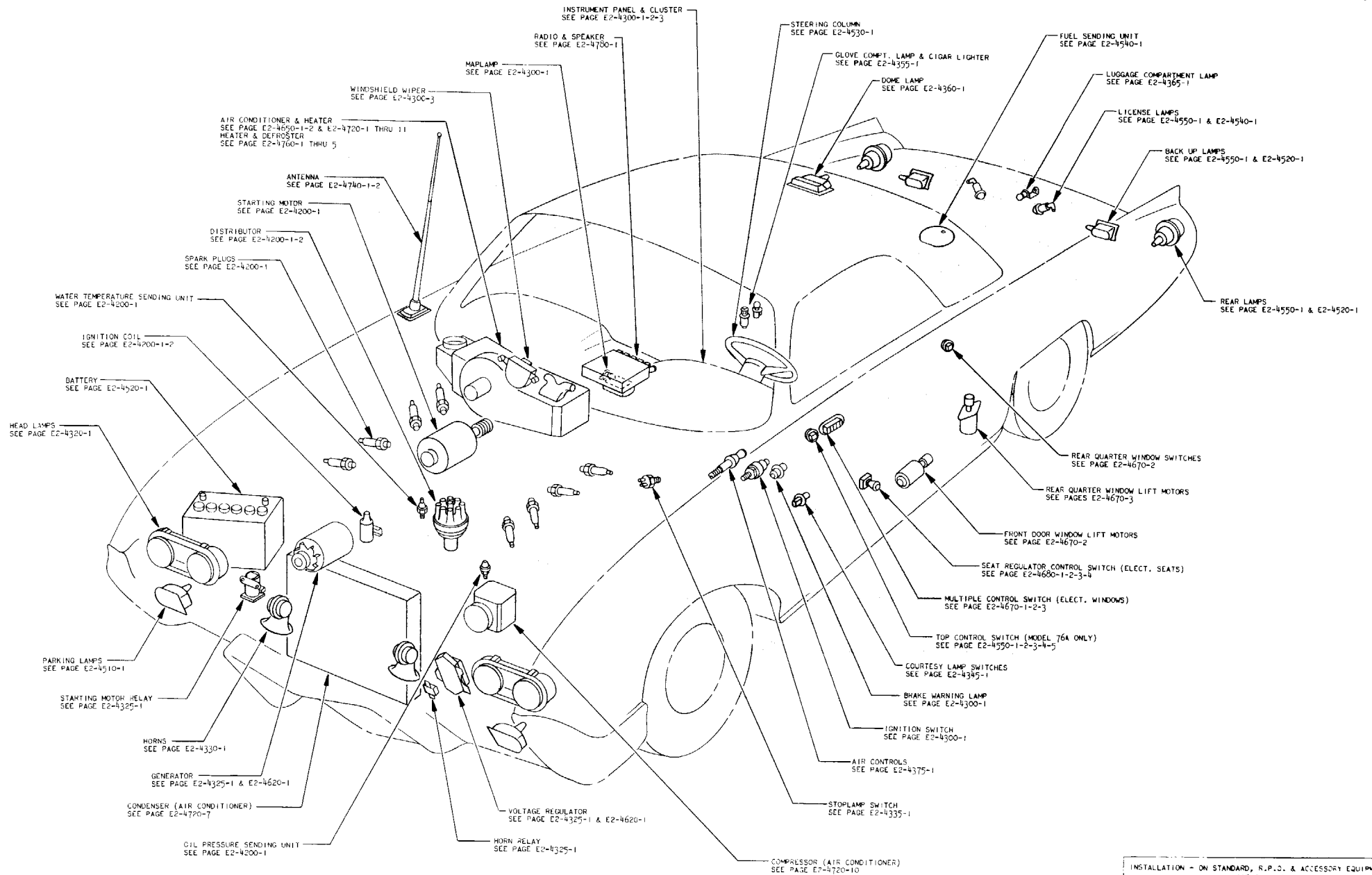


ILLUSTRATION SECTION

DATE 1-31-62 SUPERSEDES 4-7-61
 EFFECTIVE WITH CSN1-129604 #2
 REVISED PAGE NUMBERS.

INSTALLATION - ON STANDARD, R.P.O. & ACCESSORY EQUIPMENT
 MODELS - ALL
THUNDERBIRD PAGE E2-20C-1

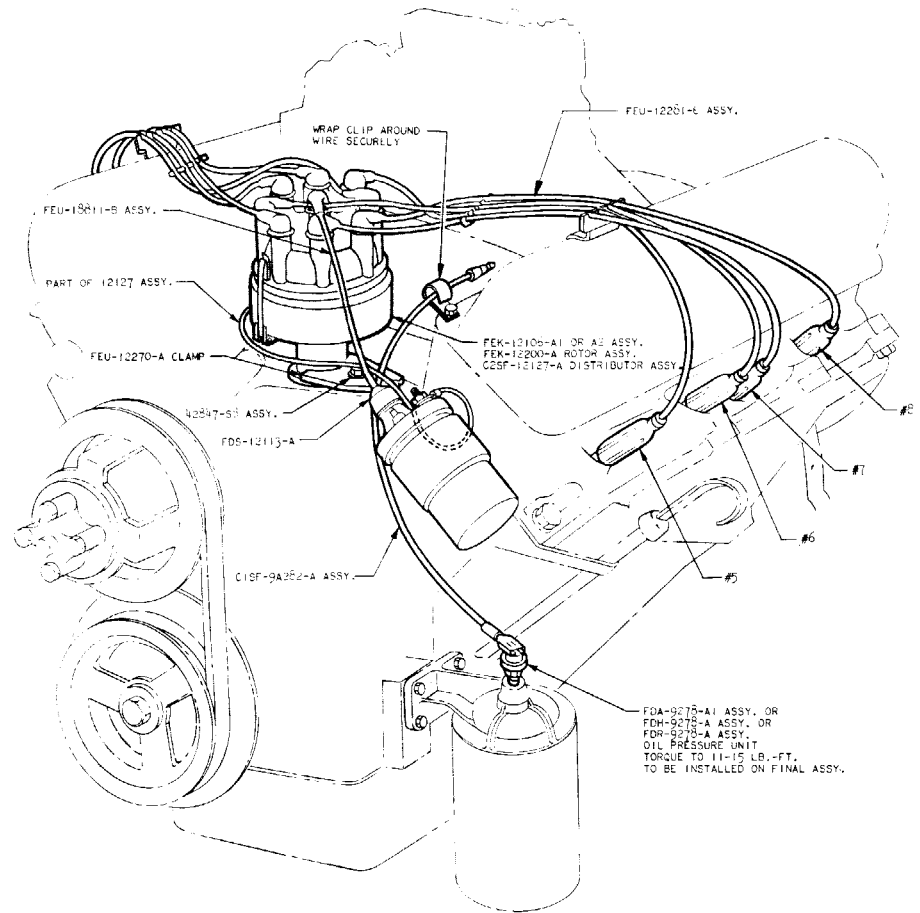
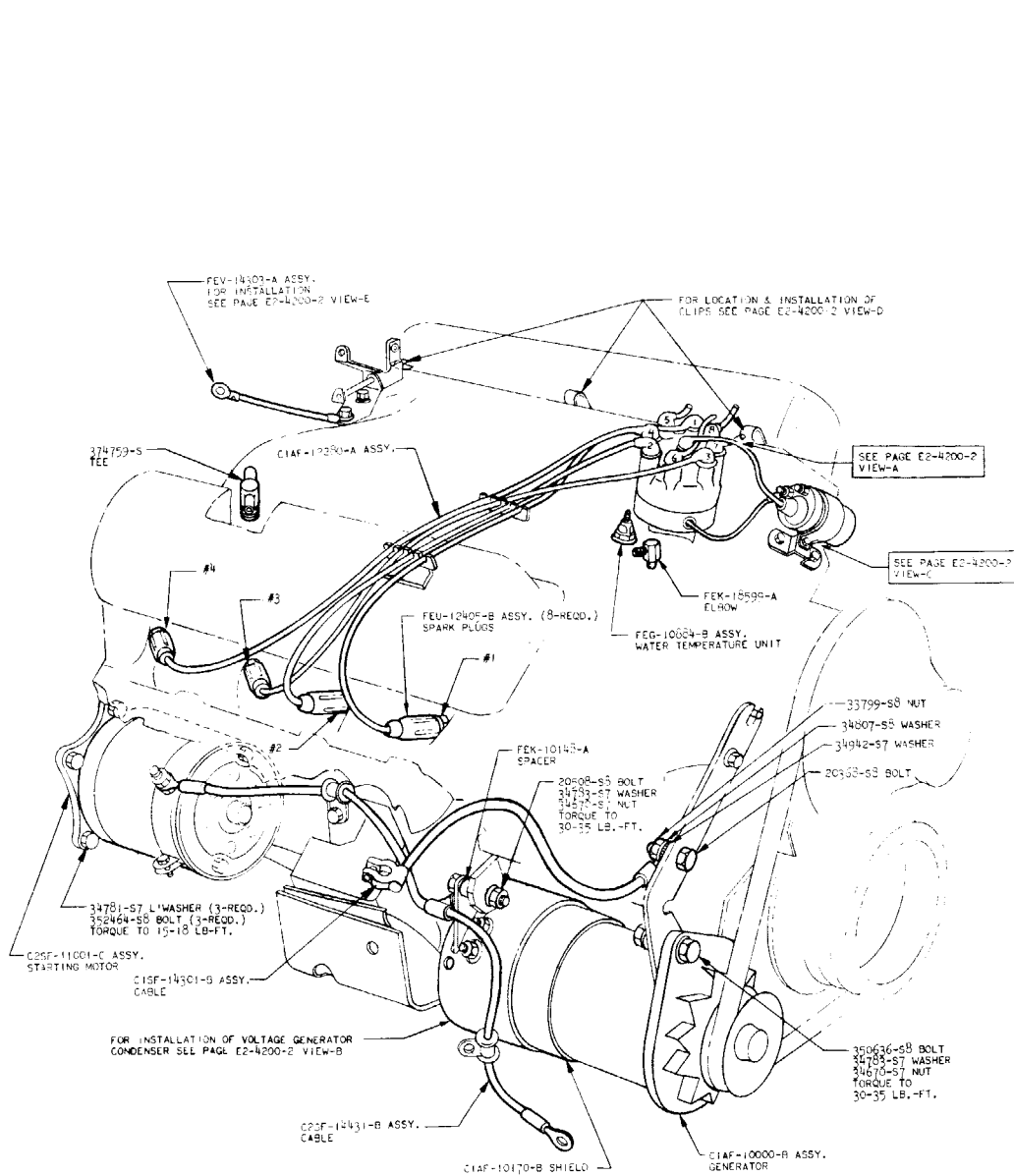
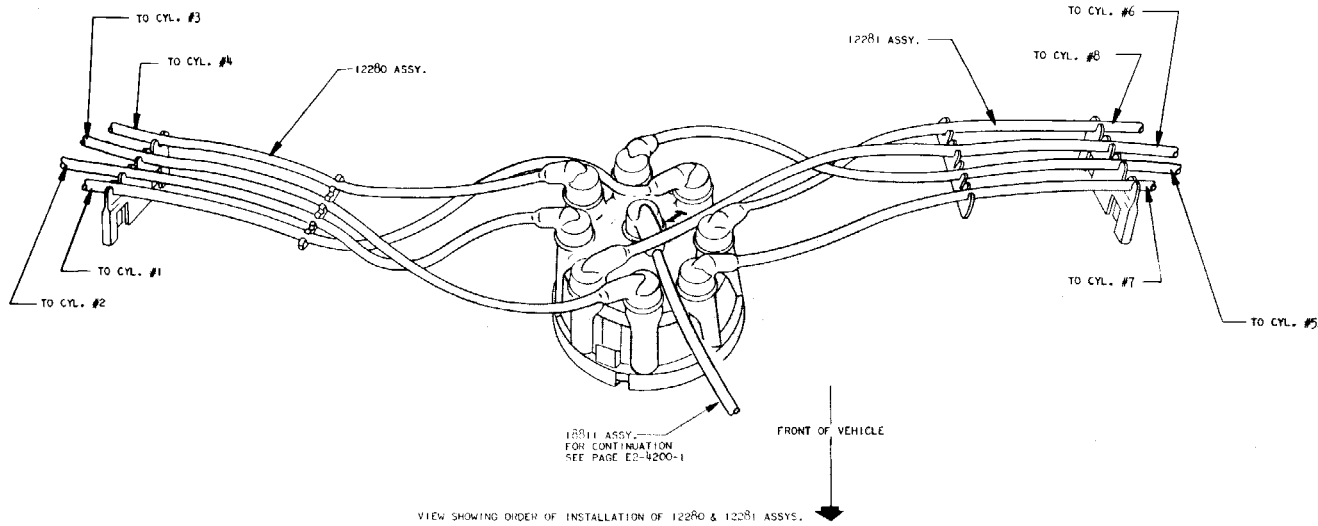


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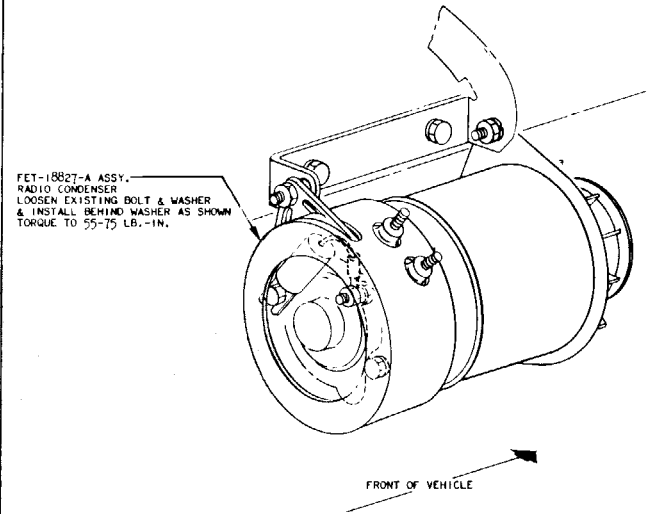
DATE 4-3-62 SUPERSEDES E-26-62
 EFFECTIVE WITH CSN-115464
 C22F-11001-C WAS PAY-11001-A

INSTALLATION - ON ENGINE ASSY.
 MODELS WITH EES-B ENGINE
 (390 C.I.D.)
 THUNDERBIRD PAGE E2-4200-1



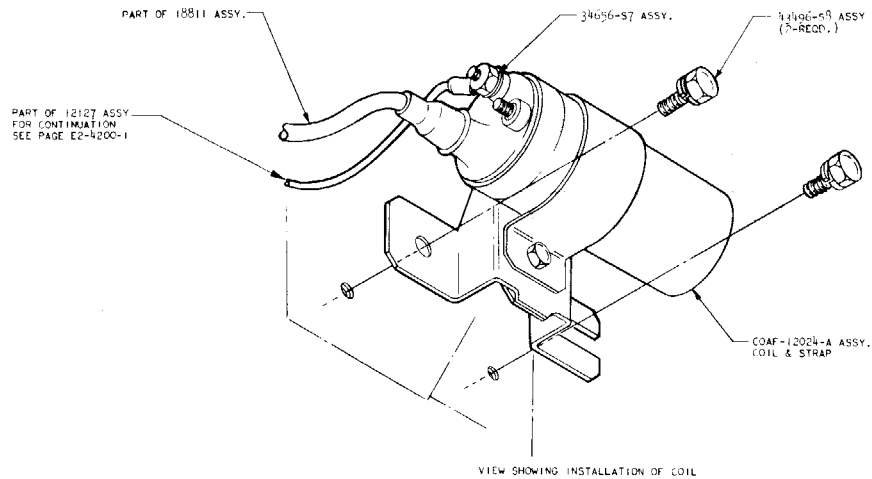
VIEW SHOWING ORDER OF INSTALLATION OF 12280 & 12281 ASSYS.

VIEW-A



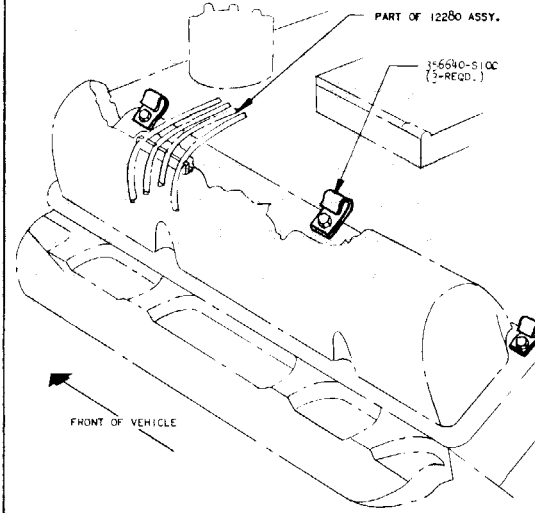
VIEW SHOWING INSTALLATION OF RADIO CONDENSER

VIEW-B

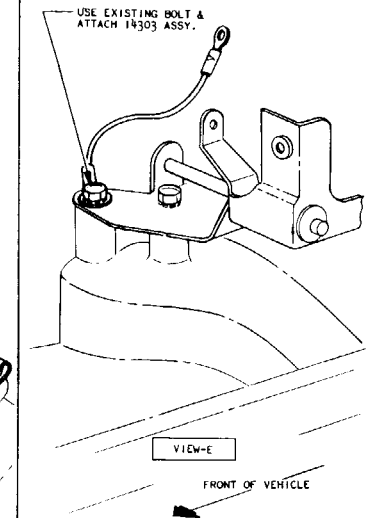


VIEW SHOWING INSTALLATION OF COIL

VIEW-C



VIEW-D



VIEW-E

FRONT OF VEHICLE

INSTALLATION - ON ENGINE ASSY.
 MODELS - WITH EES ENGINE
 (390 C.I.D.)

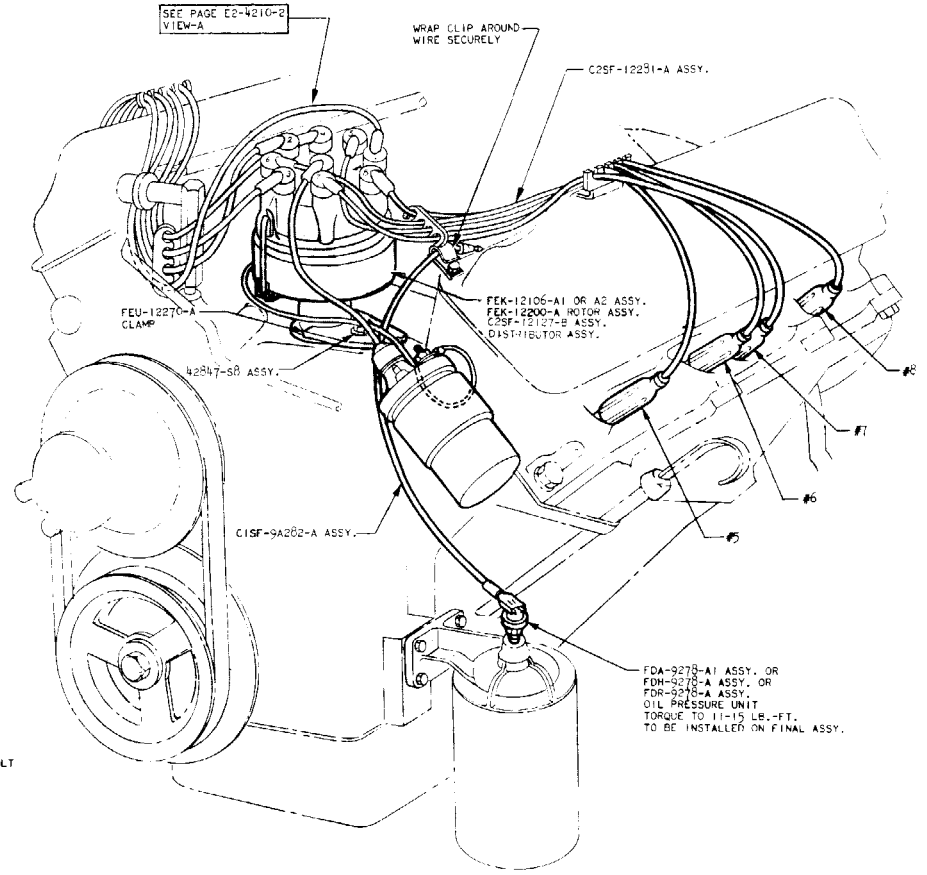
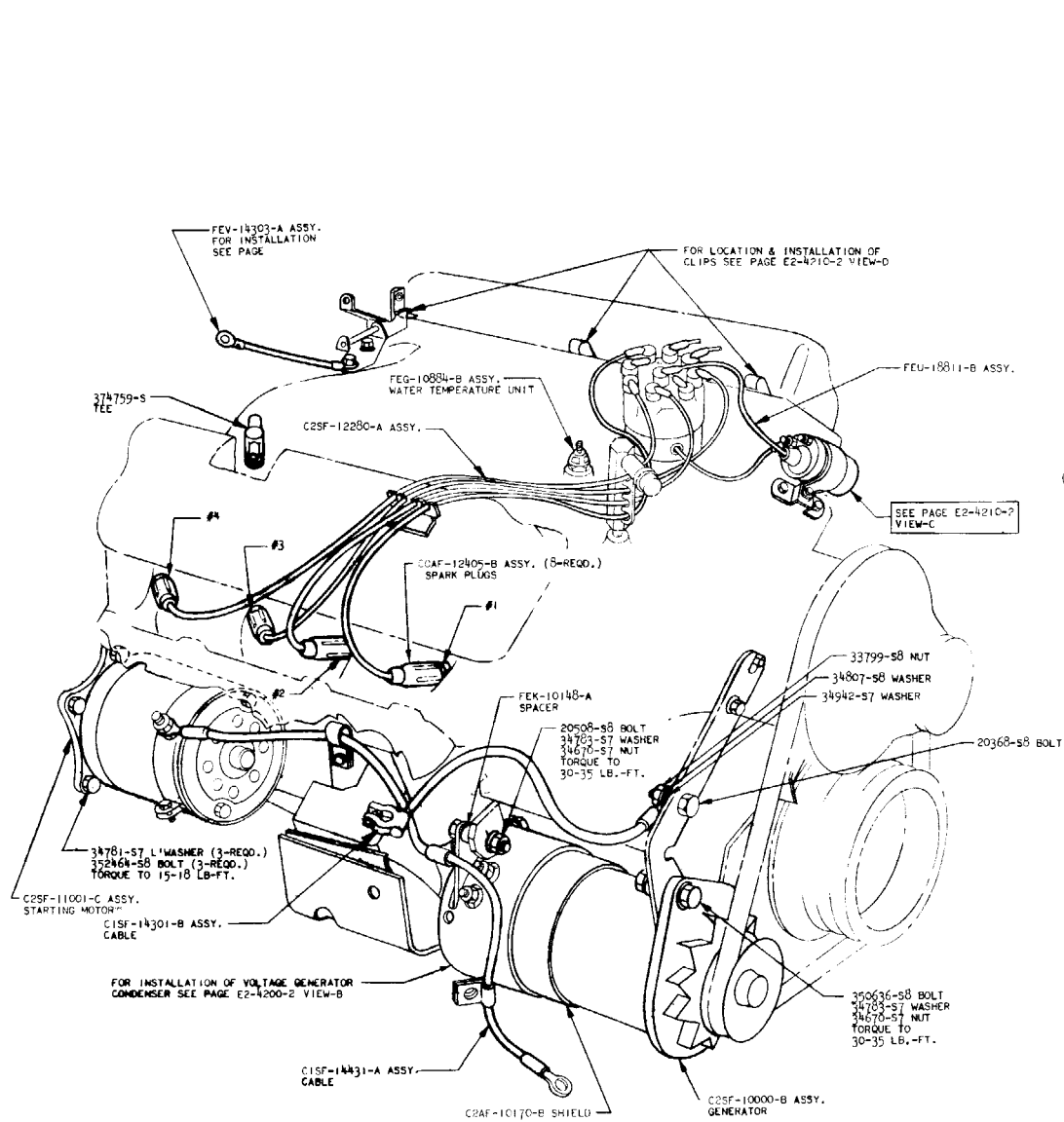
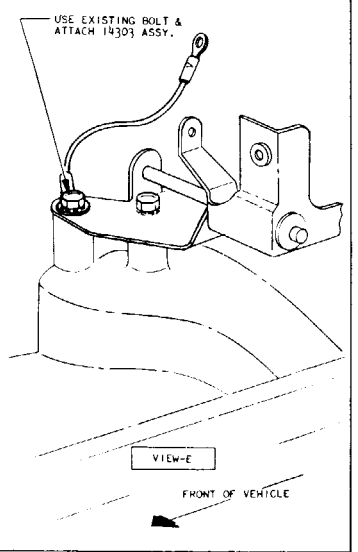
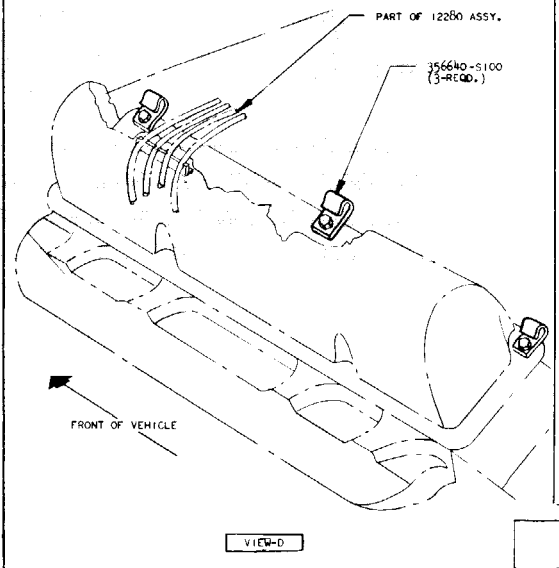
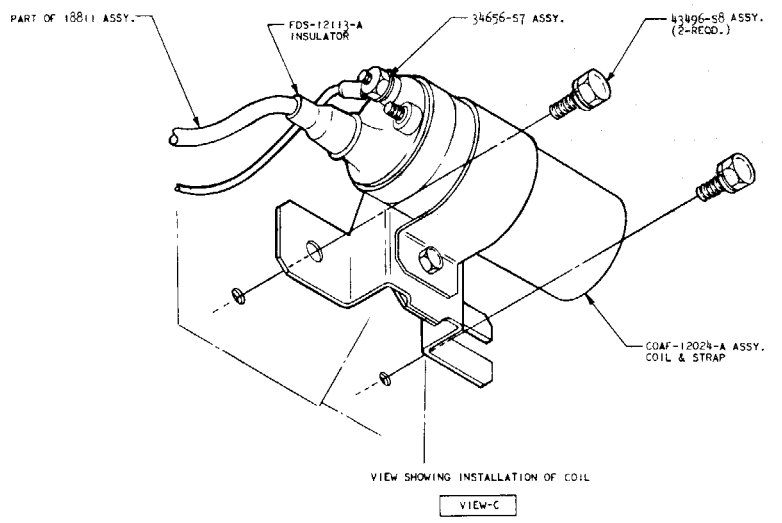
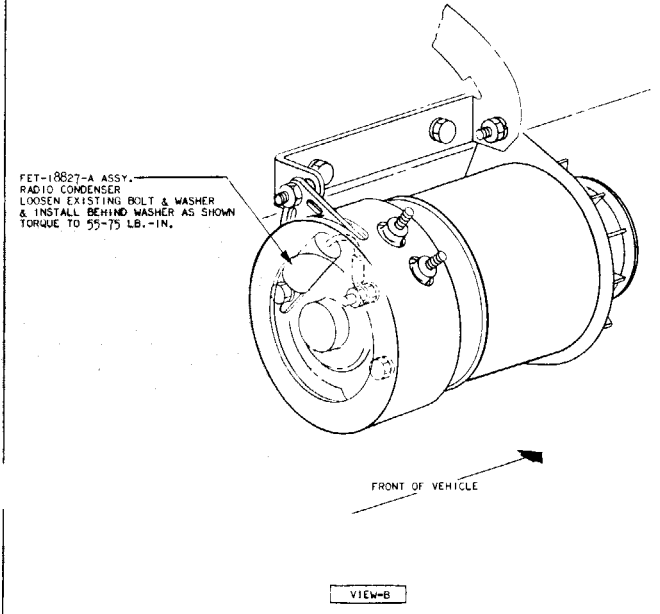
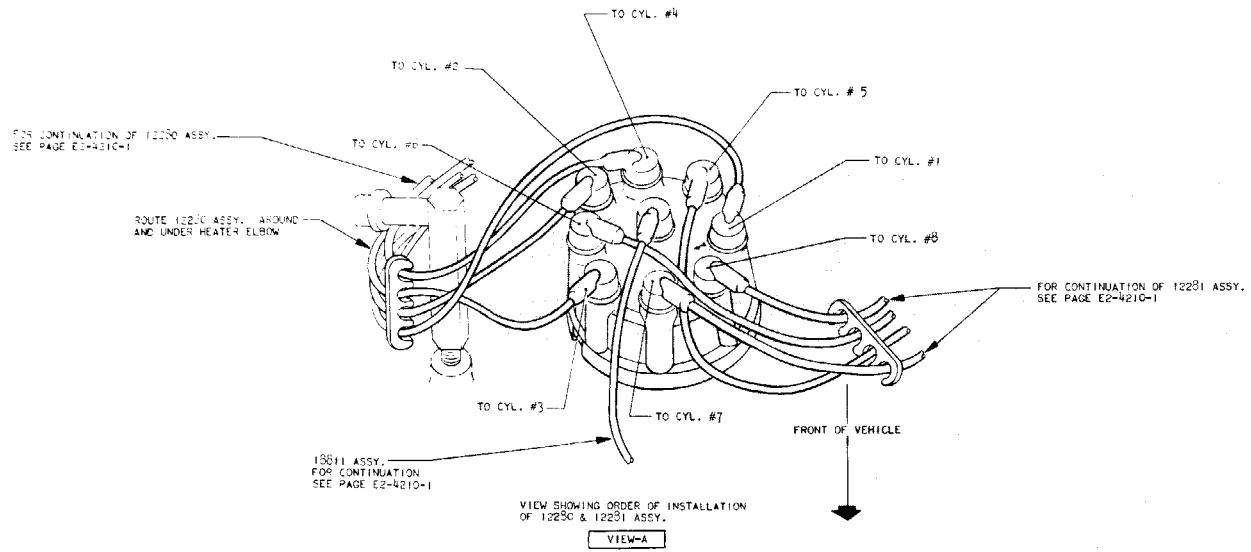


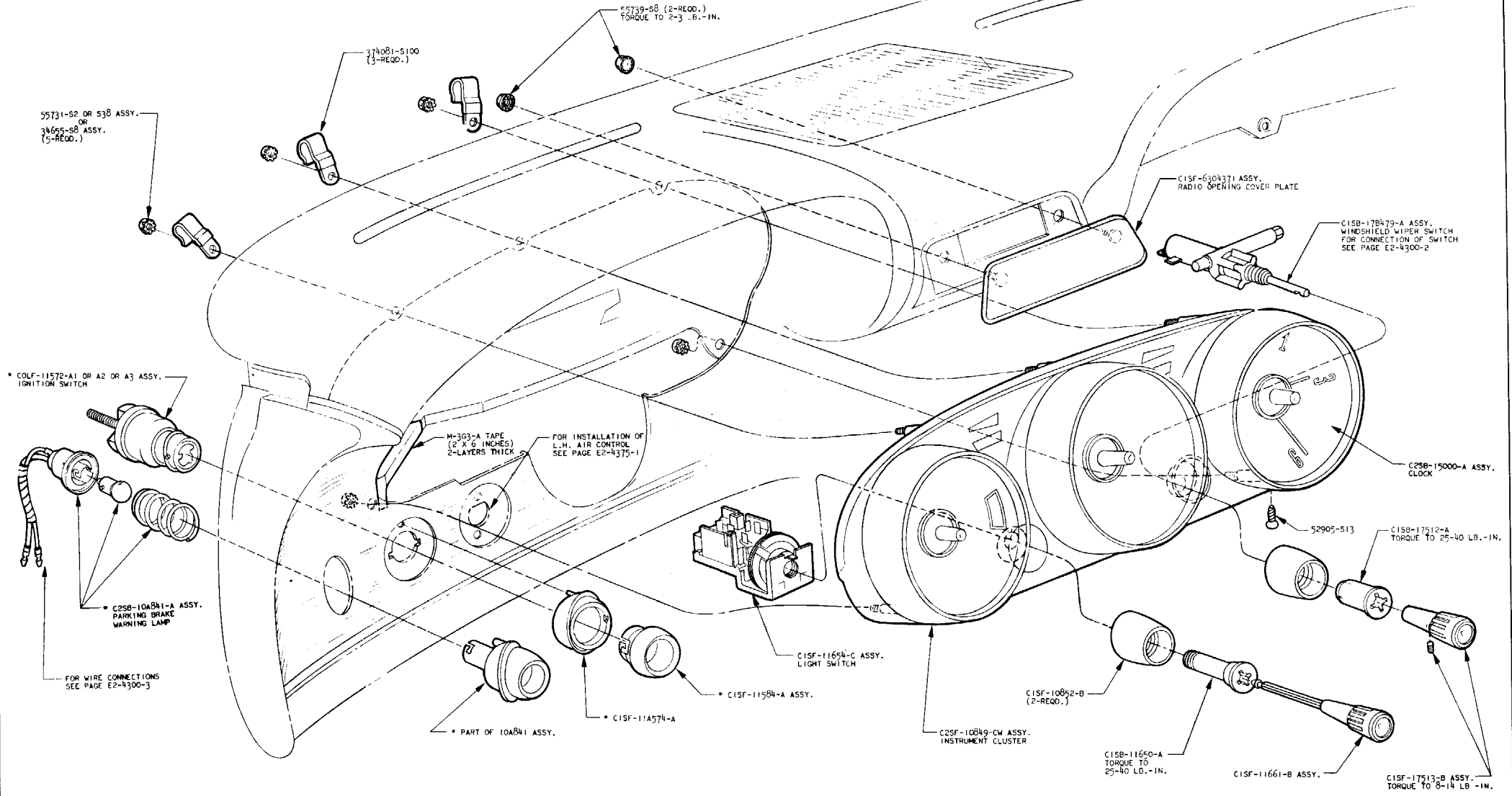
ILLUSTRATION SECTION

DATE 4-27-62 SUPERSEDES 4-3-62
 EFFECTIVE WITH CSN8-173509

INSTALLATION - ON ENGINE ASSY.
 MODELS WITH EES-B ENGINE 390 C.I.D. 6 V
 R.F.D. 5-00



INSTALLATION - ON ENGINE ASSY.
 MODELS WITH EGS-B ENGINE 300 C.I.D. 6 V
 H.P.D. 5-RC
THUNDERBIRD PAGE E2-4210-2



* COLF-11572-A1 OR A2 OR A3 ASSY.
 IGNITION SWITCH

* C2SB-10A841-A ASSY.
 PARKING BRAKE
 WARNING LAMP

FOR WIRE CONNECTIONS
 SEE PAGE E2-4300-3

374081-5100
 (3-REQD.)

55739-68 (2-REQD.)
 TORQUE TO 2-3 LB.-IN.

C1SF-6304371 ASSY.
 RADIO OPERING COVER PLATE

C1SB-17B479-A ASSY.
 WINDSHIELD WIPER SWITCH
 FOR CONNECTION OF SWITCH
 SEE PAGE E2-4300-2

M-363-A TAPE
 (2 X 6 INCHES)
 2-LAYERS THICK

FOR INSTALLATION OF
 L.H. AIR CONTROL
 SEE PAGE E2-4375-1

C2SB-15000-A ASSY.
 CLOCK

52905-513 C1SB-17512-A
 TORQUE TO 25-40 LB.-IN.

C1SF-11654-G ASSY.
 LIGHT SWITCH

* C1SF-11584-A ASSY.

* PART OF 10A841 ASSY.

* C1SF-11A574-A

C2SF-10849-CW ASSY.
 INSTRUMENT CLUSTER

C1SF-10852-B
 (2-REQD.)

C1SB-11650-A
 TORQUE TO
 25-40 LB.-IN.

C1SF-11661-B ASSY.

C1SF-17513-B ASSY.
 TORQUE TO 8-14 LB.-IN.

NOTE:
 * THESE ITEMS TO BE
 INSTALLED AT BODY TRIM

INSTALLATION - ON INSTRUMENT PANEL ASSY.
 (CLUSTER & CONTROLS)
 MODELS - ALL
THUNDERBIRD PAGE E2-4300-1

ILLUSTRATION SECTION

DATE 3-27-62 SUPERSEDES 3-12-62
 EFFECTIVE WITH CSN1-130905
 C2SB-10A841-A WAS C1SF-10A841-A

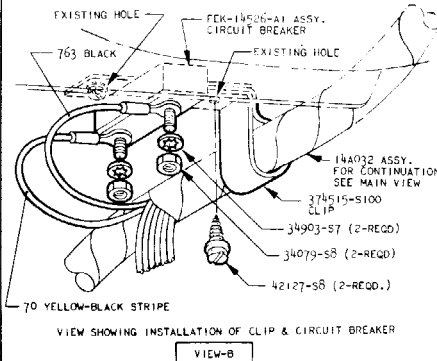
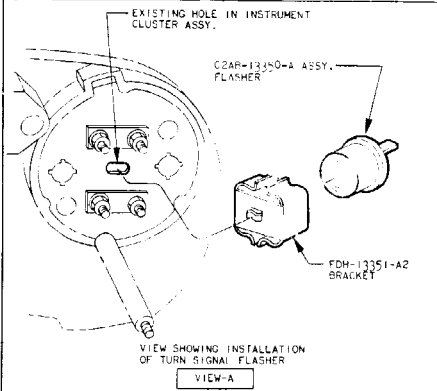
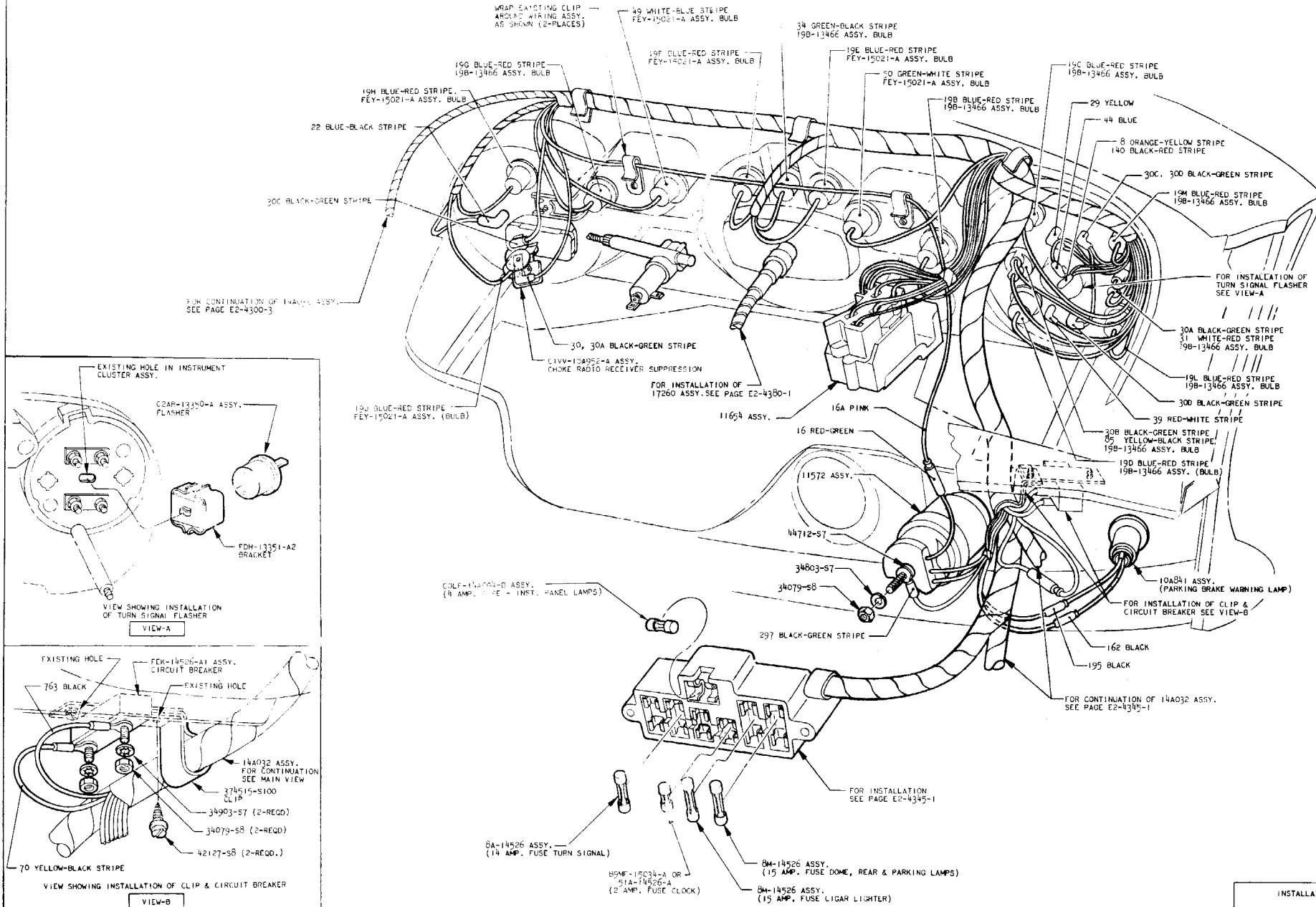
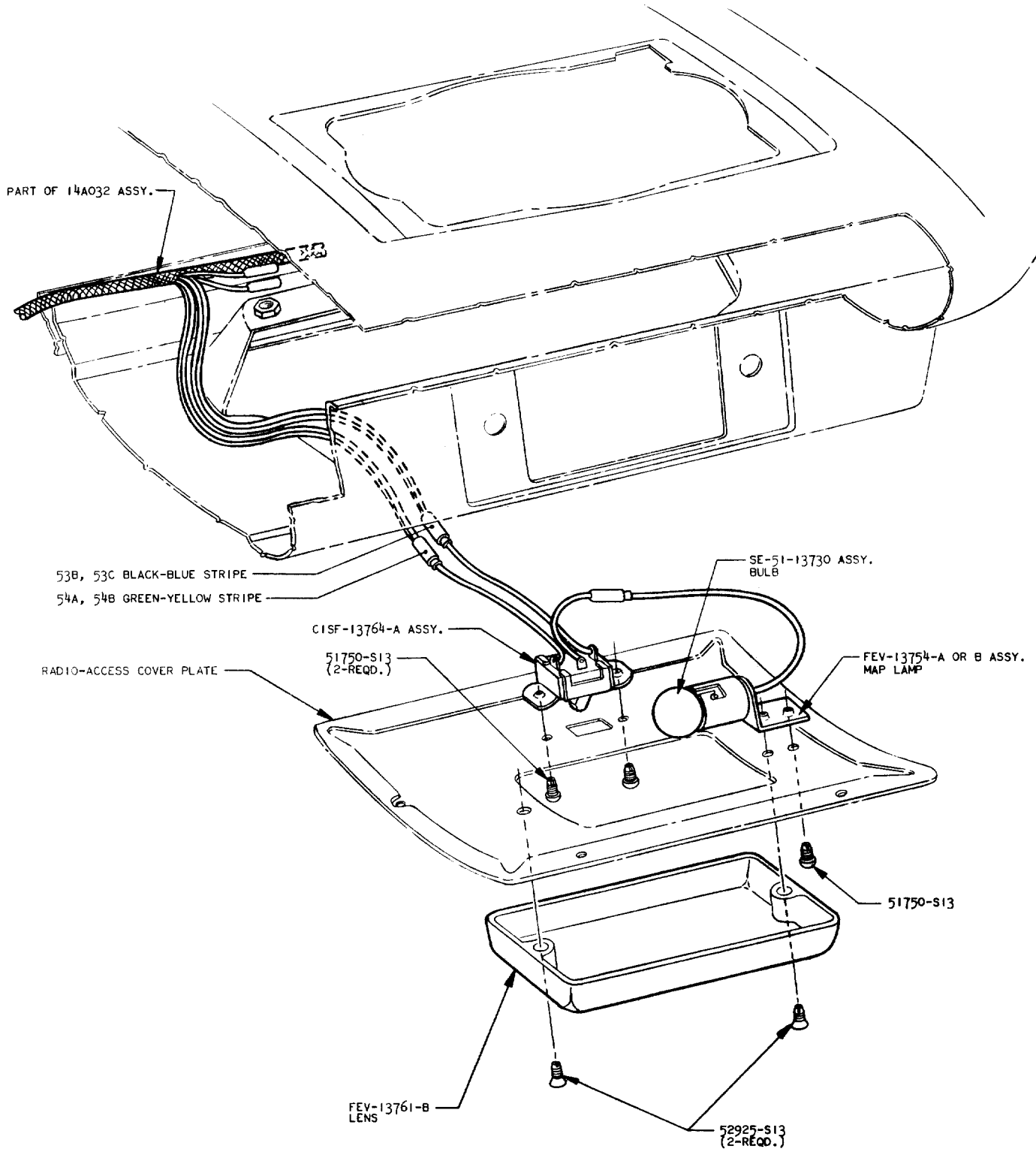


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DATE 3-18-62 SUPERSEDES 3-12-62
 EFFECTIVE WITH CSNI-130483
 B9M-15034-A OR 51A-14526-A WAS F0T-15035-A

INSTALLATION - ON INSTRUMENT PANEL ASSY. (CLUSTER WIRING)
 MODELS - ALL
THUNDERBIRD PAGE E2-4300-2



INSTALLATION - ON INSTRUMENT PANEL ASSY.
(MAP LAMP)
MODELS - ALL

THUNDERBIRD PAGE E2-4300-4

ILLUSTRATION SECTION

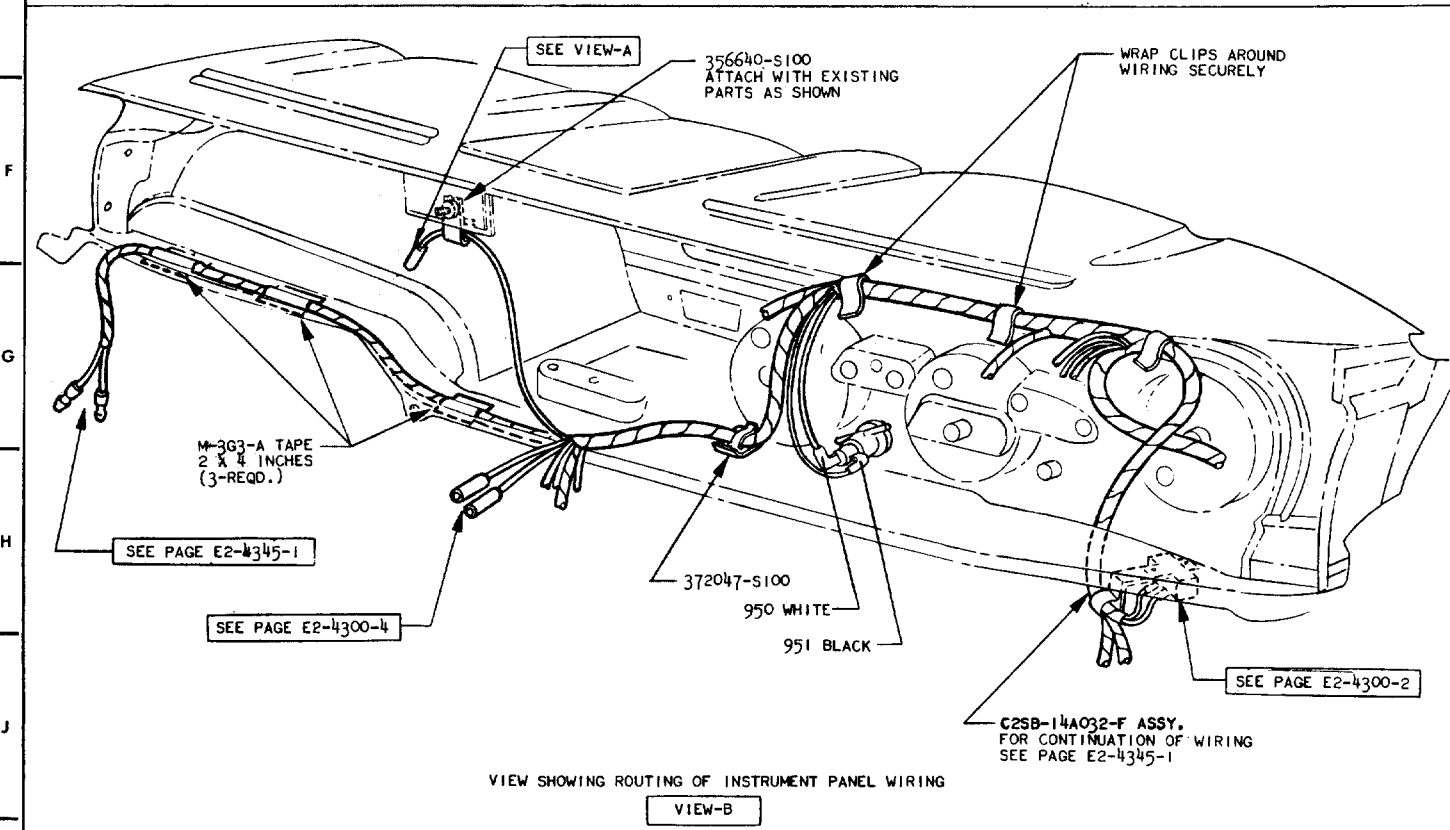
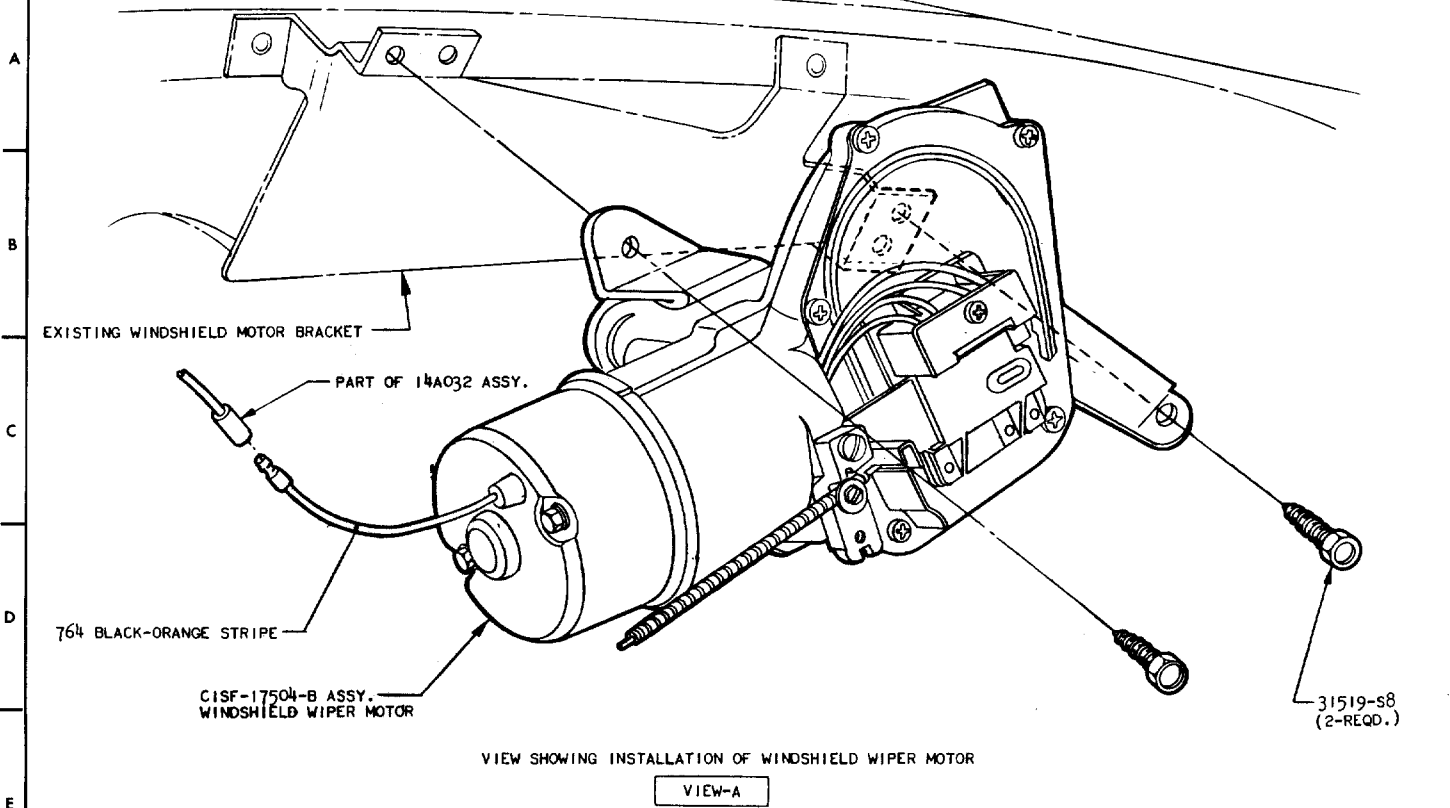
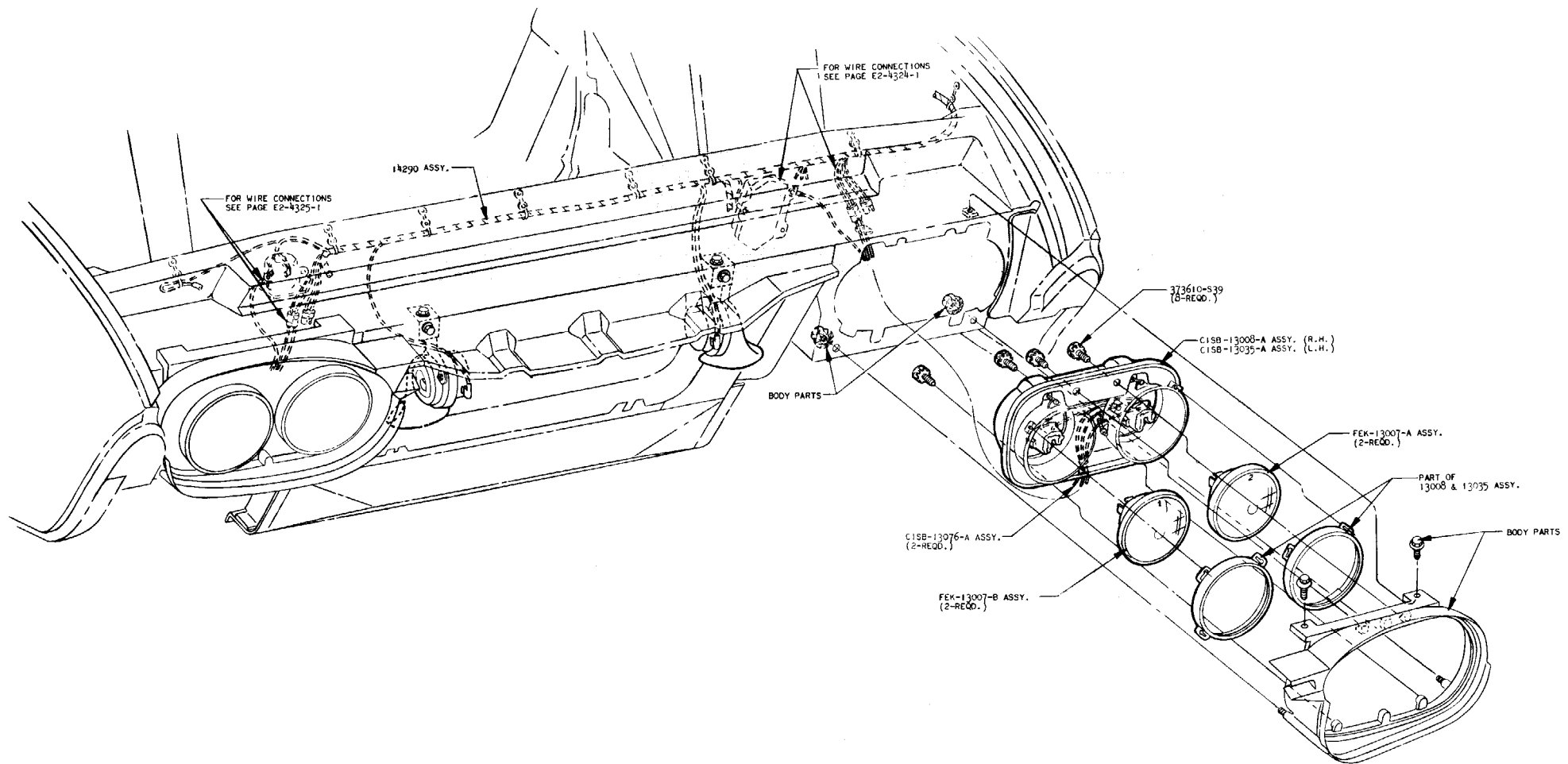


ILLUSTRATION SECTION

INSTALLATION - ON INSTRUMENT PANEL ASSY.
 (WIRING)
 MODELS - ALL
THUNDERBIRD PAGE E2-4300-3

DATE 3-30-62 SUPERSEDES 3-21-62
 EFFECTIVE WITH CSN1-130483
 C2SB-14A032-F WAS E



INSTALLATION - ON BODY ASSY.
 (HEADLAMPS)
 MODELS - ALL
THUNDERBIRD PAGE E2-4320-1

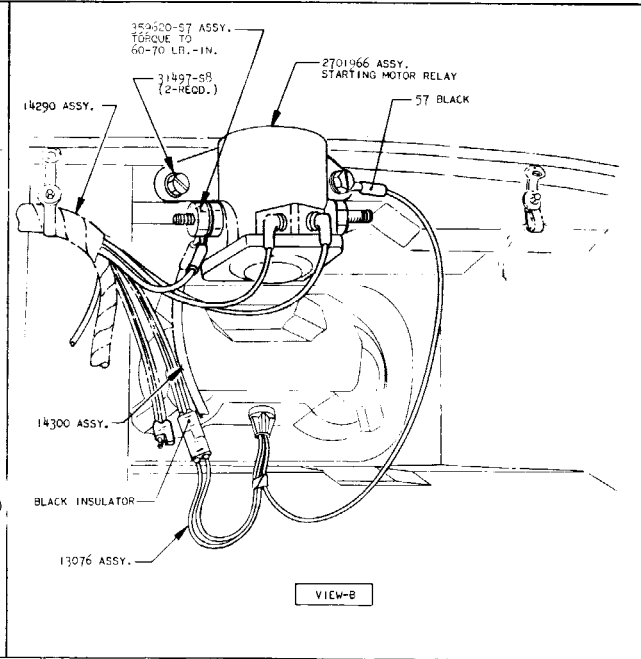
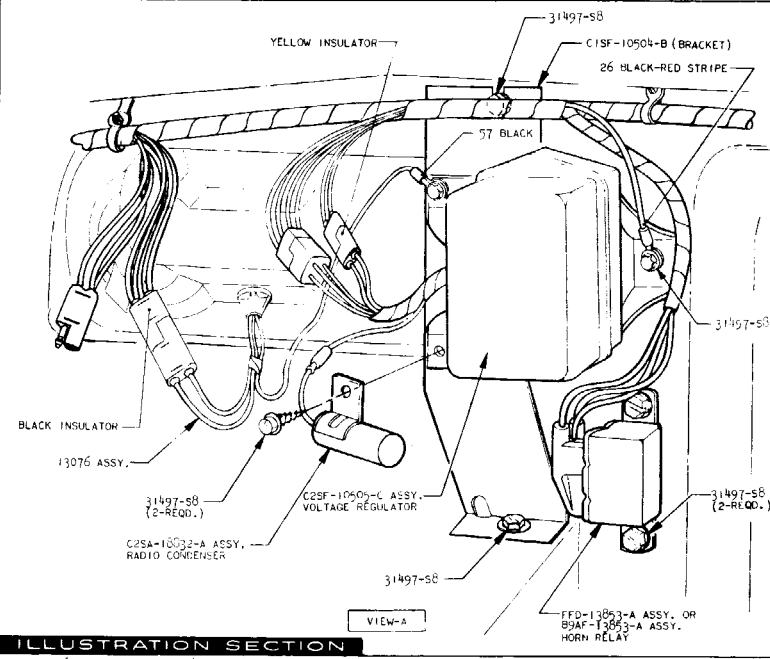
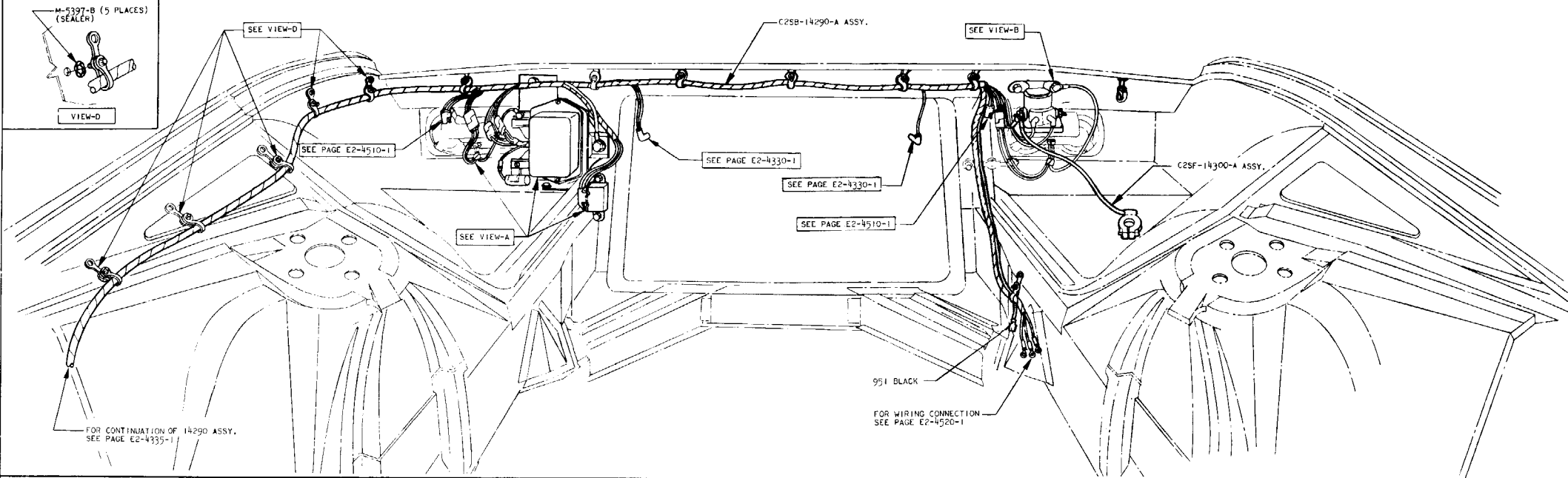


ILLUSTRATION SECTION

INSTALLATION - ON BODY ASSY.
 (VOLTAGE REGULATOR, STARTER RELAY, HORN RELAY)
 MODEL 63A
THUNDERBIRD PAGE E2-4325-1

DATE 2-19-62 SUPERSEDES 1-31-62
 EFFECTIVE WITH CSN4-118275 #1
 C25F-14300-A WAS C15F-14300-A

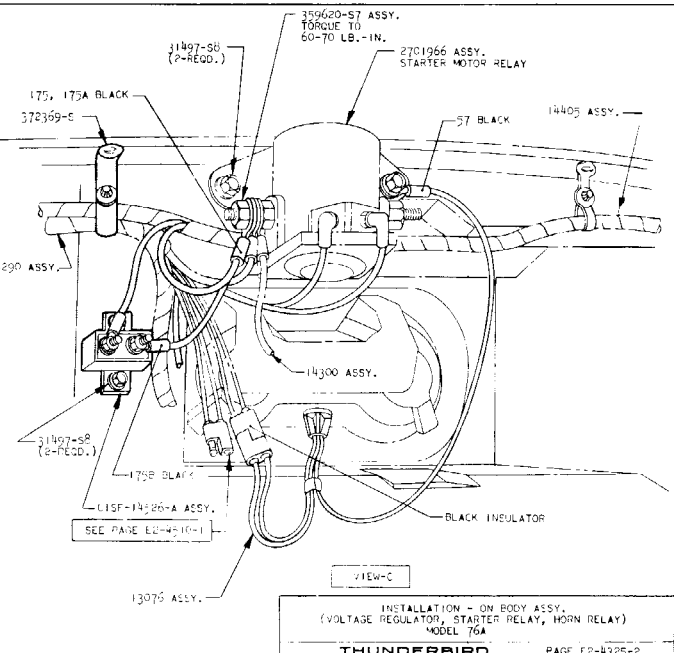
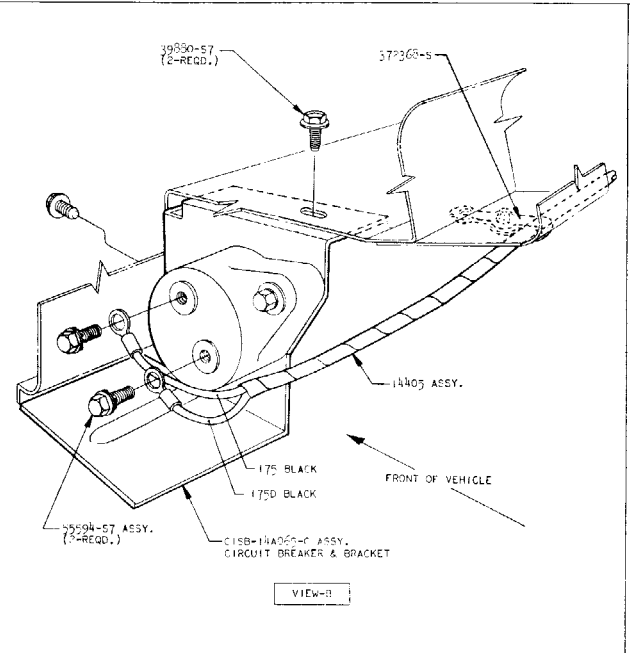
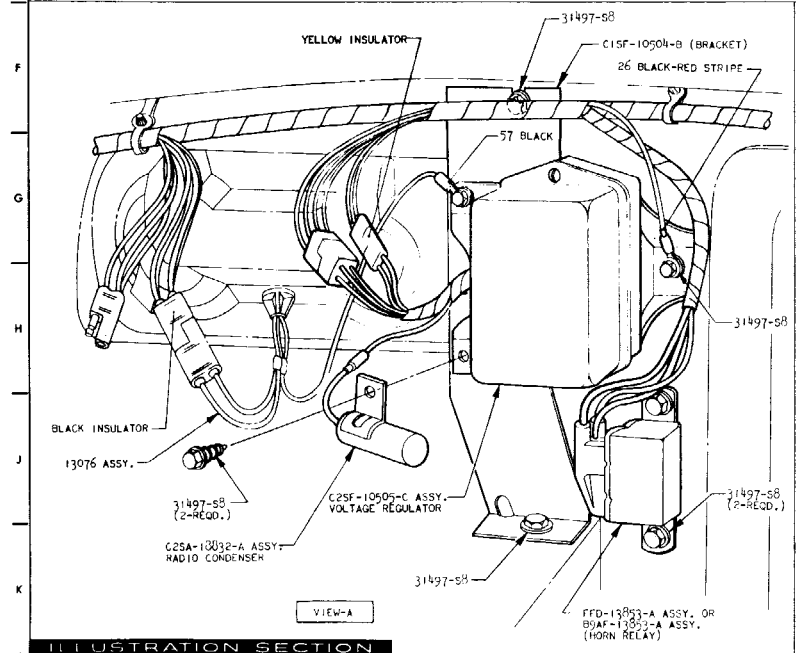
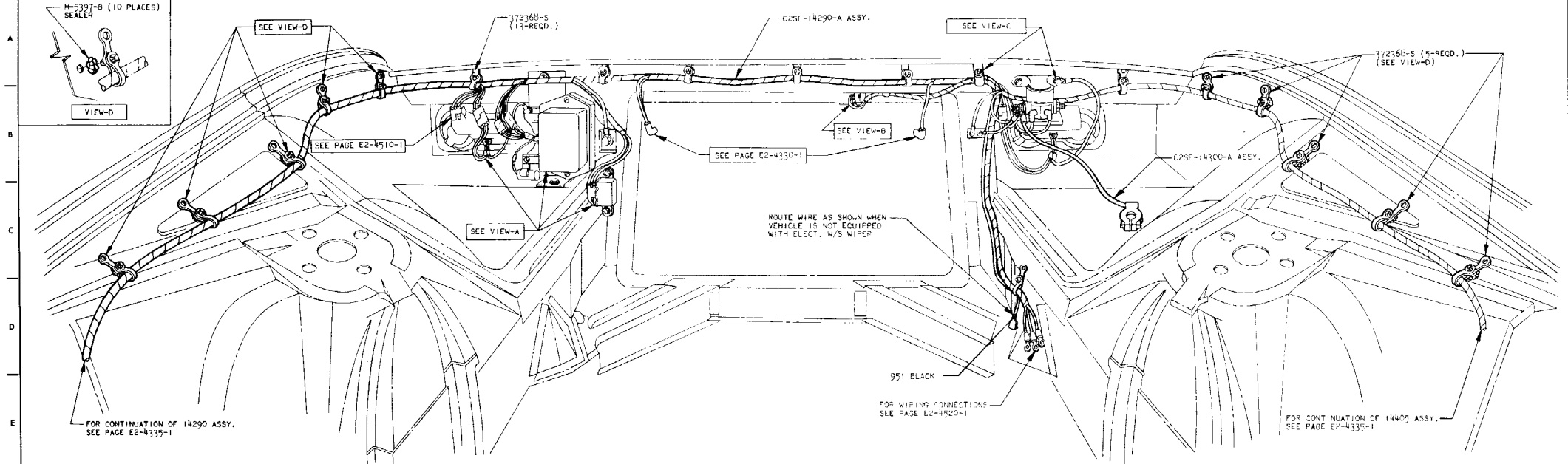
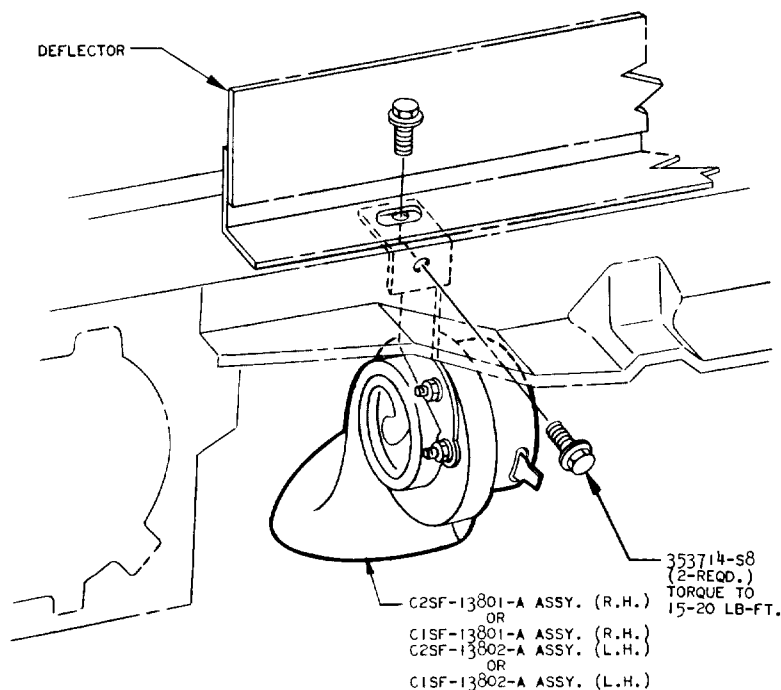
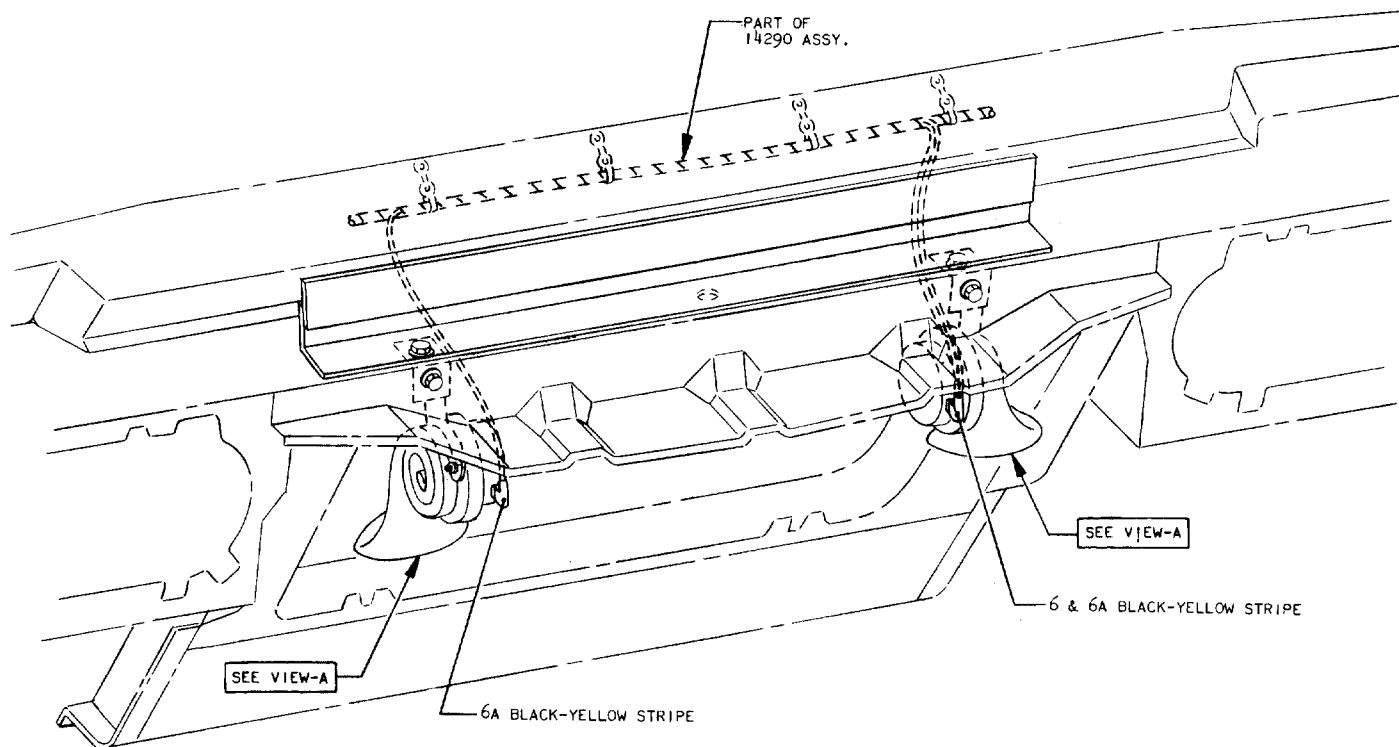


ILLUSTRATION SECTION

DATE 3-1-62 SUPERSEDES 1-31-62
 EFFECTIVE WITH CSN#-115272 #1
 C2SF-14300-A WAS C1SF-14300-A

INSTALLATION - ON BODY ASSY.
 (VOLTAGE REGULATOR, STARTER RELAY, HORN RELAY)
 MODEL 76A
THUNDERBIRD PAGE E2-4305-2



VIEW SHOWING R.H. HORN INSTALLATION
 L.H. INSTALLATION SYMMETRICALLY OPPOSITE

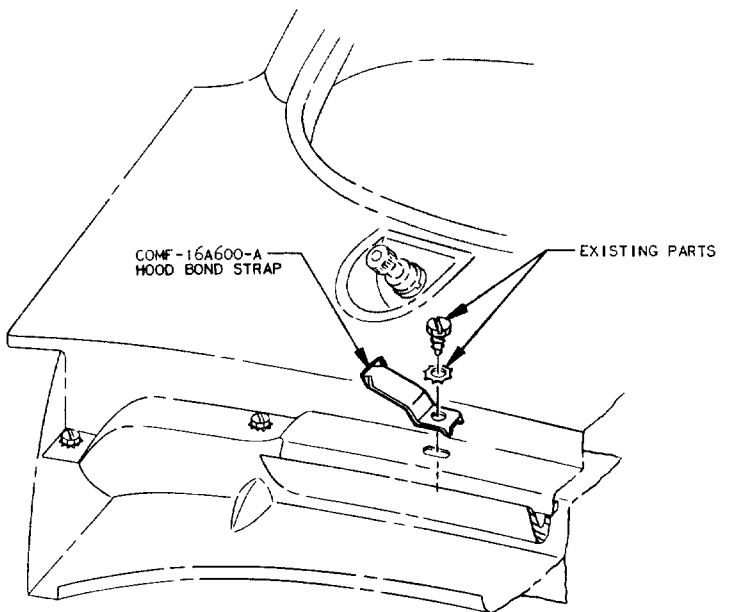
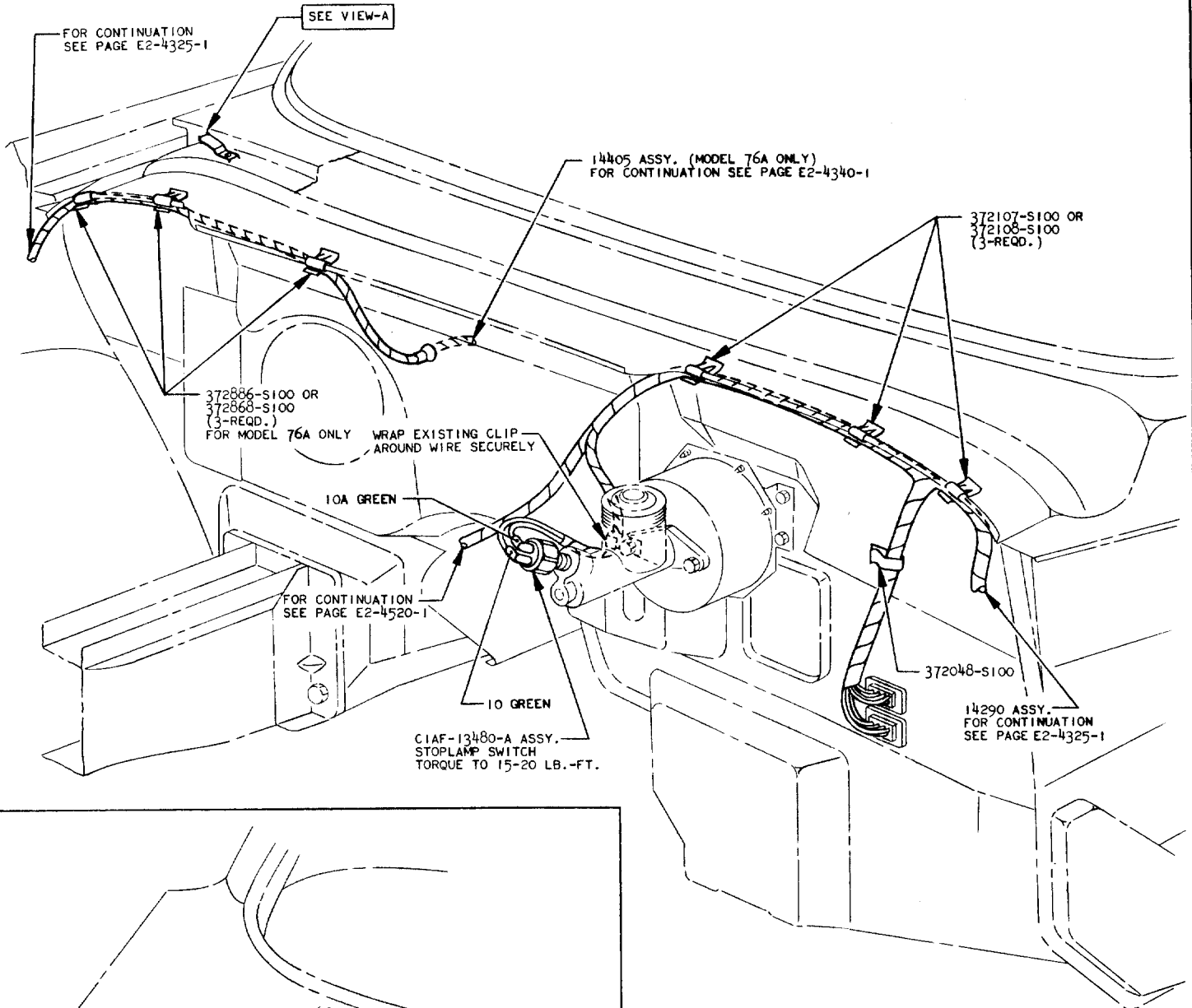
VIEW-A

INSTALLATION - ON BODY ASSY.
 (HORNS)
 MODELS - ALL

THUNDERBIRD PAGE E2-4330-1

ILLUSTRATION SECTION

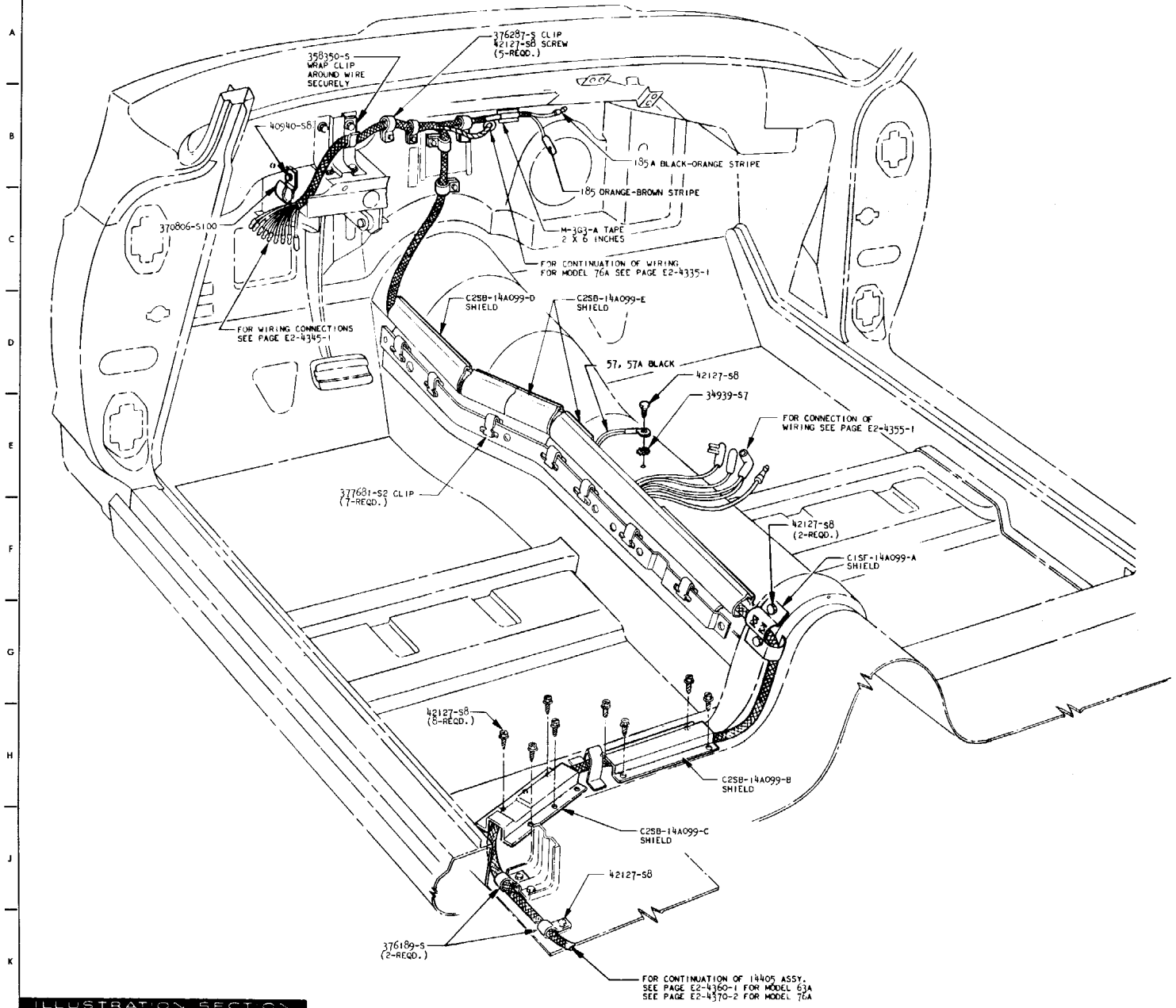
DATE 8-22-61 SUPERSEDES 7-5-61
 EFFECTIVE WITH CSM4-117950
 C2SF-13801-A WAS C1SF-13801-B
 C2SF-13802-A WAS C1SF-13802-B



VIEW-A

INSTALLATION - ON BODY ASSY.
 (STOPLAMP SWITCH, HOOD BOND STRAP)
 MODELS - AS NOTED

THUNDERBIRD PAGE E2-4335-1



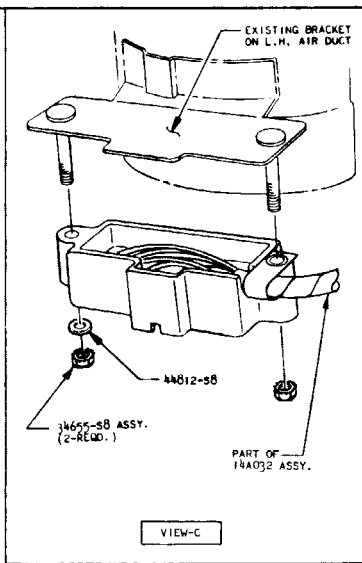
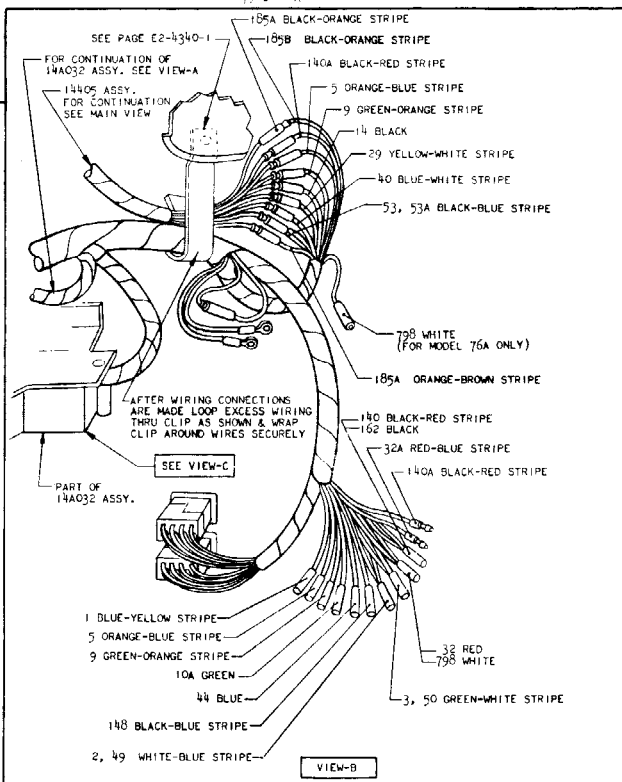
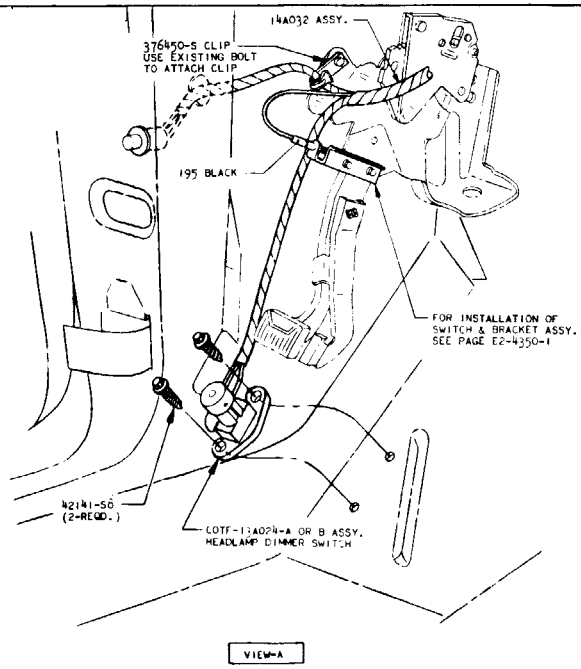
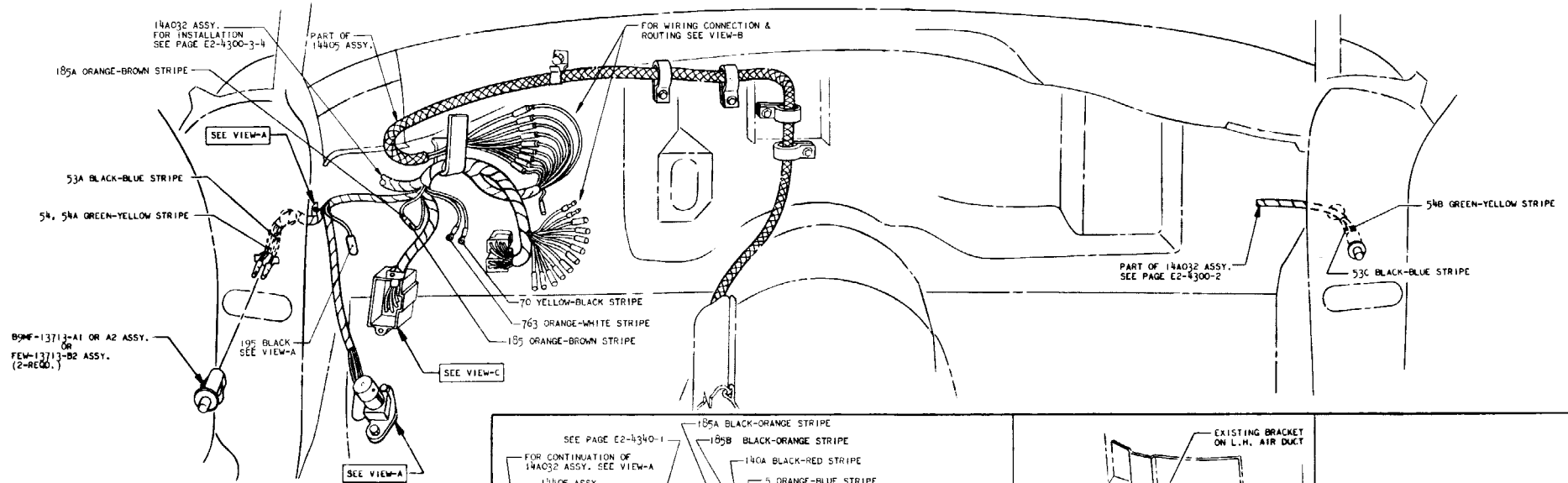
NOTE:
 FOR LOCATION & SIZE OF HOLES (NOT SHOWN ON DRWG.)
 REQUIRED TO INSTALL ELECT. PARTS, SEE AFFECTED BODY PRINTS.

INSTALLATION - ON BODY ASSY.
 (REAR LAMP WIRING ASSY.)
 MODELS - AS NOTED

ILLUSTRATION SECTION

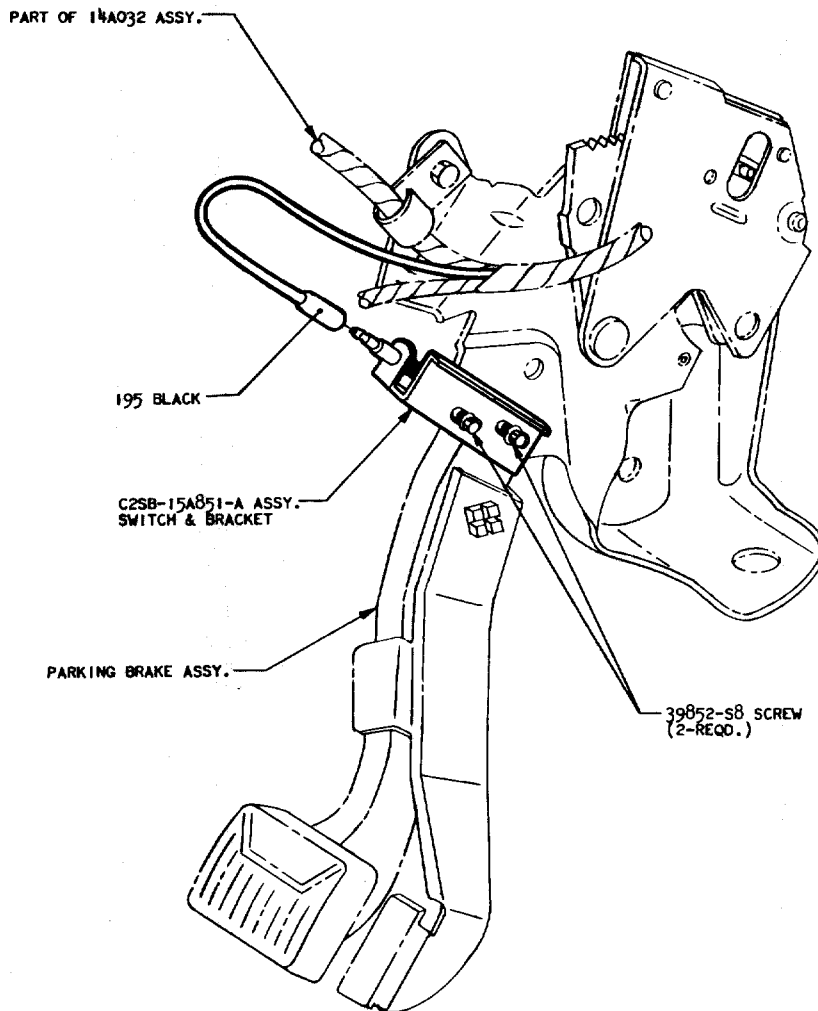
DATE 4-5-62 SUPERSEDES 12-6-61
 EFFECTIVE WITH CSNI-130738
 ADDED C2SB-14A099-D & E WIRING SHIELD & REMOVED 358882-S2 CLIP REQTS.

A
B
C
D
E
F
G
H
J
K



NOTE:
 FOR LOCATION & SIZE OF HOLES (NOT SHOWN ON DRWG.)
 REQUIRED TO INSTALL ELECT. PARTS, SEE AFFECTED BODY PRINTS.

INSTALLATION - ON BODY ASSY.
 (FOOT DIMMER SWITCH WIRING)
 MODELS - ALL



NOTE:
ADJUST THE SWITCH TO MAKE
CONTACT ON INITIAL ENGAGEMENT
OF THE PARKING BRAKE RATCHET

INSTALLATION - ON BODY ASSY.
(PARKING BRAKE WARNING LAMP SWITCH)
MODELS - ALL

THUNDERBIRD PAGE E2-4350-1

ILLUSTRATION SECTION

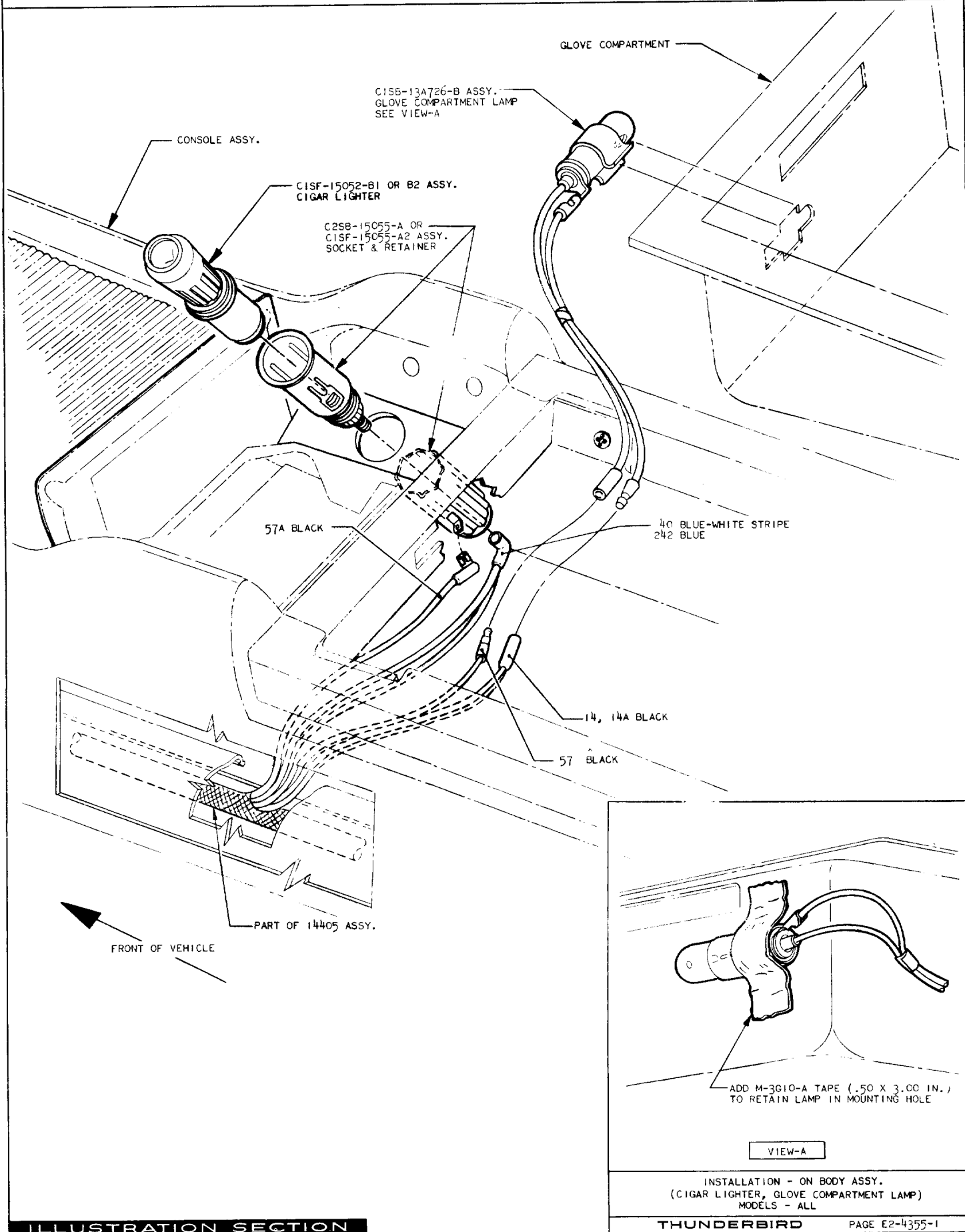
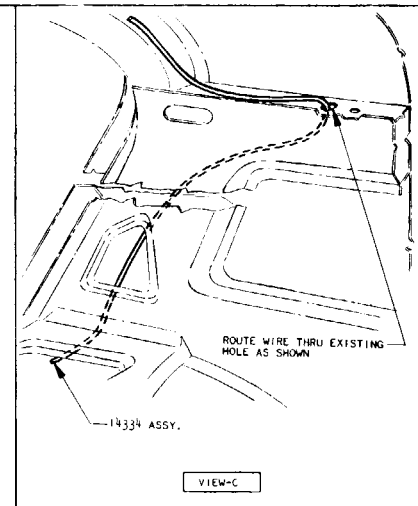
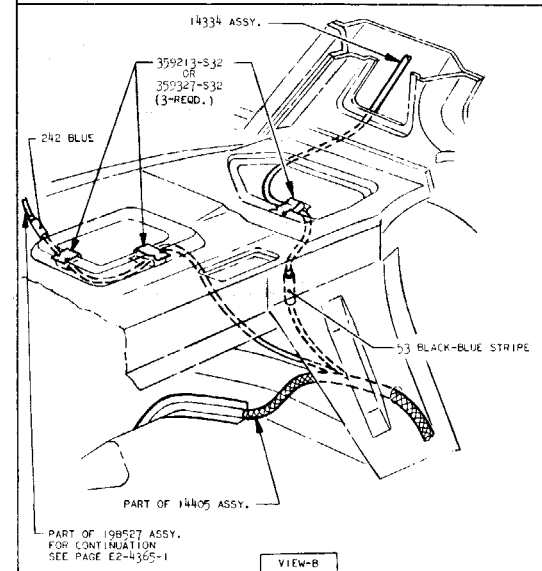
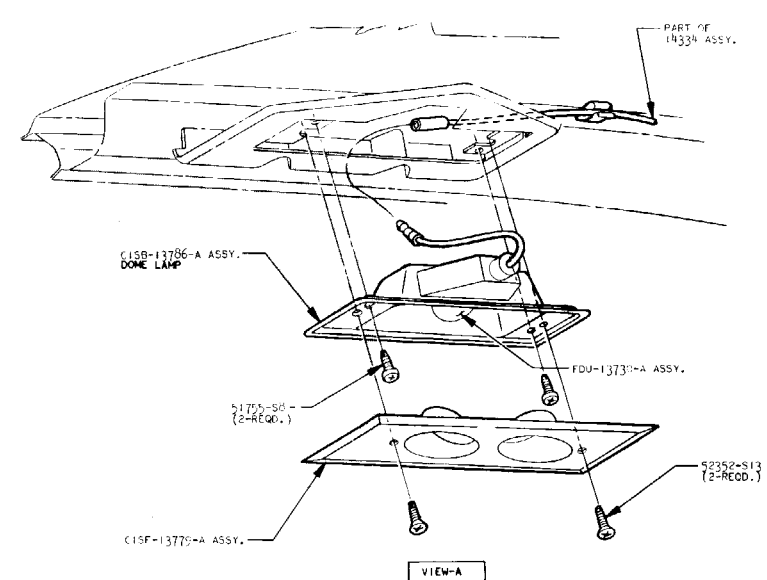
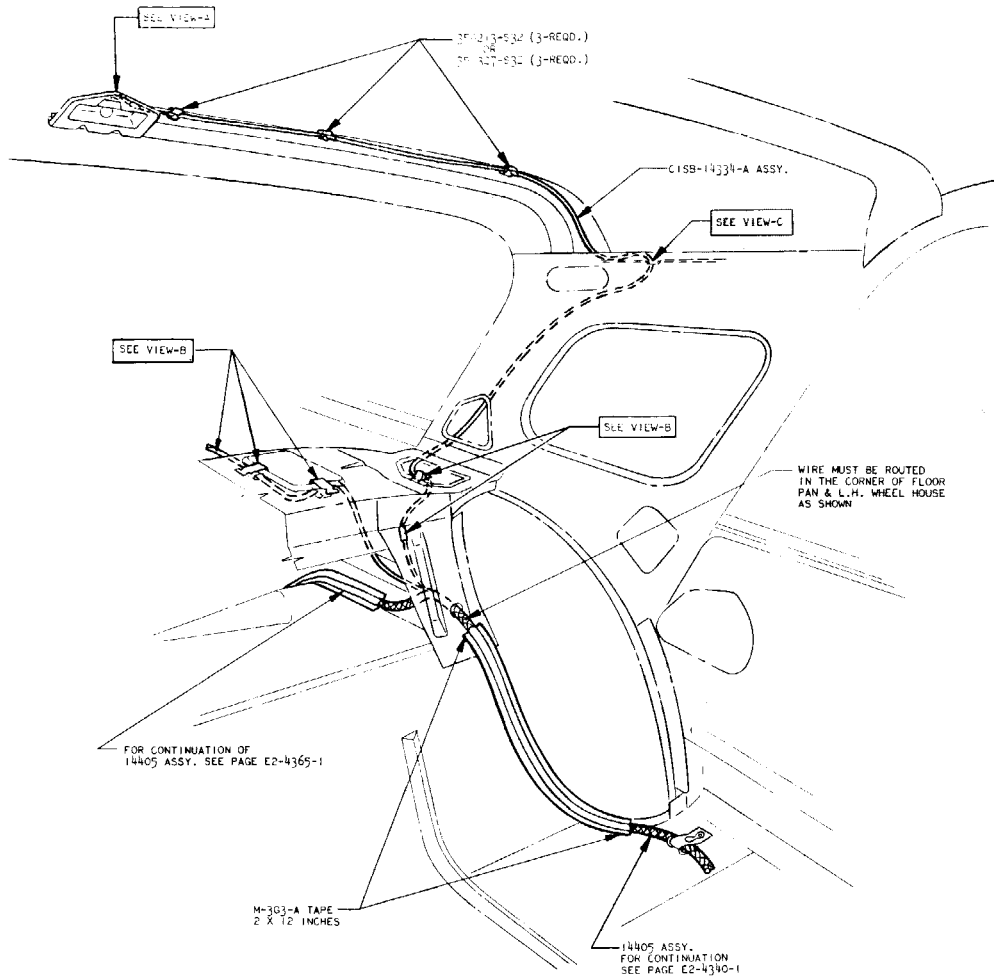


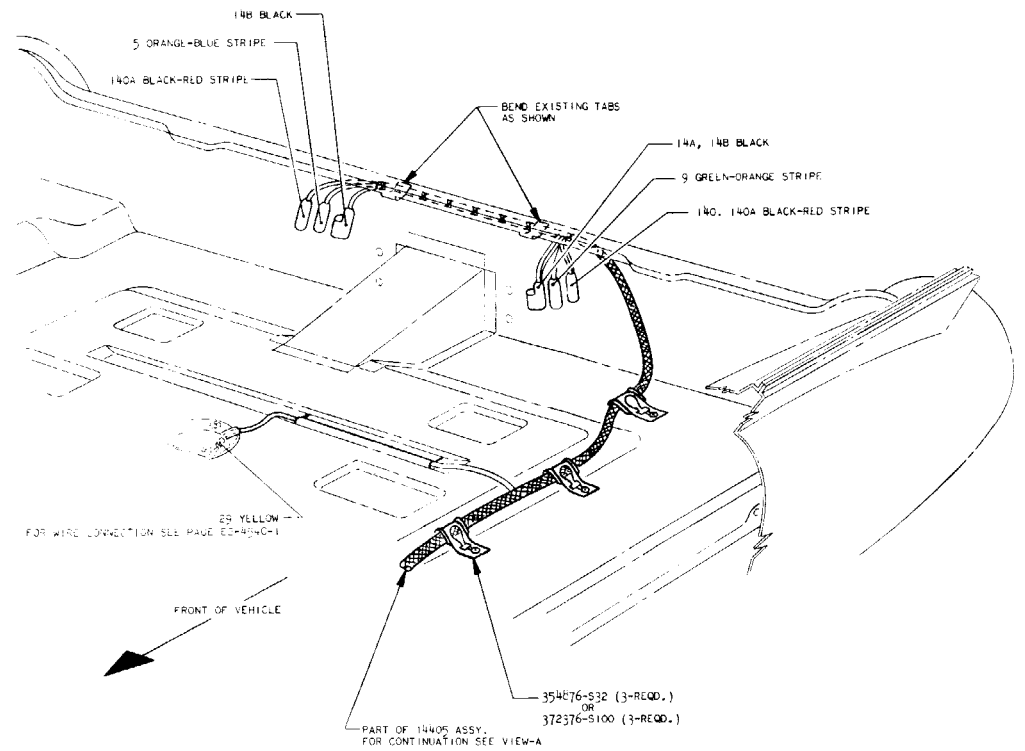
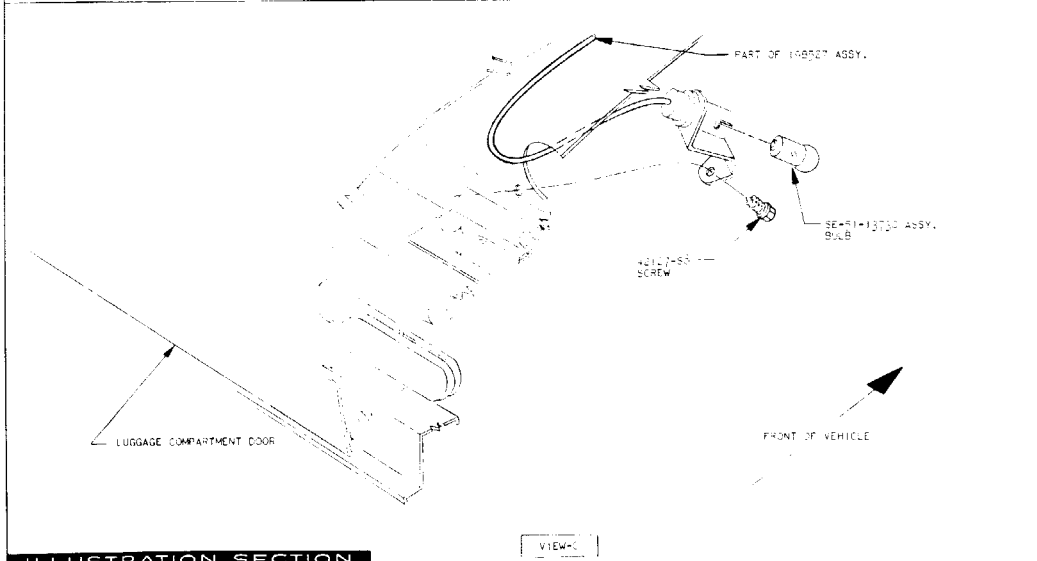
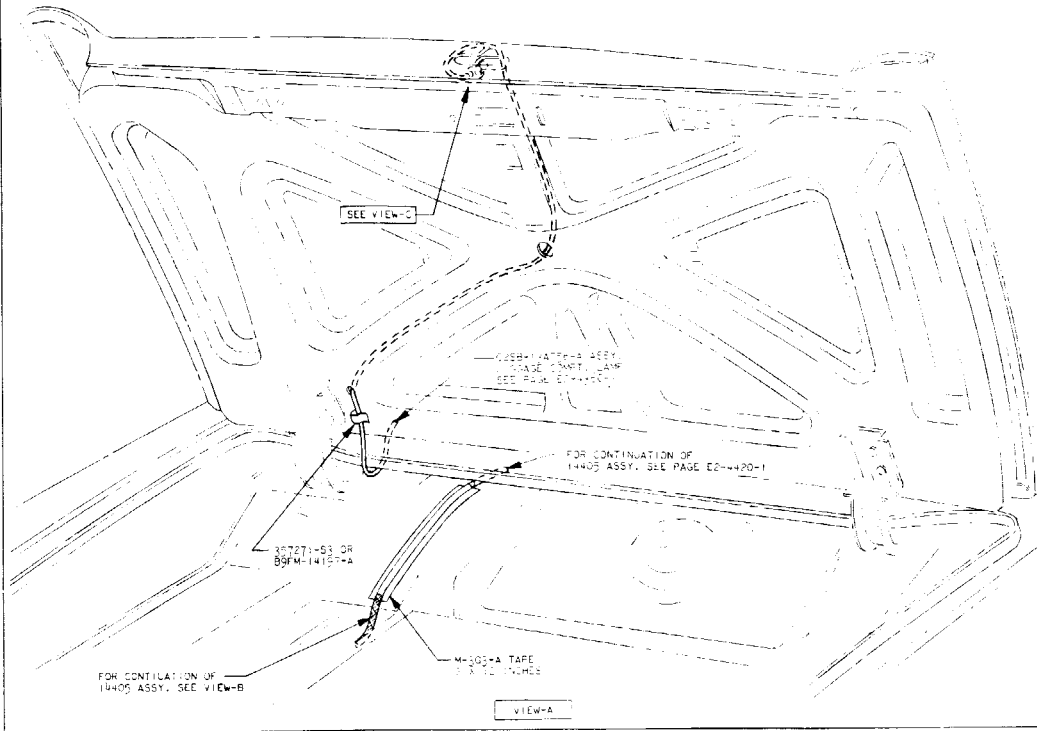
ILLUSTRATION SECTION

DATE 4-18-62 SUPERSEDES 4-6-62
 EFFECTIVE WITH CSN1-130715
 C2SB-15055-A WAS CISF-15055-A1



PART OF 198527 ASSY.
 FOR CONTINUATION
 SEE PAGE E2-4365-1

INSTALLATION - ON BODY ASSY.
 (DOME LAMP)
 MODEL - 53A
THUNDERBIRD PAGE E2-4360-1



INSTALLATION - ON BODY ASSY.
 REAR LAMP & LUGGAGE COMP. LAMP WIRING
 MODEL 63A
 THUNDERBOLT PAGE E2-4365-1

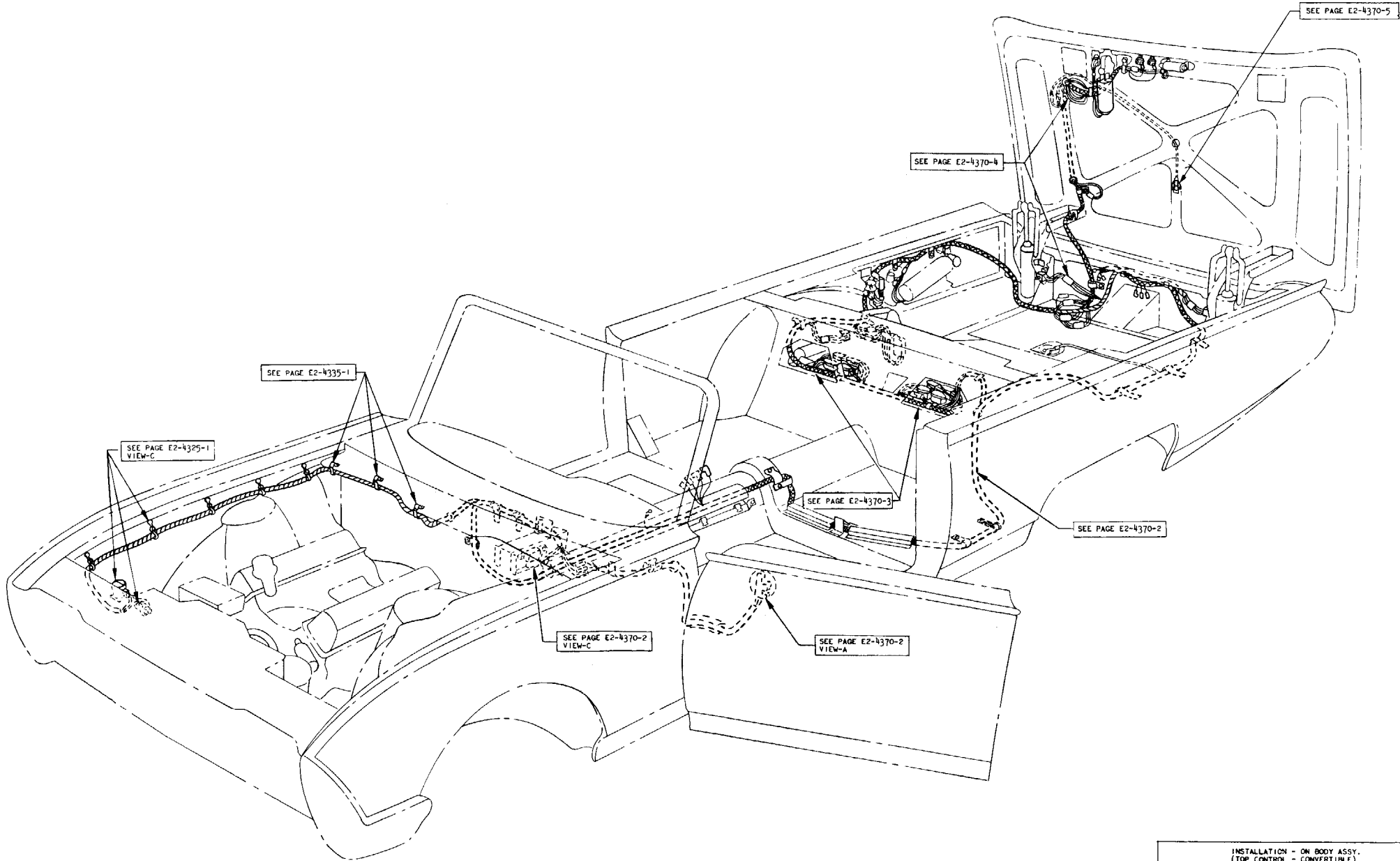


ILLUSTRATION SECTION

DATE 4-5-62 SUPERSEDES 12-6-61
EFFECTIVE WITH CSN1-130738
ADDED FLOOR PAN WIRING SHIELD

INSTALLATION - ON BODY ASSY.
(TOP CONTROL - CONVERTIBLE)
MODEL - 76A
THUNDERBIRD PAGE E2-4370-1

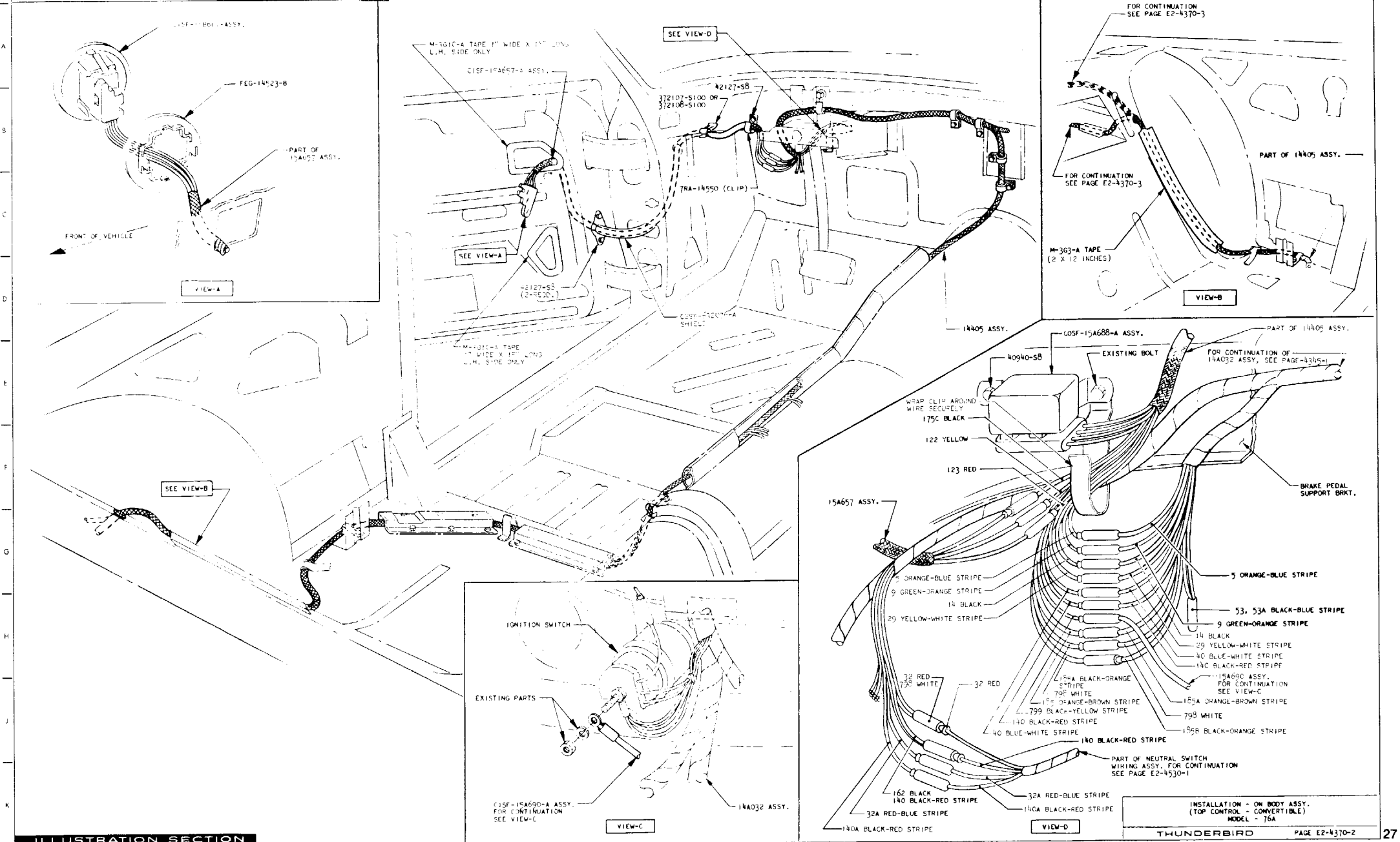


ILLUSTRATION SECTION

INSTALLATION - ON BODY ASSY.
 (TOP CONTROL - CONVERTIBLE)
 MODEL - 76A

THUNDERBIRD PAGE E2-4370-2

NOTE: THIS ILLUSTRATION IS NOT TO BE USED IN CONNECTION WITH ANY OTHER ILLUSTRATION ON THIS PAGE.

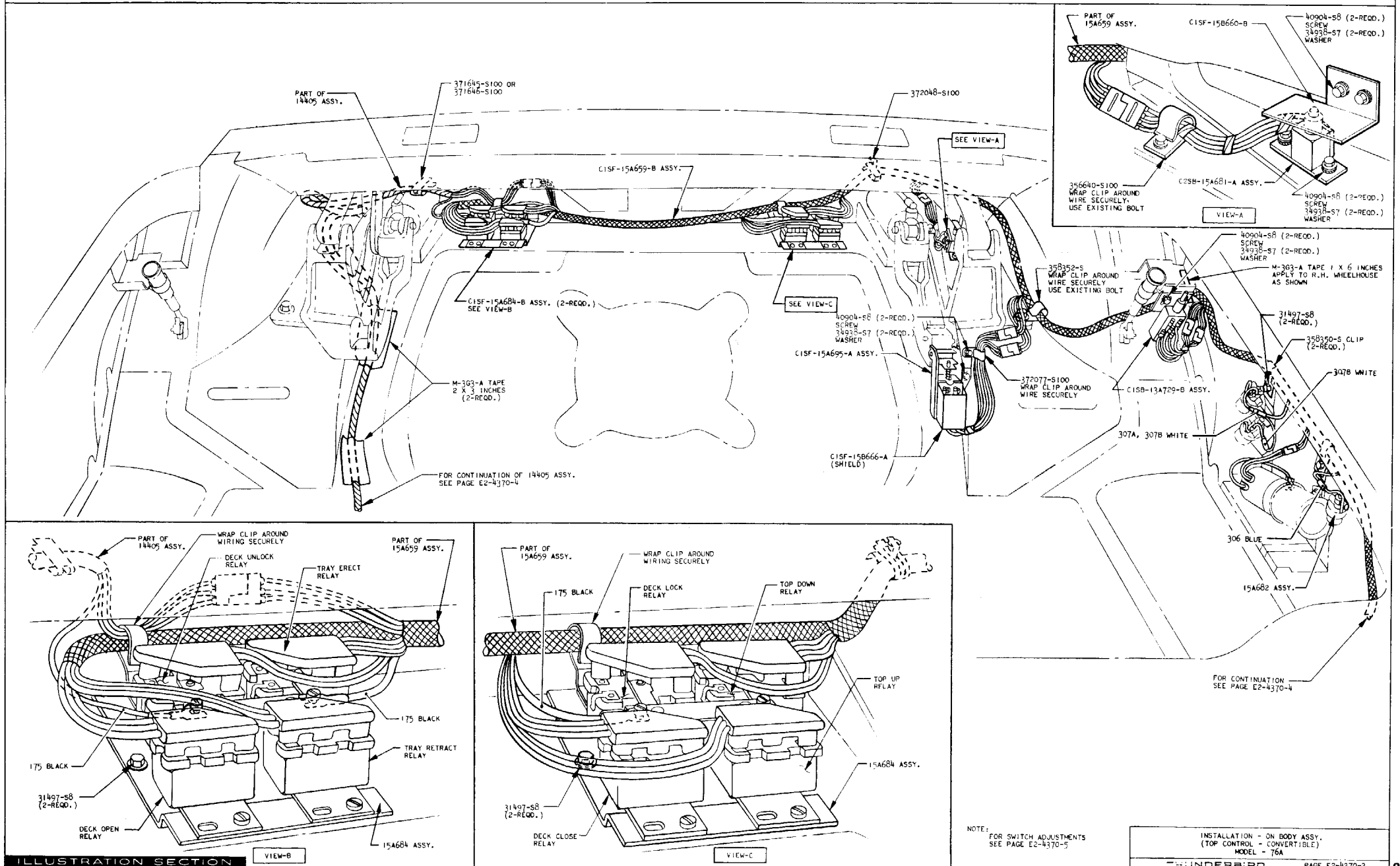
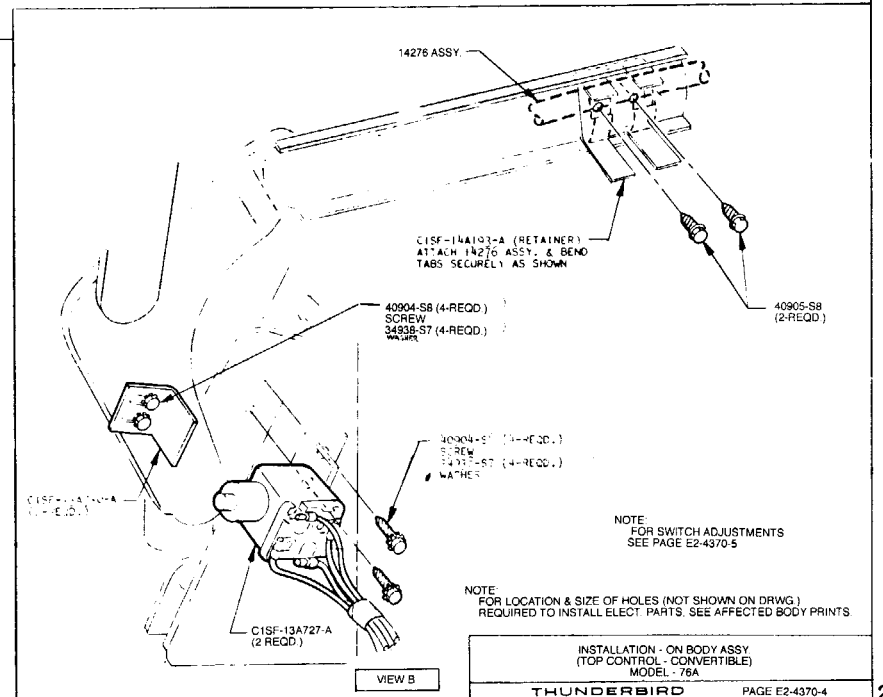
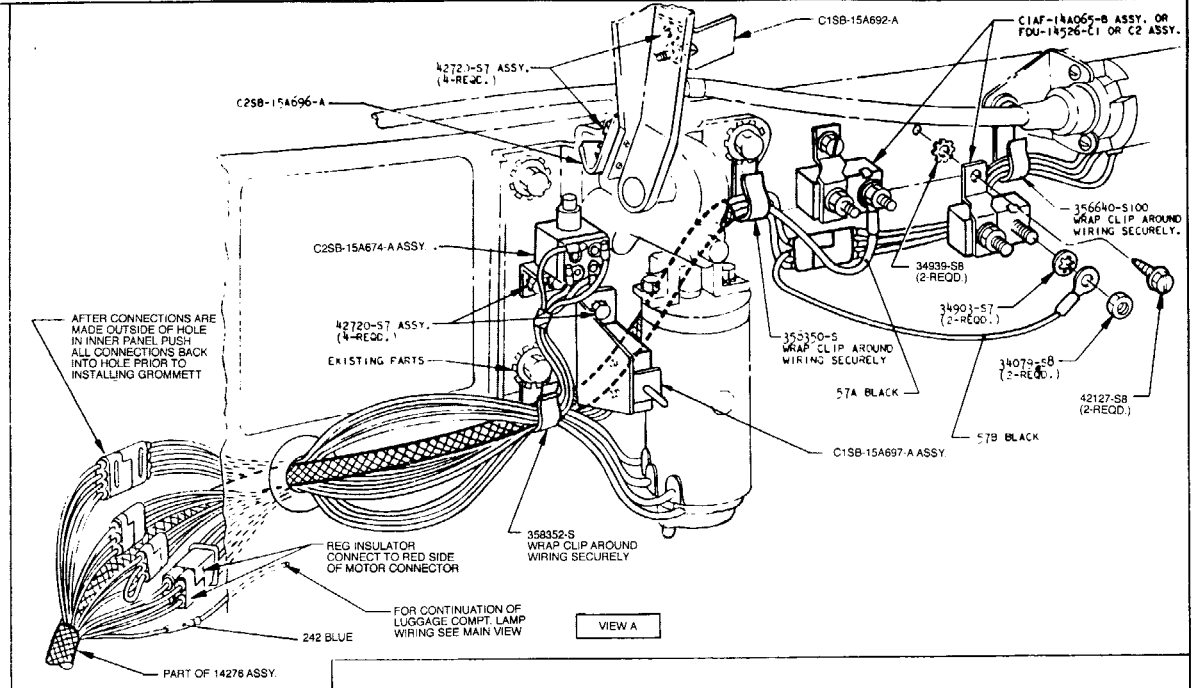
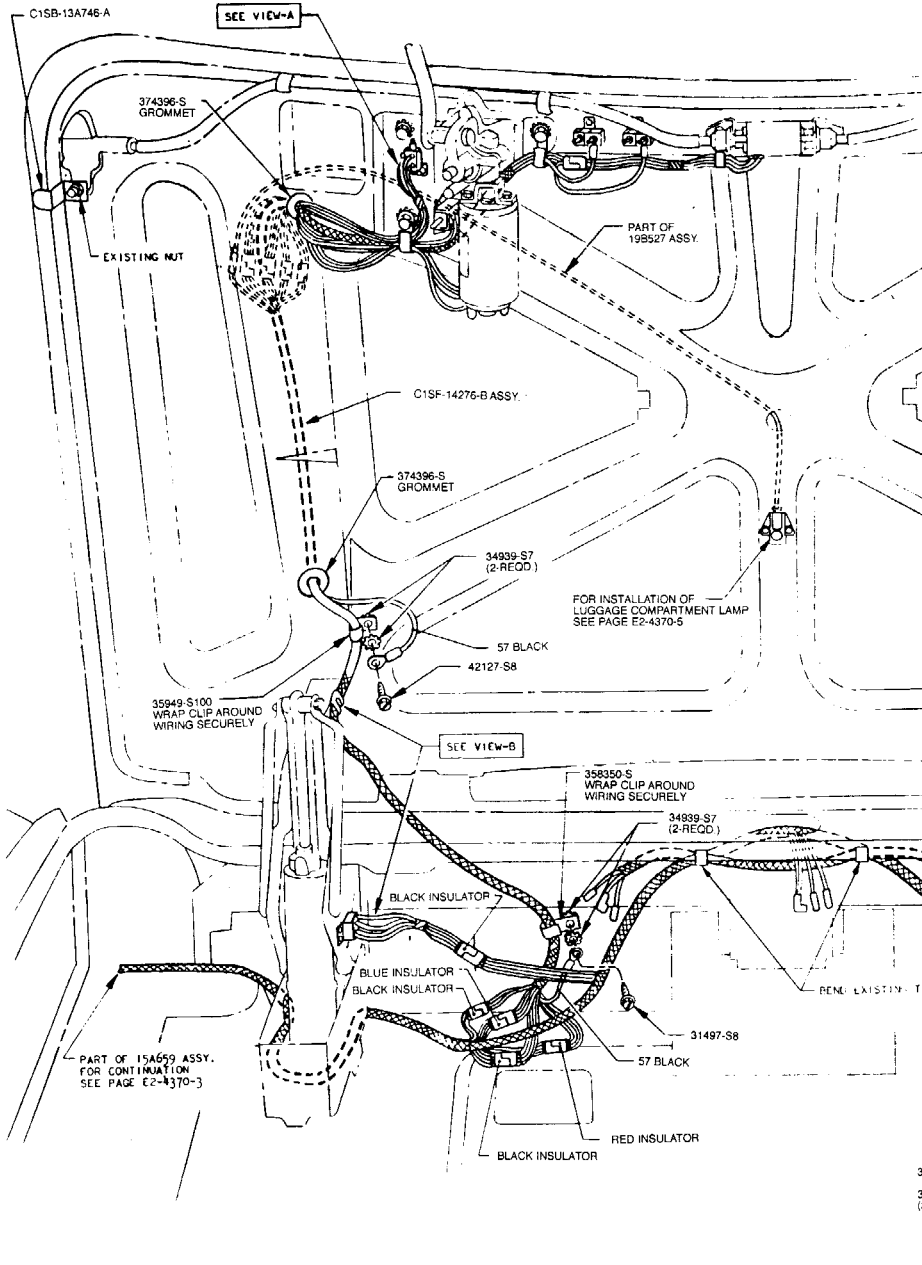
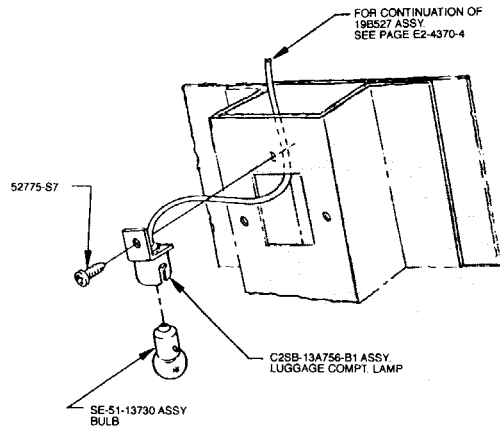


ILLUSTRATION SECTION
 DATE 4-22-61 SUPERSEDES 3-24-61
 EFFECTIVE WITH CSNI-108459, CSNI-105077 & CSNI-105169
 REMOVED 42721-S7 & ADDED 40904-S8 & 34938-S7 REQMTS.
 C1SB-13A729-B WAS C1SB-13A729-A, & C2SB-15A681-A WAS C1SF-15A681-B.

NOTE:
 FOR SWITCH ADJUSTMENTS
 SEE PAGE E2-4370-5

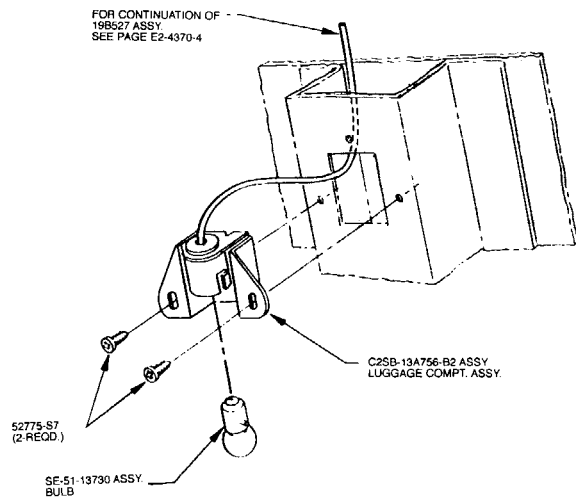
INSTALLATION - ON BODY ASSY.
 (TOP CONTROL - CONVERTIBLE)
 MODEL - 76A





VIEW SHOWING LUGGAGE COMPT. LAMP INSTALLATION

VIEW-A



VIEW SHOWING ALTERNATE LUGGAGE COMPT. LAMP INSTALLATION

VIEW-B

SWITCH ADJUSTMENT INSTRUCTIONS

DECK OPEN LIMIT SWITCHES (13A727 ASSY) IN VIEW-B, PAGE E2-4370-4
 RIGHT AND LEFT HAND DECK HINGE AREA
 ADJUSTMENT DATA:

RAISE DECK LID TO FULL OPEN POSITION. PLACE A .06 SHIM BETWEEN THE SWITCH SHAFT AND THE ACTUATOR. ADJUST THE ACTUATOR UNTIL THE SWITCH PLUNGER IS FULLY DEPRESSED. THIS WILL PROVIDE PROPER OPERATION WHEN THE SHIM IS REMOVED.

DECK CLOSED LIMIT SWITCH (13A729 ASSY) IN MAIN VIEW, PAGE E2-4370-3
 RIGHT HAND DECK LOCK ASSY. ON WHEELHOUSE
 ADJUSTMENT DATA:

ADJUST THE SWITCH TO THE MIDPOINT OF THE ADJUSTING SLOTS. CLOSE AND LOCK THE DECK LID. UNLOCK THE DECK LID. IF THE DECK LID DOES NOT START OPEN ADJUST THE SWITCH DOWNWARD SLIGHTLY. IF THE DECK LID STARTS OPEN BEFORE IT IS UNLOCKED RAISE THE SWITCH SLIGHTLY. REPEAT UNTIL DECK LID UNLOCKS AND STARTS OPEN SIMULTANEOUSLY.

UPPER BACK FINISH PANEL ERECT SWITCH (15A674 ASSY) IN VIEW-A, PAGE E2-4370-4
 RIGHT HAND BACK PANEL HINGE AREA
 ADJUSTMENT DATA:

EXTEND UPPER BACK PANEL ON DECK LID TO THE END OF THE DESIGN TRAVEL. PLACE A .06 SHIM BETWEEN THE SWITCH SHAFT AND THE ACTUATOR. ADJUST THE ACTUATOR UNTIL THE SWITCH PLUNGER IS FULLY DEPRESSED. THIS WILL PROVIDE PROPER OPERATION WHEN THE SHIM IS REMOVED.

UPPER BACK FINISH PANEL RETRACT SWITCH (15A697 ASSY) IN VIEW-A, PAGE E2-4370-4
 RIGHT HAND BACK PANEL HINGE AREA
 ADJUSTMENT DATA:

POSITION THE SWITCH IN THE CENTER OF THE ADJUSTMENT SLOTS. EXTEND THE UPPER BACK FINISH PANEL AND ADJUST THE SWITCH AS REQUIRED TO OBTAIN THE PROPER RELATIONSHIP BETWEEN THE UPPER BACK FINISH PANEL AND THE REAR SEAT BACK WHEN THE DECK LID IS CLOSED.

TOP CONTROL ERECT SWITCH (15A681 ASSY) IN VIEW-A, PAGE E2-4370-3
 RIGHT HAND TOP SUPPORT BRACKET
 ADJUSTMENT DATA:

RAISE THE TOP TO THE FULL UP POSITION. PLACE A .06 SHIM BETWEEN THE SWITCH SHAFT AND THE ACTUATOR ON TOP HINGE ARM. ADJUST THE ACTUATOR UNTIL THE SWITCH PLUNGER IS FULLY DEPRESSED. THIS WILL PROVIDE PROPER OPERATION WHEN SHIM IS REMOVED.

TOP CONTROL RETRACT SWITCH (15A695 ASSY) IN MAIN VIEW, PAGE E2-4370-3
 ADJUSTMENT DATA:

ADJUST THE SWITCH TO THE MIDPOINT OF THE ADJUSTMENT SLOTS. LOWER THE TOP TO THE FULL DOWN POSITION. SLIGHT ADJUSTMENT OF THE SWITCH WILL EITHER START THE DECK LID TO CLOSE SOONER OR DELAY THE ACTION OF THE DECK LID WHICHEVER IS REQUIRED.

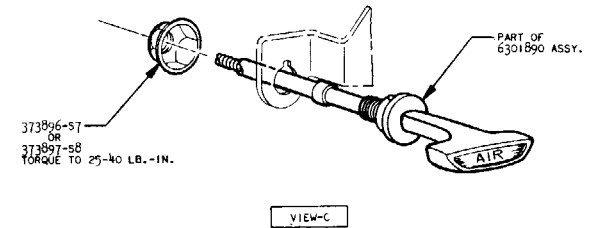
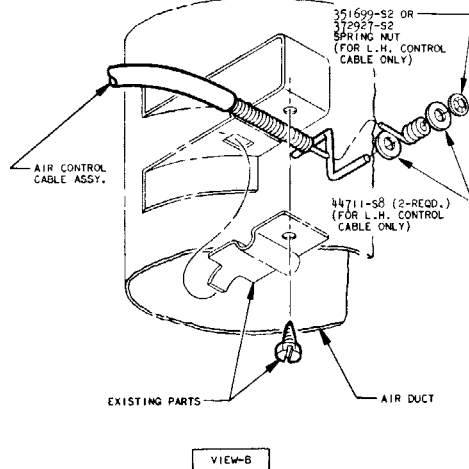
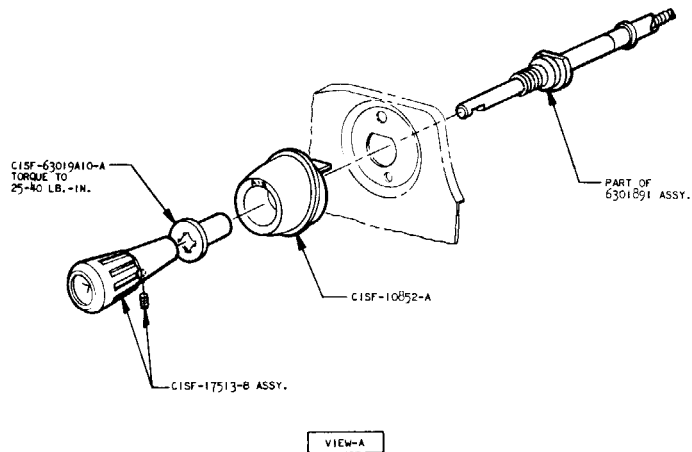
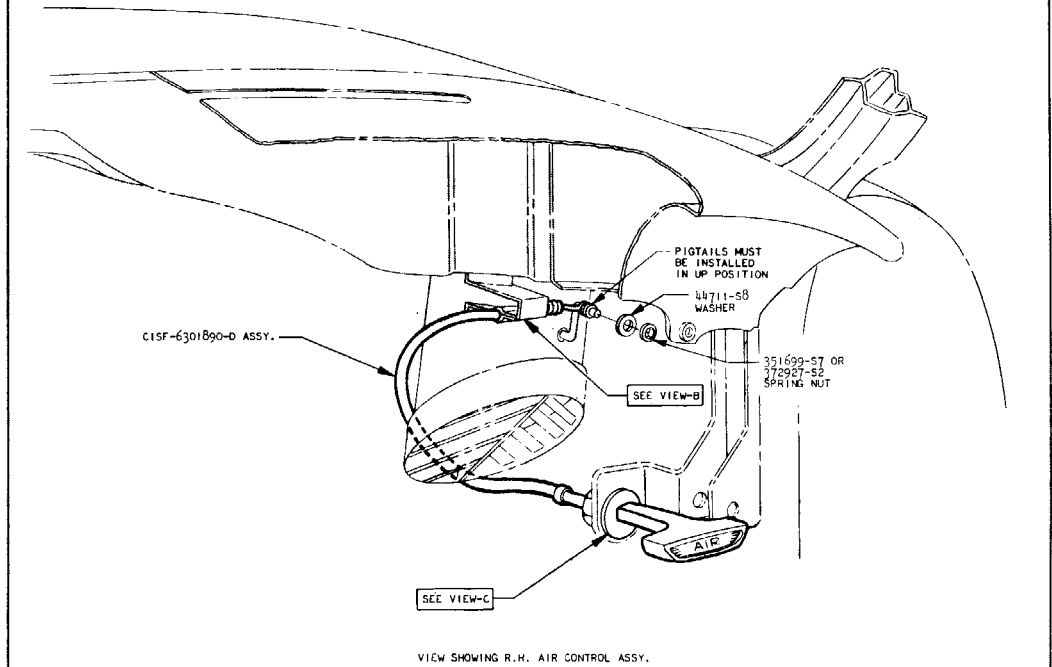
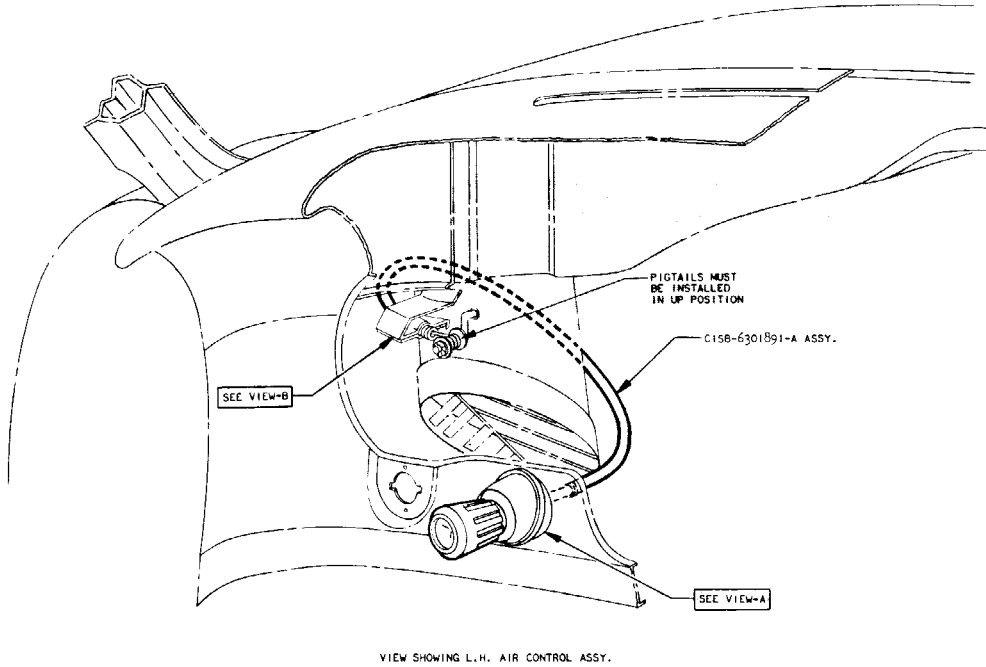


ILLUSTRATION SECTION

DATE 5-15-61 SUPERSEDES 3-24-61
 EFFECTIVE WITH CSM-104789
 ADDED 44711-58, 351699-57 & 372927-52 REQMTS.

INSTALLATION - ON BODY ASSY.
 (AIR CONTROLS)
 MODELS - ALL
 THUNDERBOLT PAGE E2-4375-1

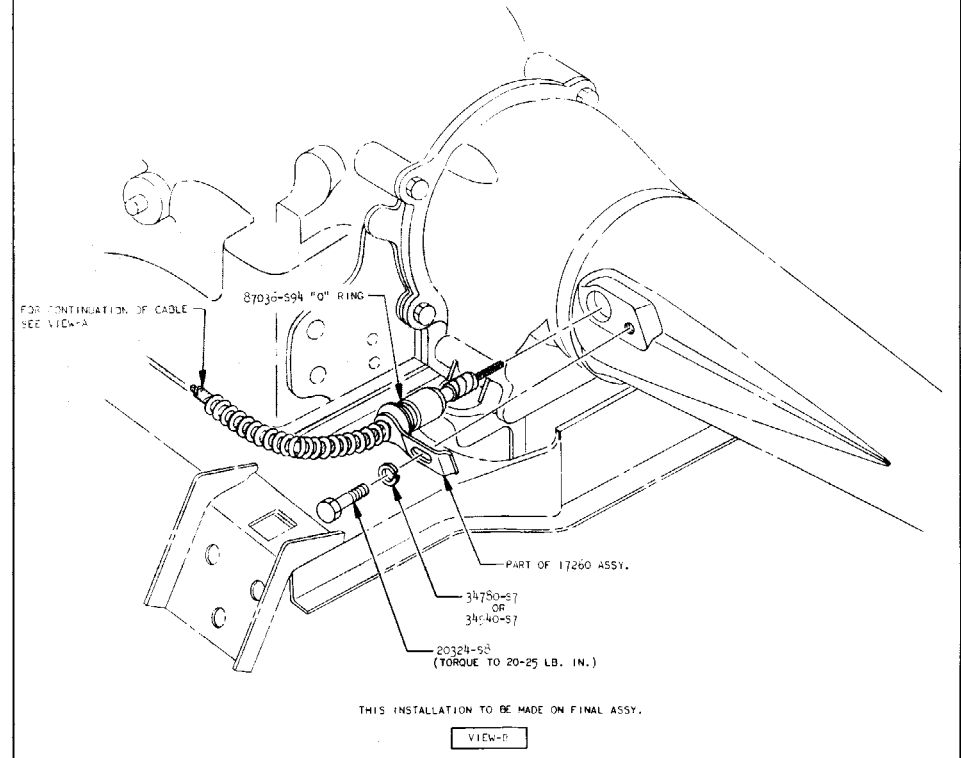
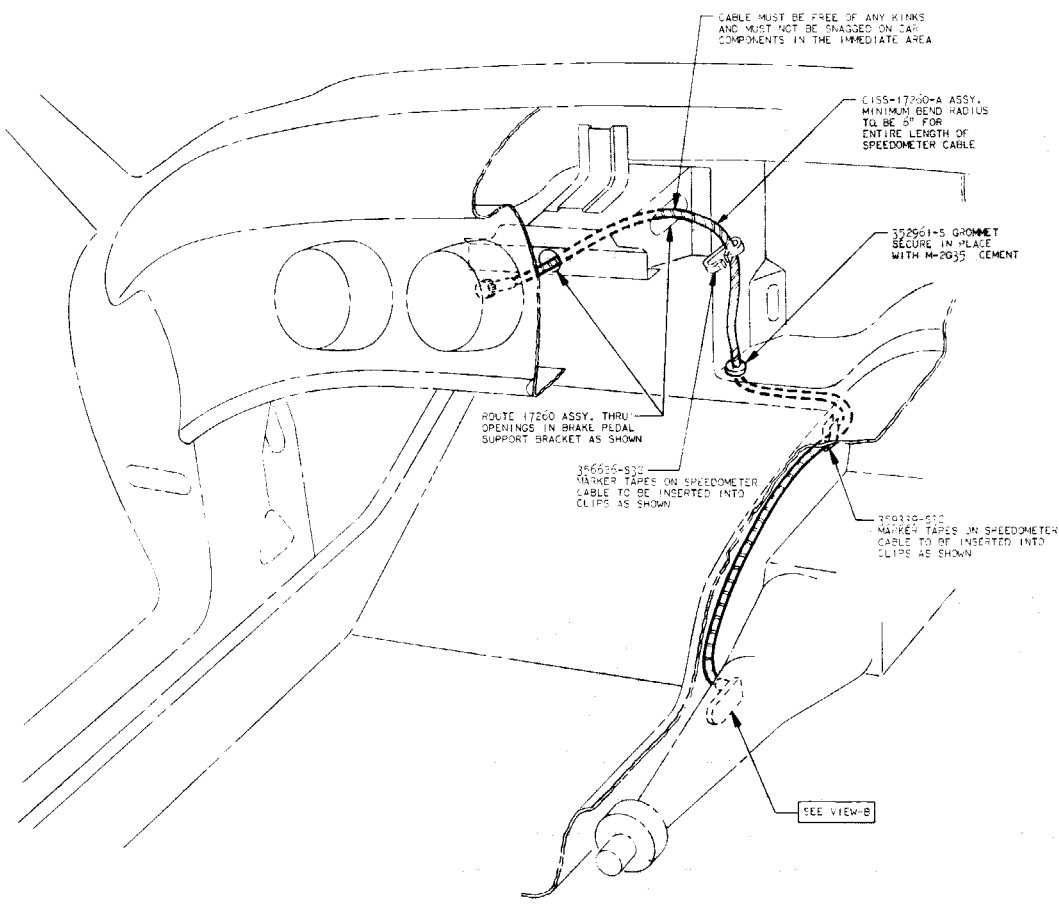
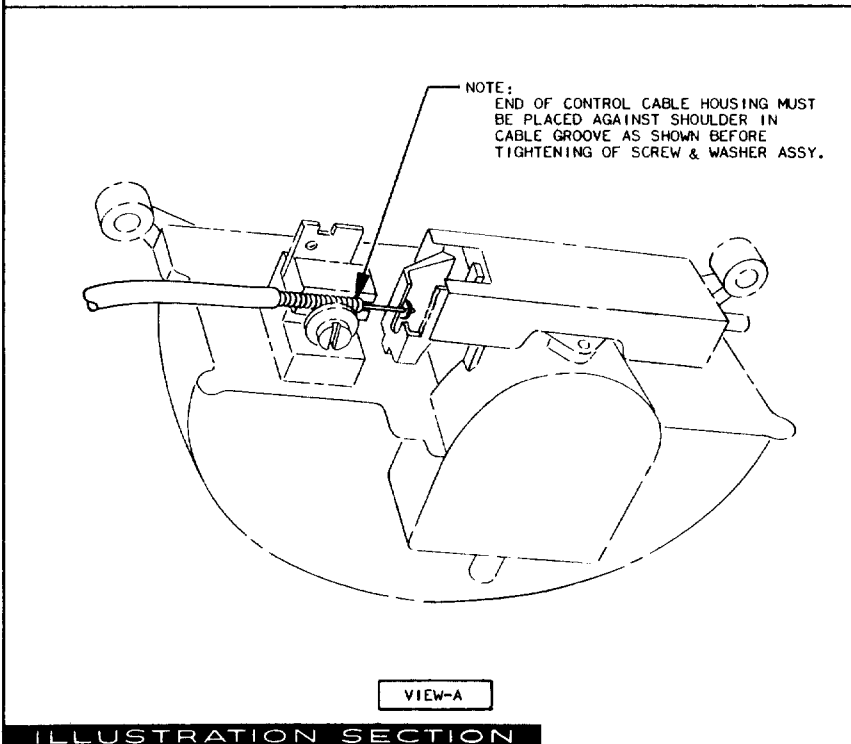
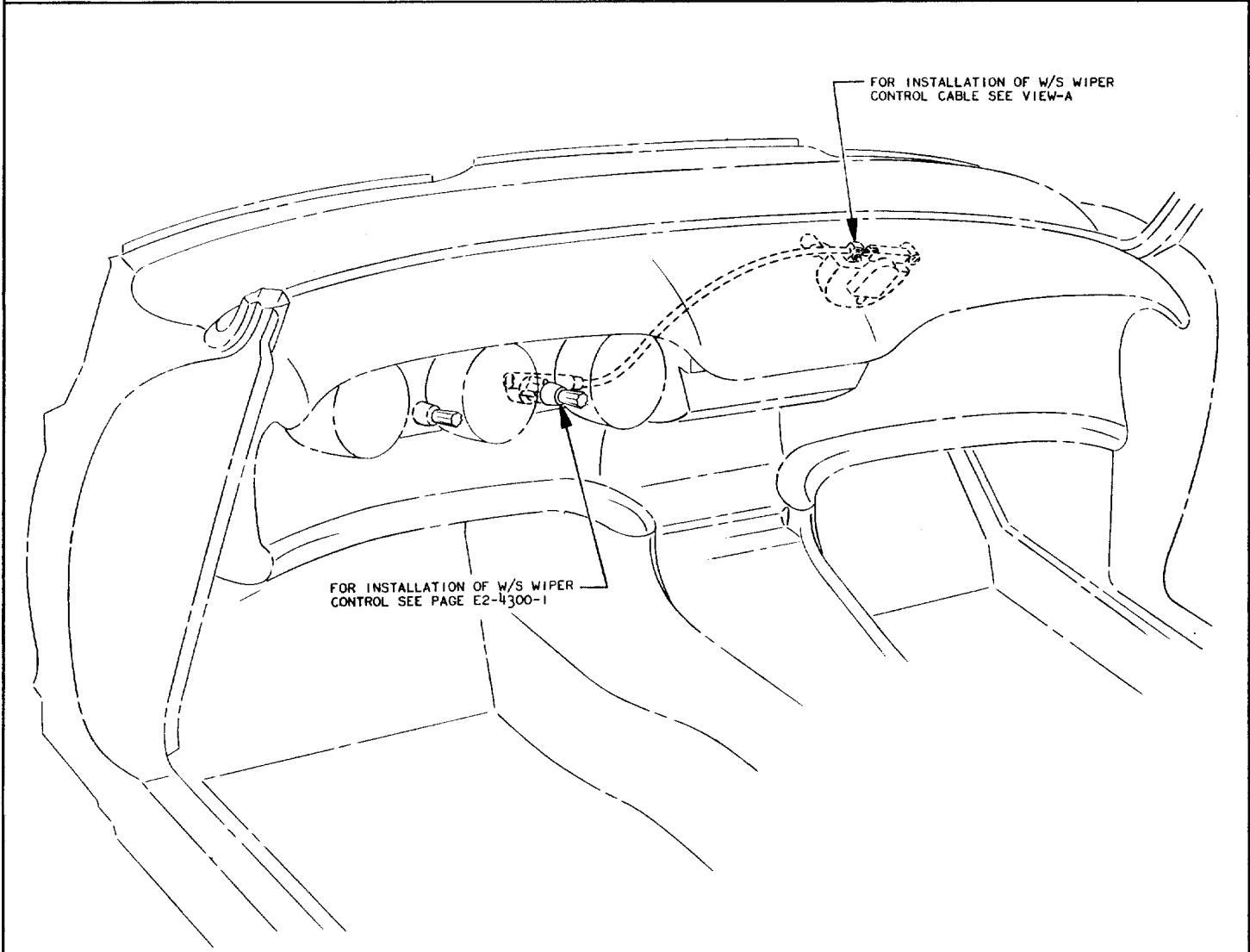
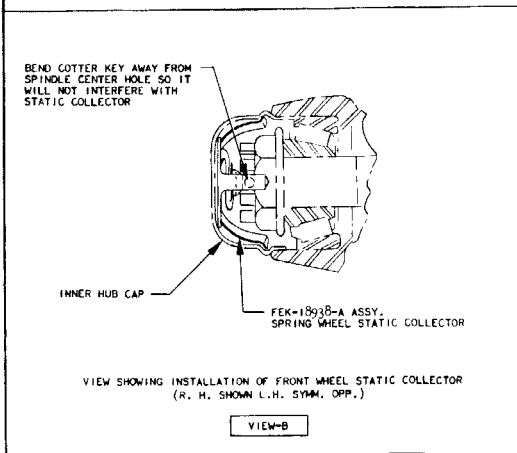
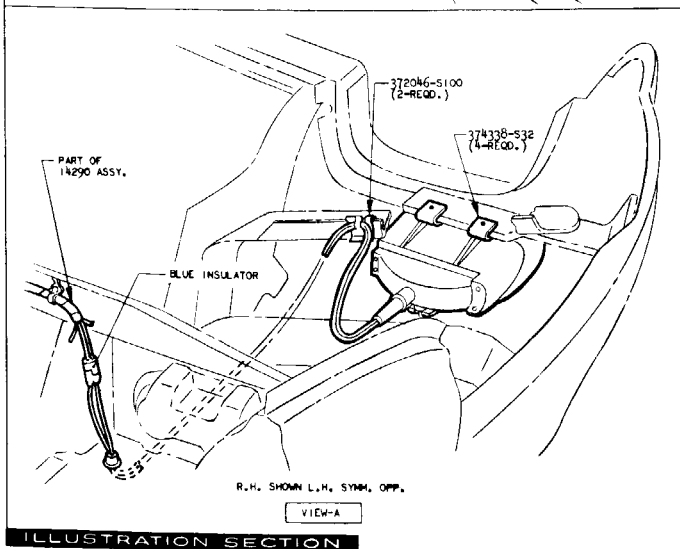
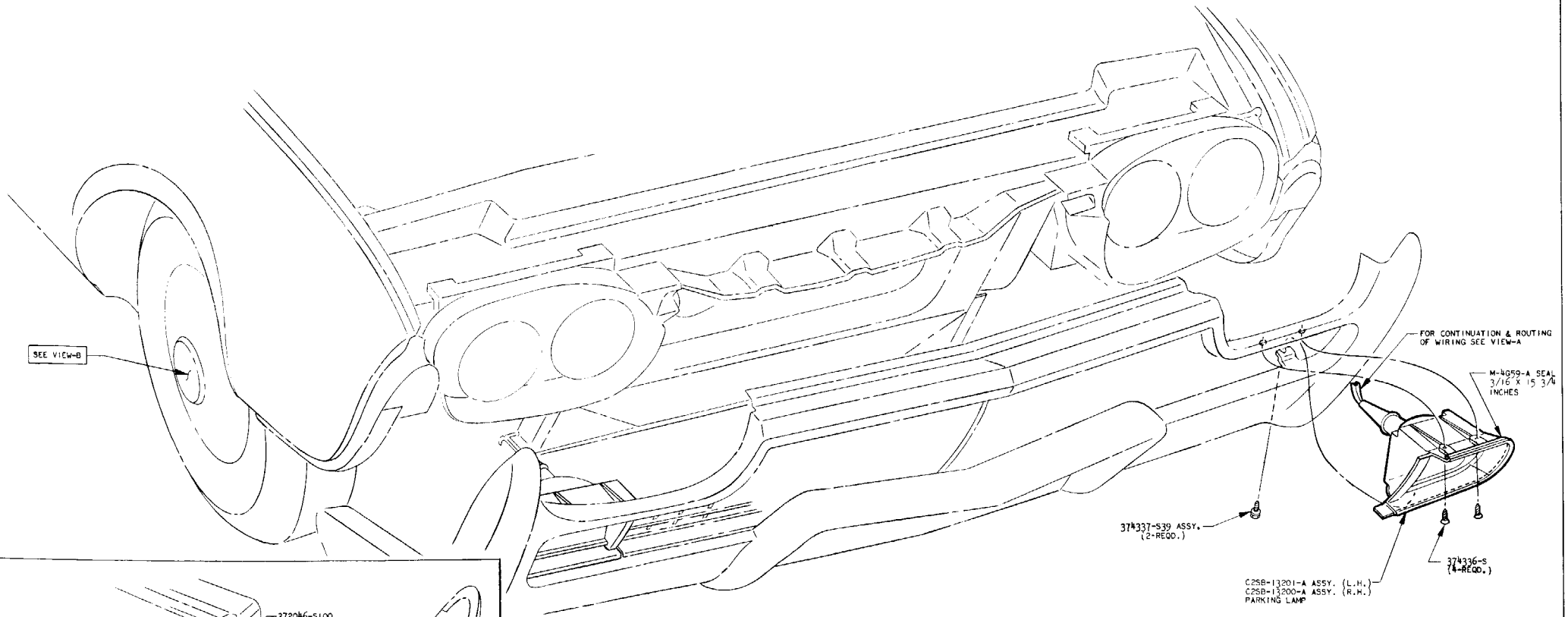


ILLUSTRATION SECTION

DATE 1-7-52 SUPERSEDES 4-4-51
 EFFECTIVE WITH CSND-71798-1
 358666-532 WAS 389339-532

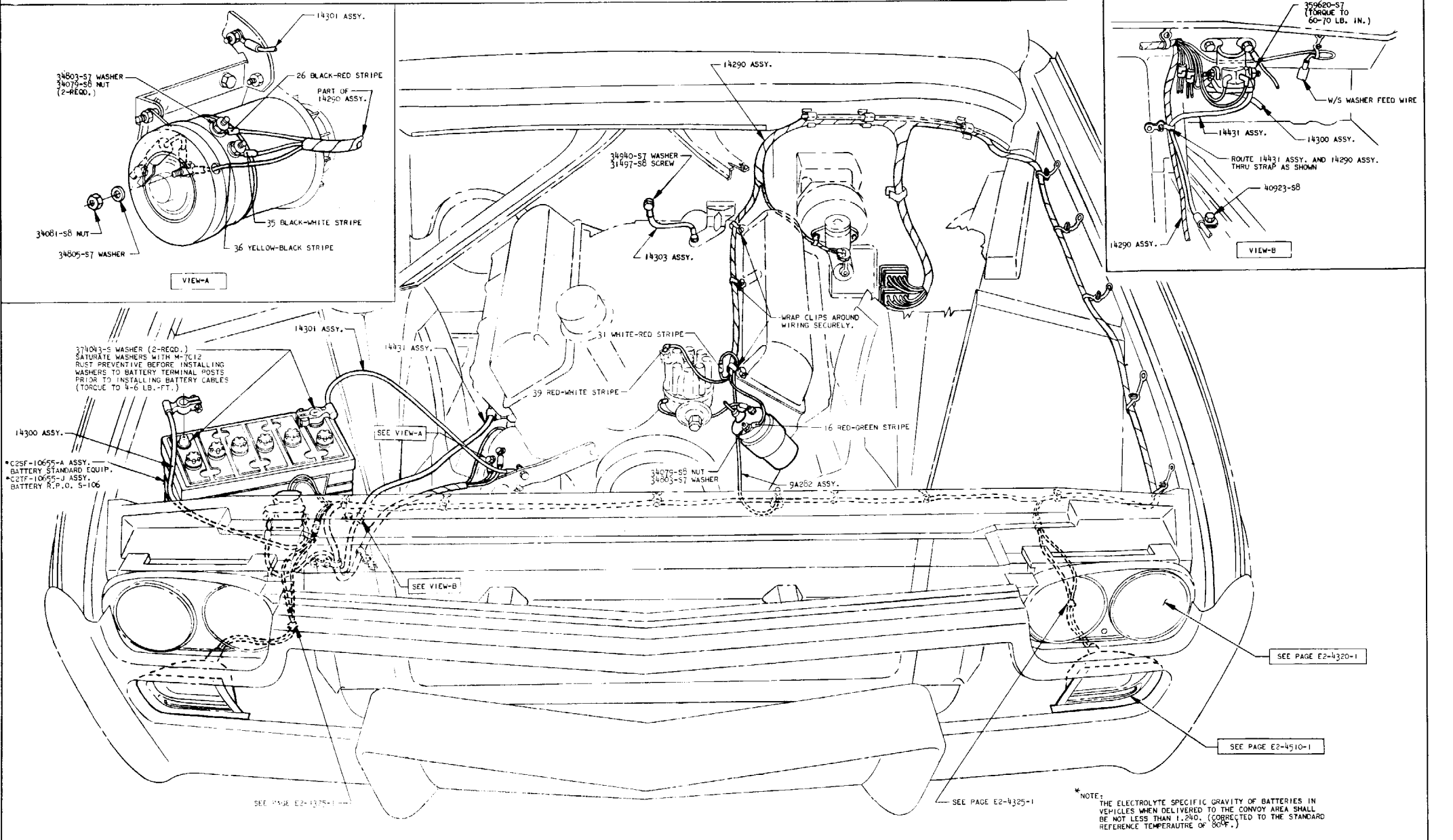


INSTALLATION - ON BODY ASSY.
MODELS - ALL
THUNDERBIRD PAGE E2-4385-1



INSTALLATION - ON FINAL ASSY.
 PARKING LAMP, STATIC COLLECTOR
 MODELS - ALL
THUNDERBIRD PAGE E2-4510-1

GATE 5-24-61 SUPERSEDES 3-24-61
 EFFECTIVE WITH CSN1-104233
 C25B-13200-1-A WAS C15B-13200-1-C



37043-3 WASHER (2-REQD.)
 SATURATE WASHERS WITH M-7C12
 RUST PREVENTIVE BEFORE INSTALLING
 WASHERS TO BATTERY TERMINAL POSTS
 PRIOR TO INSTALLING BATTERY CABLES
 (TORQUE TO 4-6 LB.-FT.)

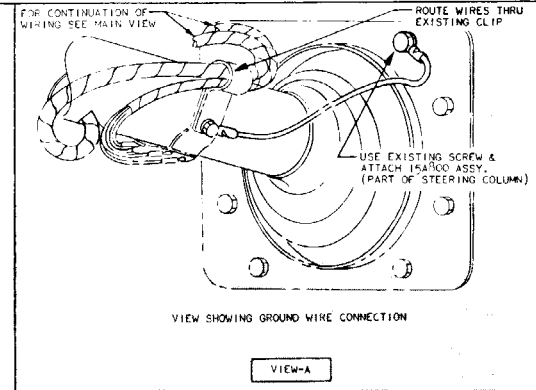
*C2SF-10655-A ASSY.
 BATTERY STANDARD EQUIP.

*C2TF-10655-J ASSY.
 BATTERY R.P.O. 5-106

*NOTE:
 THE ELECTROLYTE SPECIFIC GRAVITY OF BATTERIES IN
 VEHICLES WHEN DELIVERED TO THE CONVOY AREA SHALL
 BE NOT LESS THAN 1.240. (CORRECTED TO THE STANDARD
 REFERENCE TEMPERATURE OF 60°F.)

ILLUSTRATION SECTION

DATE 4-6-62 SUPERSEDES 1-29-62
 EFFECTIVE WITH CSNH-118432 #1
 C2SF-10655-A WAS 2702371
 C2TF-10655-J WAS 2702379



A
B
C
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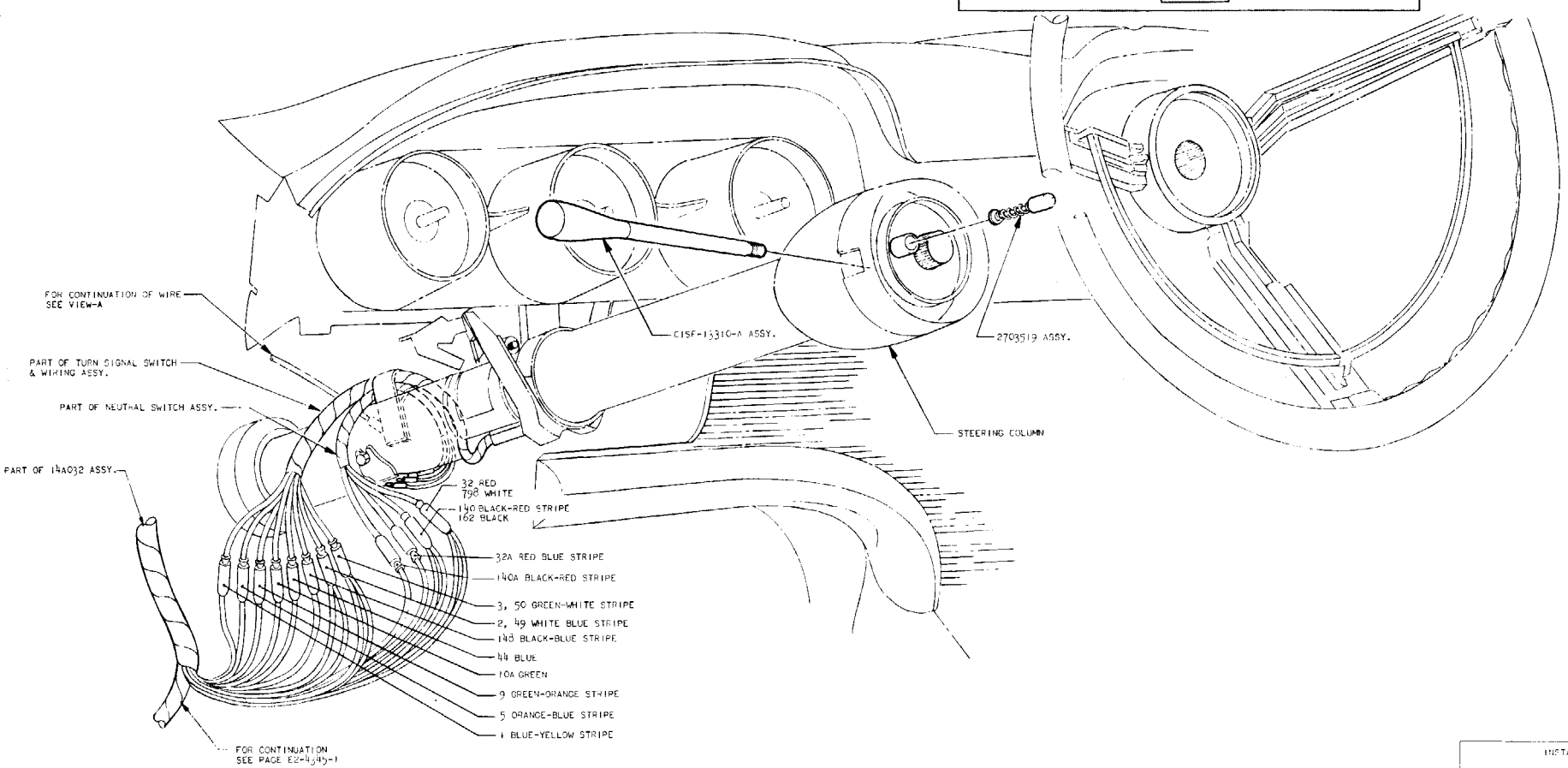
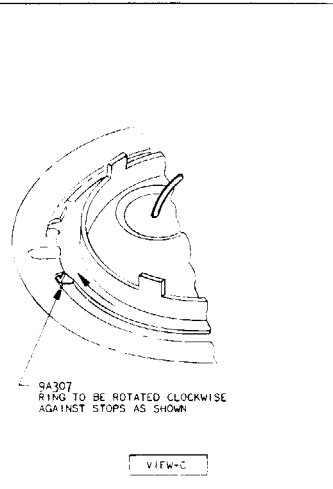
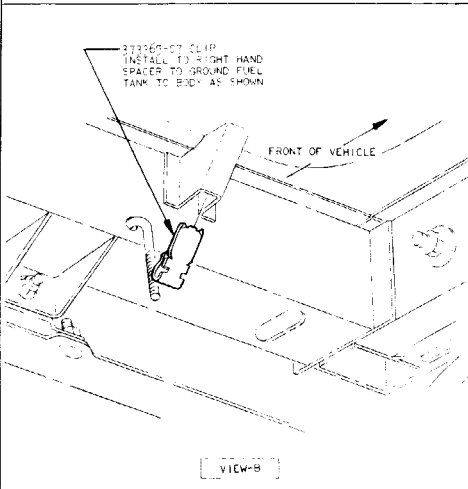
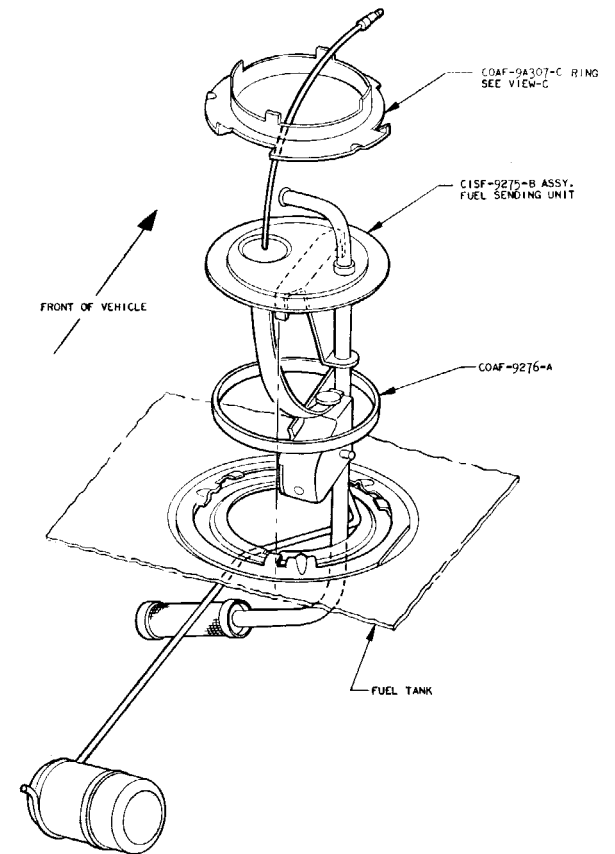
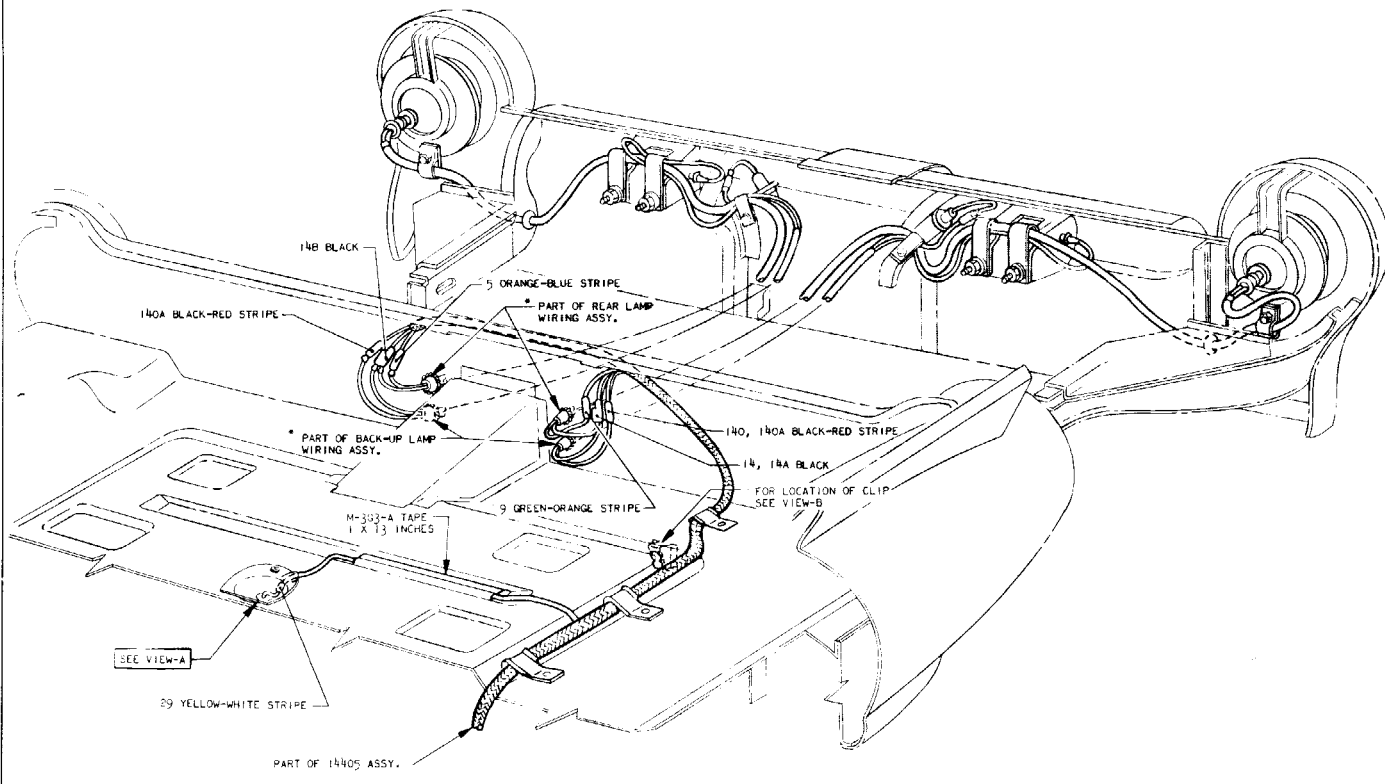


ILLUSTRATION SECTION

INSTALLATION - ON FINAL ASSY.
 (TURN SIGNAL WIRING)
 MODELS - ALL
THUNDERBIRD PAGE E2-4536-1



VIEW-A

*NOTE:
 AFTER WIRING IS INSTALLED, APPLY M-2633 ADHESIVE SEALER AROUND GROMMETS

NOTE:
 FOR LOCATION & SIZE OF HOLES (NOT SHOWN ON DRWG.) REQUIRED TO INSTALL ELECT. PARTS, SEE AFFECTED BODY PRINTS.

INSTALLATION - ON FINAL ASSY.
 (FUEL SENDING UNIT, REAR LAMP WIRING)
 MODELS - ALL

ILLUSTRATION SECTION

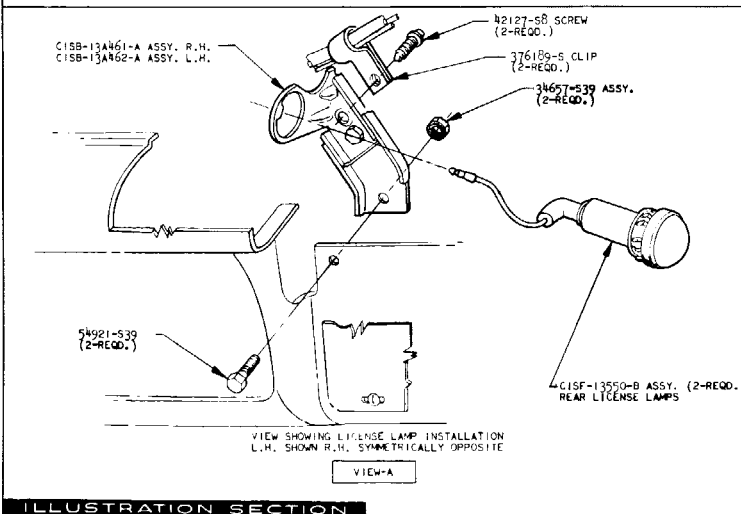
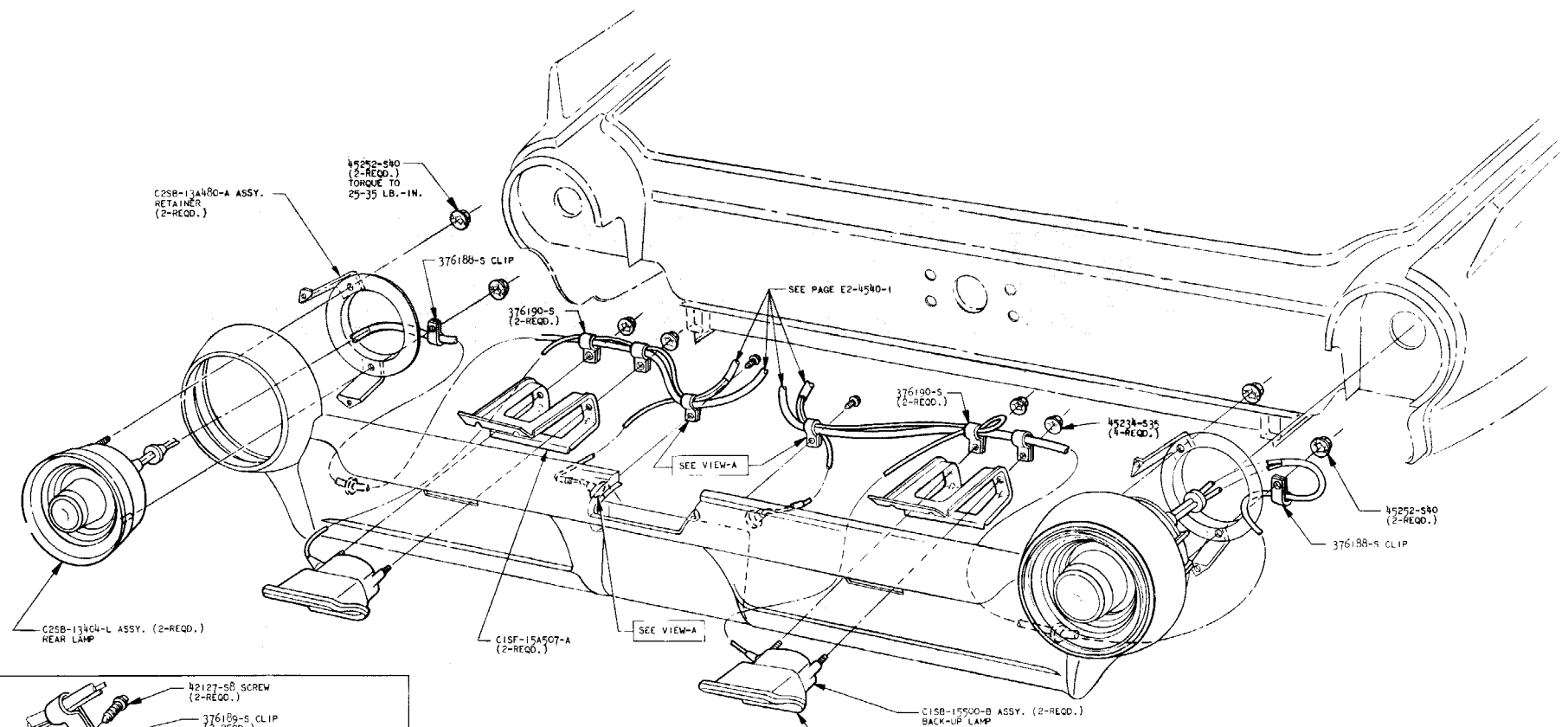


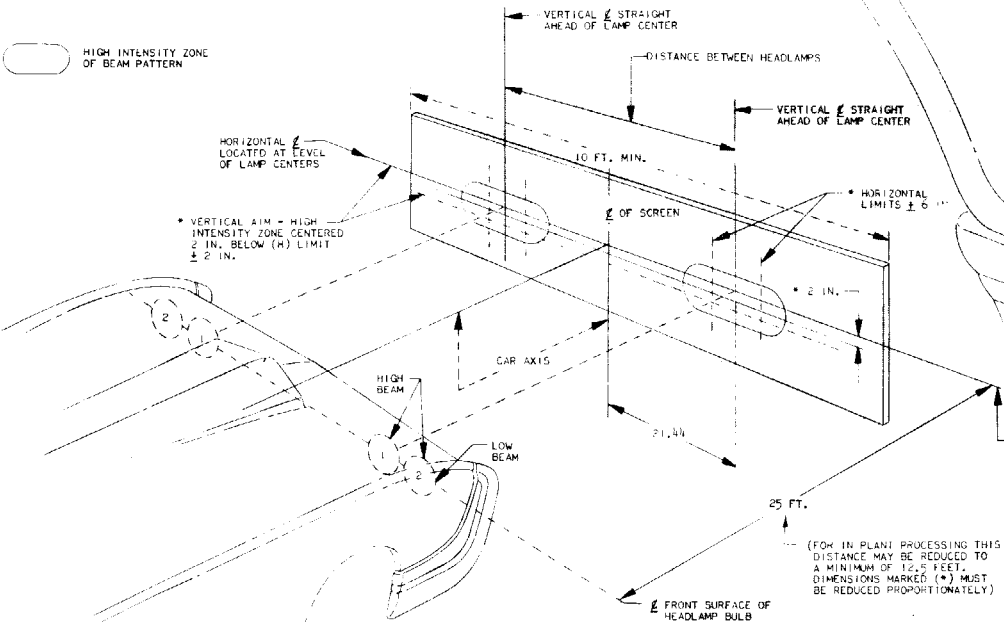
ILLUSTRATION SECTION

INSTALLATION - ON FINAL ASSY.
 (REAR LAMP, LICENSE LAMP, BACKUP LAMP)
 MODELS - ALL
THUNDERBIRD PAGE E-4770-1

22FF-4-59-01 LAMP HOUSES 1-1-62
 EFFECTIVE WITH C1SF-154507
 C29B-13484-L WAS X

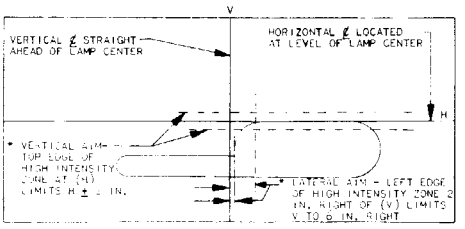
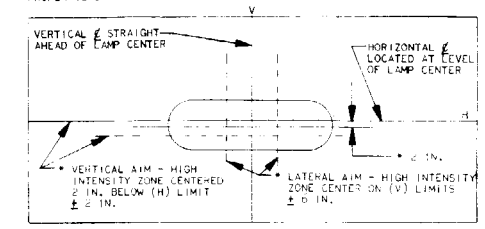
SURFACE OF SCREEN TO BE PAINTED FLAT WHITE
 SURFACE ON WHICH WHEELS STAND MUST BE LEVEL WITH SCREEN
 HIGH BEAM BULB #1 ONLY TO BE ADJUSTED. BULB #2 HIGH FILAMENT AUTOMATICALLY ADJUSTED WHEN LOW BEAM IS ADJUSTED
 #2 BULBS TO BE COVERED WHEN ADJUSTING HIGH BEAM BULB #1

HIGH INTENSITY ZONE OF BEAM PATTERN

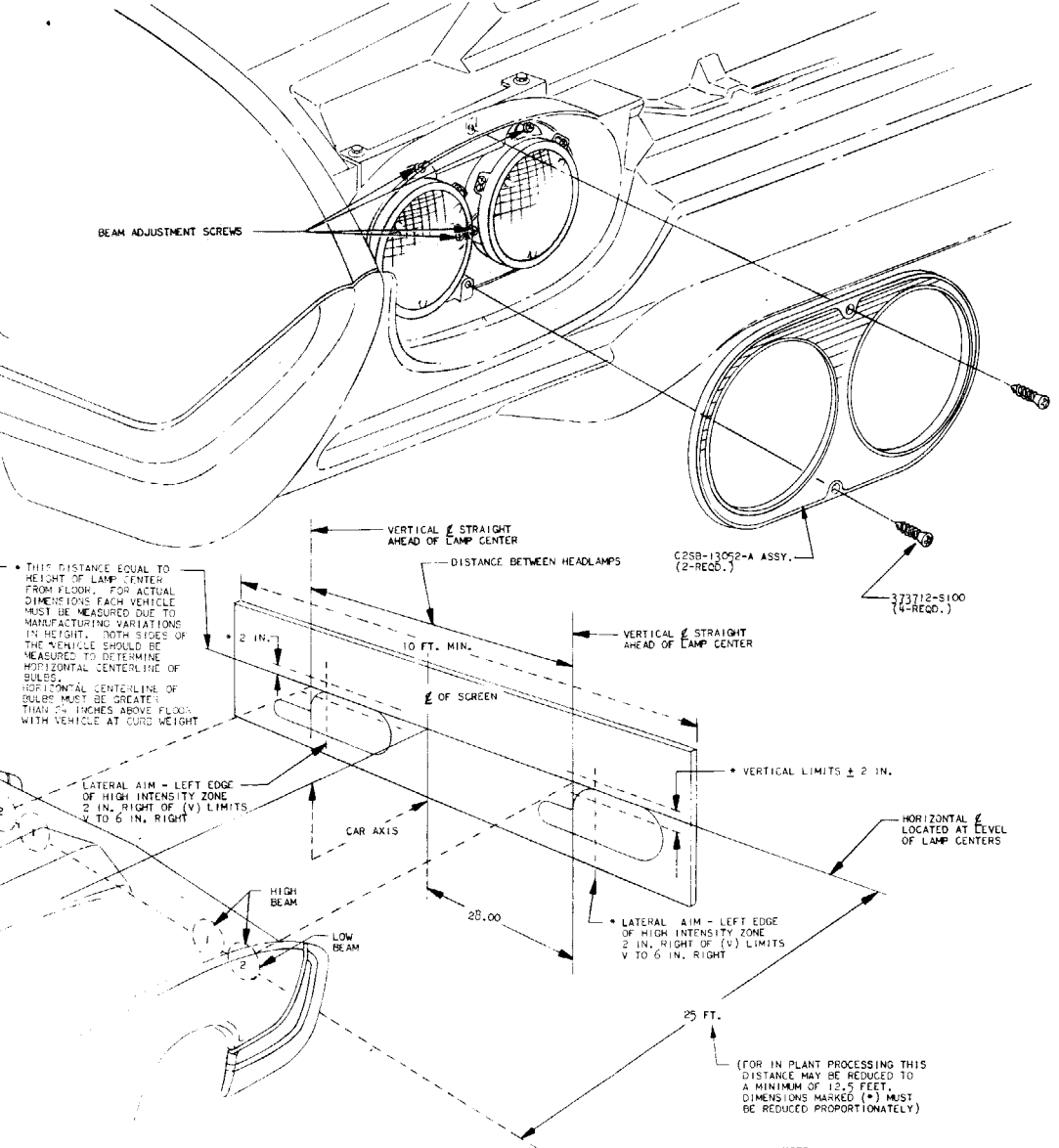


NO. 1 HIGH BEAM AIM REQUIREMENTS

CAUTION: ALWAYS ADJUST AIMING SCREW COUNTER CLOCK-WISE, THEN CLOCK-WISE UNTIL HIGH INTENSITY OF LIGHT IS PROPERLY AIMED. THIS WILL BRING THE BEAM INTO FINAL POSITION WITH THE UNIT HELD UNDER PROPER TENSION WHEN OPERATION IS COMPLETED.

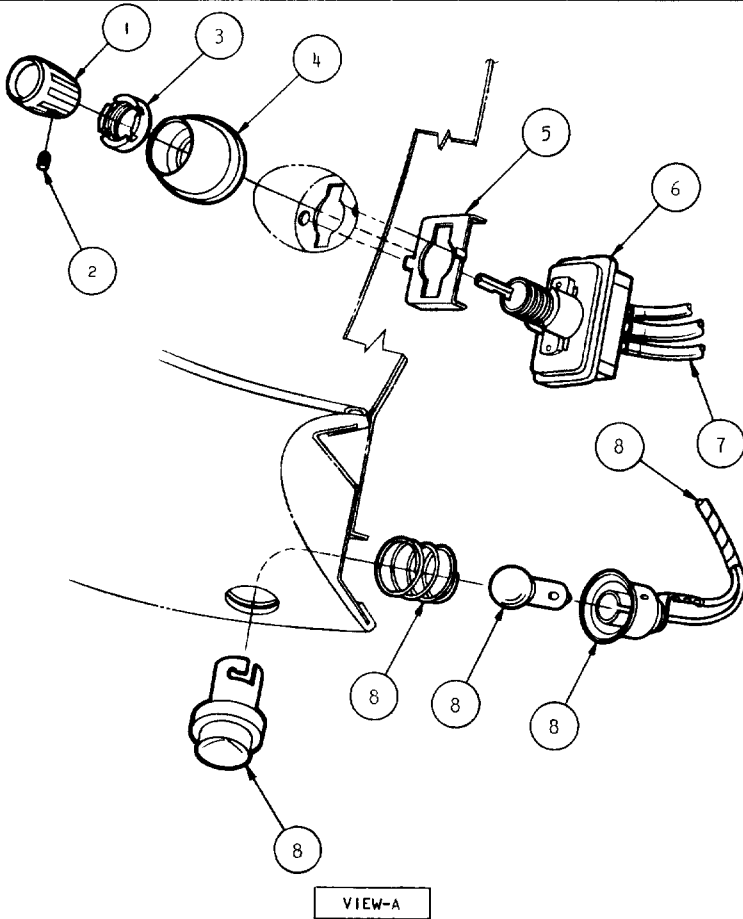
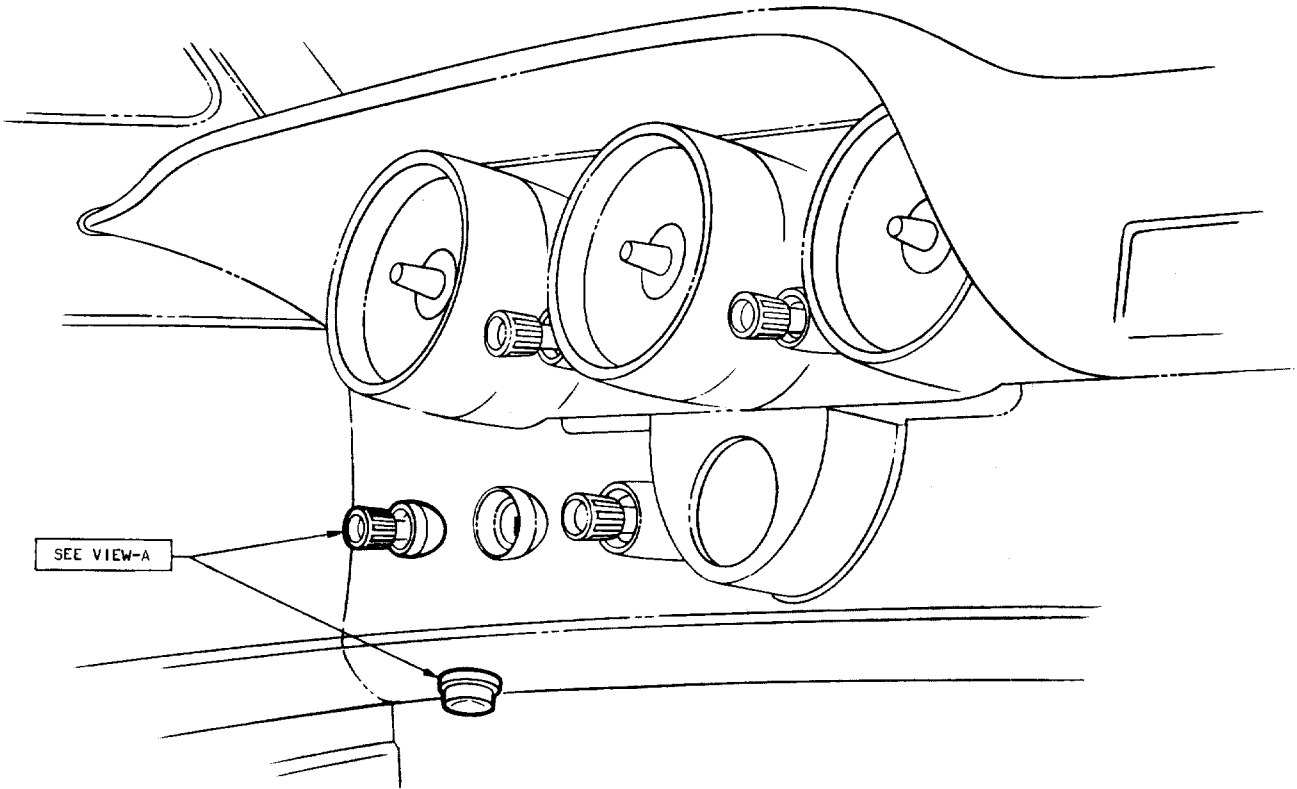


NO. 2 LOW BEAM AIM REQUIREMENTS



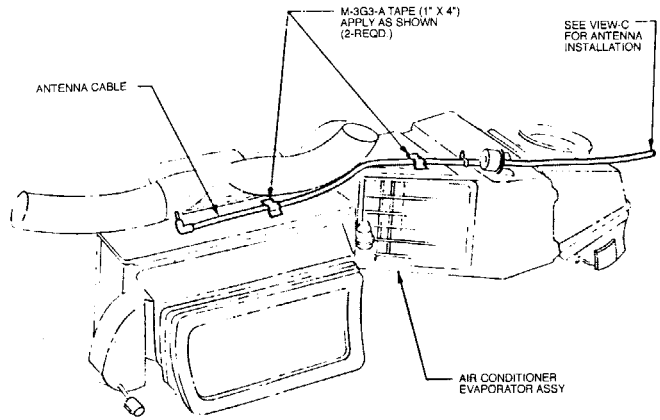
NOTE: REGARDLESS OF THE DISTANCE AT WHICH THE HEADLAMPS ARE AIMED, THE VEHICLES, WHEN INSPECTED, MUST MEET THE AIM SPECIFICATIONS AT 25 FEET

INSTALLATION - ON FINAL ASSY.
 HEADLAMP AIM REQUIREMENTS
 MODELS - ALL
THUNDERBIRD PAGE E2-4505-1



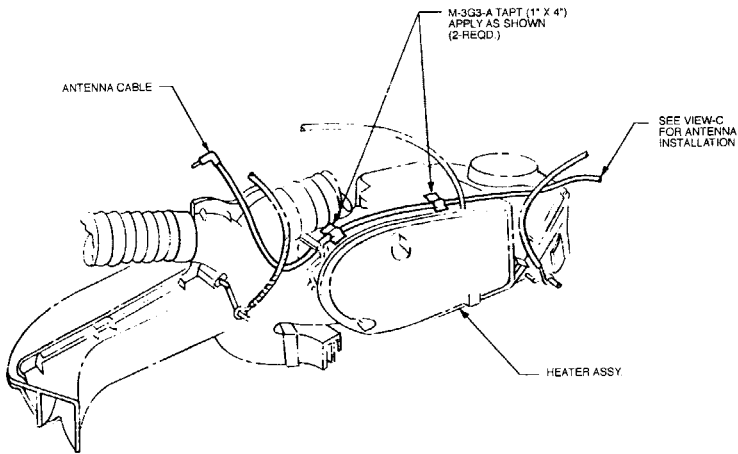
- 1 C3SB-6321830-A ASSY. KNOB
- 2 SCREW PART OF KNOB ASSY.
- 3 C3SB-6322158-A NUT
- 4 C3SB-63218A82-A BEZEL
- 5 C3SB-63218A84-A ADAPTER
- 6 CIVB-5722057-A ASSY. CONTROL
- 7 VACUUM DOOR LOCK HOSES
- 8 C2SB-10A841-B LAMP & WIRING ASSY. SEE PAGE-4300-2

INSTALLATION - VACUUM DOOR LOCKS
 MODELS - ALL
 (R.P.O. S-37)



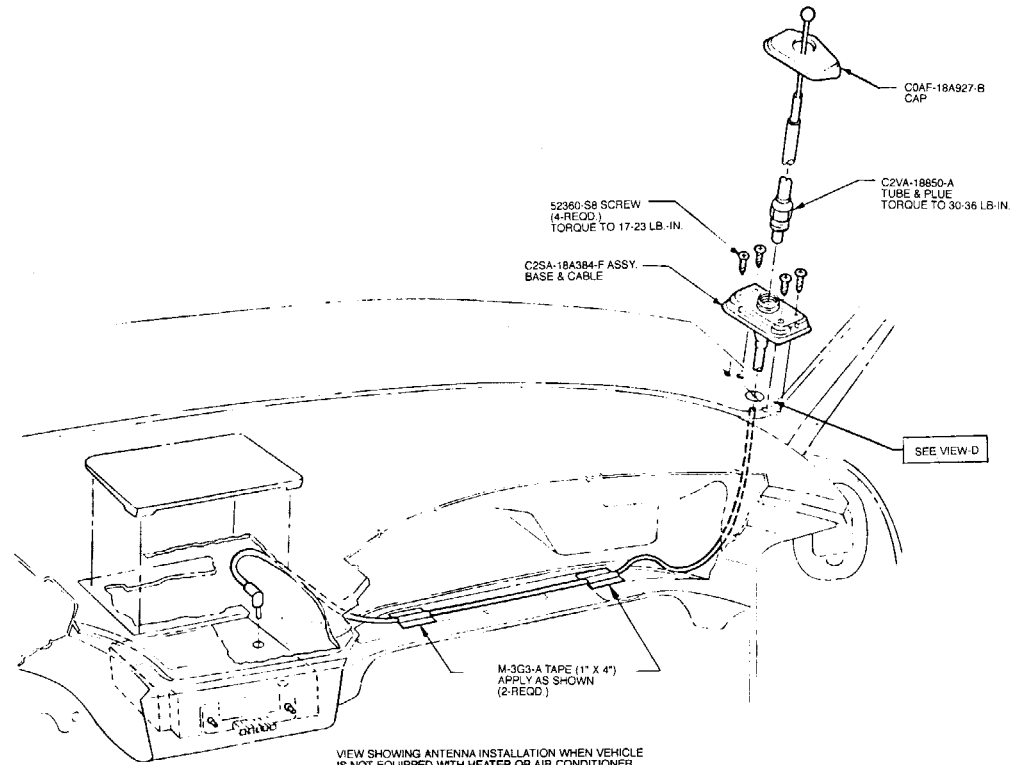
VIEW SHOWING ROUTING OF ANTENNA CABLE WHEN AIR CONDITIONING ASSY. IS INSTALLED

VIEW-A



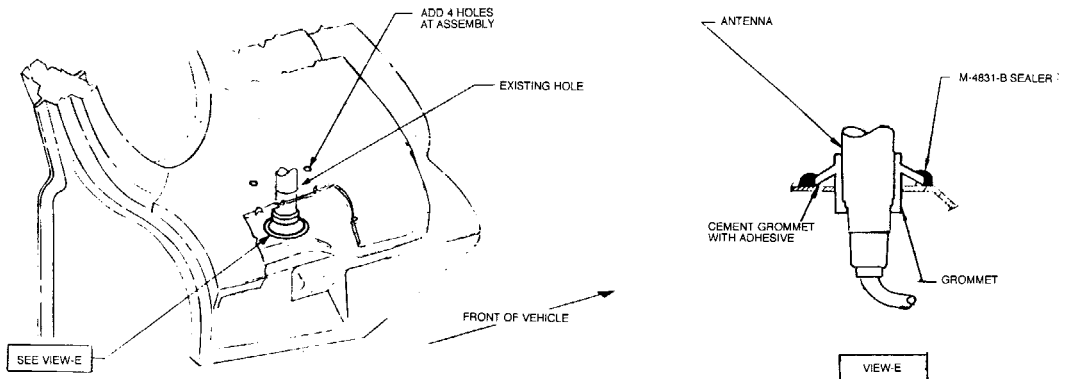
VIEW SHOWING ROUTING OF ANTENNA CABLE WHEN HEATER ASSY. IS INSTALLED

VIEW-B



VIEW SHOWING ANTENNA INSTALLATION WHEN VEHICLE IS NOT EQUIPPED WITH HEATER OR AIR CONDITIONER

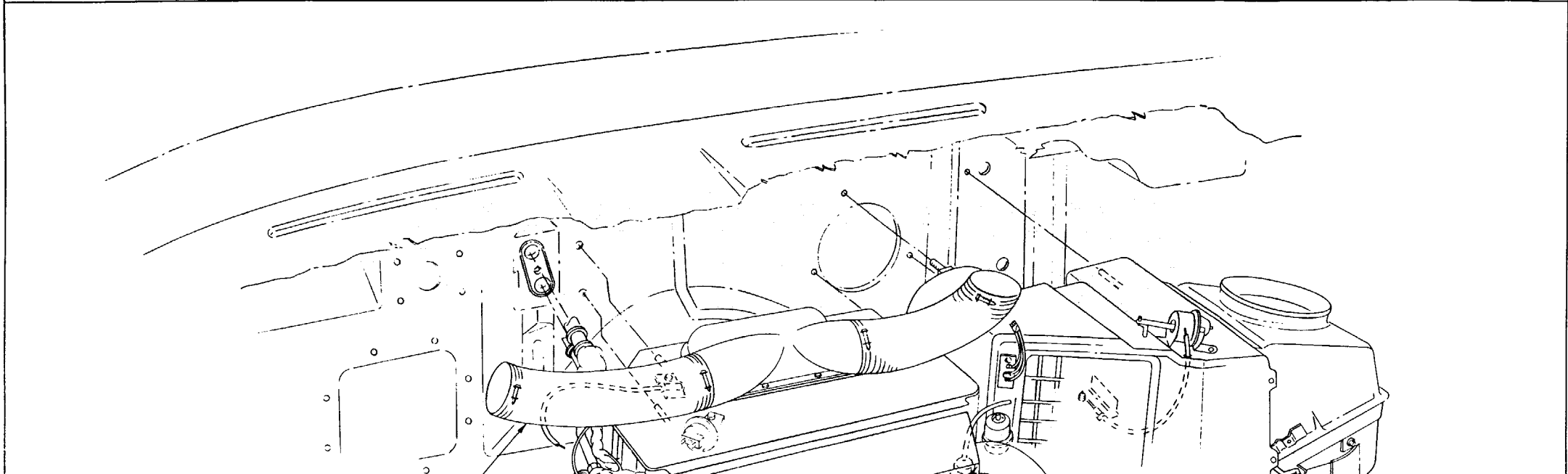
VIEW-C



VIEW SHOWING HOLES IN R.H. COWL PANEL

VIEW-D

INSTALLATION - RADIO ANTENNA
 MODELS - ALL
 (R.P.O. S-188)



NOTE: A AIR CONDITIONER ITEMS TO BE CHECKED BEFORE INSTALLATION

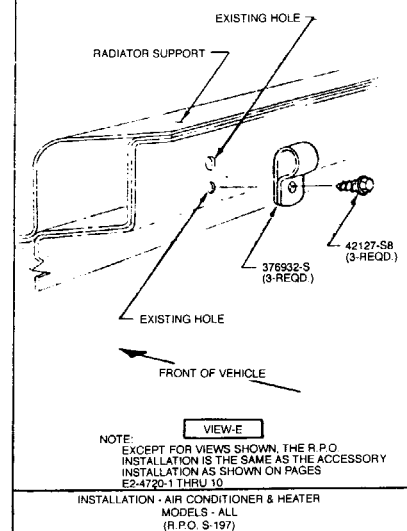
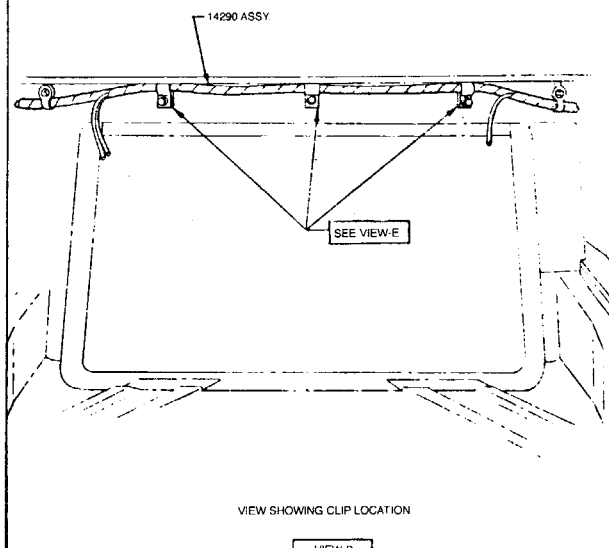
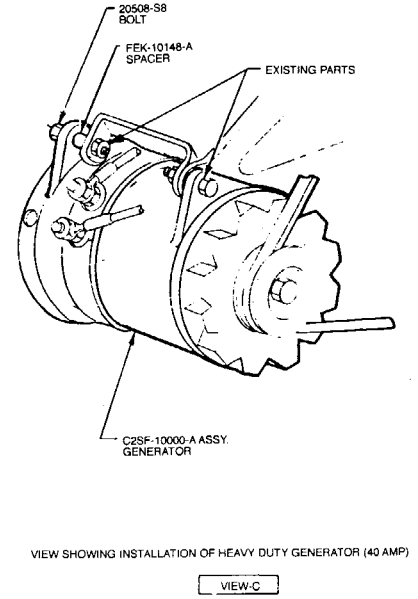
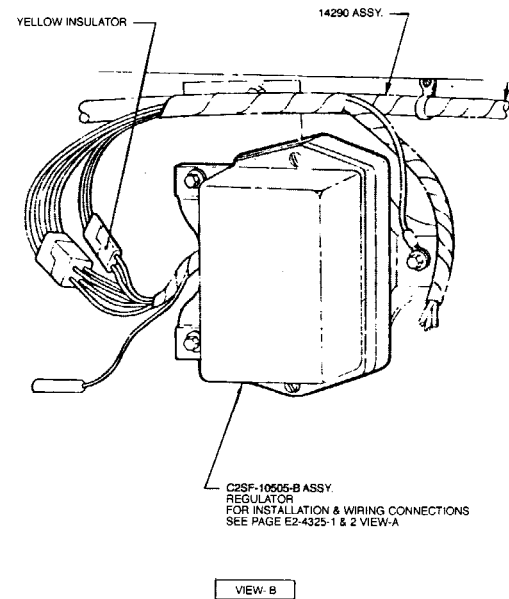
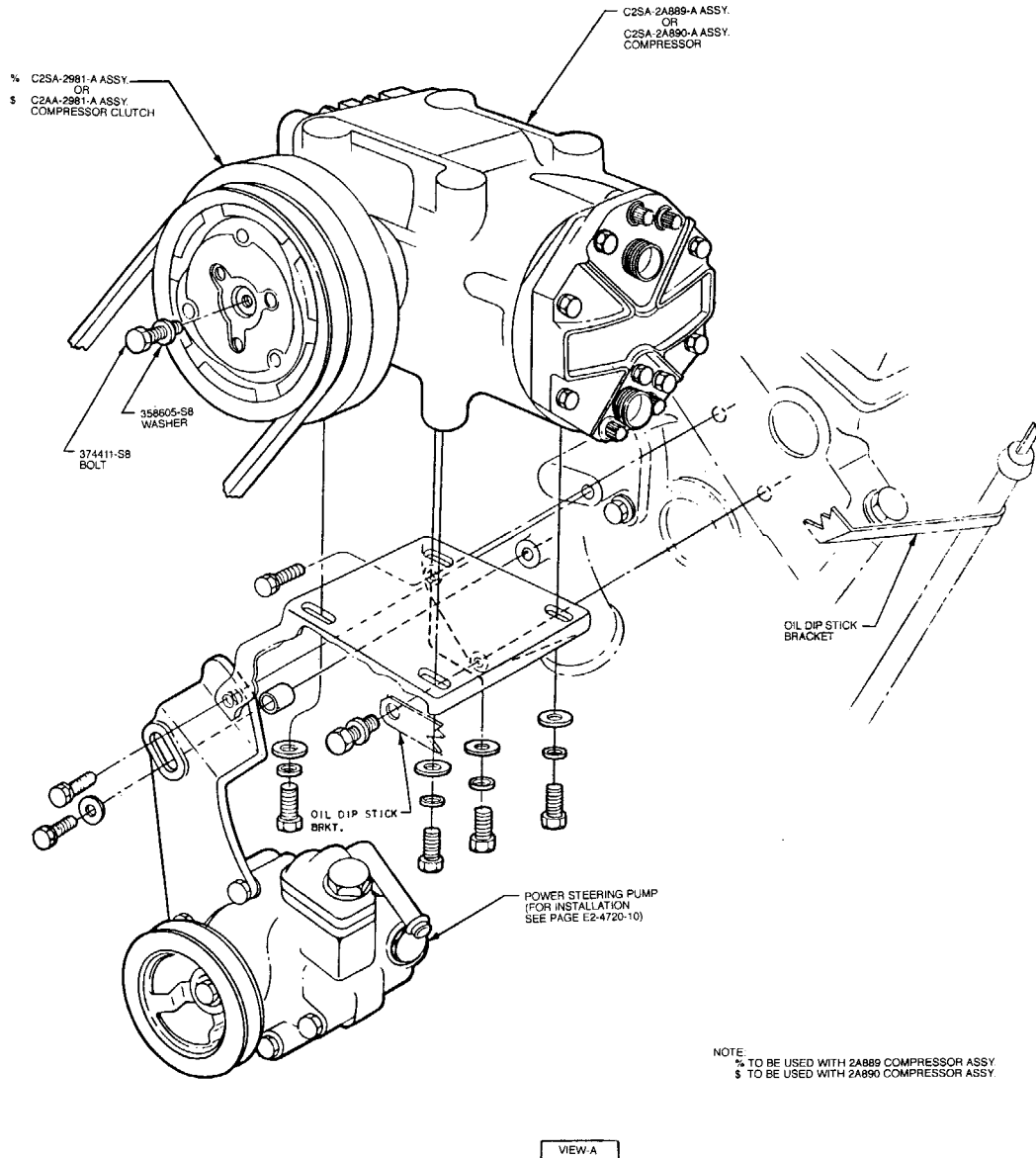
AIR CONDITIONING EVAPORATOR ASSEMBLY.

1. CHECK TEMPERATURE CONTROL ASSEMBLY AND DEFROSTER CONTROL ASSEMBLY FOR PROPER INSTALLATION TO RANCO AND DEFROSTER DOOR. CHECK TO MAKE SURE CONTROL ASSEMBLY'S CLAMPING SCREWS ARE TORQUED TO PROPER TENSION. ALSO CHECK RANCO THERMOSTAT AND DEFROSTER DOOR FOR PROPER OPERATION.
 2. CHECK FOR PROPER INSTALLATION OF VACUUM MOTORS ON R.H. AND L.H. HEATER OUTLETS. ALSO CHECK OPERATION OF OUTLET DOORS WITH A VACUUM SOURCE.
 3. RUN BLOWER MOTOR TO MAKE SURE BLOWER WHEEL IS FREE AND DOES NOT RUB PLASTIC CASE OR INLET RING.
 4. CHECK HEATER TEMPERATURE CONTROL ASSEMBLY FOR PROPER INSTALLATION TO RANCO WATER VALVE. ALSO CHECK TO MAKE SURE CONTROL ASSEMBLY CLAMPING SCREW IS TORQUED TO PROPER TENSION AND RANCO WATER CONTROL OPERATES PROPERLY.
 5. CHECK FOR PROPER INSTALLATION OF RECIRCULATING DOOR VACUUM MOTOR. ALSO CHECK DOOR FOR PROPER OPERATION WITH A VACUUM SOURCE.
 6. CHECK FOR PROPER OPERATION OF R.H. VENT DOOR.
 7. CHECK FOR PROPER INSTALLATION OF REGISTER SHUT OFF DOOR VACUUM MOTOR. ALSO CHECK DOOR FOR PROPER OPERATION WITH A VACUUM SOURCE.
 8. CHECK RUBBER GASKET FOR PROPER CEMENTING TO DUCT ASSEMBLY. ALSO CHECK RUBBER BOOT FOR PROPER CEMENTING TO DUCT ASSEMBLY AND FRAME ASSEMBLY.
 9. INSTALL AND MAKE SURE DEFROSTER HOSES ARE SECURELY CONNECTED.
 10. CHECK FOR BROKEN OR FRACTURED PLASTIC PARTS.
- B AIR CONDITIONER ITEMS TO BE CHECKED AFTER A/C ASSEMBLY HAS BEEN INSTALLED IN VEHICLE. (SEE INSTRUCTIONS ON PAGE E2-4720-4)

NOTE

EXCEPT FOR VIEW SHOWN, THE R.P.O. INSTALLATION IS THE SAME AS THE ACCESSORY INSTALLATION SHOWN ON PAGES E2-4720-1 THRU 10.

FOR INSTALLATION OF GENERATOR & VOLTAGE REGULATOR SEE PAGE 32-4650-2



SAFETY PRECAUTIONS

1. **M-17B-2**, REFRIGERANT 12, IS CLASSIFIED AS A SAFE REFRIGERANT. IT IS AN ODORLESS, COLORLESS, TASTELESS, NON-CORROSIVE, NON-INFLAMMABLE, AND NON-TOXIC GAS. HOWEVER, THERE ARE PRECAUTIONS TO TAKE IN ORDER TO PROTECT SERVICING PERSONNEL AND VARIOUS PARTS OF THE SYSTEM.
2. M-17B-2 IS USED AS THE REFRIGERANT IN "FORD AIR CONDITIONING SYSTEMS" BECAUSE IT IS CLASSIFIED AS A SAFE REFRIGERANT, AND HAS DESIRABLE PRESSURES AND TEMPERATURES AT WHICH IT WILL EVAPORATE AND ABSORB HEAT OR CONDENSE AND GIVE UP HEAT. IF EVEN THE SMALLEST QUANTITY OF AIR REMAINS IN THE SYSTEM, IT WILL AFFECT THESE OPERATING PRESSURES AND TEMPERATURES SUCH AS TO REDUCE THE PERFORMANCE OF THE UNIT.
3. ALWAYS WEAR SAFETY GOGGLES WHEN SERVICING AN AIR CONDITIONING SYSTEM.
4. AVOID CONTACT WITH LIQUID REFRIGERANT. (LIQUID REFRIGERANT EVAPORATES SO RAPIDLY AND AT SUCH A LOW TEMPERATURE THAT IT WILL RESULT IN FROST BITE) TREAT SKIN AREAS AS FOR FROST BITE, TREAT EYES WITH A FEW DROPS OF STERILE MINERAL OIL, WASH IN A WEAK BORIC ACID SOLUTION, AND CONSULT A PHYSICIAN.
5. NEVER ALLOW REFRIGERANT GAS TO ESCAPE IN QUANTITY IN A CONFINED SPACE.
6. NEVER WELD OR TORCH SOLDER IN THE PRESENCE OF REFRIGERANT 12. R-12 IS NON-TOXIC AT ALL NORMAL TEMPERATURES. WHEN EXPOSED TO A FLAME IT WILL DECOMPOSE. ONE OF THE PRODUCTS OF THE DECOMPOSITION IS PHOSGENE GAS WHICH IS HIGHLY TOXIC. SMOKING IN AN ATMOSPHERE CONTAMINATED BY R-12 IS NOT RECOMMENDED.
7. NEVER DIRECT A FLAME OR ANY OTHER SOURCE OF EXCESSIVE HEAT ON OR NEAR ANY PART OF AN AIR CONDITIONING SYSTEM, REFRIGERANT TANK, OR APPARATUS IF THE HEATED CONTAINER IS NOT VENTED TO THE ATMOSPHERE, REGARDLESS OF WHETHER IT IS CHARGED WITH REFRIGERANT OR NOT. THE UNVENTED AIR CONDITIONING SYSTEM IS LIKE ANY PRESSURE VESSEL IN THAT EXCESSIVE HEAT WILL RAISE THE PRESSURE SO HIGH AS TO DAMAGE THE SYSTEM OR EVEN RESULT IN AN EXPLOSION.

PRE-INSTALLATION PROCEDURE

1. CAREFULLY WEIGH THE EVAPORATOR AND CONDENSER ASSEMBLIES. IF THEIR RESPECTIVE WEIGHTS ARE NOT WITHIN 2 OZ. OF THE WEIGHT INDICATED BY THE WEIGHT TABS, DO NOT INSTALL THE ASSEMBLY. THE LOSS OF WEIGHT IS AN INDICATION OF A REFRIGERANT LEAK.
2. INSPECT COMPRESSOR SHAFT TAPER FOR DAMAGE AND PROPER POSITION OF "WOODRUFF" KEY. THE TOP SURFACE OF THE KEY SHOULD BE PARALLEL TO THE SHAFT TAPER.
3. USING A PRESSURE GAGE (0 TO 30 PSIG) WITH A HYPODERMIC NEEDLE ADAPTER CHECK THE COMPRESSOR FOR NITROGEN HOLDING CHARGE BY INSERTING NEEDLE THROUGH RUBBER PLUG IN SUCTION PORT SHIPPING FLANGE. GAGE MUST INDICATE A PRESSURE OF 10-25 PSIG. IF HOLDING CHARGE PRESSURE DOES NOT FALL IN THIS RANGE, REJECT THE COMPRESSOR.

INSTALLATION PRECAUTIONS

1. WHEN INSTALLING CLUTCH MATCH CRANKSHAFT KEY WITH KEYWAY IN CLUTCH HUB AND INSTALL CLUTCH ASSEMBLY. CLUTCH SHOULD SEAT FIRMLY PRIOR TO INSTALLING BOLT. IF CLUTCH DOES NOT SEAT PROPERLY, DO NOT USE ATTACHING BOLT TO FORCE A FIT.
2. OBSERVE ALL TORQUE SPECIFICATIONS LISTED ON THE ILLUSTRATION SHEETS.
3. EVACUATE THE COMPRESSOR AND SERVICE VALVES BY CONNECTING A VACUUM PUMP TO THE GAGE PORT OF THE COMPRESSOR DISCHARGE SERVICE VALVE. WHEN THE COMPRESSOR PRESSURE HAS REACHED FROM 25 TO 30 IN. HG VACUUM TURN THE COMPRESSOR DISCHARGE SERVICE VALVE COUNTERCLOCKWISE UNTIL IT IS BACK SEATED. REMOVE THE VACUUM PUMP AND LINE AND REPLACE THE GAGE PORT CAP; THEN OPEN THE COMPRESSOR-SUCTION SERVICE VALVE (COUNTERCLOCKWISE) AND BACK SEAT IT. REPLACE BOTH VALVE STEM COVER CAPS.

POST INSTALLATION PROCEDURE

1. CHECK THE ENTIRE SYSTEM FOR LEAKS WITH A G.E. ELECTRONIC LEAK DETECTOR CALIBRATED AT .25-OZ. PER YEAR. THE CRANKSHAFT SEAL SHOULD BE LEAK CHECKED AT A LEAK DETECTOR CALIBRATION OF 1.0-OZ. PER YEAR. IF A LEAK OCCURS AT THE CRANKSHAFT SEAL, COMPRESSOR MUST BE OPERATED FOR A MINIMUM OF TWO MINUTES AT 1000 RPM AND THEN RECHECKED. IF LEAK IS STILL APPARENT, COMPRESSOR SHOULD BE REJECTED.
2. IF A FAULTY COMPONENT IS DETECTED, VENT THE ENTIRE SYSTEM. VENT SLOWLY AND CAREFULLY TO AVOID LOSS OF OIL. IF EXCESSIVE OIL LOSS OCCURS, DRAIN AND RECHARGE THE COMPRESSOR OIL SYSTEM. REPLACE THE FAULTY SYSTEM COMPONENT AND RECHARGE WITH 3.00 LBS. OF M-17B-2 REFRIGERANT.
3. OPERATE THE SYSTEM ON HIGH BLOWER, 1000-1500 ENGINE RPM AND CHECK THE SIGHT GLASS FOR BUBBLES. IF BUBBLES PERSIST, IT INDICATES A LACK OF REFRIGERANT CHARGE.
4. OPERATE THE SYSTEM ON HIGH BLOWER, 1000-1500 ENGINE RPM FOR 5 MINUTES AND CHECK THE STABILIZED DISCHARGE AIR TEMPERATURE WHICH MUST BE 25°F BELOW THE AMBIENT AIR TEMPERATURE. (ALL CAR WINDOWS MUST BE OPEN DURING THIS CHECK.) THE TEST SHOULD BE RUN AT FREQUENCIES SUFFICIENT TO ASSURE THAT THUNDERBIRD A/C SYSTEM WILL MEET THIS REQUIREMENT.

NOTE:
ALL TESTS LISTED ABOVE & TORQUE REQUIREMENTS AS SPECIFIED ON ELECTRICAL ILLUSTRATION PAGES E2-4720-3, 4, 5, 8, 9 & 10.
TO BE CERTIFIED BY ASSEMBLY PLANT.

INSTALLATION - AIR CONDITIONER & HEATER
MODELS - ALL
(R.P.O. S-197)

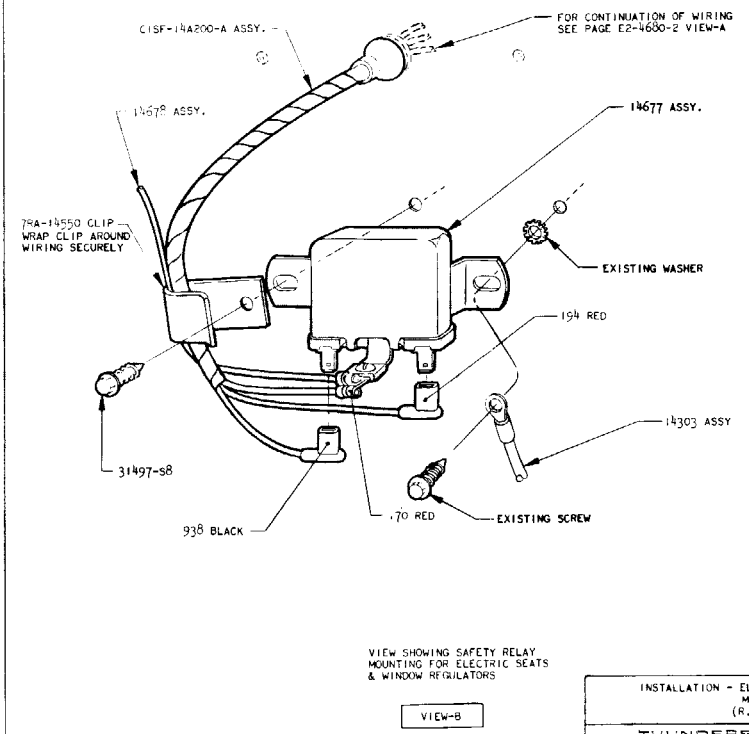
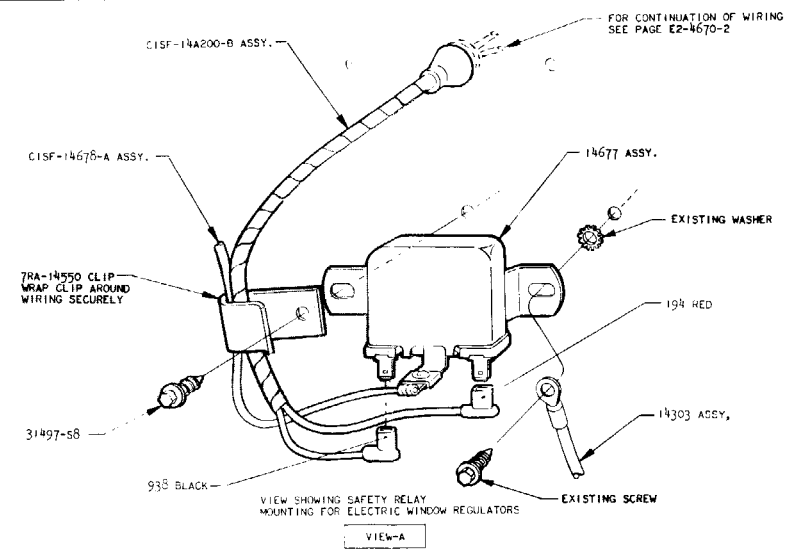
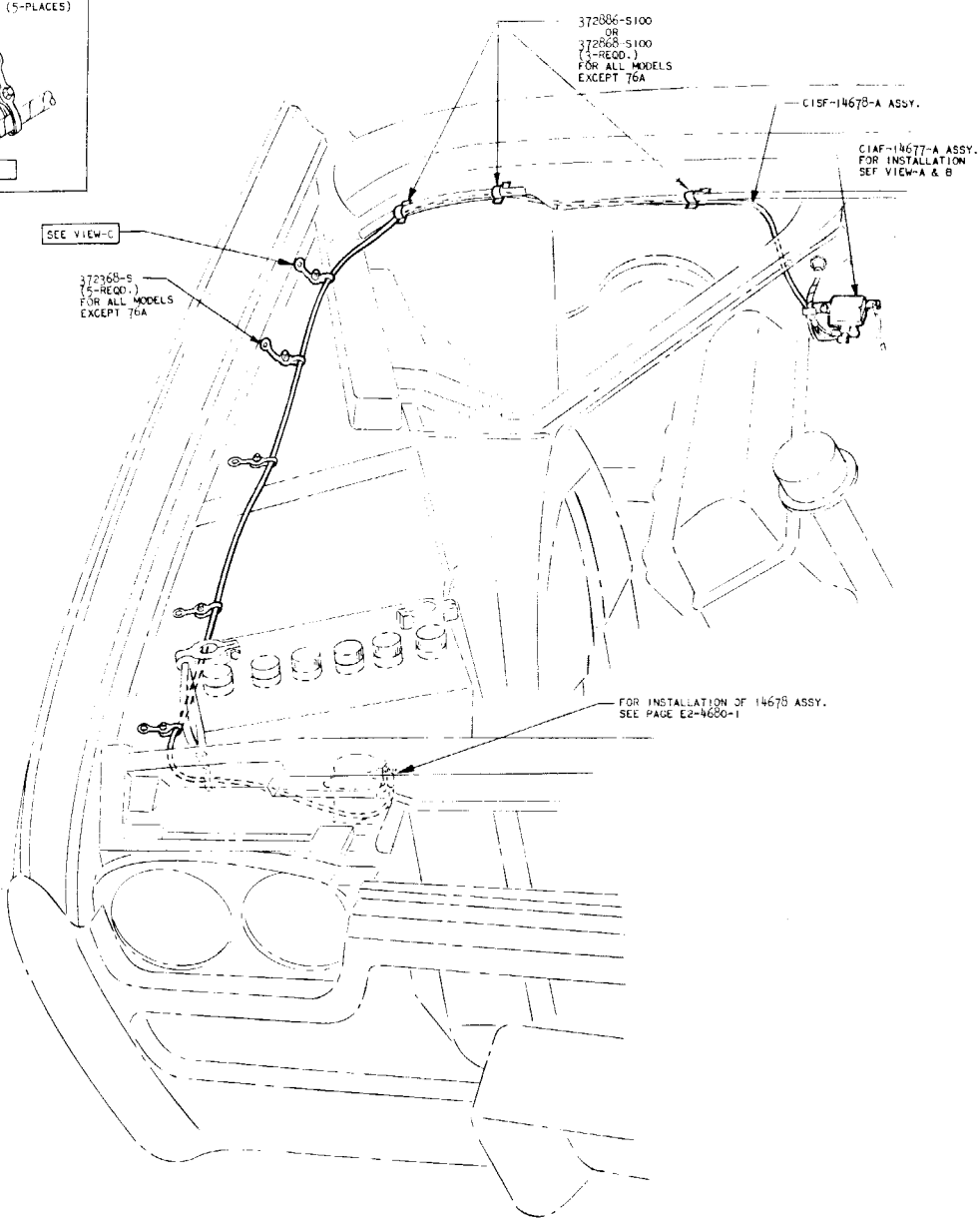
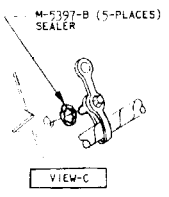


ILLUSTRATION SECTION

DATE 7-28-61 SUPERSEDES 8-7-61
 EFFECTIVE WITH CSMI-105685
 REVISED NOTE

INSTALLATION - ELECTRIC WINDOW REGULATORS MODELS - ALL (R.P.D. 5-2320)
THUNDERBIRD PAGE E2-4670-1

THESE CONNECTIONS ARE FOR MODEL 76A ONLY. SEE PAGE E2-4670-1 FOR VIEW-C.

THIS CONNECTION FOR MODEL 76A ONLY FOR SWITCH INSTALLATION. SEE PAGE E2-4450-2 VIEW-A.

VIEW-A

35900-S CLIP WRAP CLIP AROUND WIRE SECURELY. APPLY M-5397-B SEALER TO SCREW PRIOR TO INSTALLATION.

37592-S CLIP WRAP CLIP SECURELY AROUND WIRE.

14400 ASSY. FOR CONTINUATION SEE PAGE E2-4670-1.

35640-5100 CLIP WRAP CLIP AROUND WIRE SECURELY. USE EXISTING BOLT THAT ATTACHES W/S WIPER MOTOR.

37206-5100 CLIP WRAP CLIP AROUND WIRE SECURELY. APPLY M-5397-B SEALER TO SCREW PRIOR TO INSTALLATION.

372107-5100 OR 372108-5100

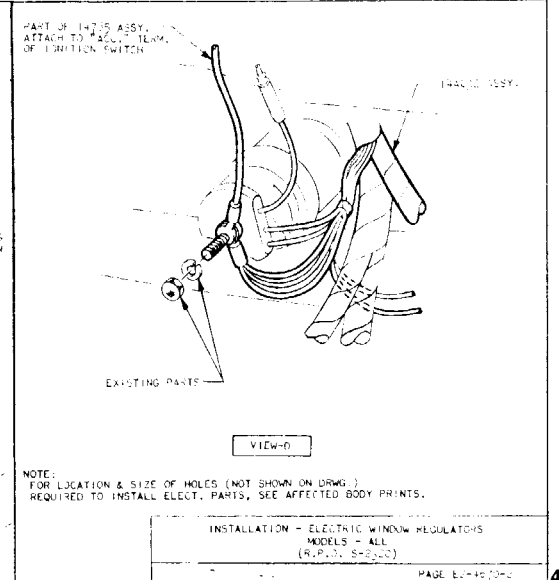
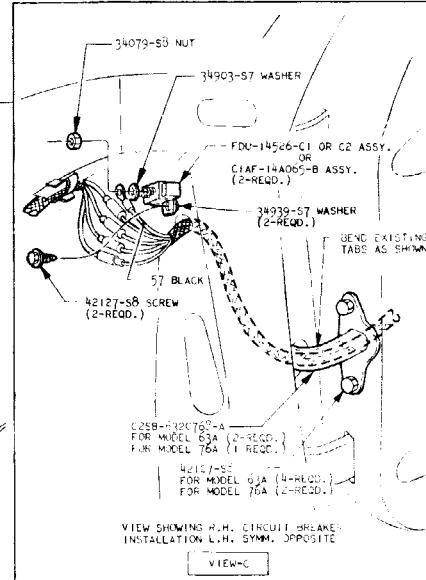
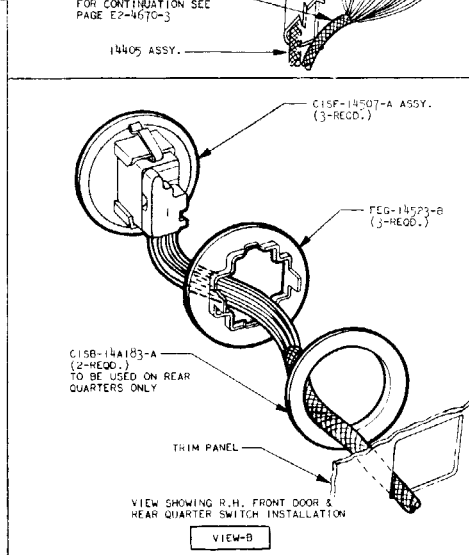
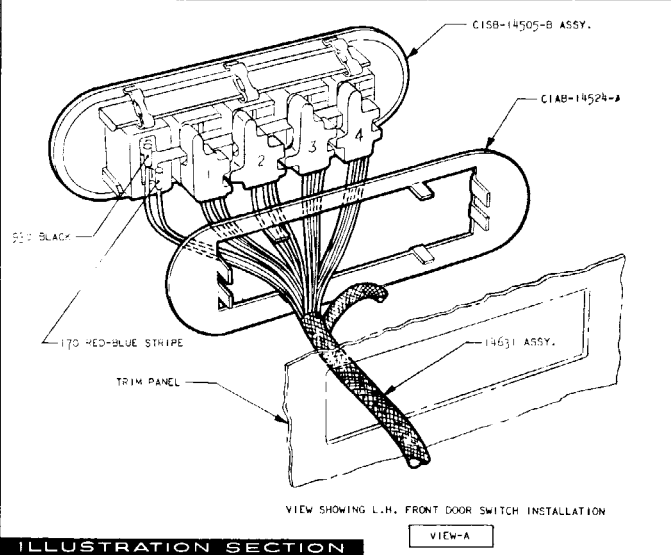
170 RED-BLUE STRIPE

SEE VIEW-C

SEE VIEW-B

372107-5100 OR 372108-5100

BLACK INSULATOR

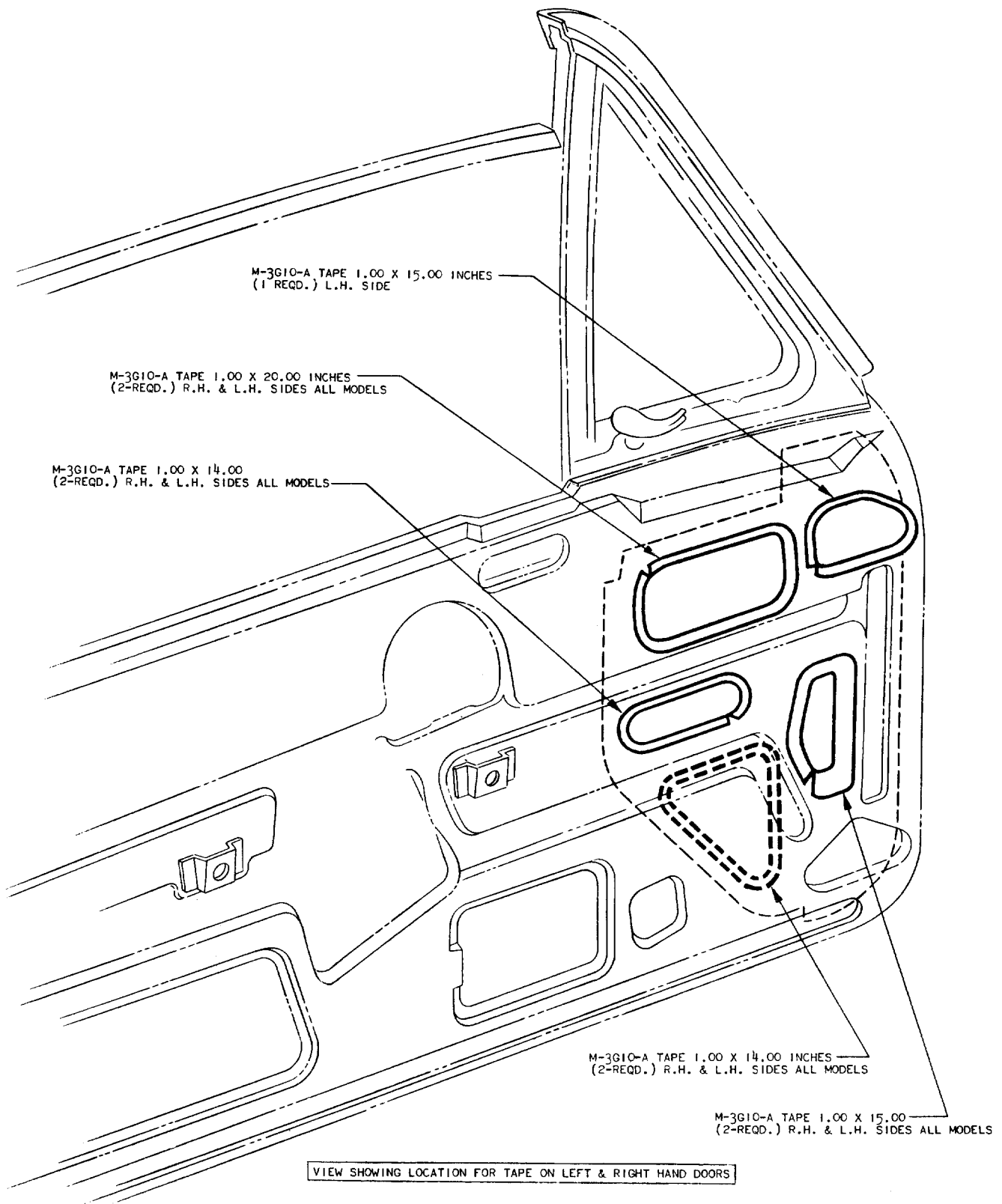


NOTE: FOR LOCATION & SIZE OF HOLES (NOT SHOWN ON DRWG.) REQUIRED TO INSTALL ELECT. PARTS, SEE AFFECTED BODY PRINTS.

INSTALLATION - ELECTRIC WINDOW REGULATORS - MODELS - ALL (R.P.D. S-842)

ILLUSTRATION SECTION

DATE 4-18-62 SUPPLIES 4-5-62 EFFECTIVE WITH CEN-1306C C25B-6320758-A WAS C15B-4530770-A

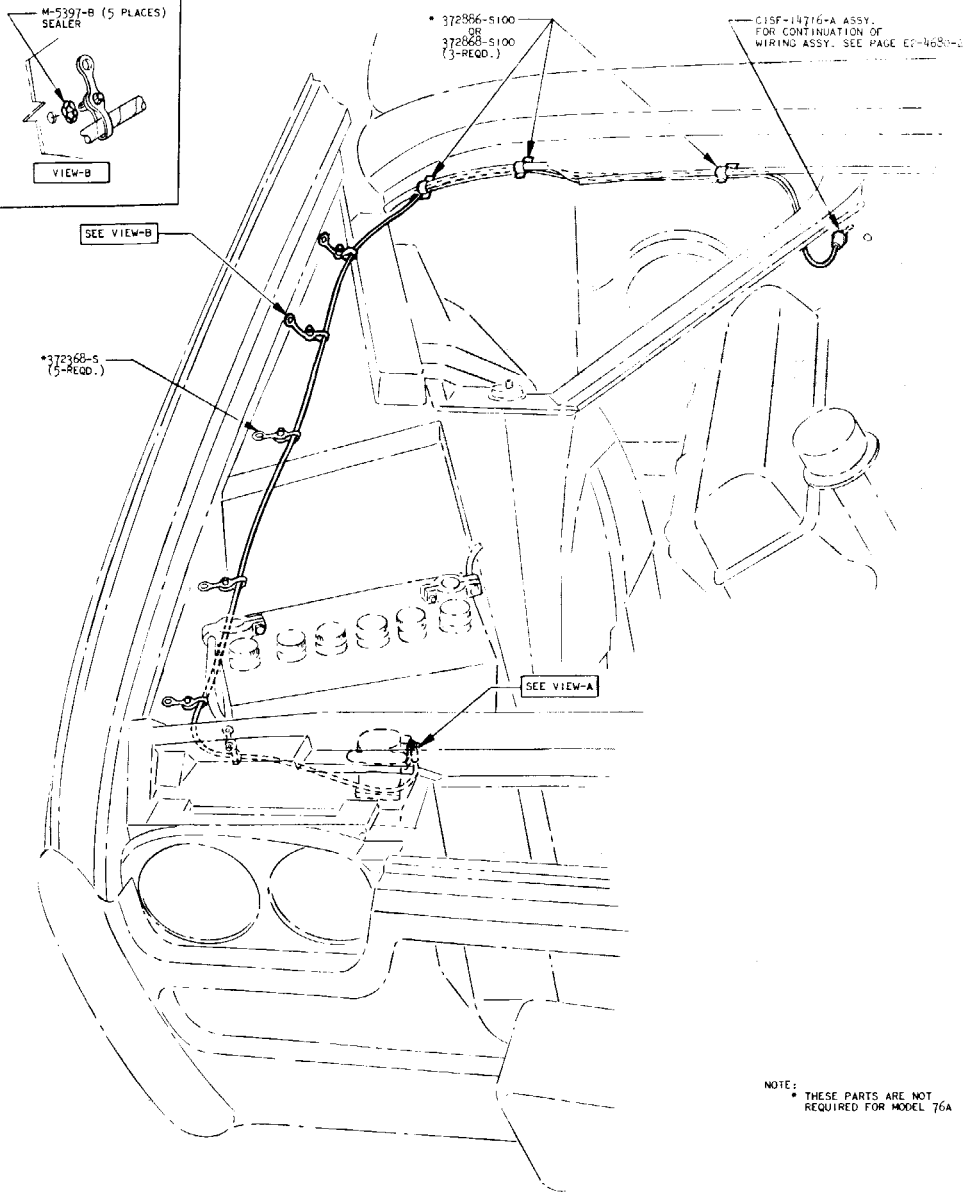


INSTALLATION - ELECTRIC WINDOW REGULATORS
MODELS - ALL
(R.P.O. S-2320)

THUNDERBIRD

PAGE E2-4670-4

ILLUSTRATION SECTION



NOTE:
 • THESE PARTS ARE NOT
 REQUIRED FOR MODEL 76A

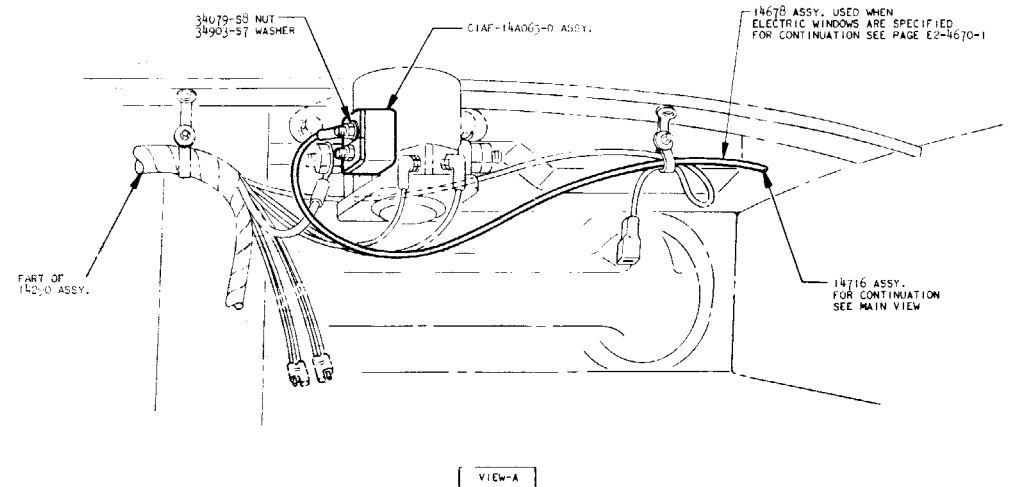
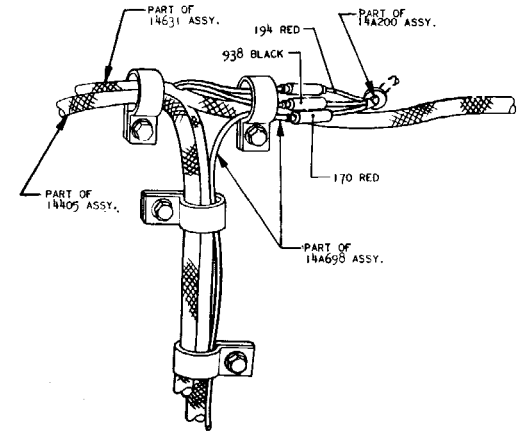
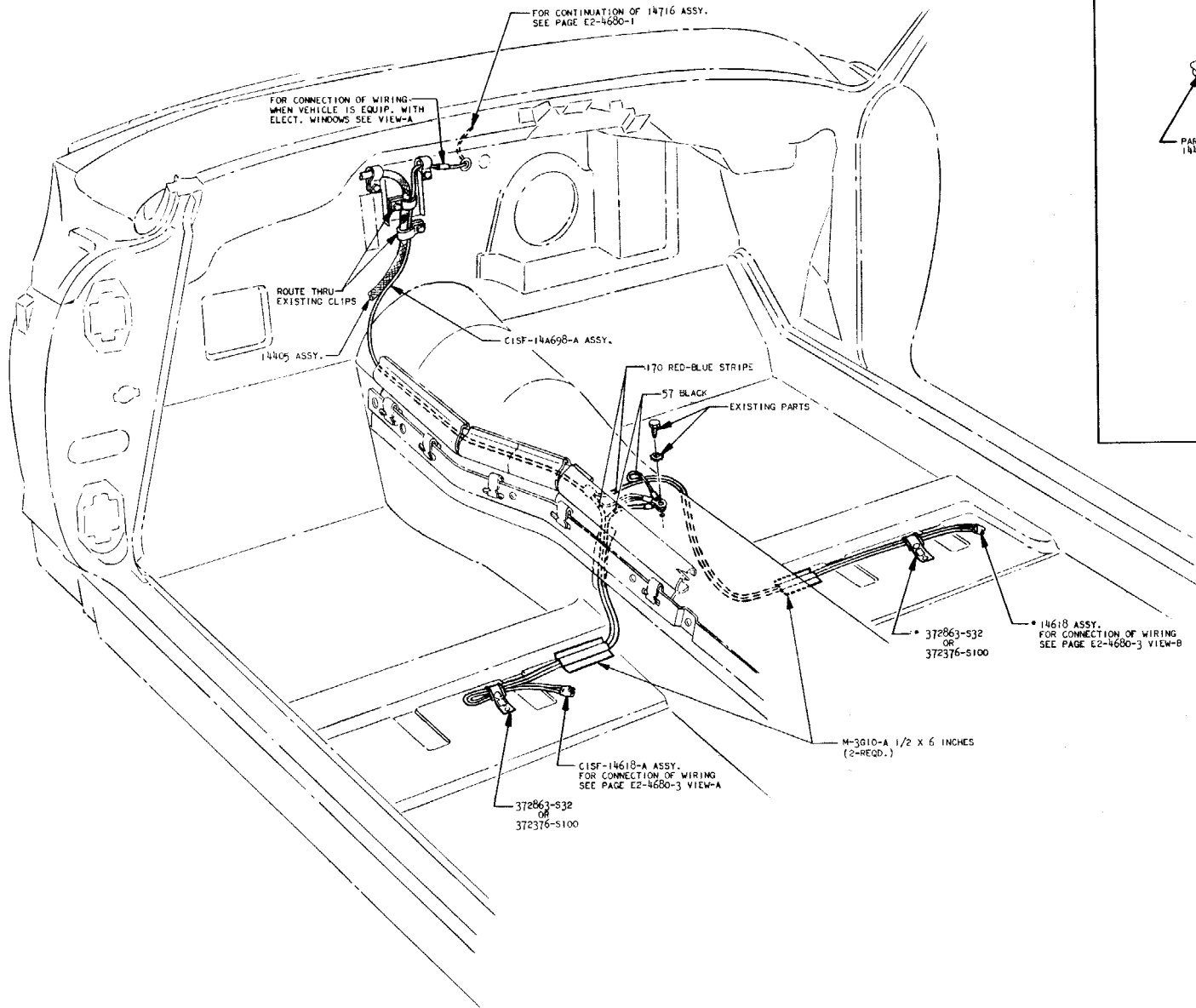


ILLUSTRATION SECTION

DATE 7-28-61 SUPERSEDES 4-7-61
 EFFECTIVE WITH CSM1-105605
 REMOVED C15B-14A065-A REQMTS.

INSTALLATION - ELECTRIC SEAT ADJUSTOR REGULATOR
 MODELS - ALL
 (R.P.O. S-6047)

THUNDERBIRD PAGE E2-4680-1



VIEW SHOWING CONNECTIONS WHEN VEHICLE
 IS EQUIPPED WITH ELECTRIC WINDOWS

VIEW-A

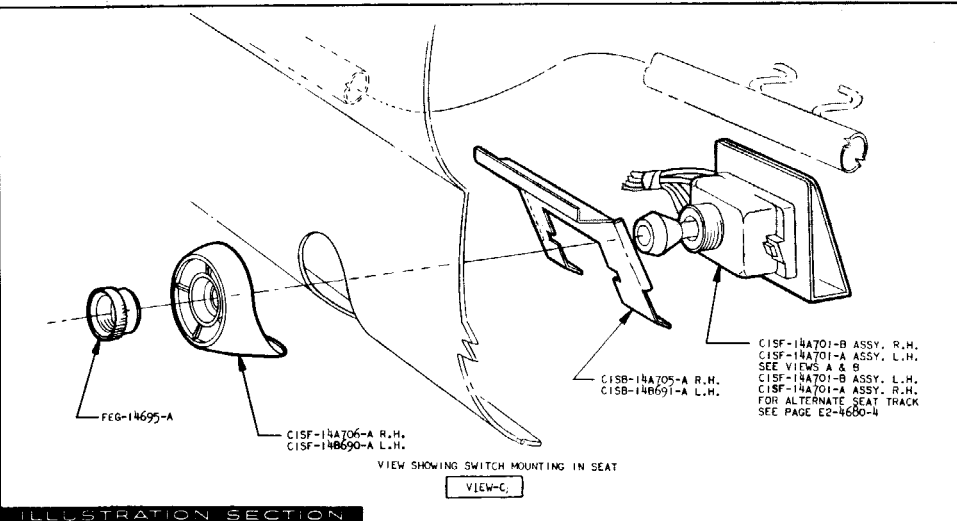
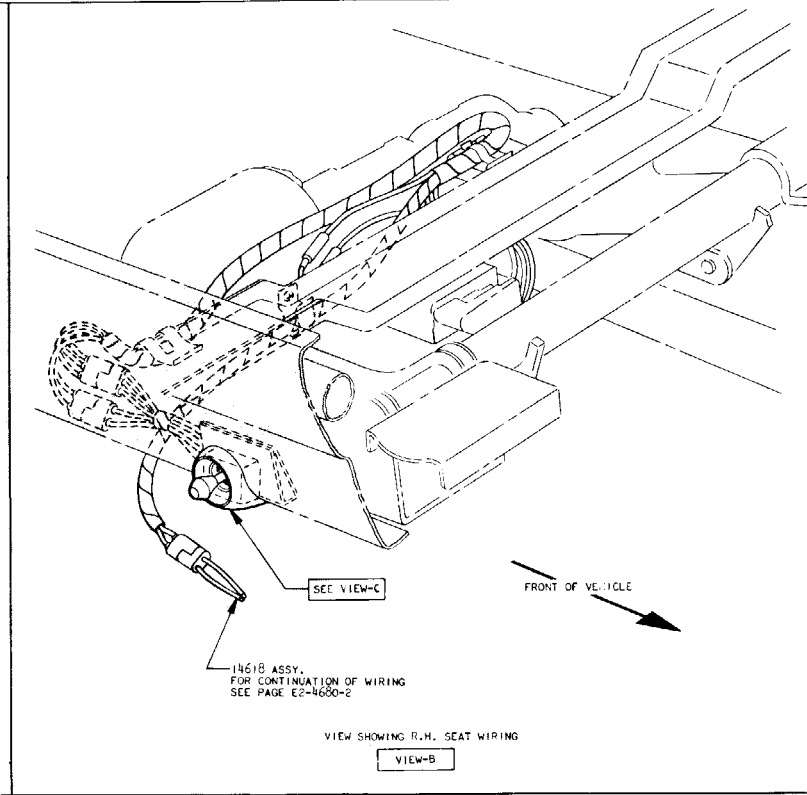
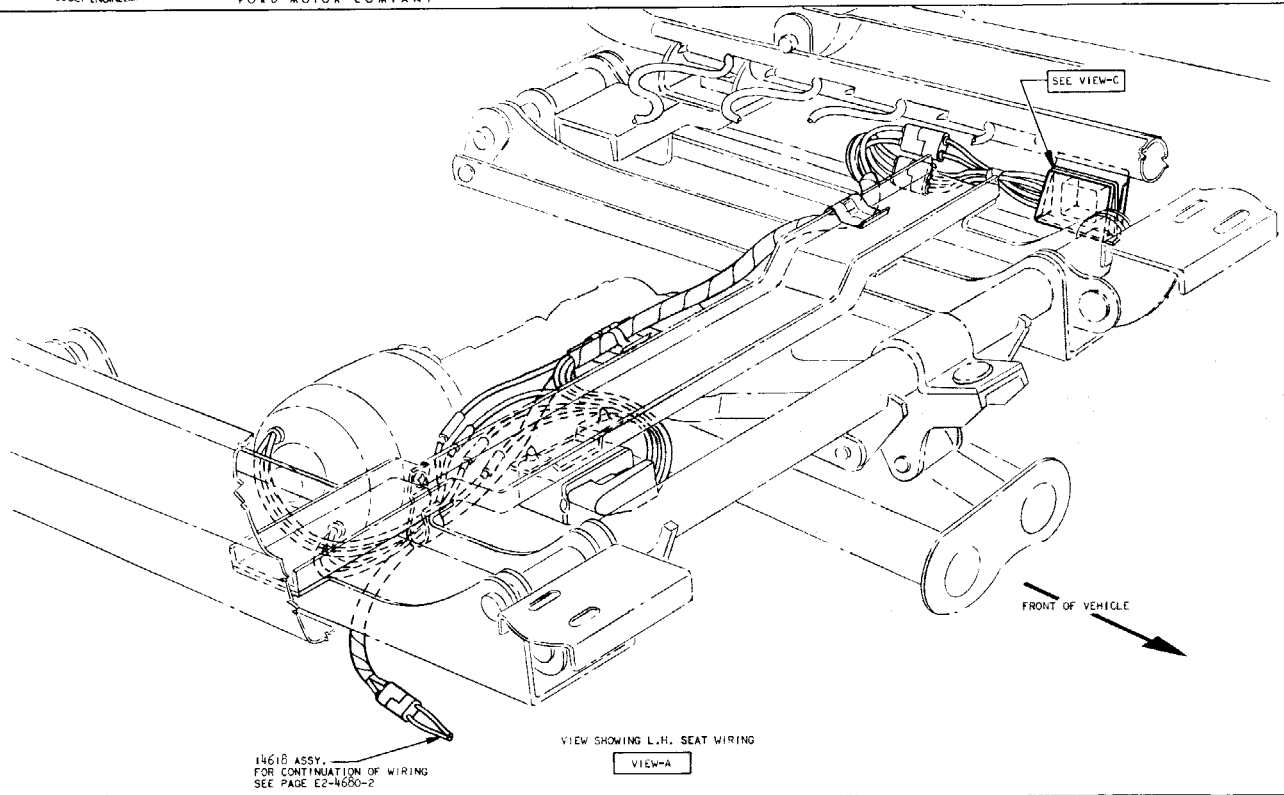
NOTE:
 * THESE PARTS ARE USED WHEN VEHICLE
 IS EQUIPPED WITH ELECTRIC SEAT
 ADJUSTOR REGULATOR (PASSENGER)

INSTALLATION - ELECTRIC SEAT ADJUSTOR REGULATOR
 MODELS - ALL
 (R.P.O. S-6047)

THUNDERBIRD PAGE E2-4680-2

ILLUSTRATION SECTION

DATE 4-5-62 SUPERSEDES 8-2-61
 EFFECTIVE WITH CSN1-130728
 ADDED FLOOR PAN WIRING SHIELD



INSTALLATION - ELECTRIC SEAT ADJUSTOR REGULATOR
 MODELS - ALL
 (R.P.O. S-6047)
 THUNDERBIRD PAGE E2-4680-3

ILLUSTRATION SECTION

DATE 7-26-61 SUPERSEDES 4-7-61
 EFFECTIVE WITH CSM-105596.
 CISF-14A701-A WAS CISB-14A701-A
 CISF-14A701-B WAS CISF-14A701-C

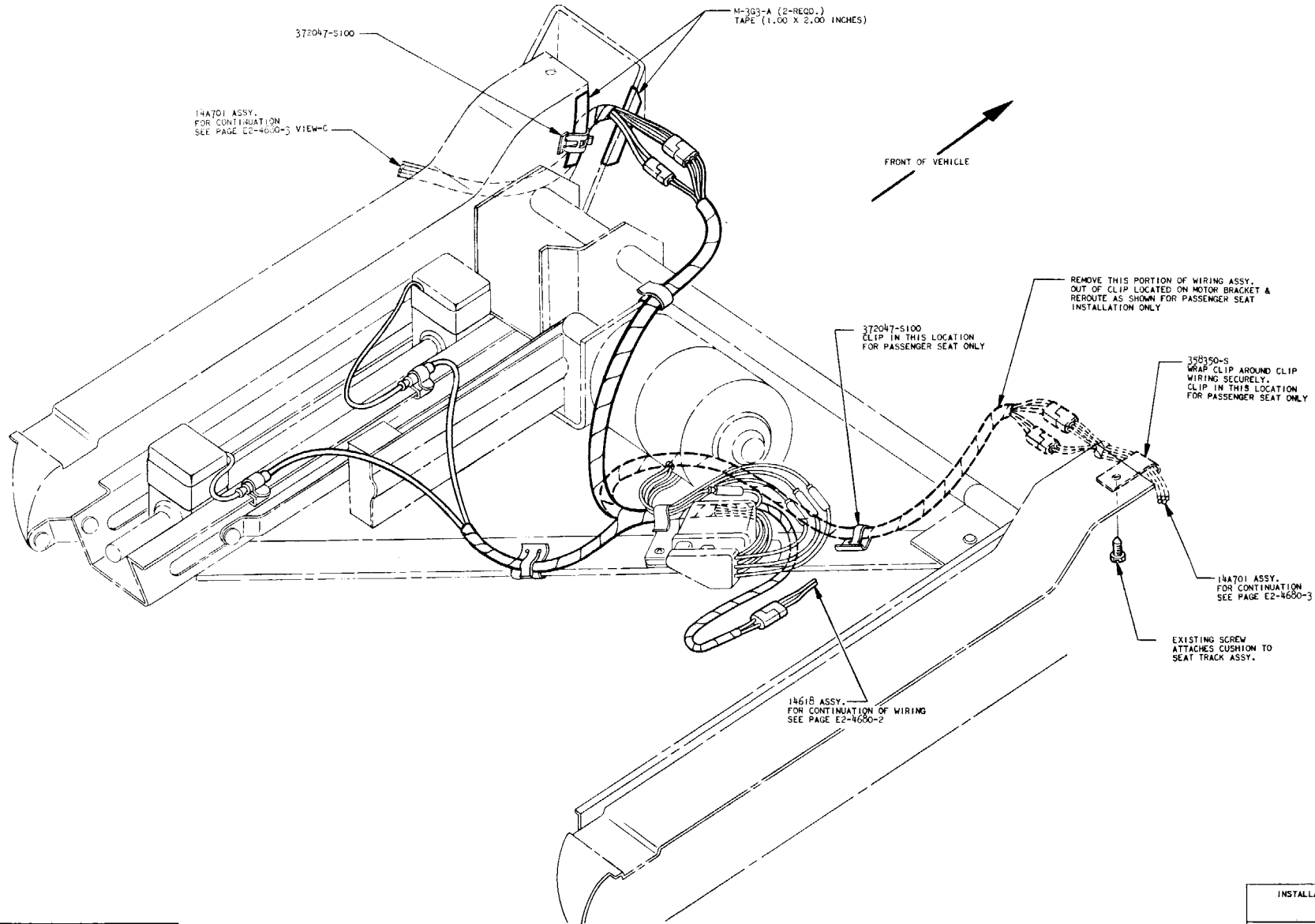
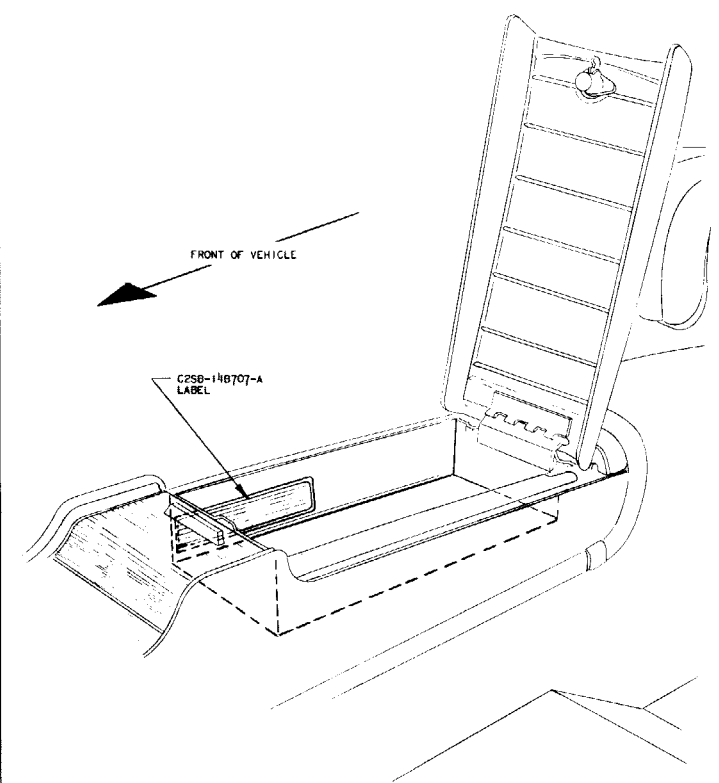
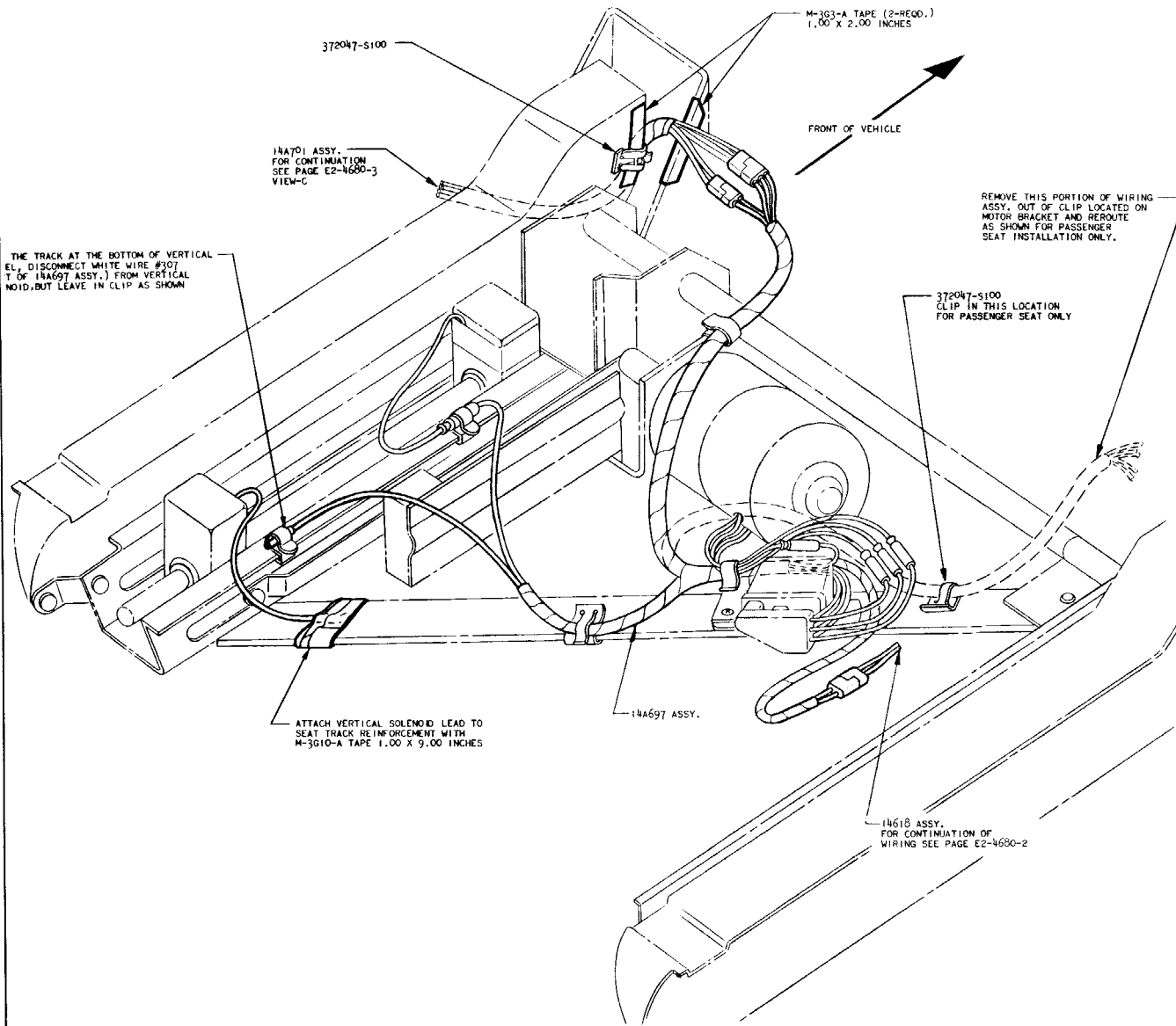


ILLUSTRATION SECTION

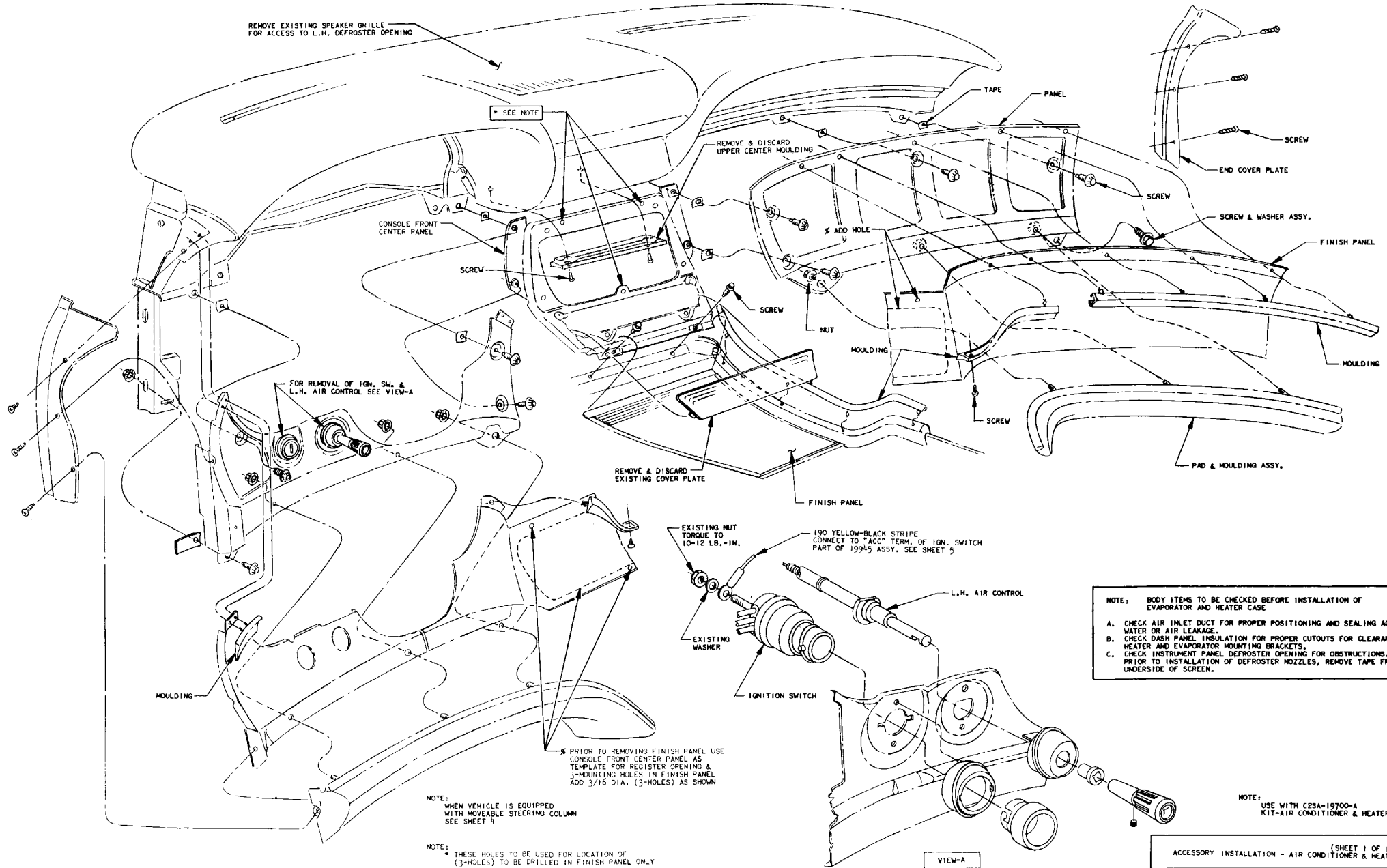
DATE 7-26-61 SUPERSEDES 5-18-61
EFFECTIVE WITH CSM-105596
REVISED DRAWING.



VIEW SHOWING INSTALLATION OF
SEAT REGULATOR OPERATING LABEL

ILLUSTRATION SECTION

DATE 2-21-62 SUPERSEDES 1-30-62
 EFFECTIVE WITH CSN1-129606
 ADDED VIEW SHOWING C25B-148707-A REQMTS.



NOTE: BODY ITEMS TO BE CHECKED BEFORE INSTALLATION OF EVAPORATOR AND HEATER CASE

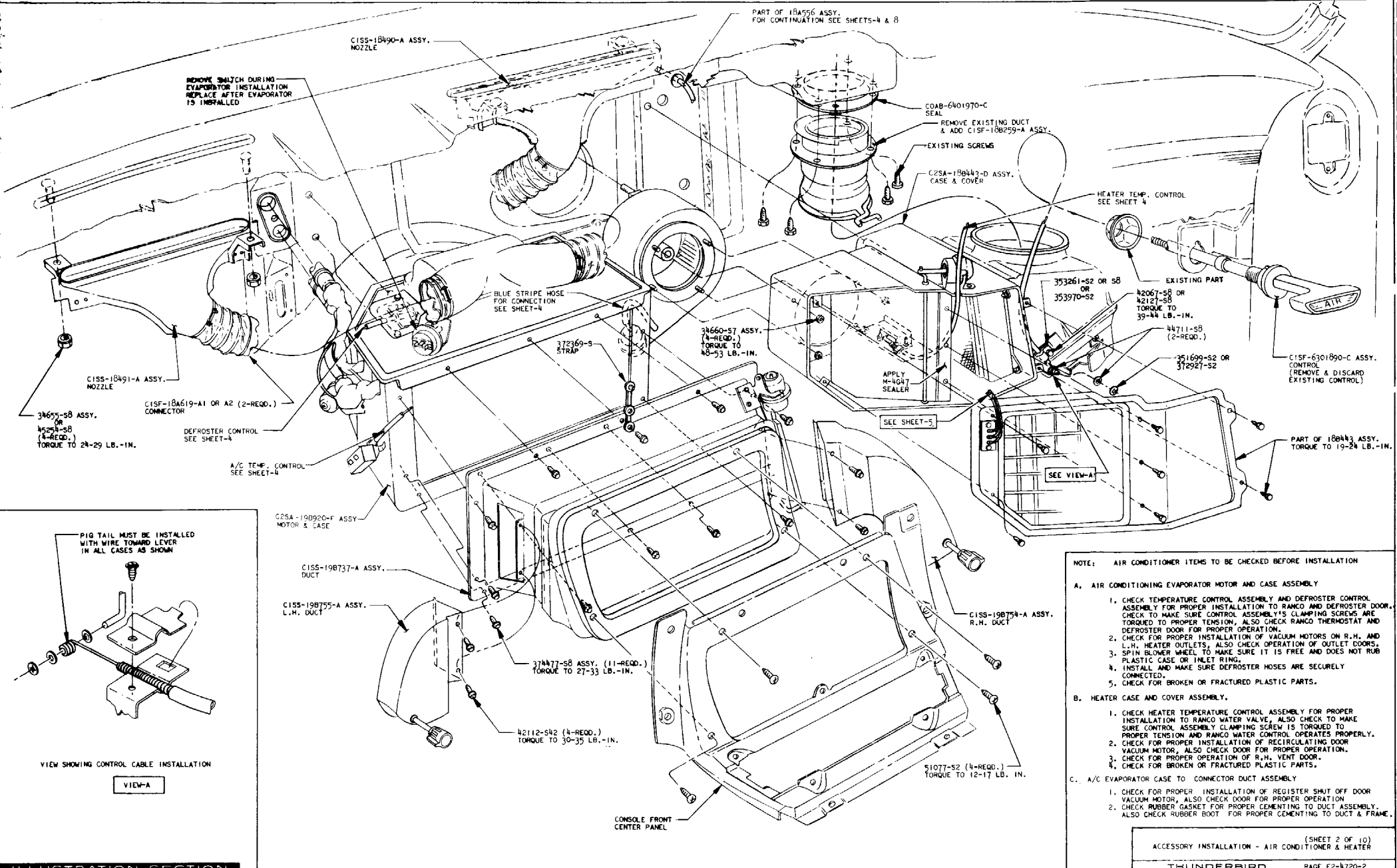
- CHECK AIR INLET DUCT FOR PROPER POSITIONING AND SEALING AGAINST WATER OR AIR LEAKAGE.
- CHECK DASH PANEL INSULATION FOR PROPER CUTOUTS FOR CLEARANCE TO HEATER AND EVAPORATOR MOUNTING BRACKETS.
- CHECK INSTRUMENT PANEL DEFROSTER OPENING FOR OBSTRUCTIONS. PRIOR TO INSTALLATION OF DEFROSTER NOZZLES, REMOVE TAPE FROM UNDERSIDE OF SCREEN.

NOTE: USE WITH C25A-19700-A KIT-AIR CONDITIONER & HEATER

ACCESSORY INSTALLATION - AIR CONDITIONER & HEATER (SHEET 1 OF 10)
THUNDERBIRD PAGE E2-4720-1

ILLUSTRATION SECTION

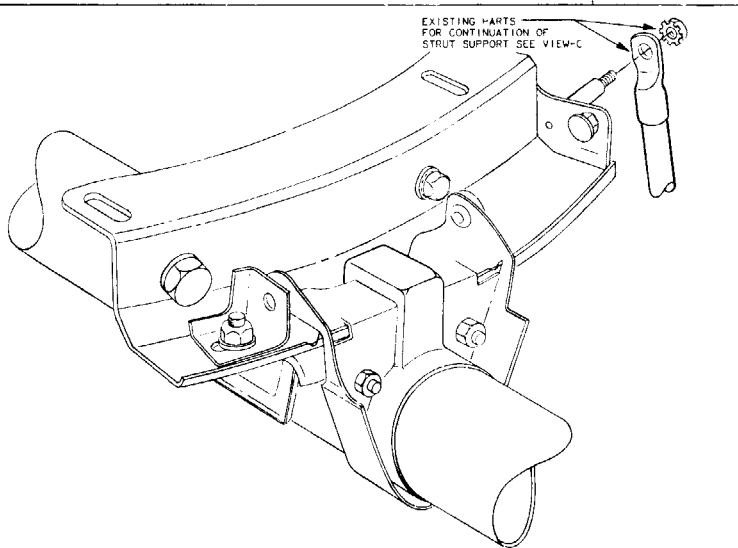
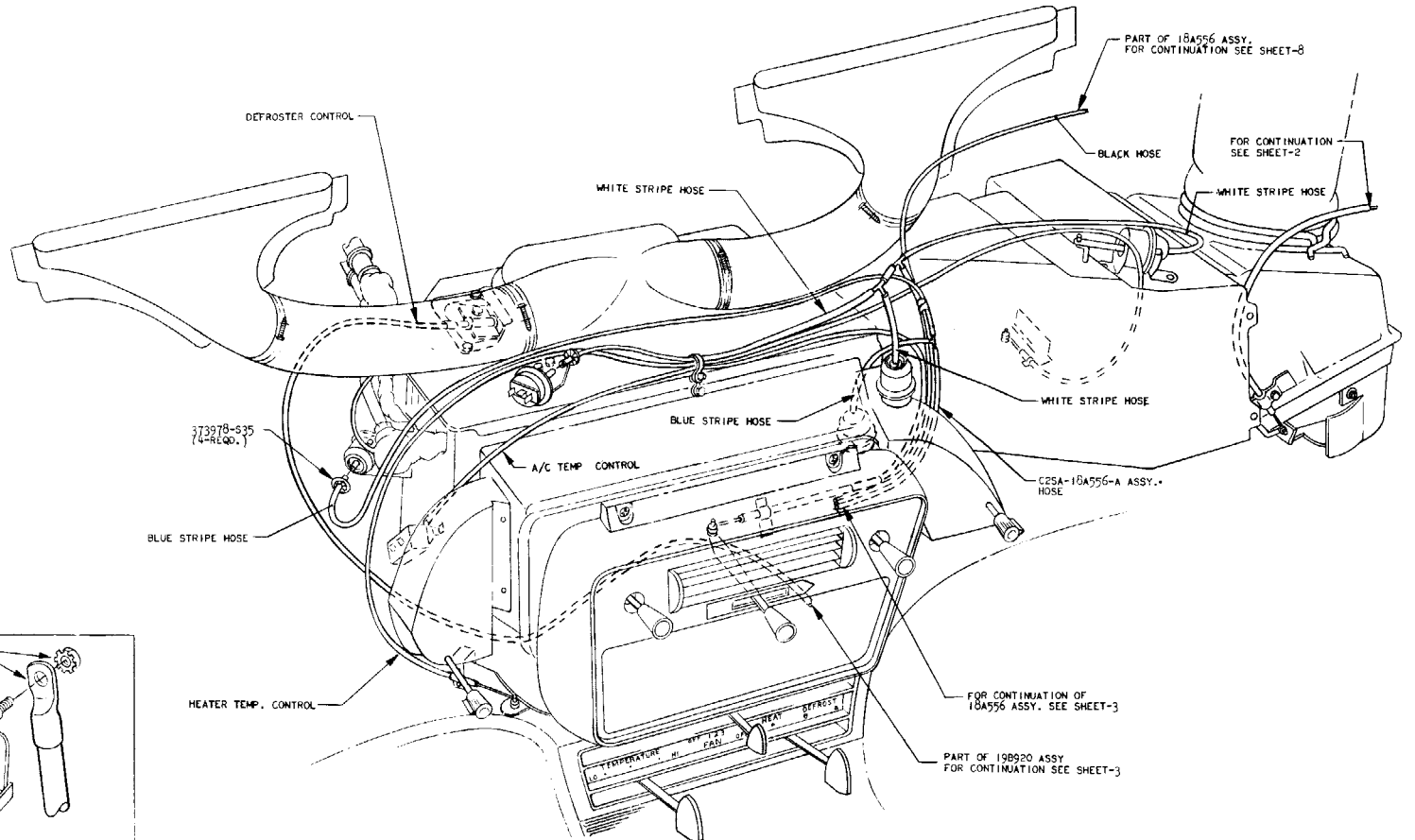
DATE 1-4-62 SUPERSEDES 8-15-61
 EFFECTIVE WITH CSN2-71669-1
 ADDED KIT NOTE.



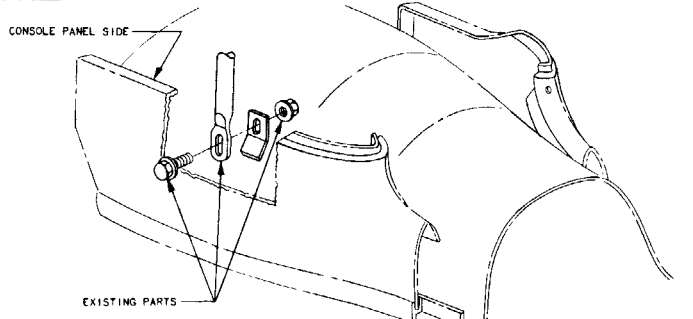
- NOTE: AIR CONDITIONER ITEMS TO BE CHECKED BEFORE INSTALLATION
- A. AIR CONDITIONING EVAPORATOR MOTOR AND CASE ASSEMBLY
- CHECK TEMPERATURE CONTROL ASSEMBLY AND DEFROSTER CONTROL ASSEMBLY FOR PROPER INSTALLATION TO RANCO AND DEFROSTER DOOR. CHECK TO MAKE SURE CONTROL ASSEMBLY'S CLAMPING SCREWS ARE TORQUED TO PROPER TENSION. ALSO CHECK RANCO THERMOSTAT AND DEFROSTER DOOR FOR PROPER OPERATION.
 - CHECK FOR PROPER INSTALLATION OF VACUUM MOTORS ON R.H. AND L.H. HEATER OUTLETS. ALSO CHECK OPERATION OF OUTLET DOORS.
 - SPIN BLOWER WHEEL TO MAKE SURE IT IS FREE AND DOES NOT RUB PLASTIC CASE OR INLET RING.
 - INSTALL AND MAKE SURE DEFROSTER HOSES ARE SECURELY CONNECTED.
 - CHECK FOR BROKEN OR FRACTURED PLASTIC PARTS.
- B. HEATER CASE AND COVER ASSEMBLY.
- CHECK HEATER TEMPERATURE CONTROL ASSEMBLY FOR PROPER INSTALLATION TO RANCO WATER VALVE. ALSO CHECK TO MAKE SURE CONTROL ASSEMBLY CLAMPING SCREW IS TORQUED TO PROPER TENSION AND RANCO WATER CONTROL OPERATES PROPERLY.
 - CHECK FOR PROPER INSTALLATION OF RECIRCULATING DOOR VACUUM MOTOR. ALSO CHECK DOOR FOR PROPER OPERATION.
 - CHECK FOR PROPER OPERATION OF R.H. VENT DOOR.
 - CHECK FOR BROKEN OR FRACTURED PLASTIC PARTS.
- C. A/C EVAPORATOR CASE TO CONNECTOR DUCT ASSEMBLY
- CHECK FOR PROPER INSTALLATION OF REGISTER SHUT OFF DOOR VACUUM MOTOR. ALSO CHECK DOOR FOR PROPER OPERATION
 - CHECK RUBBER GASKET FOR PROPER CEMENTING TO DUCT ASSEMBLY. ALSO CHECK RUBBER BOOT FOR PROPER CEMENTING TO DUCT & FRAME.

ILLUSTRATION SECTION

DATE 1-4-62 SUPERSEDES B-15-61
 EFFECTIVE WITH CSN2-71744-1, CSN1-71631-1
 C2SA-19892-F WAS B, C2SA-18843-D WAS B



VIEW SHOWING MOVEABLE STEERING COLUMN
 VIEW-B

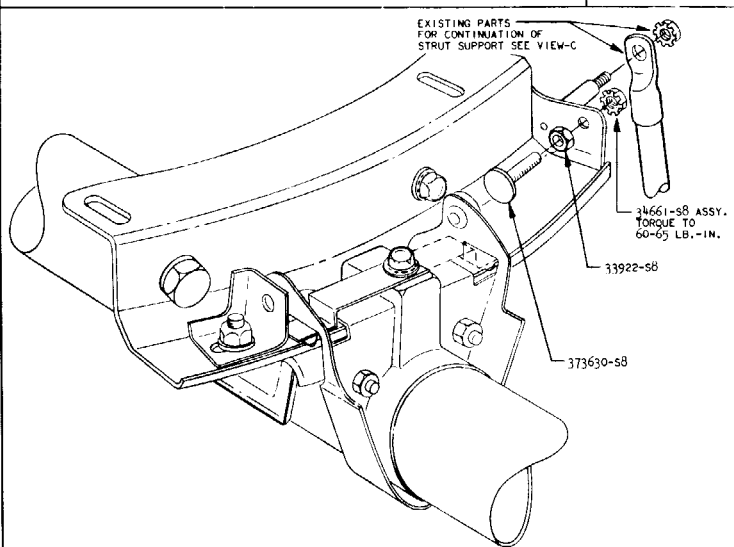
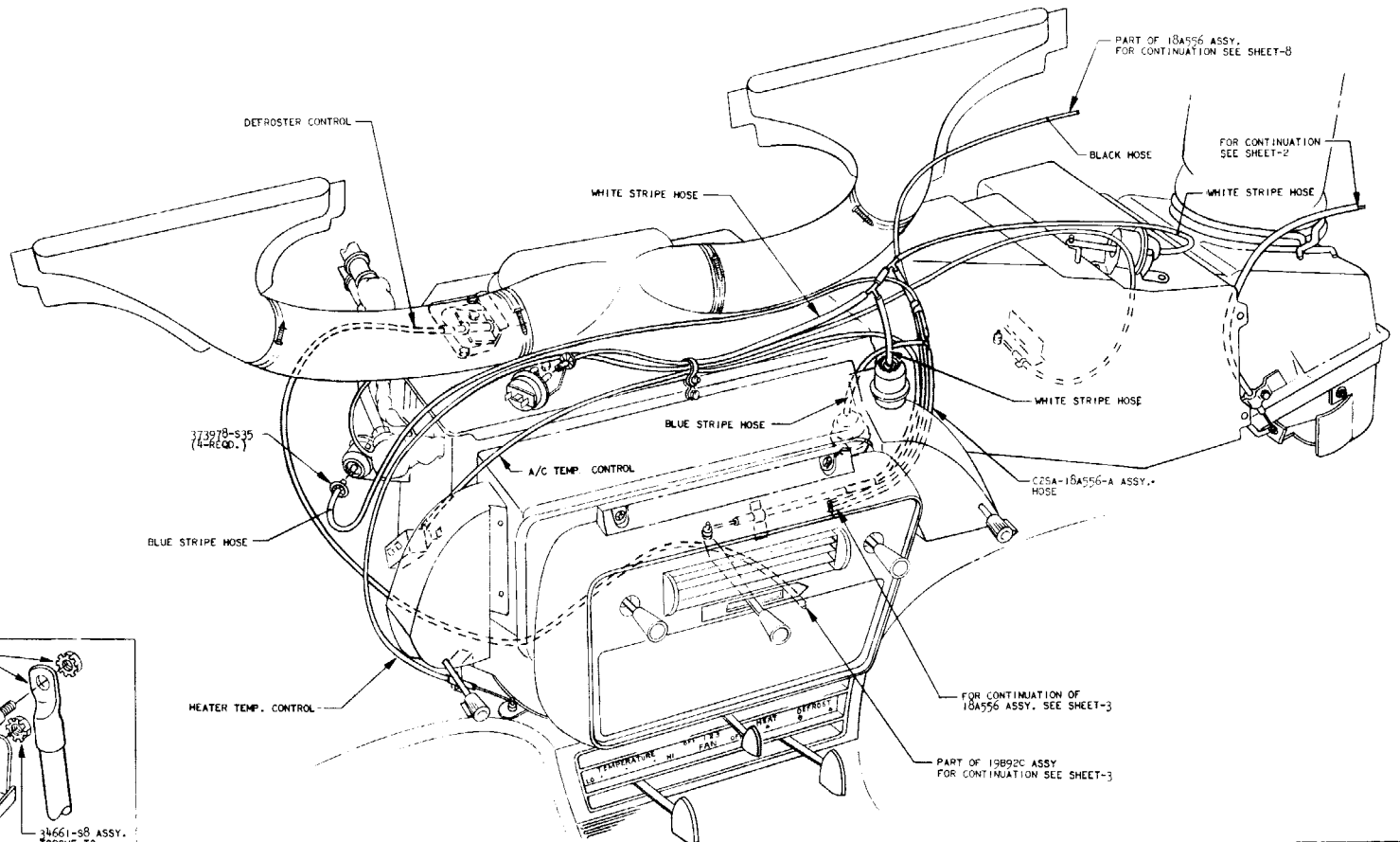


VIEW SHOWING MOVEABLE STEERING COLUMN STRUT SUPPORT
 VIEW-C

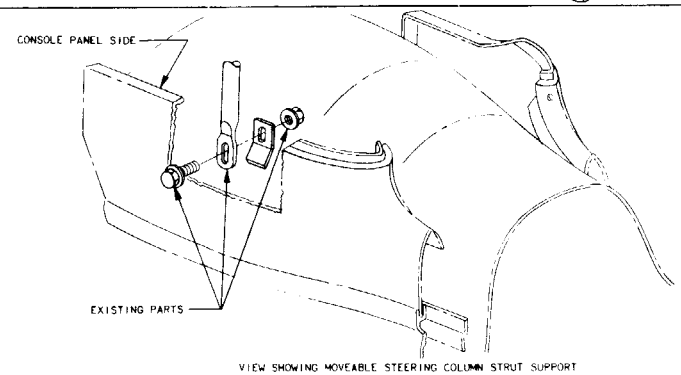
- NOTE:** THE FOLLOWING ITEMS SHOULD BE CHECKED AFTER THE A/C AND HEATER ASSEMBLY HAS BEEN INSTALLED IN VEHICLE - BUT PRIOR TO INSTALLATION OF TRIM PANELS.
- CHECK FOR PROPER TIGHTENING OF ALL MOUNTING NUTS AND SCREWS.
 - CHECK FOR PROPER INSTALLATION OF NIPPLES, WATER HOSES, BRACKETS, CLIPS AND MAKE VISUAL INSPECTION FOR WATER LEAKS.
 - CHECK FOR PROPER INSTALLATION OF VACUUM CHECK VALVE AND VACUUM HOSE TO COMPONENT PARTS.
 - CHECK DEFROSTER HOSES FOR SECURE CONNECTION.
 - CHECK FOR FREE OPERATION AND PROPER ADJUSTMENT OF CONTROL CABLES AND CLAMPS.
 - CHECK INLET DUCT FOR PROPER ATTACHMENT TO HEATER INLET MAKING SURE OF POSITIVE SEAL.
 - CHECK WIRING HARNESS FOR PROPER INSTALLATION.
 - CHECK BLOWER MOTOR FOR THREE SPEED OPERATION.
 - CHECK OPERATION OF HEATER CONTROL LEVER TO MAKE SURE VACUUM OPERATED DOORS ARE FUNCTIONING PROPERLY.

CONTROL POSITION	POSITION OF DOORS
1. OFF	R.H. & L.H. HEATER OUTLET DOORS CLOSED, RECIRCULATING & REGISTER DOORS OPEN.
2. HEAT	R.H. & L.H. HEATER OUTLET DOORS OPEN, RECIRCULATING & REGISTER DOORS CLOSED.
3. MAX. DEFROST	R.H. & L.H. HEATER OUTLET DOORS CLOSED, RECIRCULATING & REGISTER DOORS CLOSED.

ILLUSTRATION SECTION



VIEW SHOWING MOVEABLE STEERING COLUMN
 VIEW-B



VIEW SHOWING MOVEABLE STEERING COLUMN STRUT SUPPORT
 VIEW-C

NOTE: THE FOLLOWING ITEMS SHOULD BE CHECKED AFTER THE A/C AND HEATER ASSEMBLY HAS BEEN INSTALLED IN VEHICLE - BUT PRIOR TO INSTALLATION OF TRIM PANELS

- A. CHECK FOR PROPER TIGHTENING OF ALL MOUNTING NUTS AND SCREWS.
- B. CHECK FOR PROPER INSTALLATION OF NIPPLES, WATER HOSES, BRACKETS, CLIPS AND MAKE VISUAL INSPECTION FOR WATER LEAKS.
- C. CHECK FOR PROPER INSTALLATION OF VACUUM CHECK VALVE AND VACUUM HOSE TO COMPONENT PARTS.
- D. CHECK DEFROSTER HOSES FOR SECURE CONNECTION.
- E. CHECK FOR FREE OPERATION AND PROPER ADJUSTMENT OF CONTROL CABLES AND CLAMPS.
- F. CHECK INLET DUCT FOR PROPER ATTACHMENT TO HEATER INLET MAKING SURE OF POSITIVE SEAL.
- G. CHECK WIRING HARNESS FOR PROPER INSTALLATION.
- H. CHECK BLOWER MOTOR FOR THREE SPEED OPERATION.
- I. CHECK OPERATION OF HEATER CONTROL LEVER TO MAKE SURE VACUUM OPERATED DOORS ARE FUNCTIONING PROPERLY.

CONTROL POSITION	POSITION OF DOORS
1. OFF	R.H. & L.H. HEATER OUTLET DOORS CLOSED. RECIRCULATING & REGISTER DOORS OPEN.
2. HEAT	R.H. & L.H. HEATER OUTLET DOORS OPEN. RECIRCULATING & REGISTER DOORS CLOSED.
3. MAX. DEFROST	R.H. & L.H. HEATER OUTLET DOORS CLOSED. RECIRCULATING & REGISTER DOORS CLOSED.

(SHEET 4 OF 10)
 ACCESSORY INSTALLATION - AIR CONDITIONER & HEATER
 LINCOLN MERCURY
 PAGE E2-4720-4

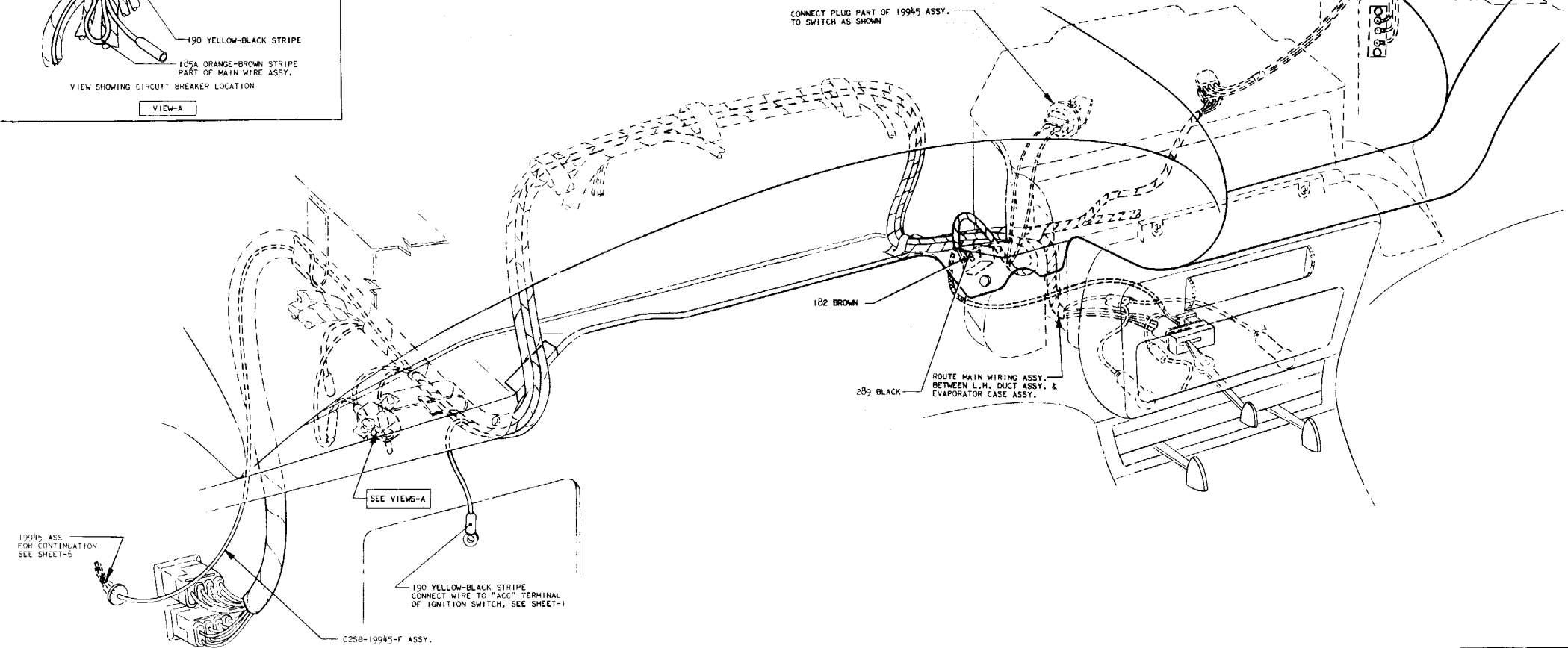
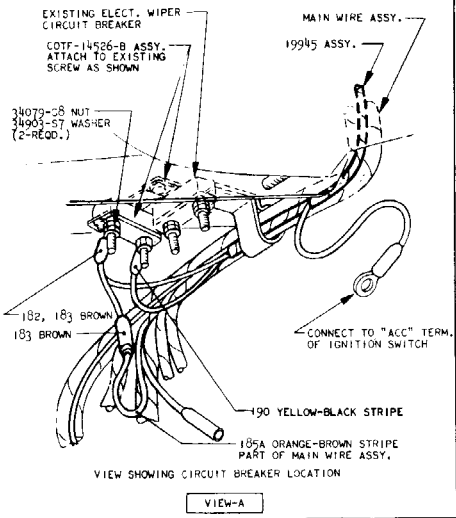


ILLUSTRATION SECTION

DATE: 1-4-62 SUPERSEDES: 9-15-61
 EFFECTIVE WITH CSN2-71660-1
 C25A-19945-F WAS C

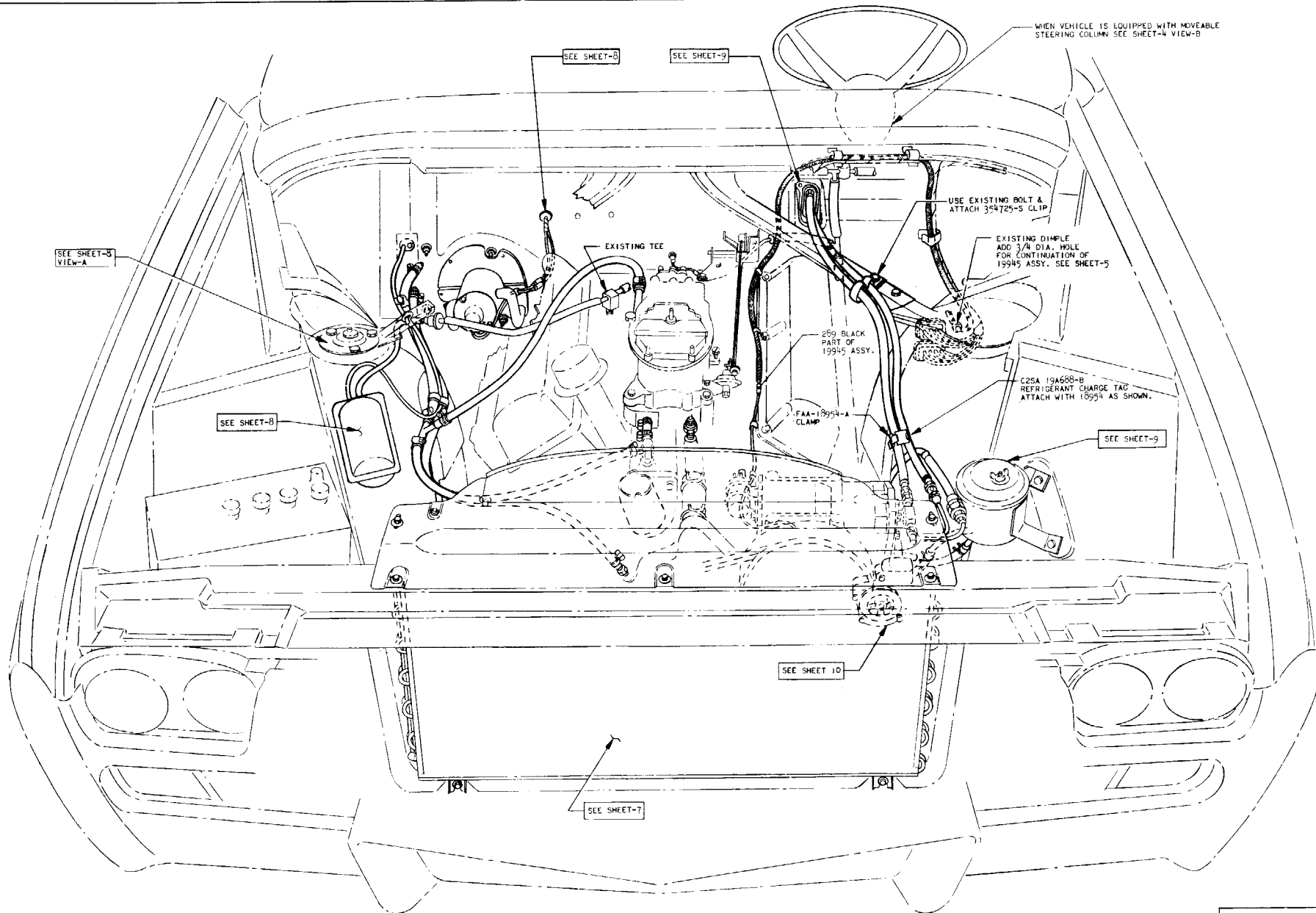


ILLUSTRATION SECTION

DATE 1-14-62 SUPERSEDES 8-15-61
EFFECTIVE WITH CSN2-71728-1
REVISED DRAWING

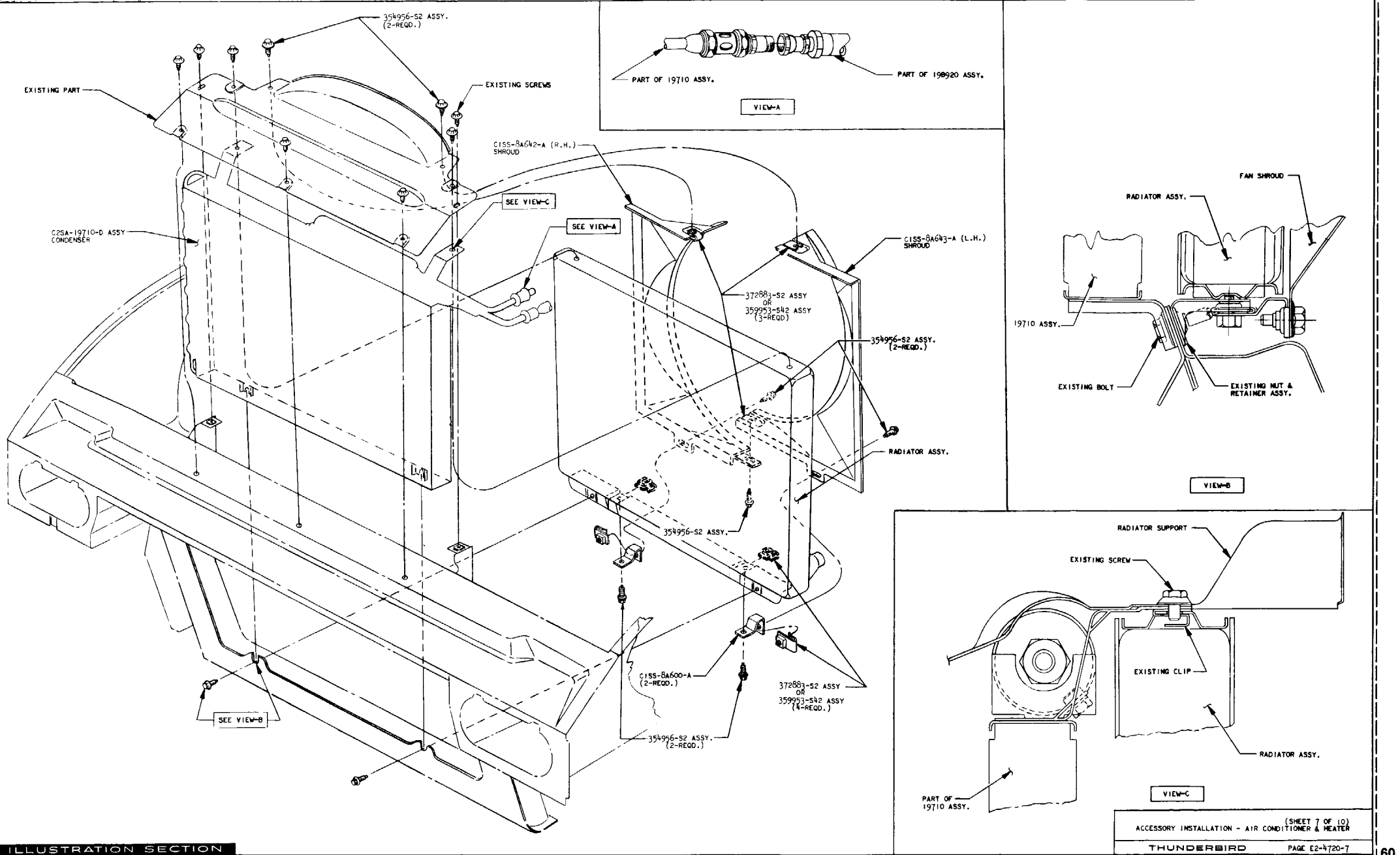


ILLUSTRATION SECTION

DATE 1-4-62 SUPERSEDES 9-15-61
 EFFECTIVE WITH CSN2-11672-1
 C2SA-19710-D WAS B

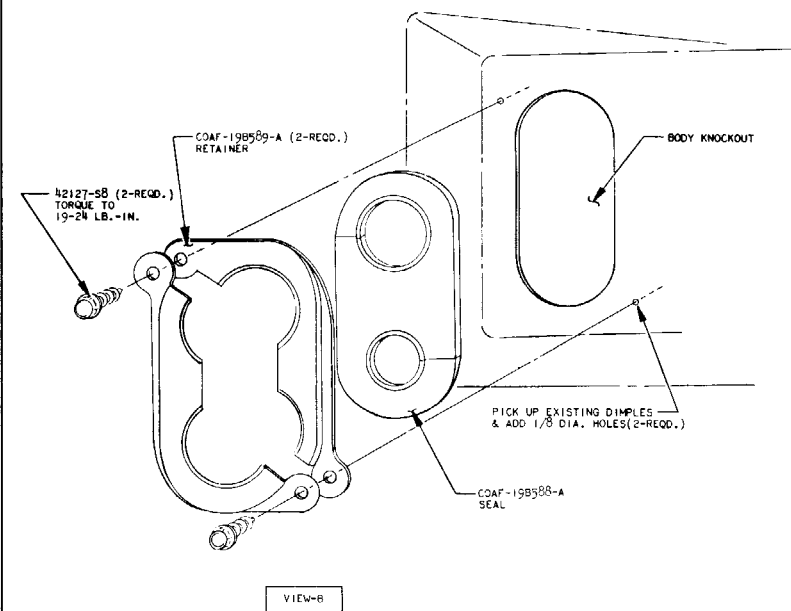
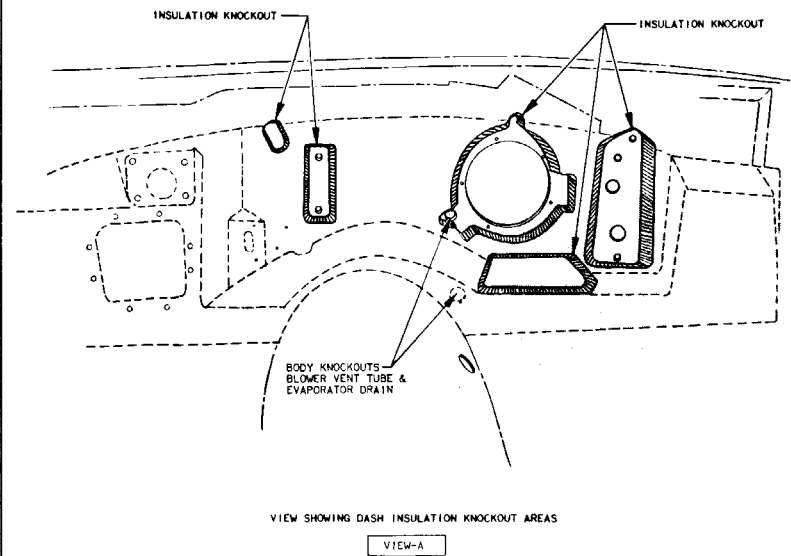
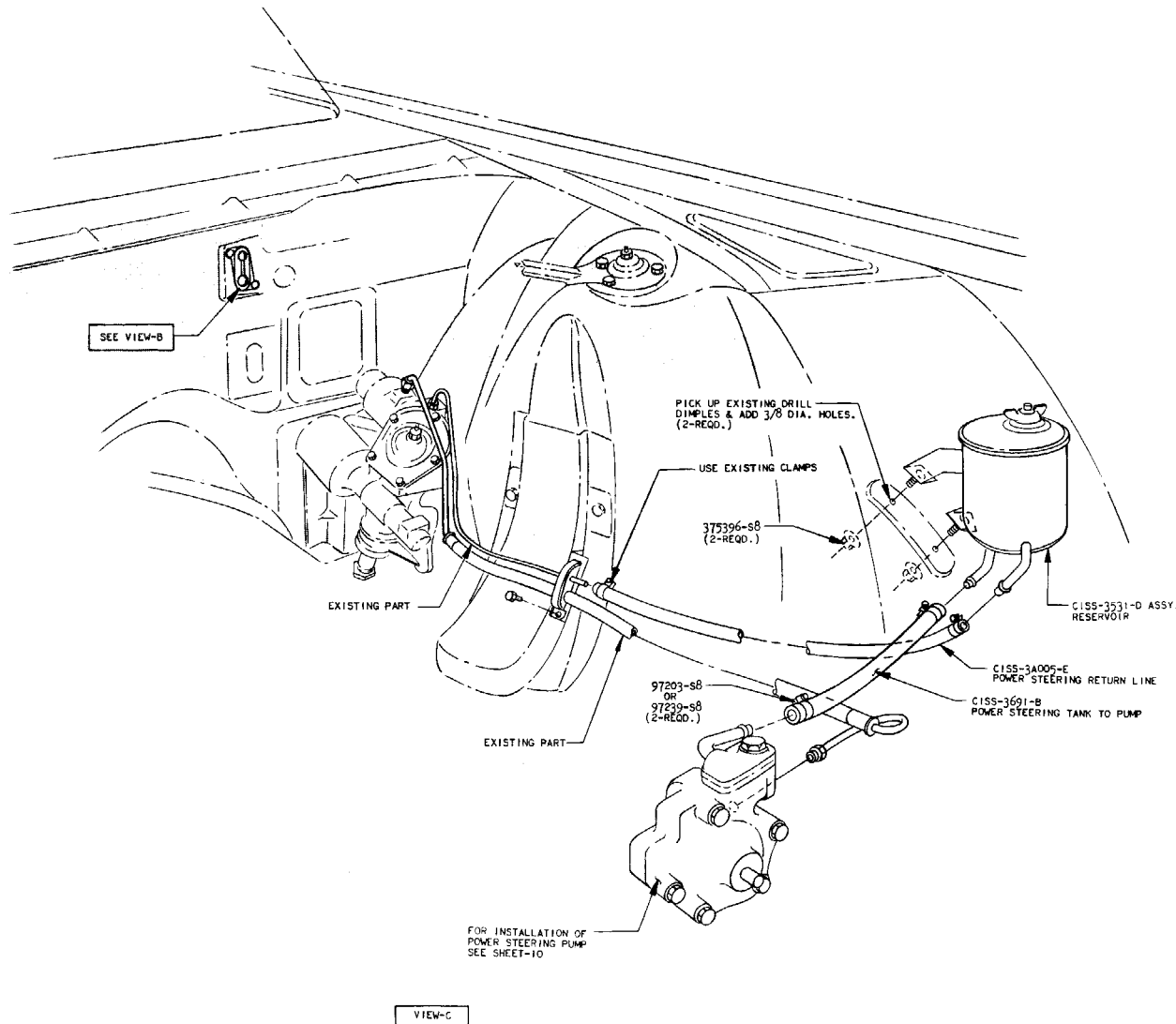
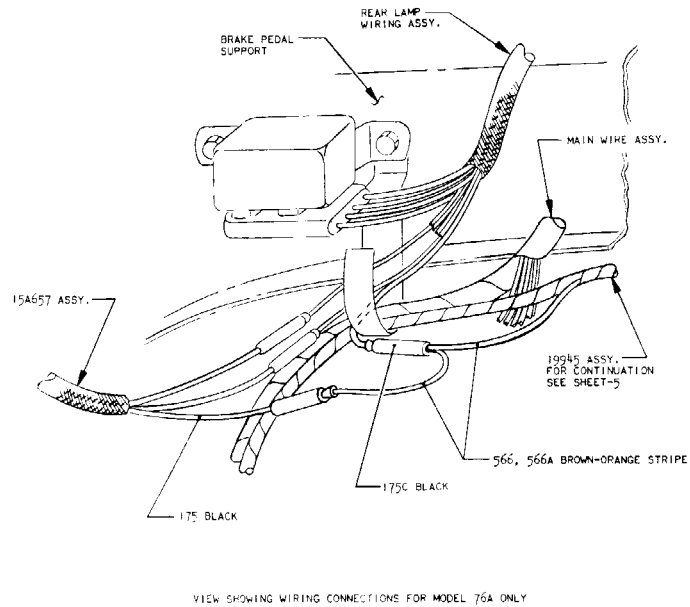


ILLUSTRATION SECTION

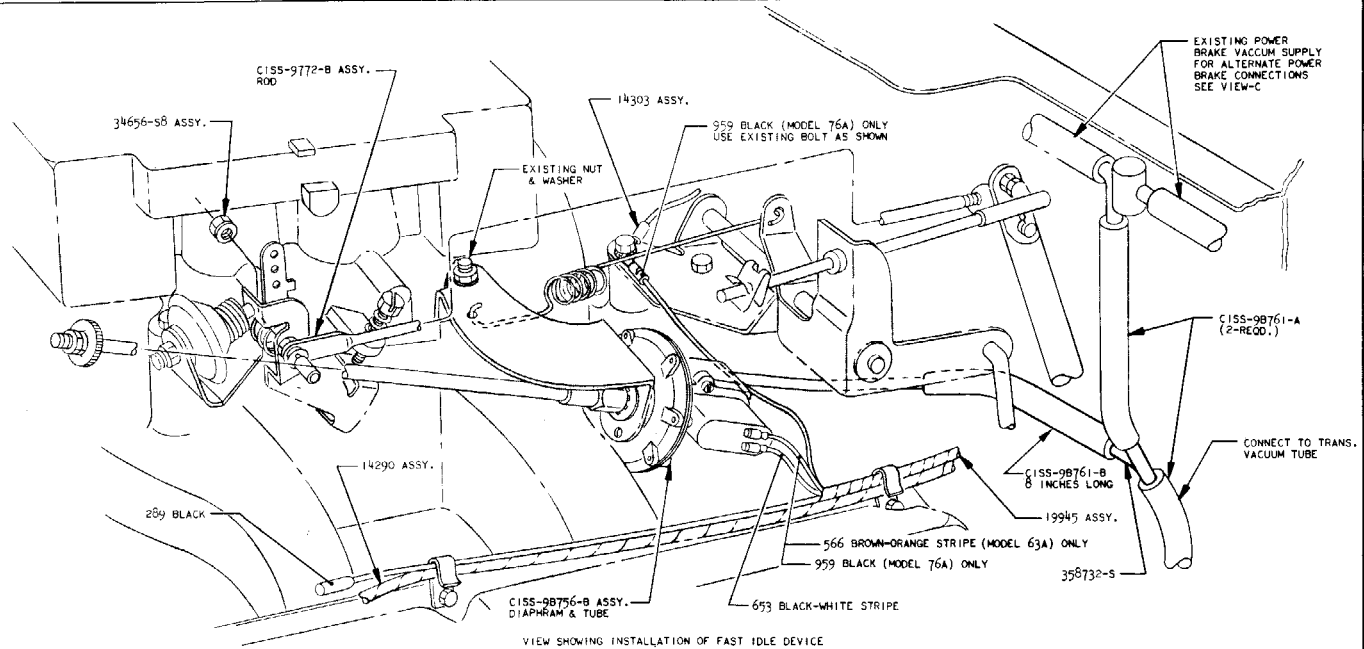


DATE 8-4-62 SUPERSEDES 1-4-62
 EFFECTIVE WITH CS102C-96002
 REVISED C1SS-34719-E REQMTS.

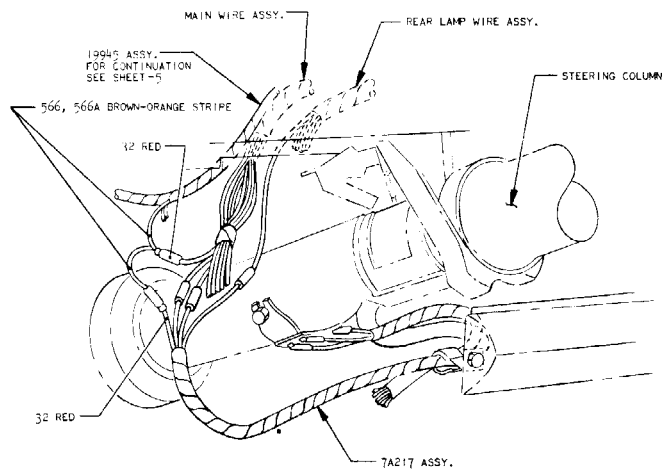


VIEW SHOWING WIRING CONNECTIONS FOR MODEL 76A ONLY

VIEW-A

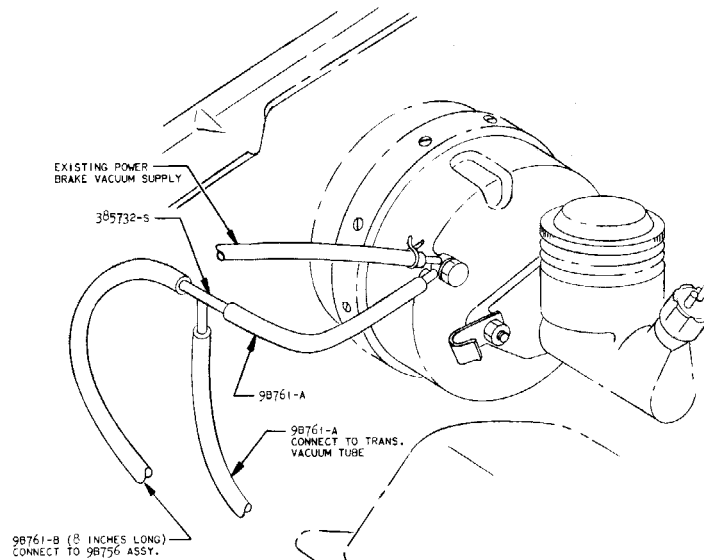


VIEW SHOWING INSTALLATION OF FAST IDLE DEVICE



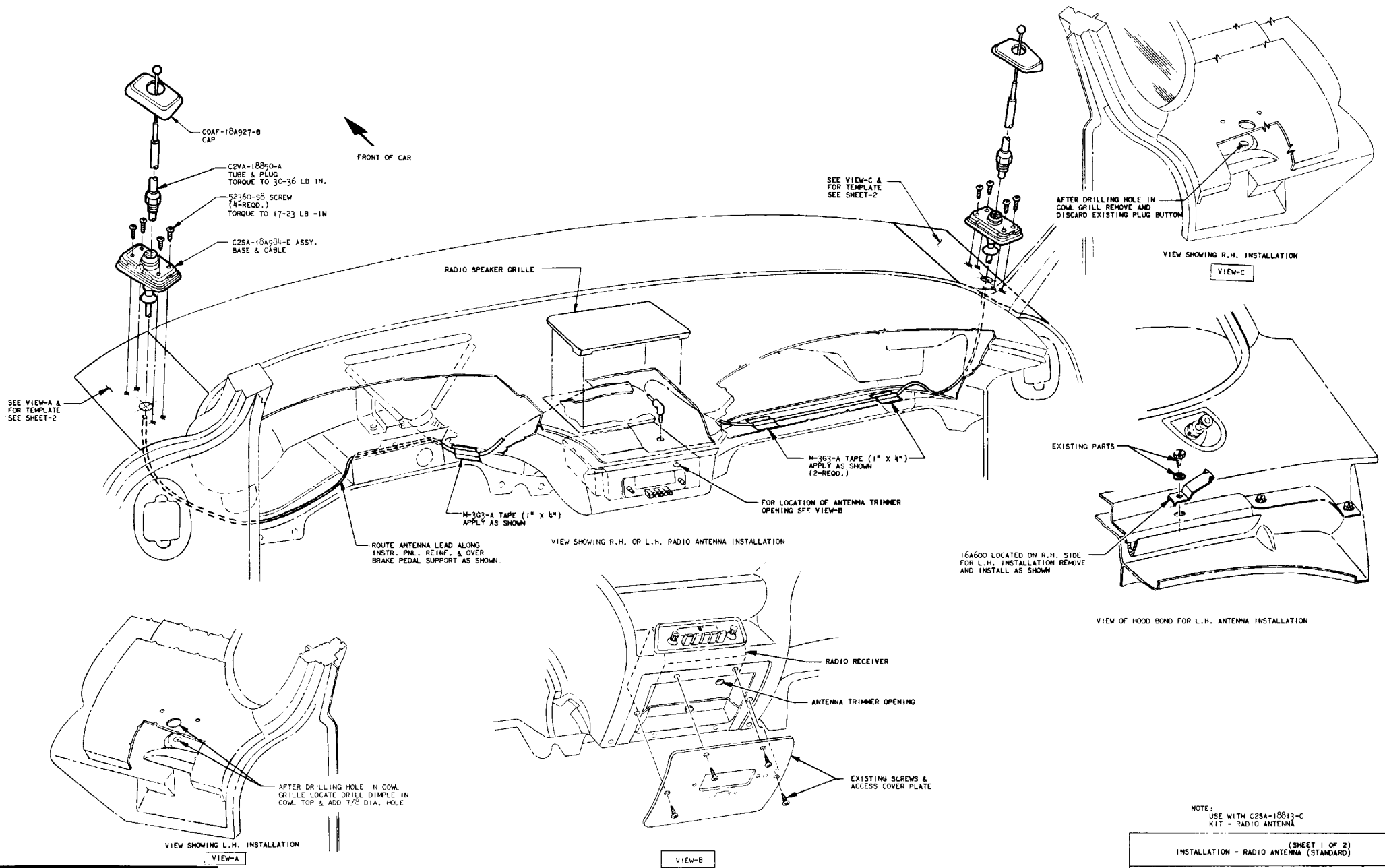
VIEW SHOWING WIRING CONNECTIONS FOR MODEL 63A ONLY

VIEW-B



VIEW SHOWING INSTALLATION OF CONNECTORS TO ALTERNATE POWER BRAKE SUPPLY

VIEW-C



DATE 4-27-62 SUPERSEDES 1-12-62
 EFFECTIVE WITH CSN20-36205
 C2SA-18A934-E WAS C

NOTE:
 USE WITH C2SA-18813-C
 KIT - RADIO ANTENNA

(SHEET 1 OF 2)
 INSTALLATION - RADIO ANTENNA (STANDARD)

THUNDERBIRD PAGE E2-4740-1

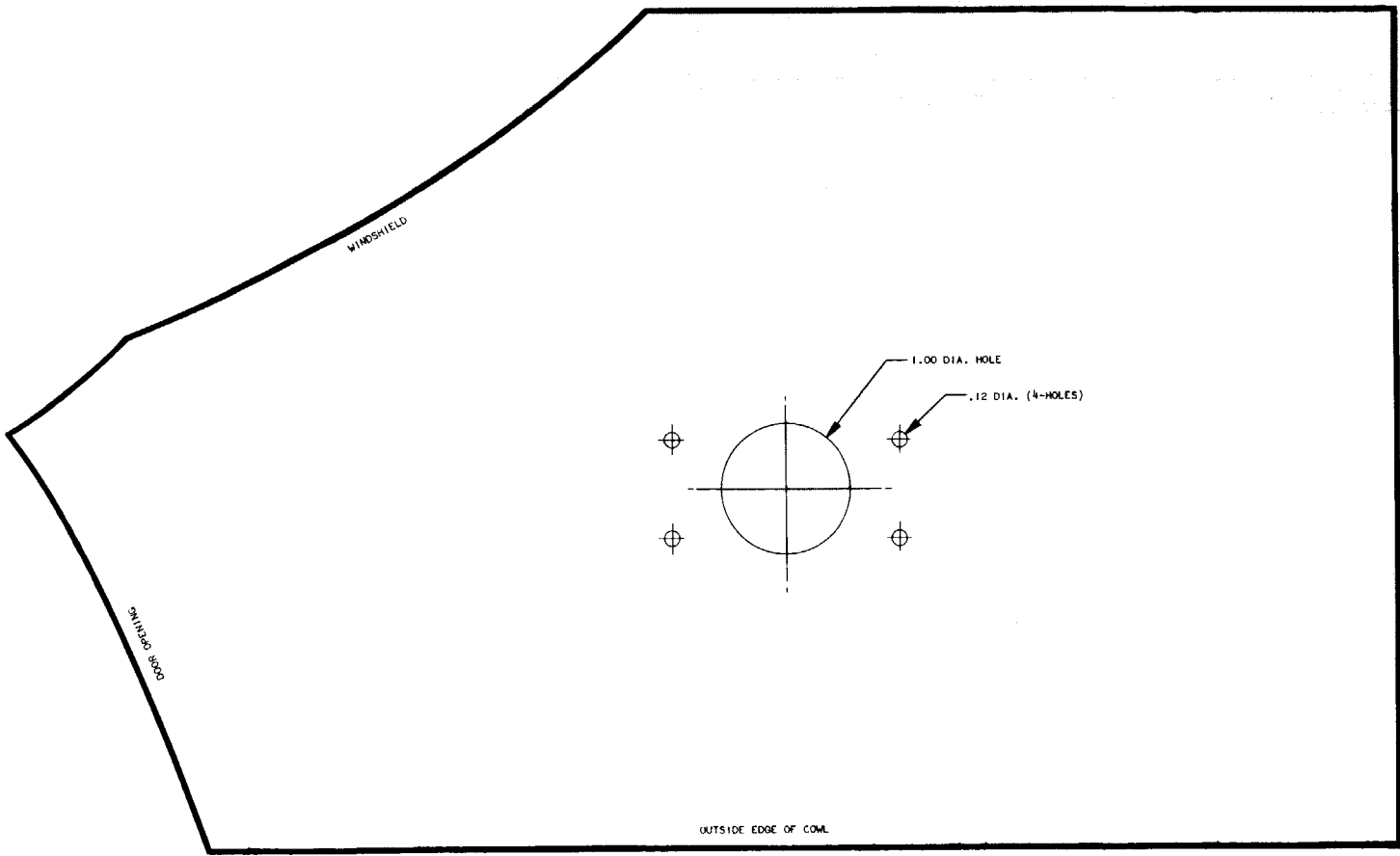
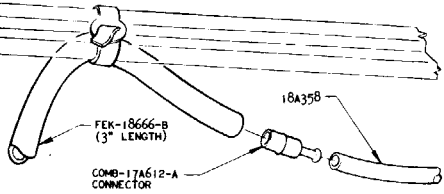
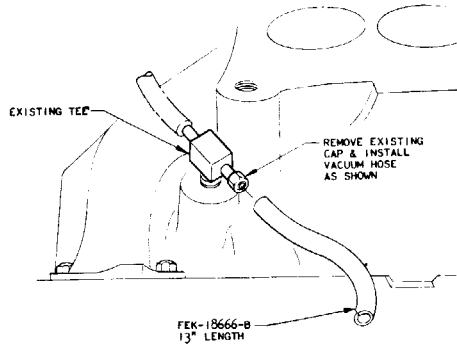


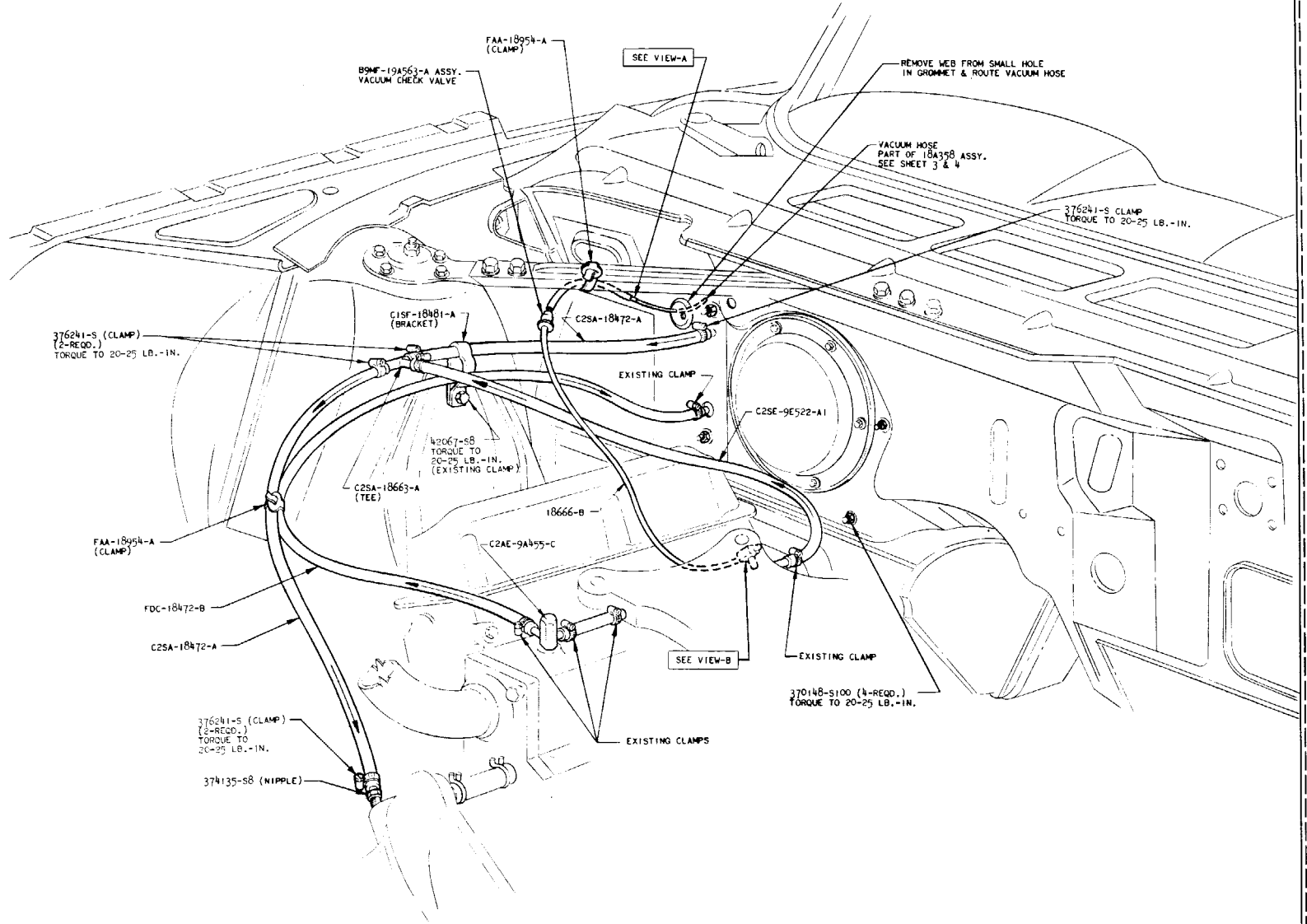
ILLUSTRATION SECTION

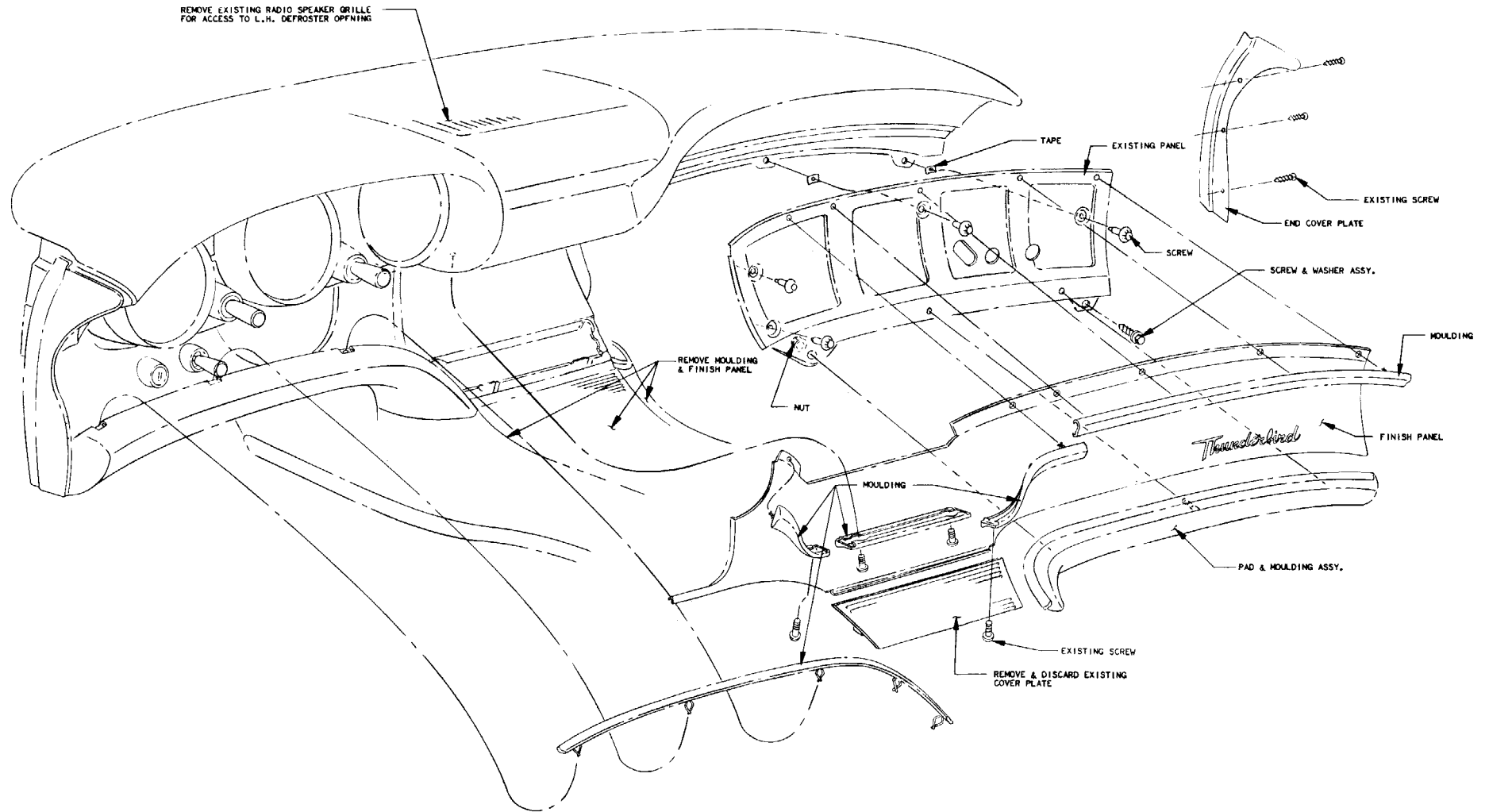


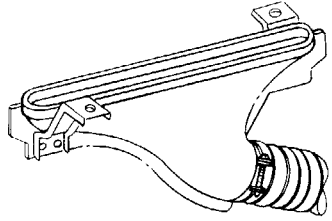
VIEW SHOWING CONNECTOR INSTALLATION
VIEW-A



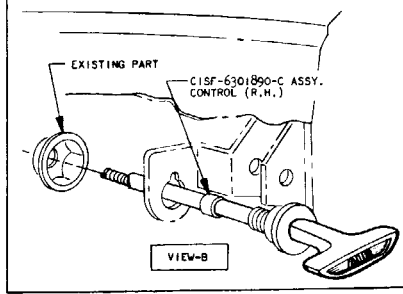
VIEW SHOWING INSTALLATION
 OF VACUUM HOSE ON EXISTING TEE
VIEW-B







VIEW SHOWING ALTERNATE CONNECTOR
VIEW-A



EXISTING PART
CISF-6301890-C ASSY.
CONTROL (R.H.)
VIEW-B

CISS-18490-A ASSY.
NOZZLE R.H.

CISF-18A619-A1 OR A2
CONNECTOR (P.H.)
SEE VIEW-A

CISS-18491-A ASSY.
NOZZLE L.H.

CISF-18A620-A1 OR A2
CONNECTOR (L.H.)
SEE VIEW-A

34675-50 ASSY. OR
34255-50
(4-REQD.)
(TORQUE TO 24-29 LB.-IN.)

COAB-6401970-A
SEAL

CISF-188259-A ASSY.
DUCT

EXISTING PARTS

FOR INSTALLATION & ROUTING OF
CABLE SEE VIEW-B & SHEET 5

44711-58
(2-REQD.)

353261-52 OR 58
353970-52 OR 58
(2-REQD.)

42120-58 OR
42127-58
(2-REQD.)
(TORQUE TO
39-44 LB.-IN.)

44711-58
(2-REQD.)

351690-52 OR
37297-52
(2-REQD.)

CISS-18478-B ASSY.
HEATER

184358
SEE SHEET 4

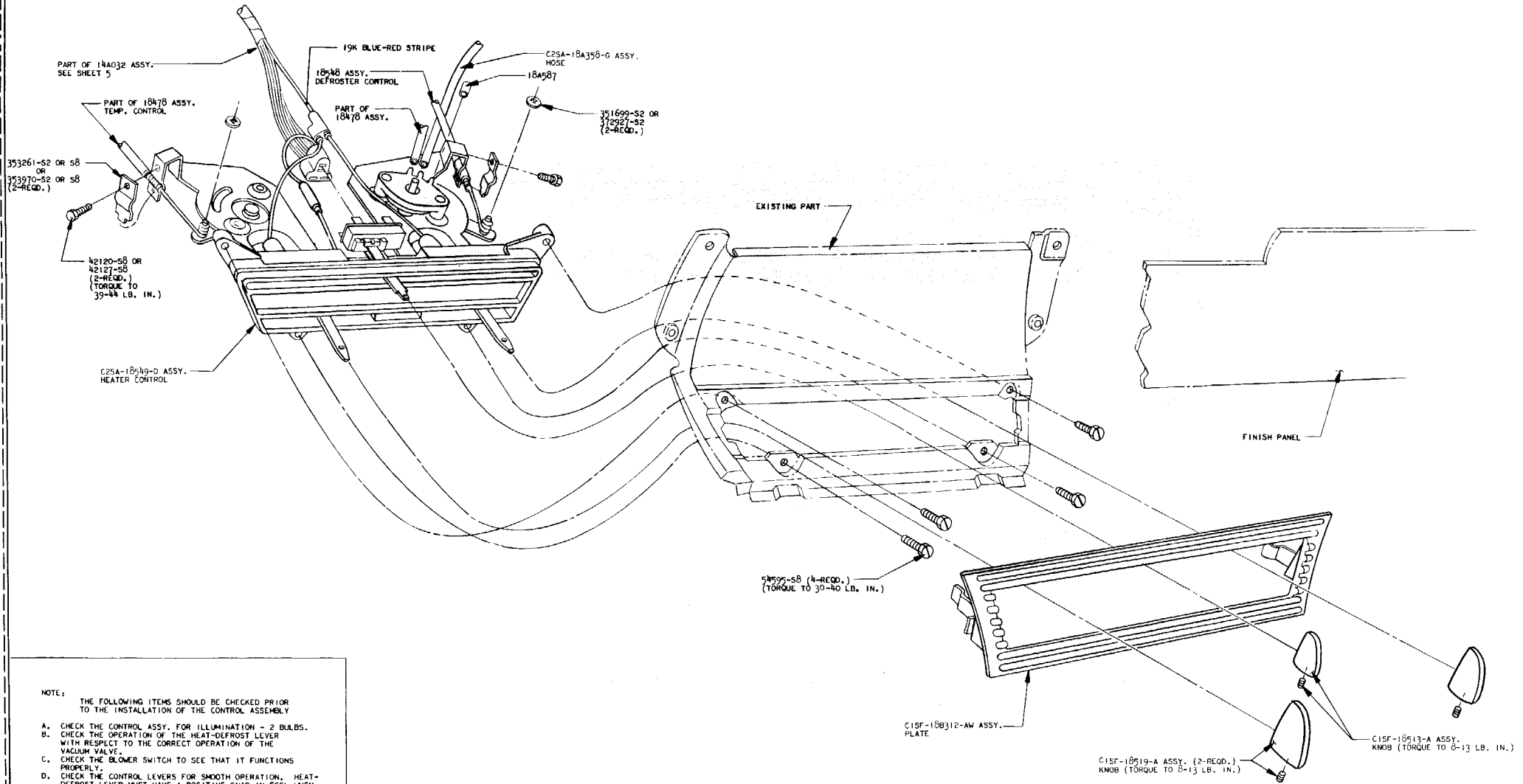
18548 ASSY.
TO DEFROSTER CONTROL
SEE SHEET 4

PART OF 18478 ASSY.
SEE SHEET 4

PART OF 18478 ASSY.
TO TEMPERATURE CONTROL
SEE SHEET 4

PART OF 14A032 ASSY.
SEE SHEET 5

- I. HEATER ITEMS TO BE CHECKED BEFORE INSTALLATION**
- CHECK INSTALLATION OF VACUUM HOSE TO VACUUM MOTOR.
 - CHECK, ALL HEATER INLETS, OUTLETS AND DAMPER DOORS TO BE FREE OF OBSTRUCTIONS.
 - CHECK FOR BROKEN OR FRACTURED PLASTIC PARTS.
 - CHECK VISUALLY FOR AIR LEAKS AT VENTILATION OUTLET GRILLE SEAL AND HEATER SHEET METAL COVER SEAL.
 - CHECK FOR PROPER TIGHTENING AND INSTALLATION OF ALL SCREWS AND NUTS ON HEATER ASSEMBLY AND DEFROSTER NOZZLE ASSEMBLY.
 - CHECK OPERATION AND PROPER GROUNDING OF BLOWER MOTOR.
- II. BODY ITEMS TO BE CHECKED BEFORE INSTALLATION OF HEATER**
- CHECK AIR INLET DUCT FOR PROPER POSITIONING AND SEALING AGAINST WATER OR AIR LEAKAGE.
 - CHECK DASH PANEL INSULATION FOR PROPER CUTOUTS FOR CLEARANCE OF HEATER MOUNTING BRACKETS.
 - CHECK INSTRUMENT PANEL DEFROSTER OPENING FOR OBSTRUCTIONS. PRIOR TO INSTALLATION OF DEFROSTER NOZZLES, REMOVE TAPE FROM UNDERSIDE OF SCREEN.
- III. HEATER ITEMS TO BE CHECKED AFTER INSTALLATIONS**
- CHECK FOR PROPER TIGHTENING OF ALL MOUNTING NUTS AND SCREWS.
 - CHECK FOR PROPER INSTALLATION OF NIPPLES, WATER HOSES, BRACKETS, CLIPS AND MAKE VISUAL INSPECTION FOR WATER LEAKS.
 - CHECK FOR PROPER INSTALLATION OF VACUUM CHECK VALVE AND VACUUM HOSE TO COMPONENT PARTS.
 - CHECK DEFROSTER HOSE FOR SECURE CONNECTION.
 - CHECK FOR FREE OPERATION AND PROPER ADJUSTMENT OF CONTROL CABLES AND CLAMPS.
 - CHECK INLET DUCT FOR PROPER ATTACHMENT TO HEATER MAKING SURE OF POSITIVE SEAL.
 - CHECK WIRING HARNESS FOR PROPER INSTALLATION.
 - CHECK BLOWER MOTOR FOR THREE SPEED OPERATION.



NOTE:
 THE FOLLOWING ITEMS SHOULD BE CHECKED PRIOR TO THE INSTALLATION OF THE CONTROL ASSEMBLY

- CHECK THE CONTROL ASSY. FOR ILLUMINATION - 2 BULBS.
- CHECK THE OPERATION OF THE HEAT-DEFROST LEVER WITH RESPECT TO THE CORRECT OPERATION OF THE VACUUM VALVE.
- CHECK THE BLOWER SWITCH TO SEE THAT IT FUNCTIONS PROPERLY.
- CHECK THE CONTROL LEVERS FOR SMOOTH OPERATION. HEAT-DEFROST LEVER MUST HAVE A POSITIVE SNAP-IN FEEL WHEN FALLING INTO THE "OFF" & "HEAT" POSITIONS.
- RIGHT & LEFT HAND HEATER CONTROL BRACKETS SHOULD BE CHECKED FOR SECURE MOUNTING TO THE CONTROL ASSEMBLY.

THE FOLLOWING ITEMS SHOULD BE CHECKED AFTER THE CONTROL ASSY. IS INSTALLED IN THE VEHICLE - BUT PRIOR TO INSTALLATION OF TRIM PANELS

- CHECK FOR PROPER TIGHTENING OF (4) 54505-S8 MOUNTING SCREWS.
- CHECK FOR PROPER ADJUSTMENT OF CONTROL CABLES AND PROPER TIGHTENING OF CABLE CLAMPS.
- CHECK FOR CORRECT INSTALLATION OF VACUUM LINES, LIGHTING AND BLOWER SWITCH CONNECTIONS.

ILLUSTRATION SECTION

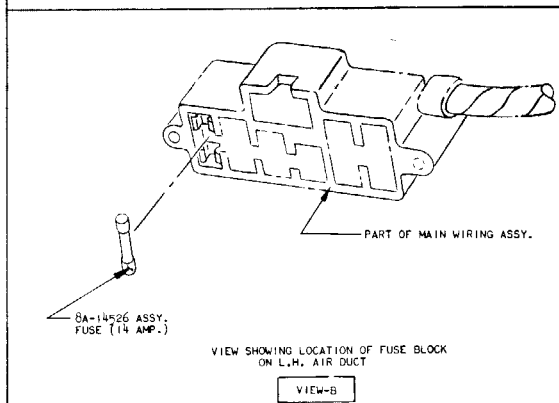
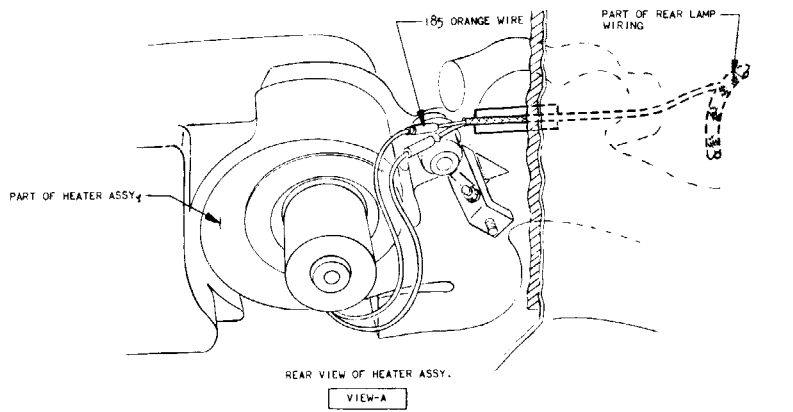
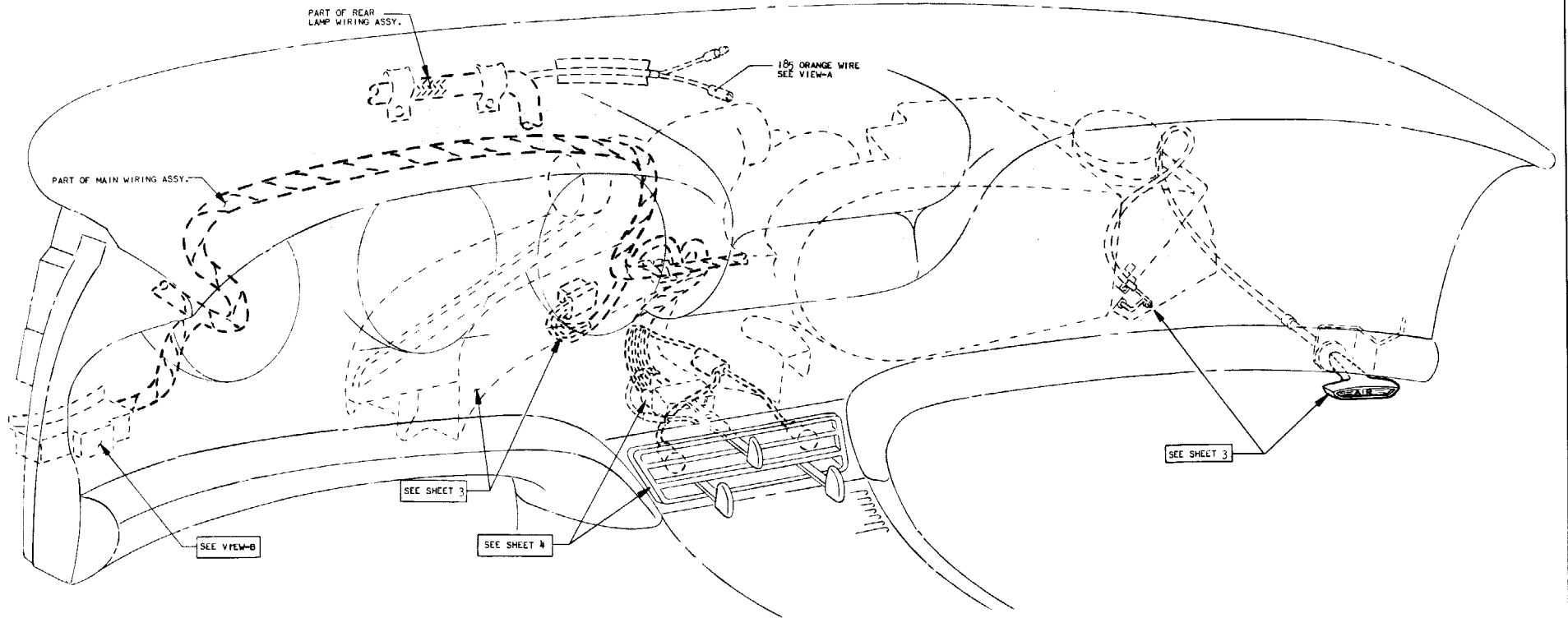
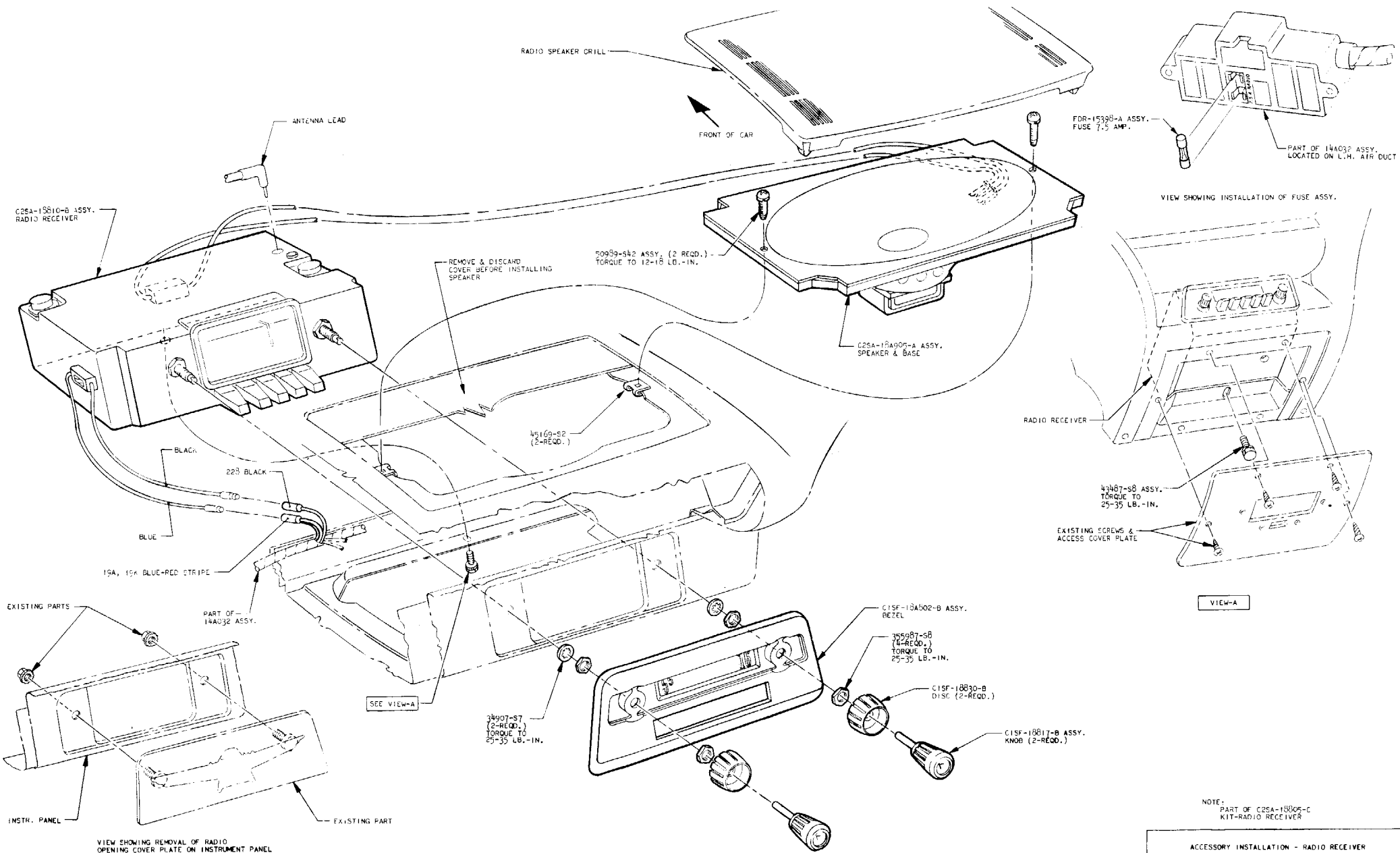


ILLUSTRATION SECTION



ACCESSORY INSTALLATION - RADIO RECEIVER

ILLUSTRATION SECTION

DATE 1-12-62 SUPERSEDES 9-11-51 EFFECTIVE WITH C2N20-55591 C25A-15810-B WAS A.

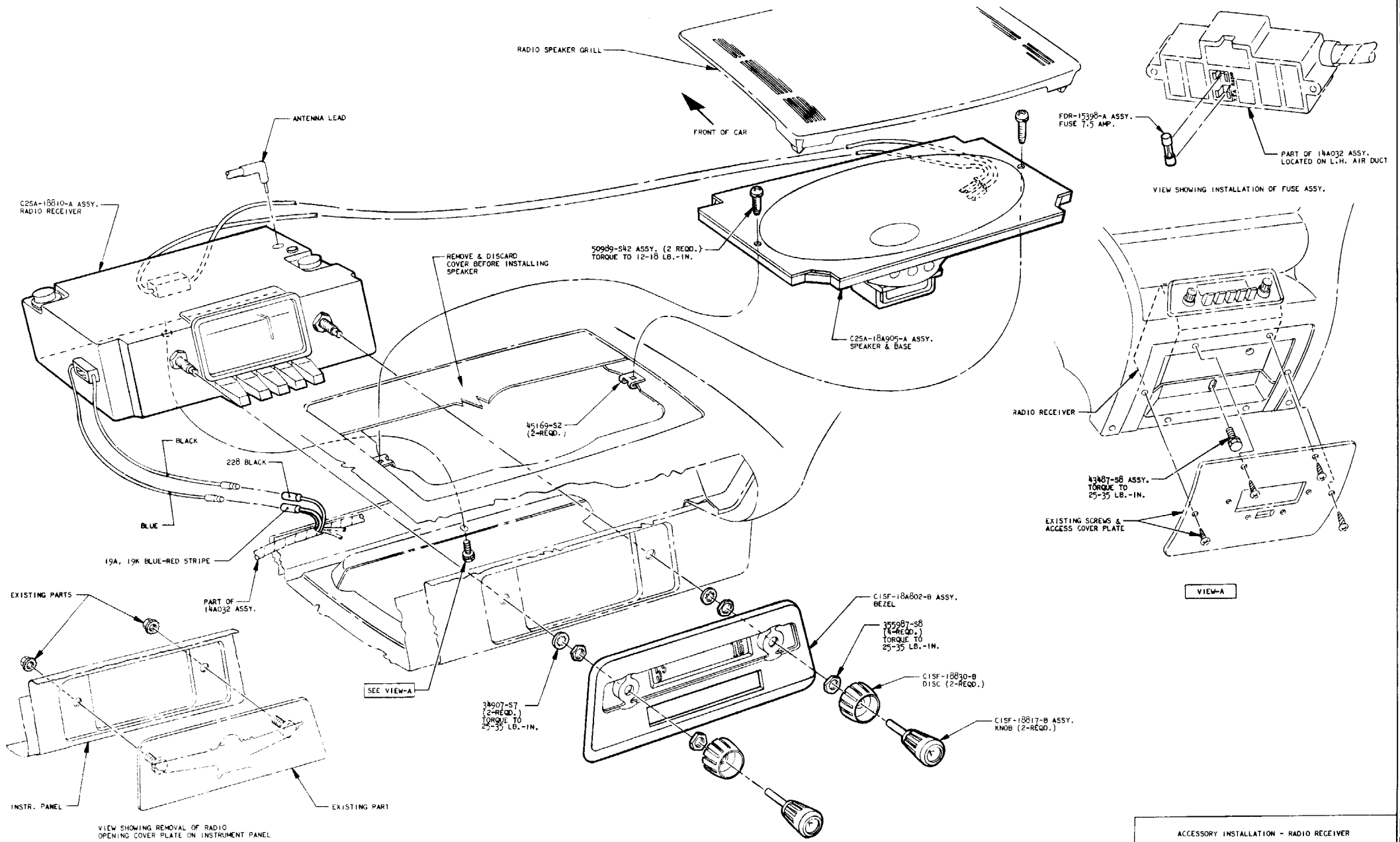
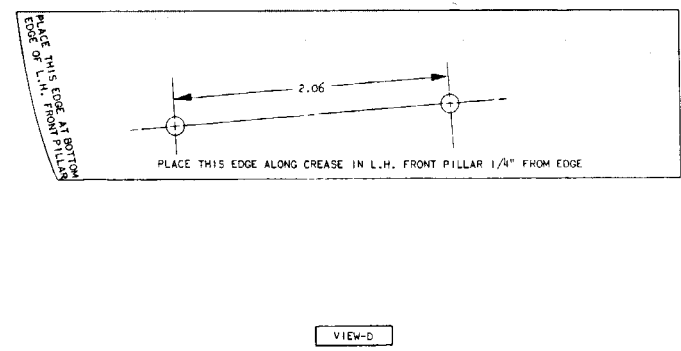
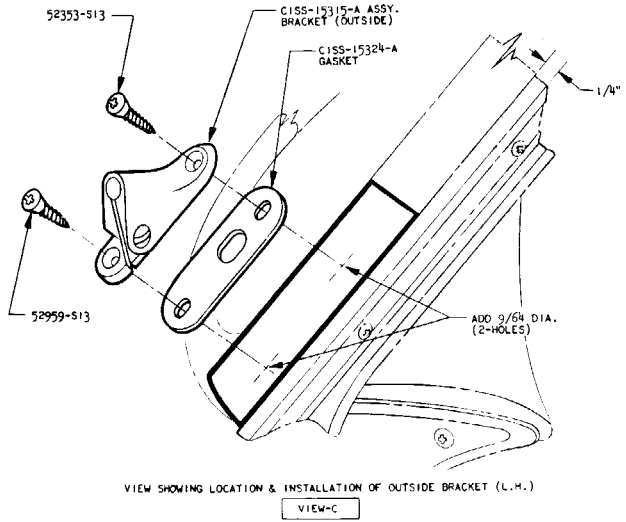
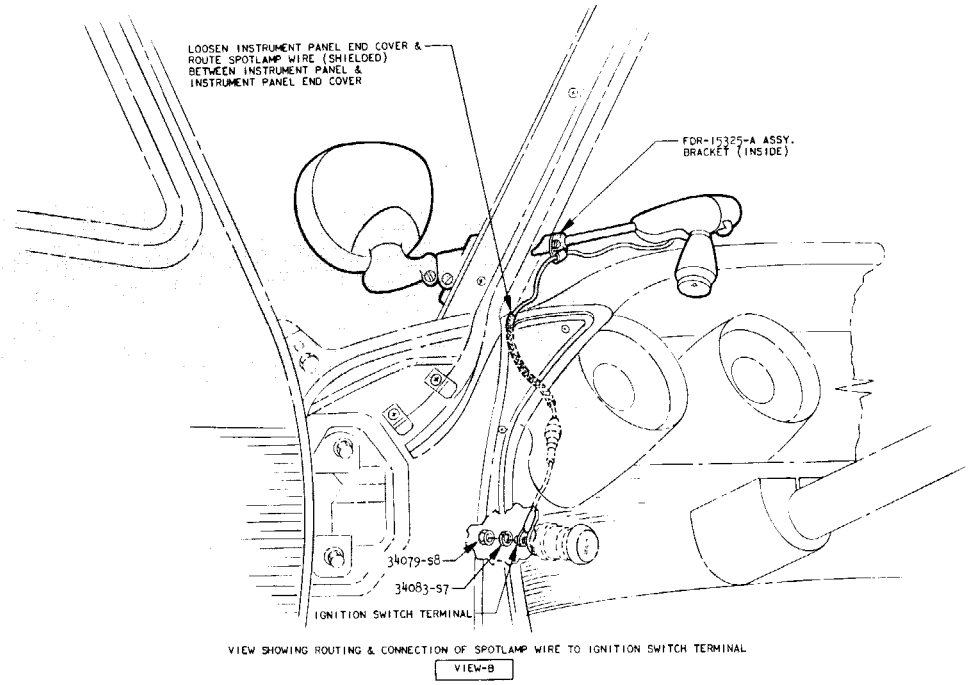
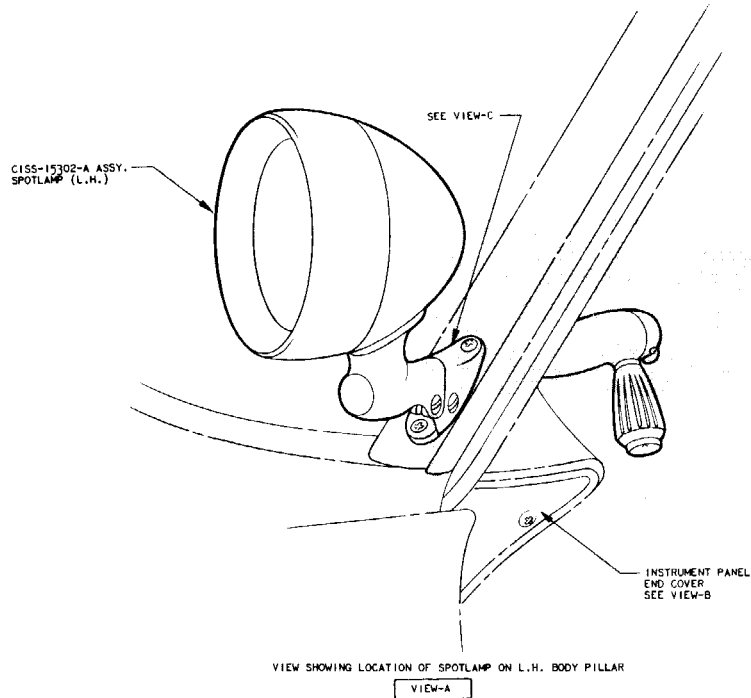
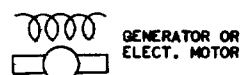
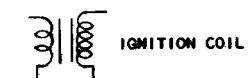
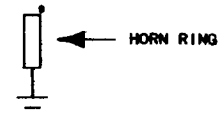
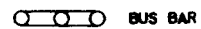
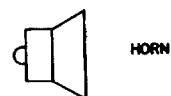
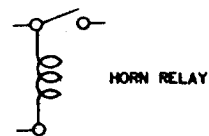
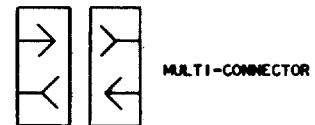
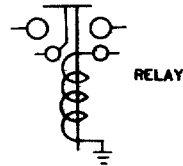
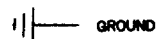
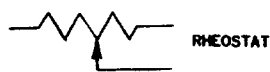
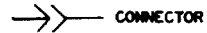
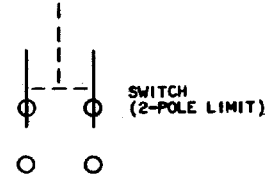
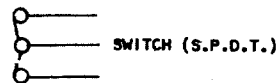
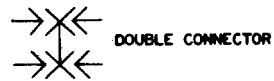
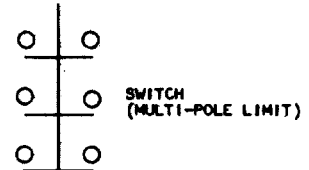
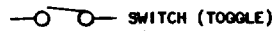
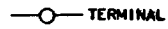
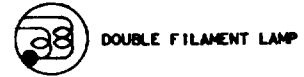
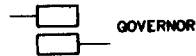
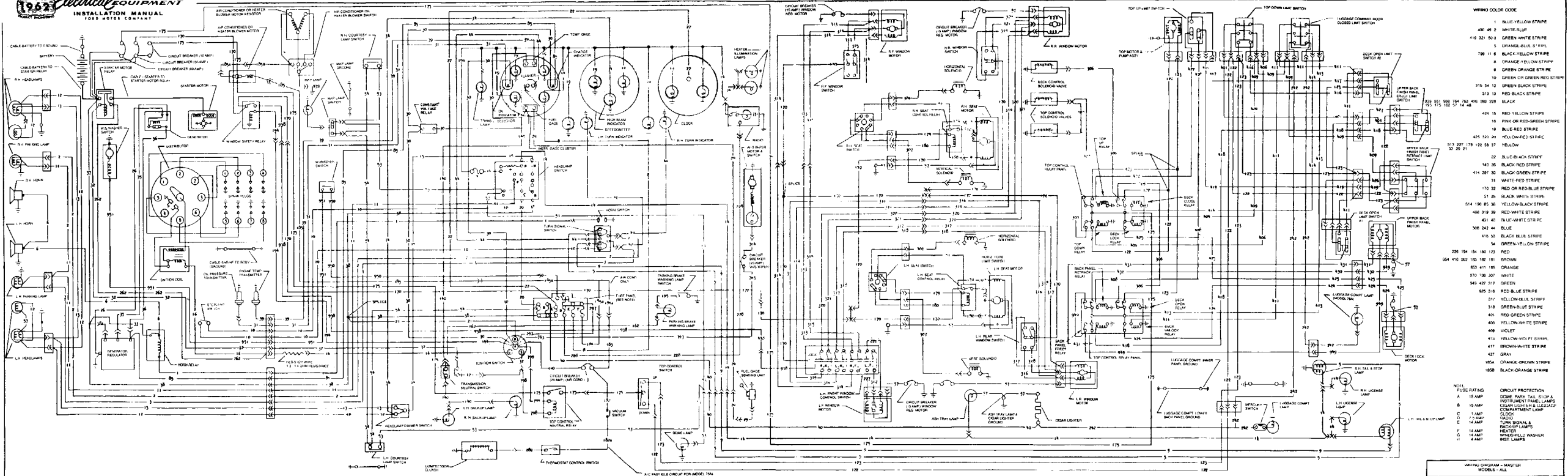


ILLUSTRATION SECTION

DATE 9-11-61 SUPERSEDES 4-24-61
 EFFECTIVE WITH FORM #1057 #2
 C25A-18810-A WAS C15F-18810-B







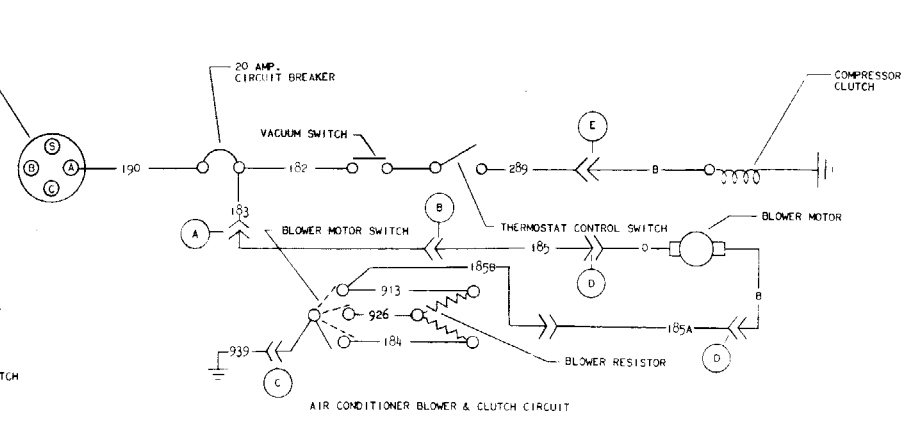
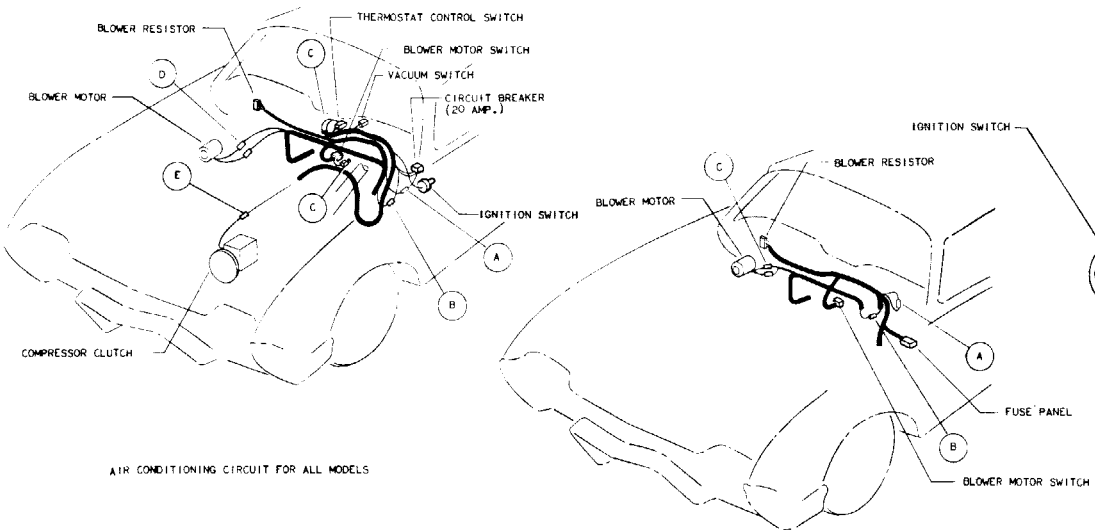
WIRING COLOR CODE

- 400 #1 2 BLUE-YELLOW STRIPE
- 419 321 52 GREEN-WHITE STRIPE
- 5 CHROME-BLUE 3" WPL
- 786 #1 8 BLACK-YELLOW STRIPE
- 8 ORANGE-YELLOW STRIPE
- 9 GREEN-ORANGE STRIPE
- 10 GREEN OR GREEN-RED STRIPE
- 315 54 12 GREEN-BLACK STRIPE
- 513 13 RED-BLACK STRIPE
- 513 13 BLACK
- 424 15 RED-YELLOW STRIPE
- 16 PINK OR RED-GREEN STRIPE
- 18 BLUE-RED STRIPE
- 425 530 21 YELLOW
- 513 227 179 122 28 37 YELLOW
- 22 BLUE-BLACK STRIPE
- 140 26 BLACK-RED STRIPE
- 414 297 30 BLACK-GREEN STRIPE
- 31 WHITE-RED STRIPE
- 170 32 RED OR RED-BLUE STRIPE
- 51 28 BLACK-WHITE STRIPE
- 314 190 85 36 YELLOW-BLACK STRIPE
- 406 319 29 RED-WHITE STRIPE
- 421 42 78 BLUE-WHITE STRIPE
- 308 242 44 BLUE
- 416 33 BLACK-BLUE STRIPE
- 54 GREEN-YELLOW STRIPE
- 226 194 184 180 123 RED
- 604 416 202 185 182 181 BROWN
- 853 411 185 ORANGE
- 370 106 207 WHITE
- 949 429 317 GREEN
- 605 316 RED-BLUE STRIPE
- 317 YELLOW-ORANGE STRIPE
- 318 GREEN-BLUE STRIPE
- 401 RED-GREEN STRIPE
- 406 YELLOW-WHITE STRIPE
- 408 VIOLET
- 413 YELLOW-VIOLET STRIPE
- 417 BROWN-WHITE STRIPE
- 422 GRAY
- 185A ORANGE-BROWN STRIPE
- 185B BLACK-ORANGE STRIPE

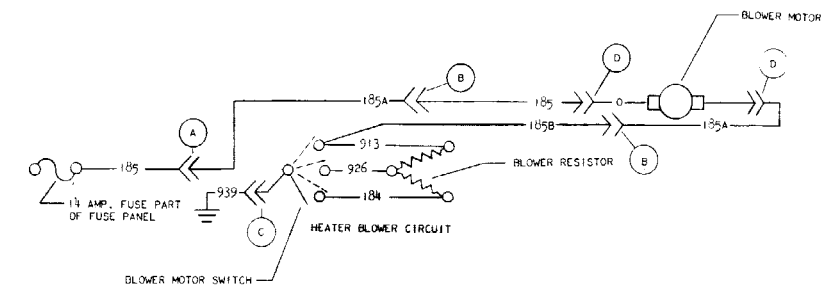
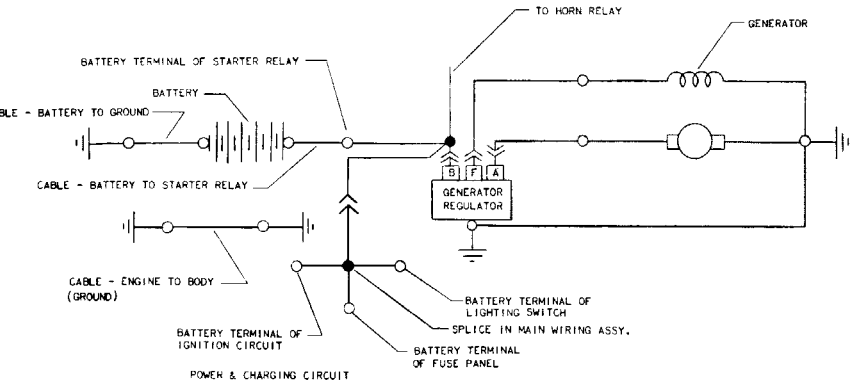
- FUSE RATING**
- A 15 AMP
 - B 10 AMP
 - C 7.5 AMP
 - D 5 AMP
 - E 14 AMP
 - F 14 AMP
 - G 14 AMP
 - H 14 AMP
- CIRCUIT PROTECTION**
- DOME PANEL TAIL LAMP & INSTRUMENT PANEL LAMPS
 - CLEAR LIGHTS & LICENSE COMPLIANCE LAMP
 - CLOCK
 - RADIO
 - TURN SIGNALS & BACKLIT LAMPS
 - HEATER
 - WINDSHIELD WASHER INST LAMPS

DATE 7-26-61 SUPERSEDES 6-2-61 EFFECTIVE WITH 1962 VEHICLES
 NUMBER PART TALK CIRCUT

A
B
C
D
E
F
G
H
J
K



HEATER & BLOWER CIRCUIT FOR ALL MODELS



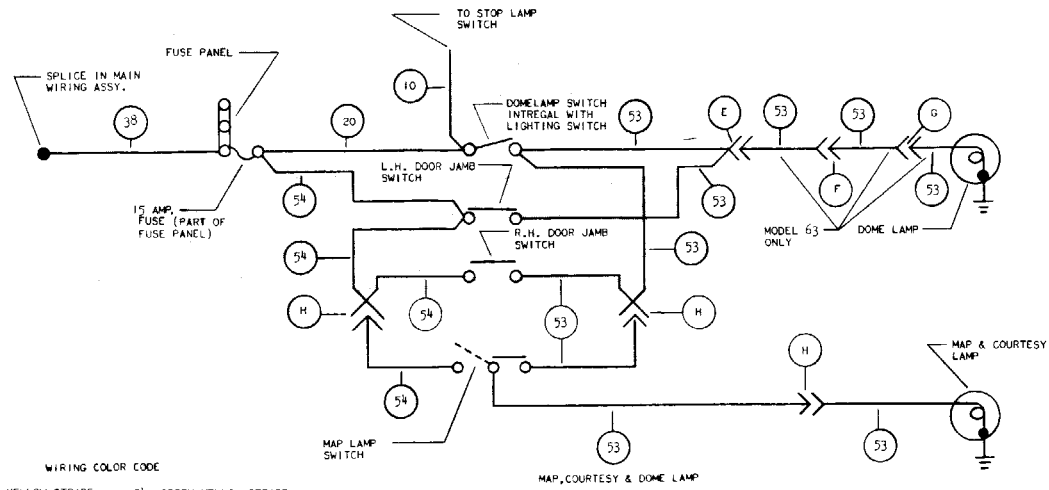
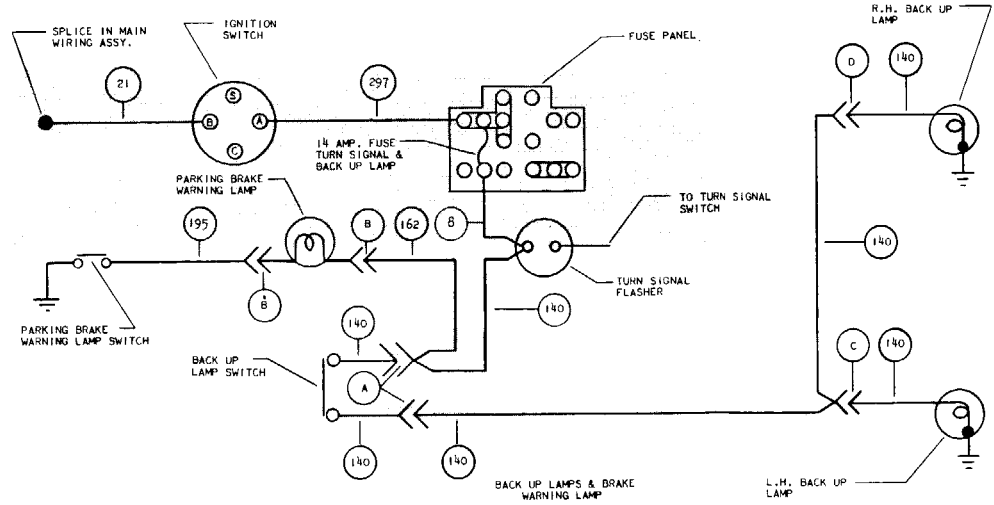
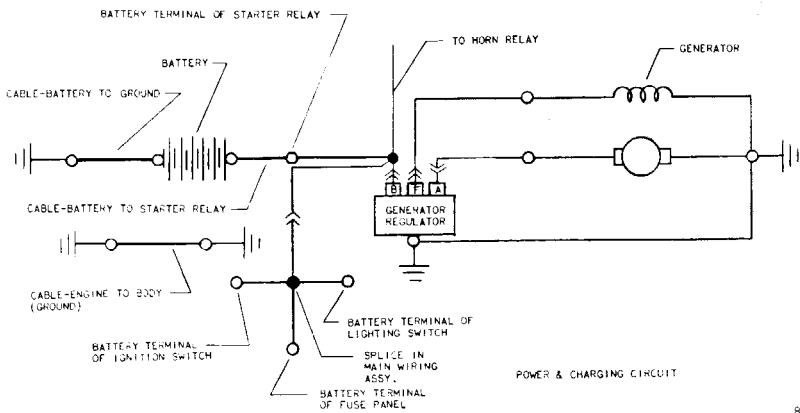
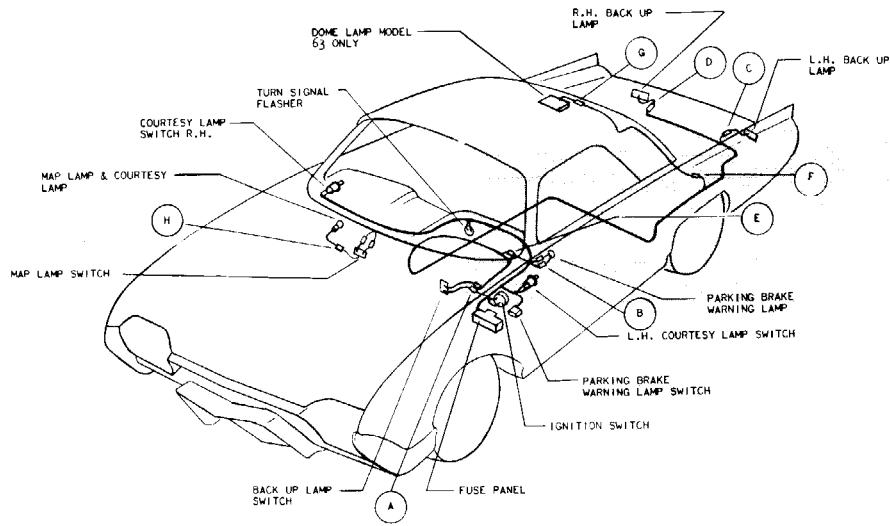
WIRING COLOR CODE

184	32	RED	798	WHITE	653	BLACK-WHITE STRIPE	939	BLACK
959	289	175	BLACK	799	BLACK-YELLOW	B	BLACK	
183	182	BROWN	913	YELLOW	O	ORANGE		
	185	ORANGE	926	RED-BLUE STRIPE	185A	ORANGE-BROWN STRIPE		
	566	BROWN-ORANGE STRIPE	190	YELLOW-BLACK STRIPE	185B	BLACK-ORANGE STRIPE		

(A) ALL LETTERS CIRCLED AS SHOWN INDICATE CONNECTORS
 △ INDICATES PART OF MULTIPLE CONNECTOR

ILLUSTRATION SECTION

DATE 9-26-61 SUPERSEDES 4-4-61
 EFFECTIVE WITH CSN1-127089
 REVISED POWER & CHARGING CIRCUIT



WIRING COLOR CODE

8 ORANGE-YELLOW STRIPE	54 GREEN-YELLOW STRIPE
10 GREEN	140 BLACK-RED STRIPE
20 YELLOW-RED STRIPE	162 195 BLACK
38 21 YELLOW	297 BLACK-GREEN STRIPE
53 BLACK-BLUE STRIPE	

(A) ALL LETTERS CIRCLED AS SHOWN INDICATE CONNECTORS

WIRING DIAGRAM - BACKUP LAMPS, BRAKE WARNING LAMP & INTERIOR LAMP CIRCUIT
 MODELS - ALL
 THUNDERBOLT PAGE E2-4820-1

ILLUSTRATION SECTION

DATE 2-1-61 SUPERSEDES 3-4-61
 FIVE FIVE WITH GEN-127040
 REVISED POWER & CHARGING CIRCUIT

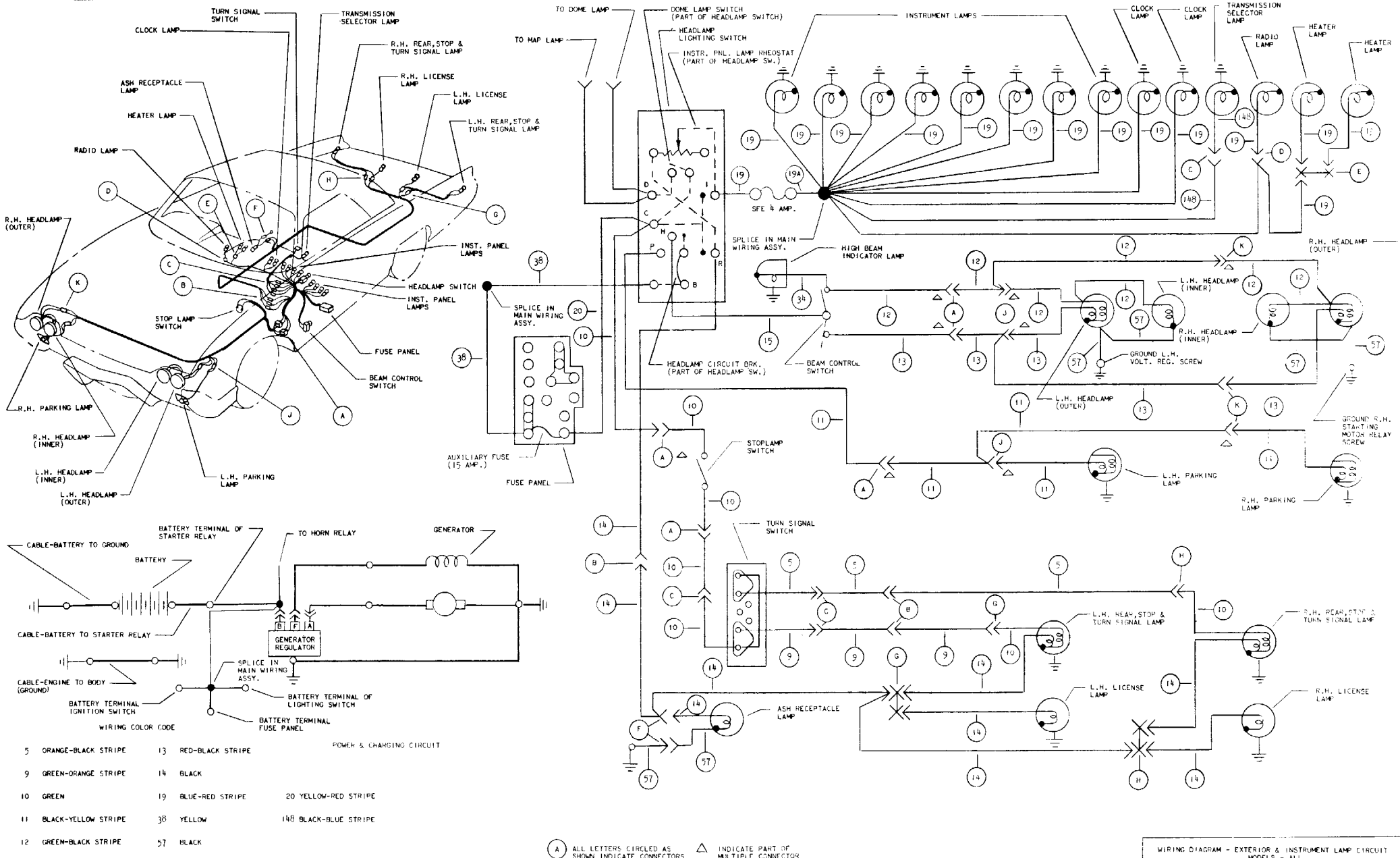
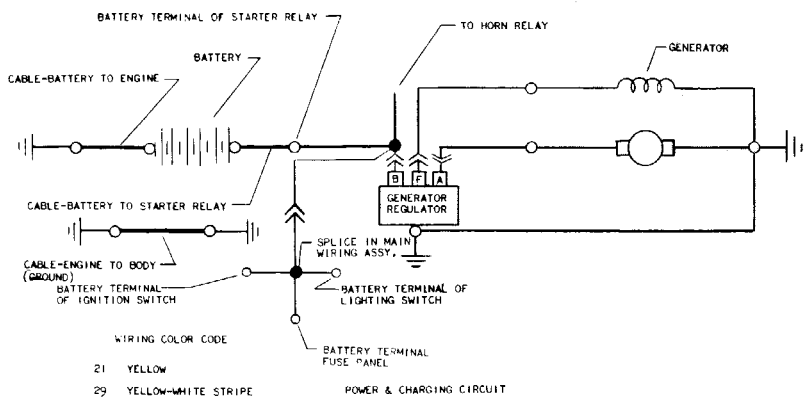
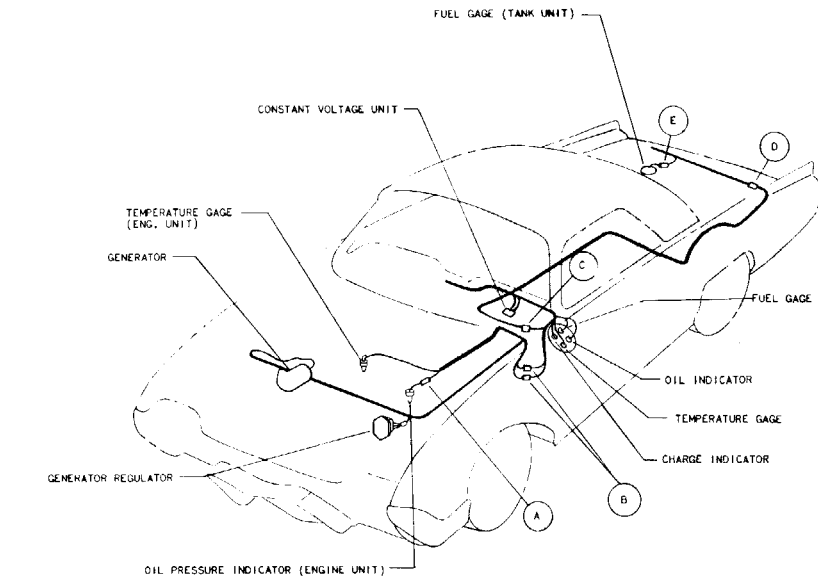


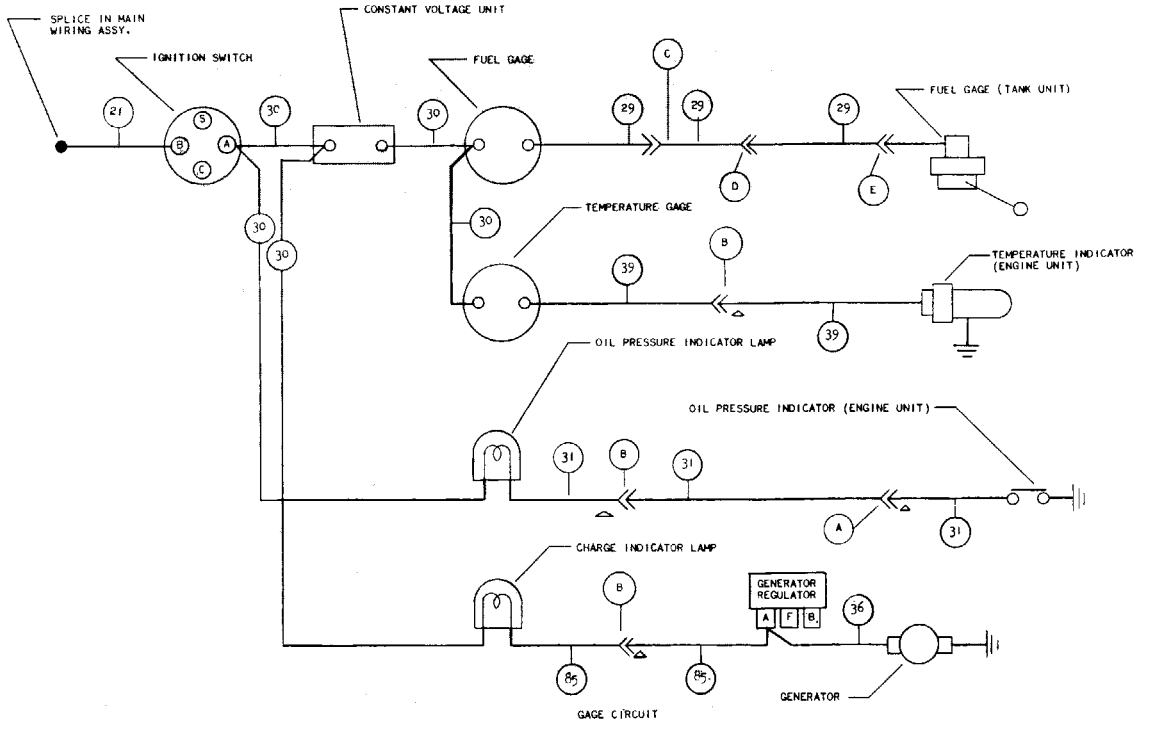
ILLUSTRATION SECTION

DATE 9-26-61 SUPERSEDES 4-4-61
 EFFECTIVE WITH CSN1-127849
 REVISED POWER & CHARGING CIRCUIT

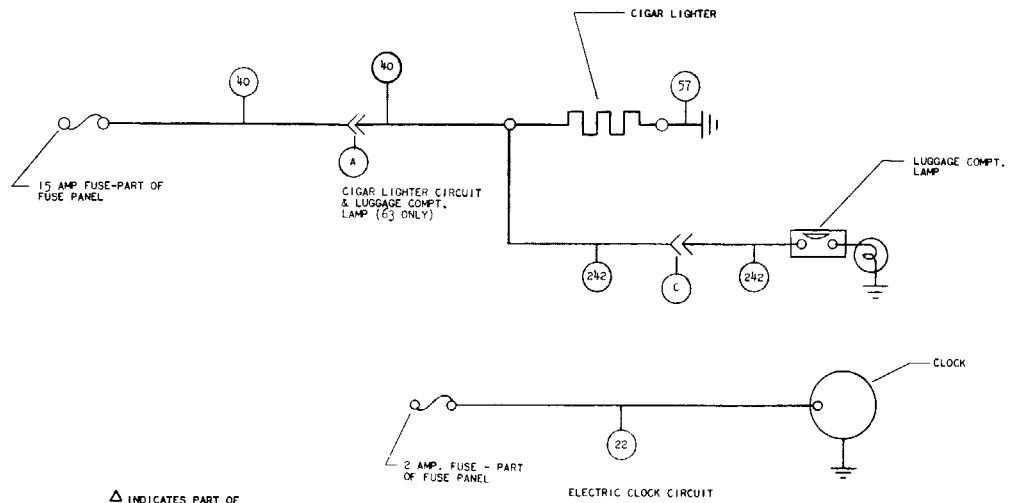
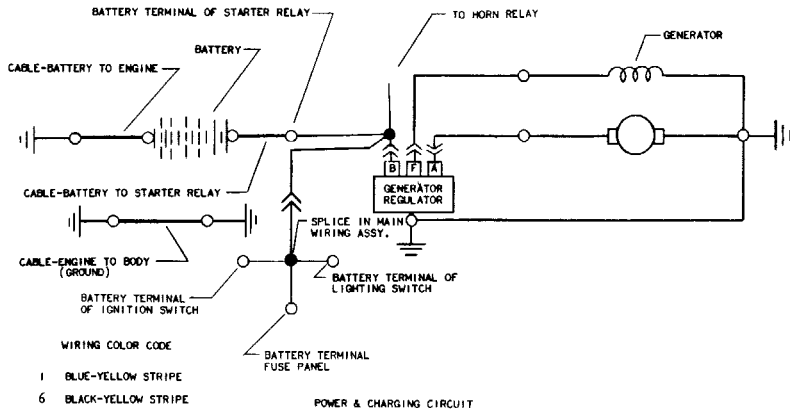
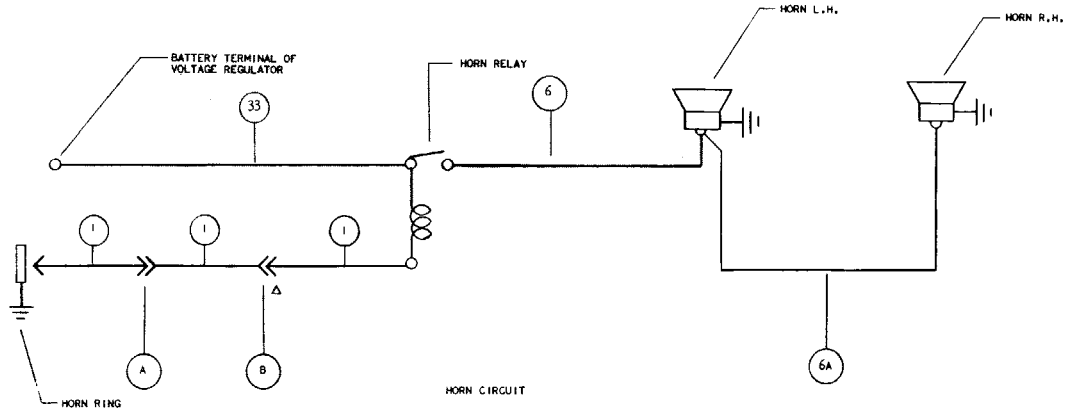
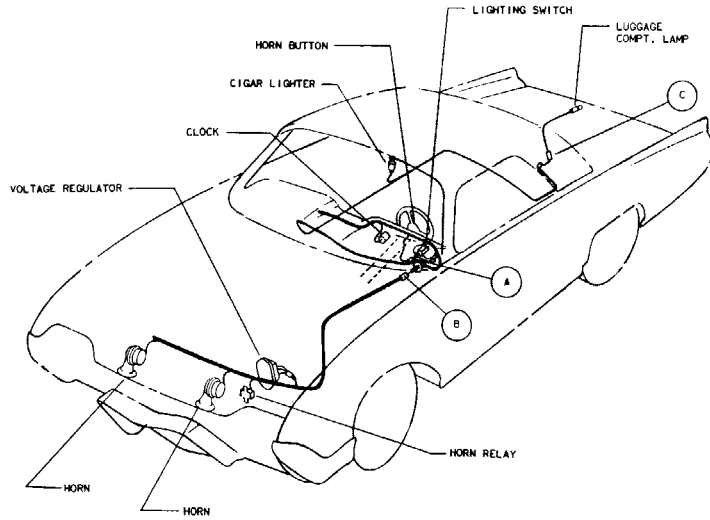


- WIRING COLOR CODE
- 21 YELLOW
 - 29 YELLOW-WHITE STRIPE
 - 30 BLACK-GREEN STRIPE
 - 39 RED-WHITE STRIPE
 - 36 85 YELLOW-BLACK STRIPE
 - 31 WHITE-RED STRIPE

POWER & CHARGING CIRCUIT



ALL LETTERS CIRCLED AS SHOWN INDICATE CONNECTORS A INDICATES PART OF MULTIPLE CONNECTOR



ALL LETTERS CIRCLED AS SHOWN INDICATE CONNECTORS

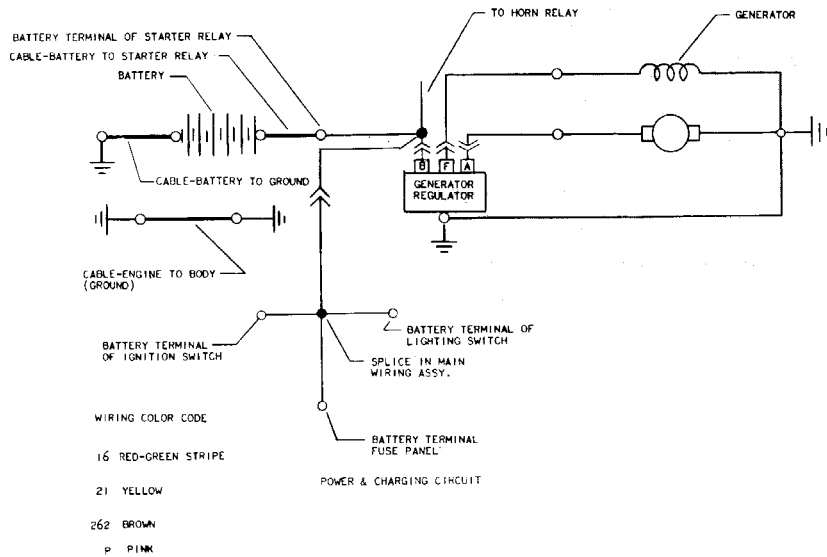
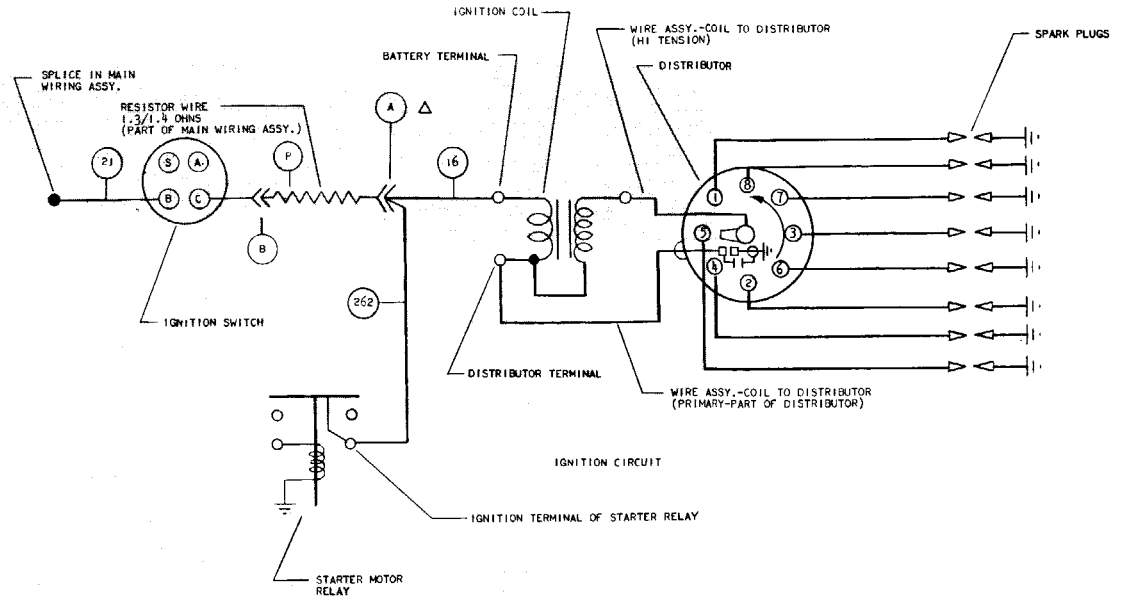
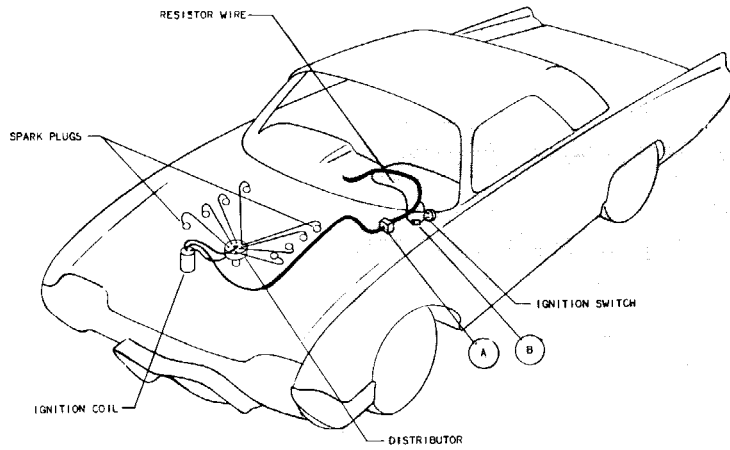
△ INDICATES PART OF MULTIPLE CONNECTOR

- WIRING COLOR CODE
- 1 BLUE-YELLOW STRIPE
 - 6 BLACK-YELLOW STRIPE
 - 33 YELLOW
 - 40 BLUE-WHITE STRIPE
 - 242 BLUE
 - 57 BLACK
 - 22 BLUE-BLACK STRIPE

POWER & CHARGING CIRCUIT

ELECTRIC CLOCK CIRCUIT

WIRING DIAGRAM - HORN, LUGGAGE COMPT. LAMP, CLOCK, & CIGAR LIGHTER CIRCUITS
 MODELS - ALL



- WIRING COLOR CODE
- 16 RED-GREEN STRIPE
 - 21 YELLOW
 - 262 BROWN
 - P PINK

POWER & CHARGING CIRCUIT

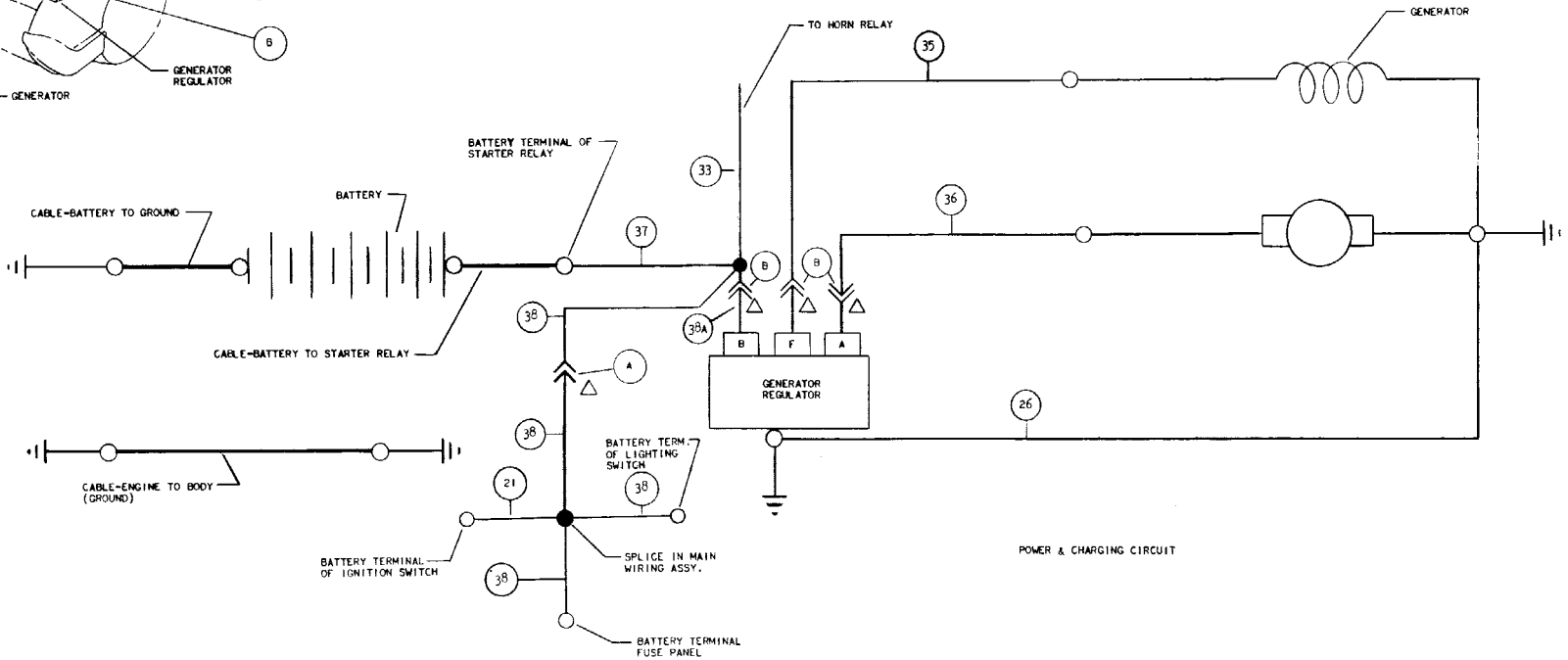
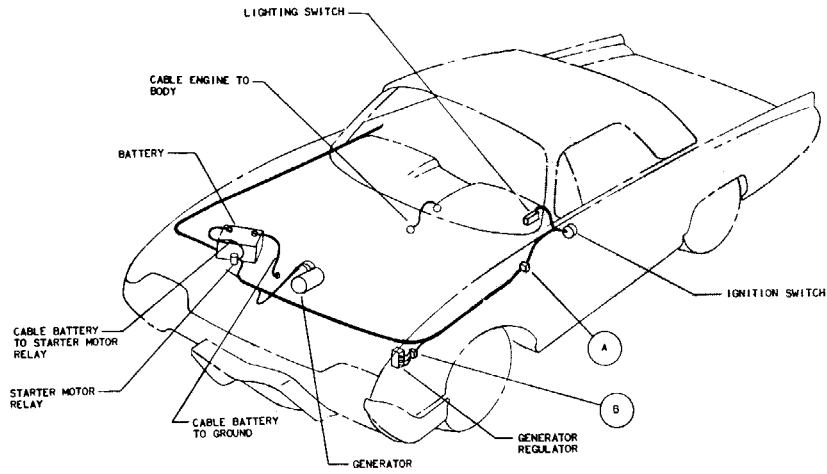
Ⓐ ALL LETTERS CIRCLED AS SHOWN INDICATE CONNECTORS

△ INDICATES PART OF MULTIPLE CONNECTOR

WIRING DIAGRAM - IGNITION CIRCUIT
MODELS - ALL
THUNDERBIRD PAGE E2-4840-1

ILLUSTRATION SECTION

DATE 9-26-61 SUPERSEDES 4-4-61
EFFECTIVE WITH CSN1-127849
REVISED POWER & CHARGING CIRCUIT



WIRING COLOR CODE

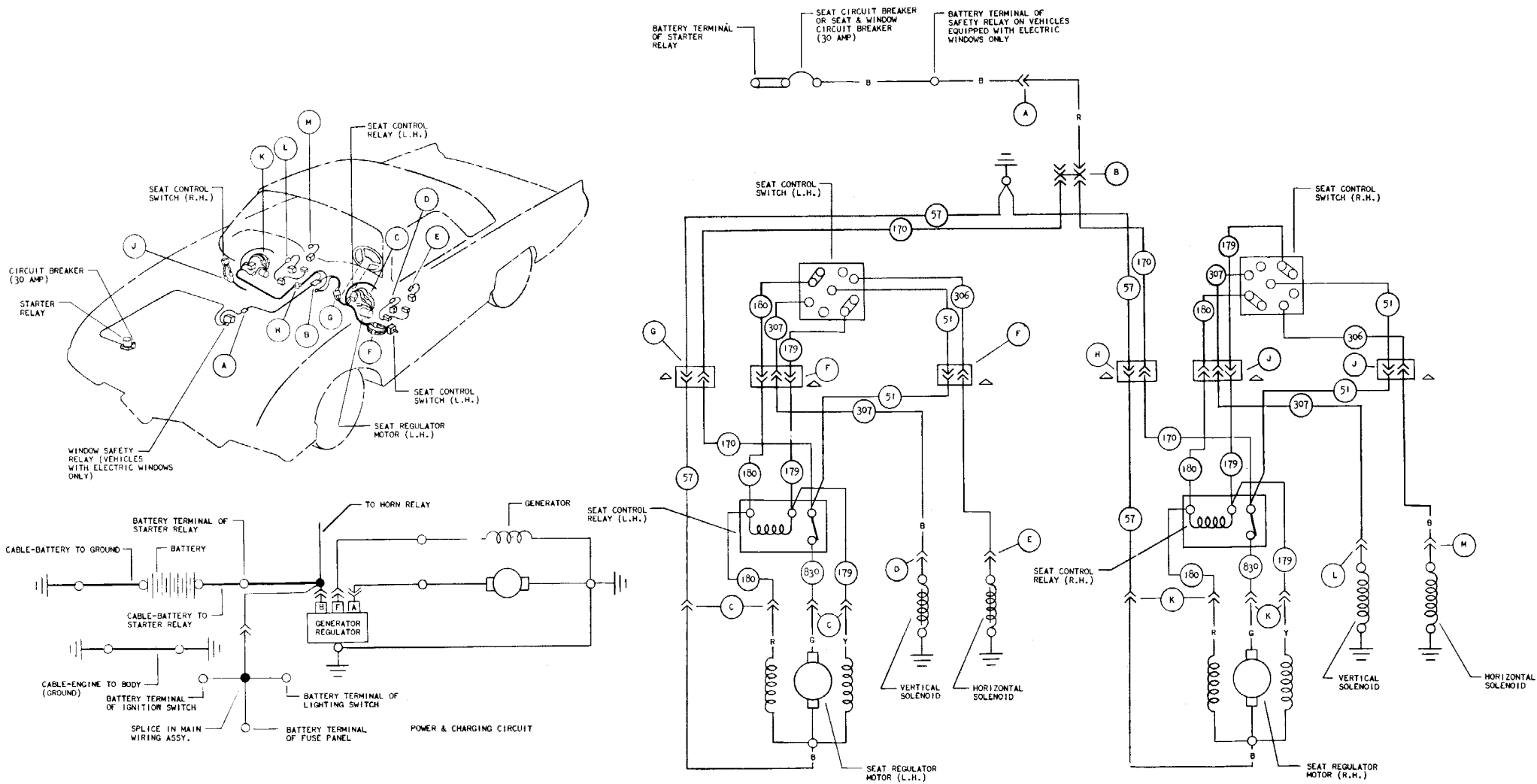
- 26 BLACK-RED STRIPE
- 35 BLACK-WHITE STRIPE
- 36 YELLOW-BLACK STRIPE
- 21 37 38 38A YELLOW

(A) ALL LETTERS CIRCLED AS SHOWN INDICATE CONNECTORS

△ INDICATES PART OF MULTIPLE CONNECTOR

WIRING DIAGRAM - POWER & CHARGING CIRCUIT
 MODELS-ALL

THUNDERBIRD PAGE E2-48N5-1



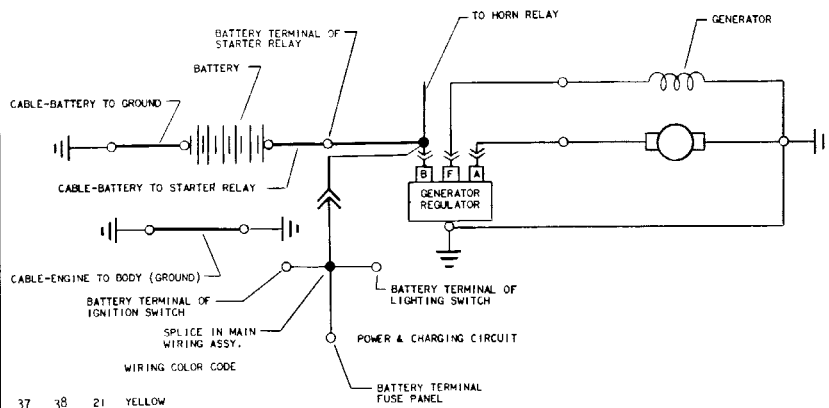
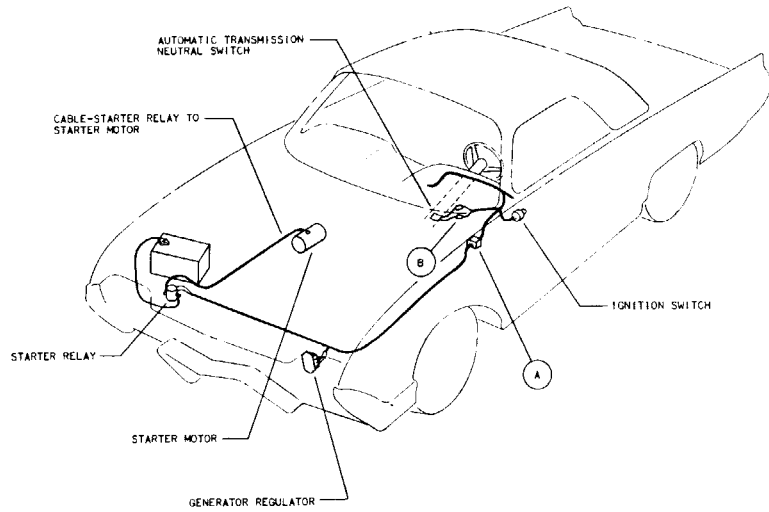
WIRING COLOR CODE

51 BLACK WHITE STRIPE	180 RED	B BLACK
57 BLACK	306 BLUE	R GREEN
170 RED-BLUE STRIPE	307 WHITE	Y RED
179 YELLOW	830 GREEN	G YELLOW
	953 ORANGE	
	954 BROWN	

ILLUSTRATION SECTION

DATE 9-26-61 SUPERSEDES 4-4-61
 EFFECTIVE WITH CSN1-127849
 REVISED POWER & CHARGING CIRCUIT

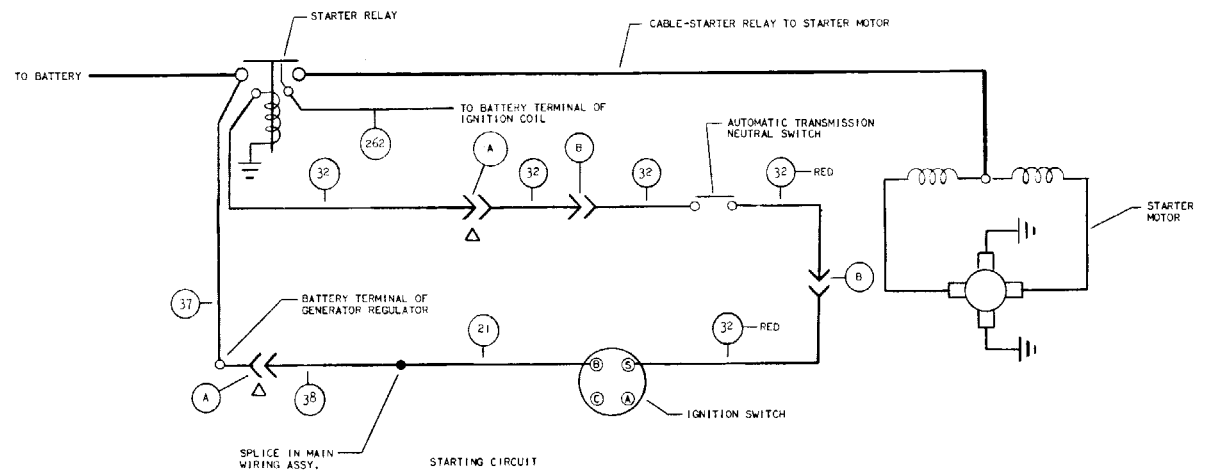
INDICATES PART OF MULTIPLE CONNECTOR
 ALL LETTERS CIRCLED AS SHOWN INDICATE CONNECTORS



37 38 21 YELLOW
 32 RED OR RED-BLUE STRIPE
 262 BROWN

ALL LETTERS CIRCLED AS SHOWN INDICATE CONNECTORS

△ INDICATES PART OF MULTIPLE CONNECTOR.



WIRING DIAGRAM - STARTING CIRCUIT
 MODELS - ALL

THUNDERBIRD PAGE E2-4855-1

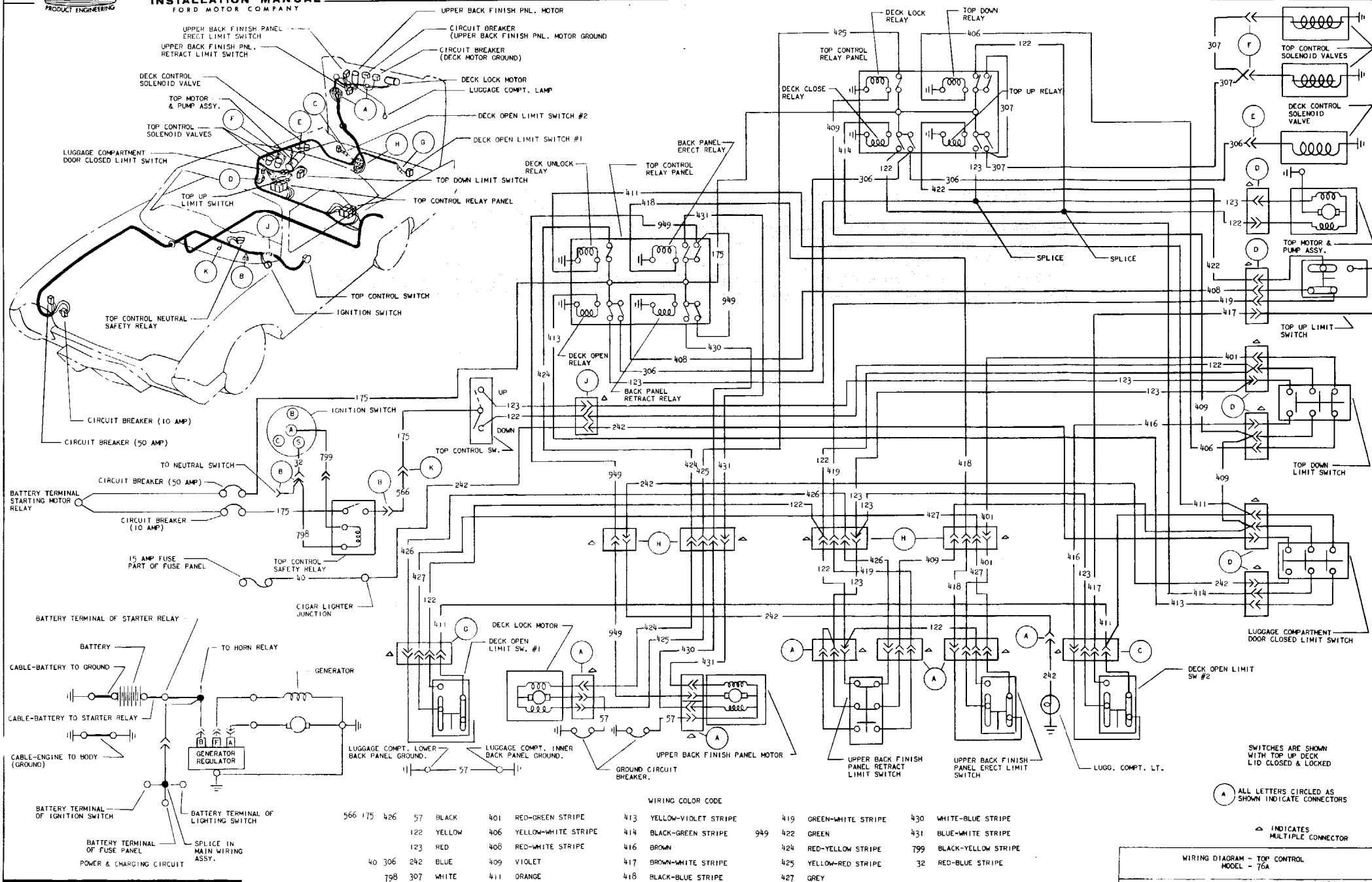
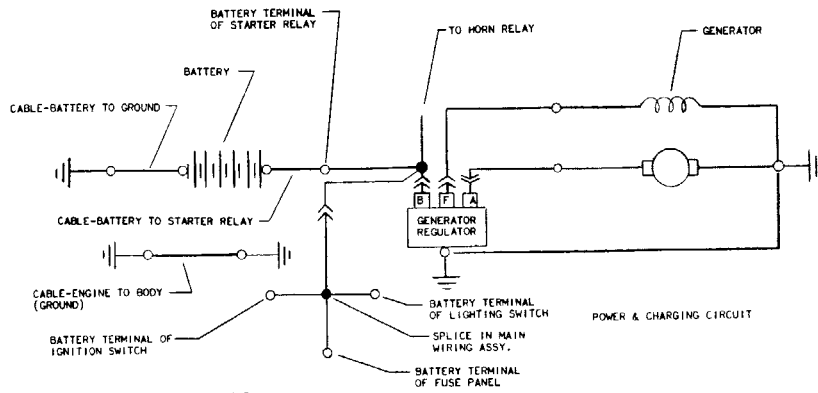
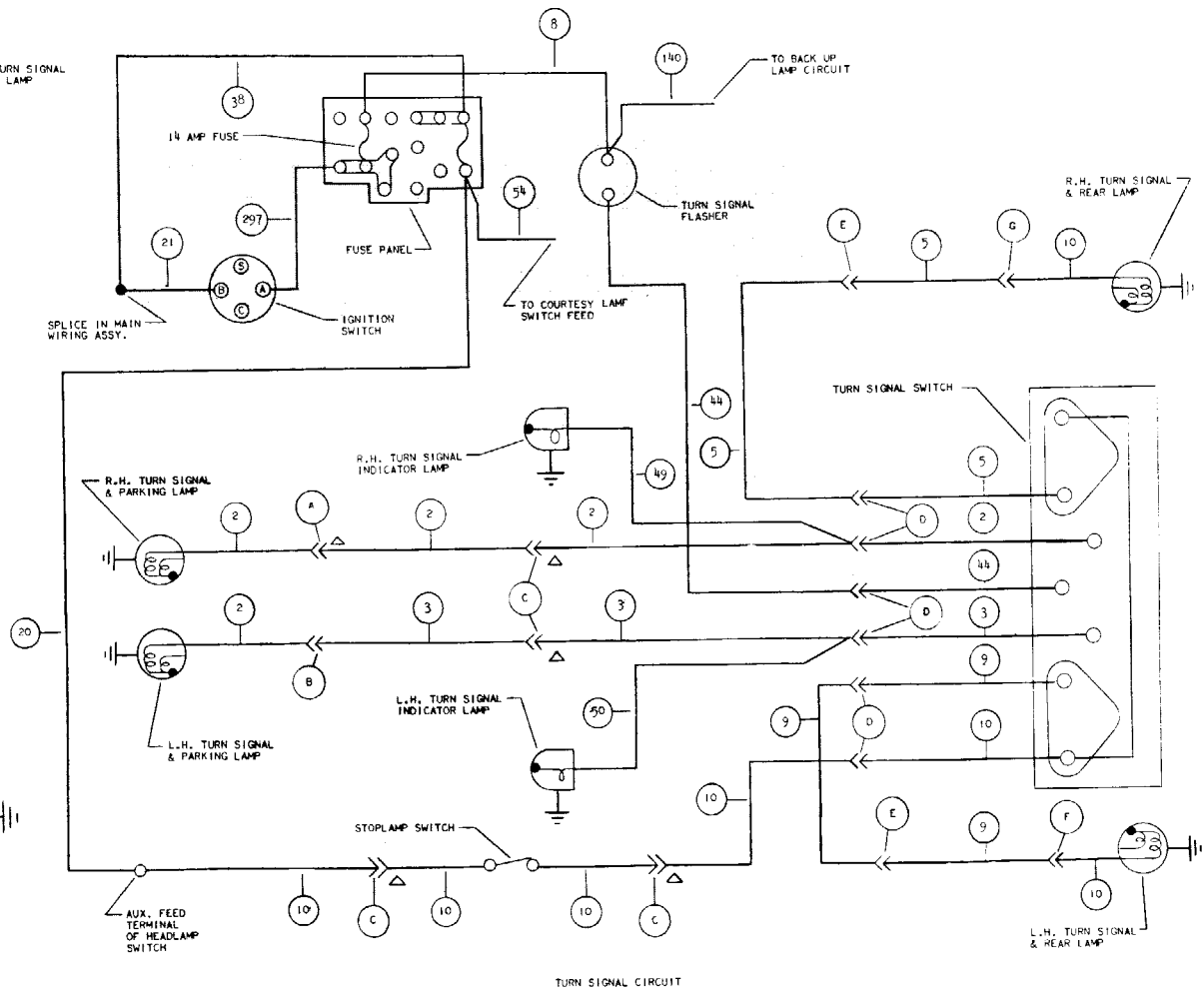
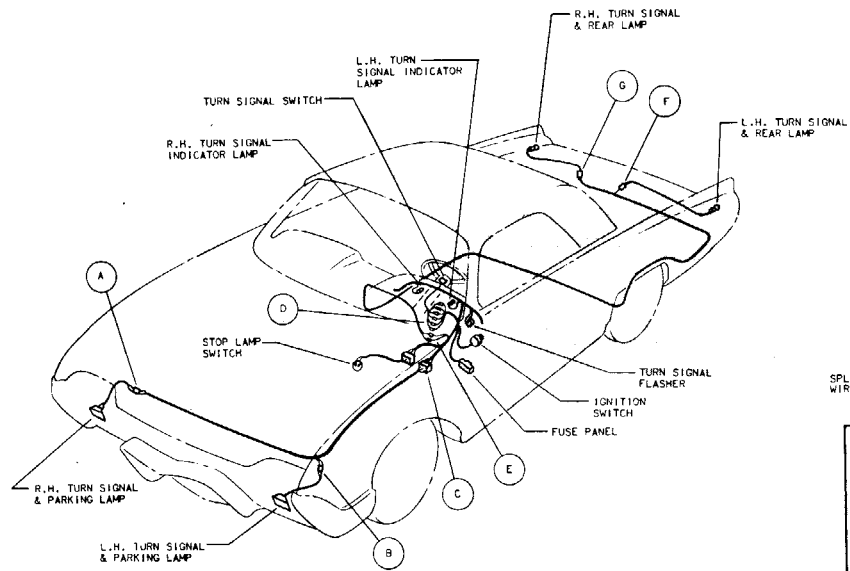


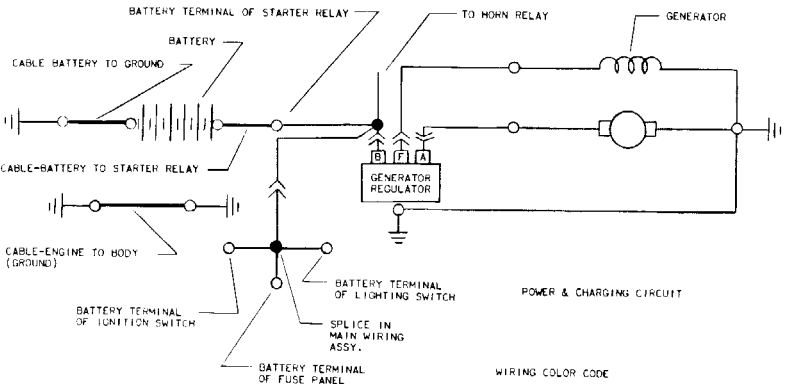
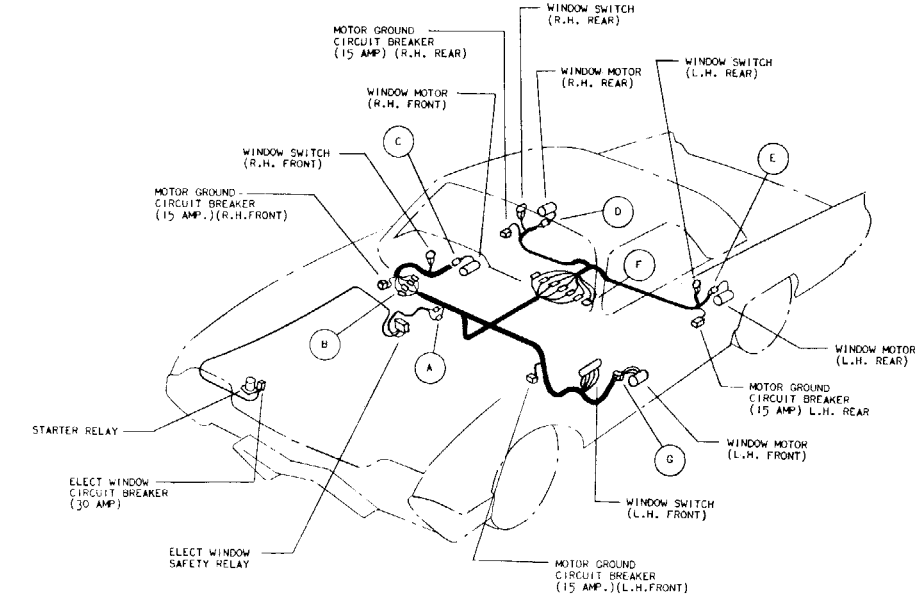
ILLUSTRATION SECTION
 DATE 9-26-61 SUPERSEDES 4-4-61
 EFFECTIVE WITH CSN1-127B49
 REVISED POWER & CHARGING CIRCUIT



WIRING COLOR CODE

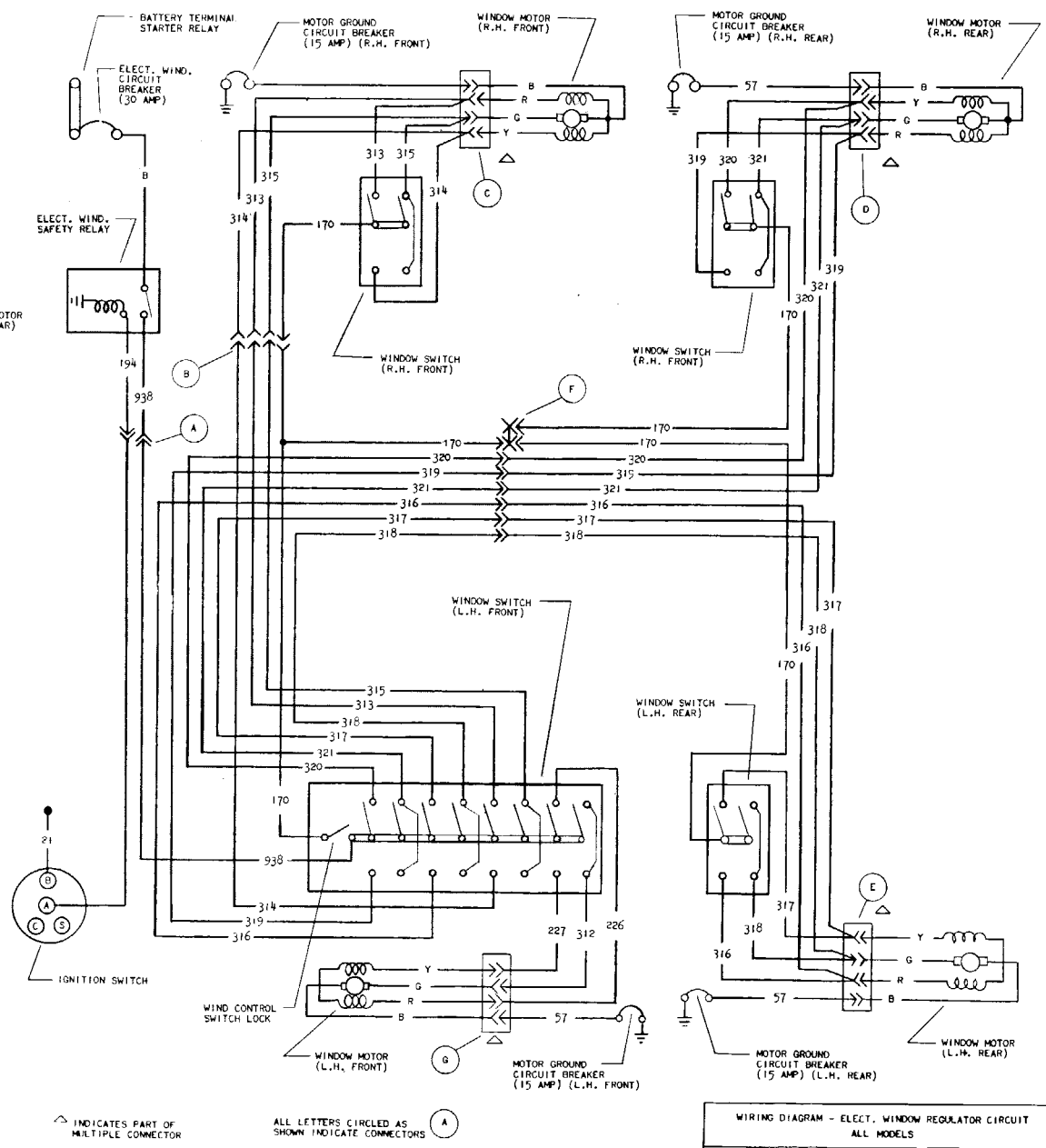
5 ORANGE-BLUE STRIPE	44 BLUE
8 ORANGE-YELLOW STRIPE	2 49 WHITE-BLUE STRIPE
9 GREEN-ORANGE STRIPE	3 50 GREEN-WHITE STRIPE
10 GREEN OR GREEN-RED STRIPE	140 BLACK-RED STRIPE
20 YELLOW-RED STRIPE	297 BLACK-GREEN STRIPE
38 21 YELLOW	54 GREEN-YELLOW STRIPE

ALL LETTERS CIRCLED AS SHOWN INDICATE CONNECTORS
 △ INDICATES PART OF QUICK DISCONNECT



WIRING COLOR CODE

57 BLACK	318 GREEN-BLUE STRIPE
170 317 RED-BLUE STRIPE	319 YELLOW-RED STRIPE
194 226 RED	320 RED-WHITE STRIPE
21 227 YELLOW	321 GREEN-WHITE STRIPE
312 GREEN	938 BLACK
313 RED-BLACK STRIPE	R RED
314 YELLOW-BLACK STRIPE	Y YELLOW
315 GREEN-BLACK STRIPE	G GREEN
316 YELLOW-BLUE STRIPE	B BLACK



INDICATES PART OF MULTIPLE CONNECTOR

ALL LETTERS CIRCLED AS SHOWN INDICATE CONNECTORS

WIRING DIAGRAM - ELECT. WINDOW REGULATOR CIRCUIT
 ALL MODELS
 THUNDERBIRD PAGE E2-870-1

ILLUSTRATION SECTION

DATE 9-26-61 SUPERSEDES 8-4-61
 EFFECTIVE WITH CSN1-127989
 REVISED POWER & CHARGING CIRCUIT