



2.0 (CONTINUED)

FREON-12 IS A HIGHLY REFINED VOLATILE COMPOUND THAT IS PROCESSED TO BE ESPECIALLY FREE OF IMPURITIES THAT MIGHT CONTAMINATE THE REFRIGERATION SYSTEM. OBVIOUSLY THE MAINTENANCE OF THIS INITIAL CONDITION DEMANDS EXTREMELY CAREFUL CONTROL OF THE CONDITIONS OF THE VARIOUS LINES AND CHARGING EQUIPMENT, THROUGH WHICH IT FLOWS UNTIL IT ENTERS THE CAR AIR CONDITIONING SYSTEM.

2.1 REFRIGERANT AND CONTAINERS

ALL CONTAINERS (EXCEPT 15 OZ. SIZE) ARE EQUIPPED WITH VALVES AND CAPS. PROPER ADAPTERS IN ACCORDANCE WITH THE SUPPLIERS RECOMMENDATIONS, SHALL BE USED FOR THE ATTACHMENT OF TUBING OR LINES.

ALL CONTAINERS ARE EQUIPPED WITH A PROTECTIVE FUSIBLE MATERIAL, AND MUST NOT BE HEATED ABOVE 125° F. UNDER NO CIRCUMSTANCE SHALL THEY REMAIN EXPOSED TO DIRECT SUNLIGHT IN HOT WEATHER.

FREON-12 MUST BE PURCHASED ONLY IN CONTAINERS THAT HAVE THE MANUFACTURER'S SEAL INTACT. THIS WILL INSURE PURITY OF THE REFRIGERANT, ACCORDING TO THE FOLLOWING SPECIFICATIONS:

MOISTURE-.0010% MAX. BY WT. HIGH BOILING IMPURITIES .01% MAX. BY VOL.
CHLORIDES-NONE NON CONDENSIBLE GASES 1.5% MAX. BY VOL.

2.2 DIRECT REFRIGERANT CHARGING EQUIPMENT

WHERE THE REFRIGERANT IS PURCHASED IN SMALL DRUMS FOR CHARGING DIRECTLY INTO THE CAR SYSTEM, THE EQUIPMENT SHALL INCLUDE THE FOLLOWING ITEMS:

SCALES WITH AN ACCURACY OF +.1 LB. (FOR CONTAINERS UP TO 25 LBS. CAPACITY).
SCALES WITH AN ACCURACY OF +.3 LBS. (FOR 145 LB. CONTAINERS).
CHARGING VALVE AND GAUGE CONNECTION MANIFOLD OR EQUIVALENT.
RECOMMENDED FREON-12 HOSE OR TUBING AND FITTINGS.

CHECKS SHALL BE MADE WITH A KNOWN WEIGHT SUFFICIENTLY OFTEN TO ASSURE SCALES MAINTAIN THE REQUIRED ACCURACY.

2.3 PERMANENT CHARGING BOARD

WHEN CHARGING REFRIGERANT FROM THE SHIPPING CONTAINER THROUGH THE CHARGING BOARD, THE CLEANLINESS OF LINES AND EQUIPMENT SHALL BE ESTABLISHED AND MAINTAINED AT ALL TIMES.

NEW CHARGING BOARD SYSTEMS WHICH ARE MADE UP OF PARTS THAT ARE CLEAN AS RECEIVED AND ASSEMBLED, AND WHICH INDICATE A DEW POINT OF -40°F AFTER ASSEMBLY, NEED ONLY BE FLUSHED WITH LIQUID FREON-12 UNTIL A SAMPLE FROM THE CHARGING LINE INDICATES THAT THE SYSTEM IS DRY (.0010% MAX. BY WT.) AND FREE FROM CONTAMINATION.

WHEN THE PARTS ARE OF UNKNOWN CLEANLINESS, OR WHERE INSTALLATION RESULTS IN A CONTAMINATED INTERIOR WHICH COULD NOT BE EFFECTIVELY FLUSHED, THE SYSTEM SHALL BE CHEMICALLY CLEANED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE REFRIGERANT SUPPLIER.



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ALL REFRIGERANT FROM SHIPPING CONTAINERS SHALL BE FILTERED THROUGH THE EQUIVALENT OF A SCREEN OF 100 MESH OR FINER PRIOR TO ENTERING THE AIR CONDITIONING SYSTEM.

PROPER VALVING SHALL BE PROVIDED FOR ALL CHARGING SYSTEMS, TO MAINTAIN A POSITIVE PRESSURE OF FREON-12 IN THE ENTIRE SYSTEM INCLUDING THE CHARGING LINES. DURING THE REPLACEMENT OF EMPTY CONTAINERS, ONLY THOSE LINES DIRECTLY INVOLVED SHALL BE RELIEVED OF PRESSURE AND THESE SHALL BE PURGED WHEN RECONNECTED. EXPOSURE OF THE SYSTEM TO CONTAMINANTS OR TO THE ATMOSPHERE, WILL NECESSITATE REPROCESSING IN ACCORDANCE WITH THE REQUIREMENTS FOR NEW SYSTEMS.

WHEN THE CHANGING OF CONTAINERS REQUIRES MORE THAN 5 MINUTES, THE OPEN PORTION OF THE CONNECTING LINE SHALL BE SEALED.

THE ENTIRE CHARGING SYSTEM SHALL BE PERIODICALLY CHECKED FOR LEAKAGE AND DETERIORATION OF PARTS.

THE CHARGING LINE SHALL BE HANDLED IN SUCH A MANNER SO AS TO KEEP THE END THAT IS CONNECTED TO THE REFRIGERANT SYSTEM FREE OF ANY CONTAMINATION.

ACCURACY OF THE REFRIGERANT CHARGING EQUIPMENT SHALL BE MAINTAINED WITHIN ± 2 OZS.

CHARGING BOARDS SHALL BE CHECKED PERIODICALLY FOR WEIGHT OF CHARGE DELIVERED.

AFTER ANY SHUT-DOWN PERIOD, THAT EXTENDS OVER 4 HOURS, A SHORT PURGING OPERATION OF THE LINE SHALL BE PERFORMED BEFORE CHARGING OPERATIONS ARE RESUMED.

2.4 REFRIGERANT HOSE

THE HOSE SHALL BE OF RECOMMENDED QUALITY FOR REFRIGERANT USAGE.

CAUTION DO NOT USE HOSE OF UNKNOWN QUALITY-HARMFUL MATERIALS MAY BE DISSOLVED BY THE REFRIGERANT AND ENTER THE CAR SYSTEM.

THE HOSE SHALL BE INSPECTED AT REGULAR INTERVALS FOR SWELLING, SEPARATION AT FITTINGS, SOFTENING, AND LEAKAGE. ANY EVIDENCE OF DETERIORATION OR CONTAMINATION SHALL BE CAUSE FOR REPLACEMENT.

2.5 GAUGES-VALVES-MANIFOLDS

ALL GAUGES RECEIVING PERSONAL-HANDLING, EITHER INDIVIDUALLY OR AS PART OF A MANIFOLD ASSEMBLY, SHALL BE CALIBRATED AGAINST A MASTER GAUGE SUFFICIENTLY OFTEN TO ASSURE PROPER READINGS.

GAUGES HAVING PERMANENT MOUNTING AS PART OF MAJOR EQUIPMENT, SHALL BE CHECKED AT LEAST ONCE EACH MONTH FOR ACCURACY.



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GAUGES FAILING TO ZERO WHEN EXPOSED TO ATMOSPHERIC PRESSURE, SHALL BE RECALIBRATED AND ADJUSTED, OR REPLACED.

PRESSURE GAUGES FOR FUNCTIONAL TEST

EACH PLANT SHALL HAVE CALIBRATED HIGH AND LOW PRESSURE GAUGES AVAILABLE FOR CHECKING THE OPERATING PRESSURE OF THE CAR SYSTEMS. ANY PRESSURE GAUGE ASSEMBLED PRIOR TO EVACUATION SHALL BE CAPABLE OF WITHSTANDING THE MAXIMUM VACUUM WITHOUT AFFECTING CALIBRATION.

THE LOW PRESSURE GAUGES SHALL BE MARKED IN INCREMENTS OF NOT GREATER THAN 1 P.S.I. AT THE CONTROL PRESSURE (APPROX. 30 P.S.I.G.) AND SHALL BE CAPABLE OF WITHSTANDING A PRESSURE OF 120 P.S.I.G. WITHOUT DAMAGE OR CHANGE IN CALIBRATION.

THE HIGH PRESSURE GAUGES SHALL HAVE A RANGE UP TO AT LEAST 300 P.S.I.G. AND SHALL BE READABLE TO AN ACCURACY OF 2 P.S.I.

2.6 VACUUM SYSTEM

EACH ASSEMBLY PLANT SHALL HAVE EVACUATION EQUIPMENT AVAILABLE FOR USE AS A PRE-CHARGING REQUIREMENT FOR THE OCCASIONAL REPLACEMENT OF COMPONENTS.

FOR SUCH SERVICE A VACUUM PUMP CAPABLE OF PRODUCING A VACUUM OF 28 IN. OF MERCURY WILL BE SATISFACTORY AND A PORTABLE ROTARY TYPE PUMP IS AVAILABLE.

WHERE EVACUATION OF 28 IN. HG. IS REQUIRED, A STANDARD VACUUM OR COMPOUND GAUGE CALIBRATED IN INCREMENTS NOT GREATER THAN 1 IN. HG. MAY BE USED. A MINIMUM SCALE DIAMETER OF 2-1/2 INCHES ON FULL SCALE VACUUM GAUGES AND 3 INCHES ON COMPOUND GAUGES IS RECOMMENDED.

2.7 FREON-12 LEAK DETECTOR.

DETECTION OF LEAKS IS PERHAPS THE MOST IMPORTANT CHECK OF A REFRIGERATION ASSEMBLY, AS A LEAK-FREE SYSTEM IS VITAL TO PROPER OPERATION AND LIFE. DETECTION EFFICIENCY DEPENDS UPON THE SENSITIVITY OF THE INSTRUMENT, AND THE FREEDOM OF THE SURROUNDING ATMOSPHERE FROM FREON AND OTHER CONTAMINATING VAPORS.

THE THREE COMMON TYPES OF DETECTORS INCLUDE:

ALCOHOL TORCH-SENSITIVITY 1 LB. IN 15 YEARS (APPROX)
GAS TORCH -SENSITIVITY 1 LB. IN 10 YEARS (APPROX)
G. E. ELECTRONIC DETECTOR-SENSITIVITY CAN BE VARIED AS DESIRED
TO INCLUDE 1 LB IN 40 YEARS OR HIGHER.



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EQUIPMENT FOR CHECKING LEAK DETECTORS SHALL INCLUDE THE FOLLOWING:

ALCOHOL TORCH-TEST BOMB WITH LEAKAGE 1 LB. IN 5 YEARS.
GAS TORCH -TEST BOMB WITH LEAKAGE 1 LB. IN 5 YEARS.
G.E. DETECTOR-TEST BOMB WITH LEAKAGE 1 LB. IN 5 YEARS.
-TEST BOMB WITH LEAKAGE 1 LB. IN 30 OR 40 YEARS,
DEPENDING UPON MODEL DETECTOR USED.

THE LEAK DETECTORS SHALL BE CHECKED WITH THE STANDARD TEST BOMBS HAVING CALIBRATED LEAKAGE RATES IN ACCORDANCE WITH THE SENSITIVITY DESIRED, AT LEAST ONCE EACH 4 HOURS OF USAGE.

EACH DAY, THE DETECTORS SHALL BE CHECKED FOR CLEANLINESS, AND PROPER CONDITION OF PARTS. FREEDOM OF THE PROBES AND TUBES FROM OIL AND OTHER CONTAMINANTS IS PARTICULARLY IMPORTANT.

IN THE INTEREST OF ASSEMBLING A QUALITY AIR CONDITIONING SYSTEM THAT IS LEAK FREE, AND IN MAINTAINING CUSTOMER SATISFACTION, THE G.E. ELECTRONIC DETECTOR OR EQUIVALENT, WHICH CAN BE ADJUSTED TO MEET VARYING SITUATIONS, IS RECOMMENDED.

2.8 DISCHARGE OR SALVAGE SYSTEM

WHERE THE PLANT OPERATION INVOLVES THE DISCHARGING OF FREON-12 OR FREON-12 AND NITROGEN MIXTURE FROM COMPONENTS OR SYSTEMS AT ANY TIME, MEANS SHALL BE PROVIDED TO PREVENT CONTAMINATION OF THE AREA BY CONVEYING SUCH GASES TO A SALVAGE SYSTEM OR TO SOME POINT OUTSIDE OF THE CHARGING AND LEAK TESTING AREA.

2.9 SAFETY EQUIPMENT

ALL EQUIPMENT UNDER REFRIGERANT PRESSURE, HAVING GLASS INDICATING TUBES, OR GLASS WALLED CONTAINERS, SHALL BE PROPERLY PROTECTED TO PREVENT INJURY OF PERSONNEL IN CASE OF BREAKAGE.

ALL PERSONNEL MAKING REFRIGERANT CONNECTIONS, CHARGING REFRIGERANT, OR OPENING COMPONENTS OR SYSTEMS UNDER PRESSURE, SHALL WEAR GOGGLES OR EQUIVALENT PROTECTION TO PROTECT THE EYES FROM LIQUID REFRIGERANT.

PRESSURE RELIEF VALVES SHALL BE PROVIDED FOR ALL PERMANENT CONTAINERS AND/OR SYSTEMS IN ACCORDANCE WITH THE SUPPLIERS RECOMMENDATIONS AND THE LOCAL CODES.

2.10 TORQUE WRENCHES

IN THE DESIGN OF REFRIGERANT CONNECTIONS, PARTICULAR ATTENTION HAS BEEN GIVEN THE SEALING OF THE JOINTS AGAINST ANY FREON-12 LEAKAGE.



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AND THE EASE OF ASSEMBLY OR ATTACHMENT. TO PREVENT DISTORTION OF PARTS FROM OVERTIGHTENING, AND MAINTAIN SUFFICIENT STABILITY OF THE JOINT, PROPER TORQUE FIGURES ARE INDICATED ELSEWHERE IN THESE INSTRUCTIONS.

2.11 REFRIGERANT OIL

ONLY FRIGIDAIRE SPECIFICATION 961-A, 525 VISCOSITY REFRIGERANT OIL SHALL BE USED. IT HAS BEEN HIGHLY REFINED, AND SEALED AGAINST MOISTURE IN THE ORIGINAL CONTAINER, AND SHALL NOT BE TRANSFERRED TO ANY OTHER CONTAINER FOR STORAGE.

AT NO TIME, OTHER THAN WHEN POURING, SHALL THE OIL BE ALLOWED TO REMAIN UNCAPPED OR LOOSELY CAPPED.

IN INSTANCES WHERE IT IS NECESSARY TO TRANSFER OIL FROM THE ORIGINAL CONTAINER, ONLY CLEAN, DRY GRADUATED VESSELS SHALL BE USED. ANY EXCESS OIL POURED FROM THE ORIGINAL CONTAINER SHALL BE DISCARDED.

USE ABOVE REFRIGERATION OIL 12 a WHENEVER REQUIRED TO REFILL COMPRESSOR OR LUBRICATE HOSES, ETC., FOR INSTALLATION & REPAIR PURPOSES.

3.0 OPERATIONAL REQUIREMENTS AND PROCEDURES

3.1 COMPONENTS

ALL COMPONENTS SHALL REMAIN IN THEIR SHIPPING CONTAINERS UNTIL PREPARATION FOR ASSEMBLY.

REFRIGERANT PASSAGES SHALL REMAIN SEALED AT ALL TIMES UNTIL FINAL ASSEMBLY, TO INSURE REQUIRED DRYNESS AND CLEANLINESS. AN EXCEPTION IS PERMISSIBLE FOR MOMENTARY CHECKING OF CHARGED EVAPORATOR FOR PRESSURE.

DUE TO THE ATTRACTION OF THE DRYING MATERIALS FOR MOISTURE, IT IS PARTICULARLY IMPORTANT THAT RECEIVER-DEHYDRATORS BE POSITIVELY SEALED AT ALL TIMES.

ALL COMPONENTS SHALL BE HANDLED IN SUCH A MANNER AS TO INSURE MAXIMUM PROTECTION FROM DISTORTION, AND OR PHYSICAL DAMAGE WITH SPECIAL CONSIDERATION TO THE FOLLOWING:

COMPRESSORS-DO NOT SET ON END OR SUBJECT TO SHOCK AT ANY TIME-KEEP IN A HORIZONTAL POSITION.

TUBES AND HOSE- DO NOT KINK, TWIST, DEFORM OR USE FOR HAND HOLDS FOR LIFTING SUB-ASSEMBLY. ALL HOSE PLUGS & LINE



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CAPS ARE TO BE IN PLACE UNTIL IMMEDIATELY PRIOR TO MAKING A JOINT. IF A CAP HAS BEEN REMOVED FOR LONGER THAN 10 MINUTES PRIOR TO ASSEMBLY THE LINE MUST BE FLUSHED WITH FREON & RE-CAPPED.

FITTINGS AND CONNECTORS-PROTECT AGAINST DAMAGE TO THE THREADS.

PLASTIC PARTS-PROTECT AGAINST STRAINS AND SHOCK DURING ASSEMBLY.

VALVES- THERMOBULB ON EXPANSION VALVES SHALL NOT BE EXPOSED TO TEMPERATURE ABOVE 150° F. CARE SHALL BE TAKEN TO PROTECT CAPILLARY TUBES AGAINST ANY BENDING, DROPPING OR NICKING THAT MIGHT CAUSE RUPTURE OF THE TUBE.

CONTROL AND ACTUATING

KNOBS AND LEVERS-DO NOT DISTORT IN ANY MANNER.

SUB-ASSEMBLIES-ALWAYS GRASP IN SOLID BODY PORTION FOR LIFTING.

3.1.1 REJECTED COMPONENTS

REJECTED COMPONENTS AND PARTS SHALL BE PROPERLY IDENTIFIED FOR REASON OF REJECTION, AND SEALED AS NECESSARY, WHEN RETURNED TO THE INSPECTION DEPARTMENTS SALVAGE AREA FOR DISPOSITION.

3.1.2 ROTATION OF STOCK

STOCK WITH EARLIEST RECEIVING DATE SHALL BE USED FIRST FOR ASSEMBLY OPERATIONS IN ORDER TO KEEP STOCK UP TO DATE.

3.2 ASSEMBLY

ANY EVIDENCE OF INTERNAL MOISTURE, CORROSION OR CONTAMINATION WHEN ASSEMBLIES ARE OPENED FOR INSTALLATION WILL BE REASON FOR REPLACING.

3.3 EVACUATION AND CHARGING

ALL FITTINGS USED IN EVACUATION AND CHARGING SHALL BE OBSERVED FOR CLEANLINESS,

3.3.1 VAPOR CHARGING FROM SHIPPING CYLINDERS

WHEN FREON-12 IS CHARGED DIRECTLY INTO THE CAR SYSTEM FROM THE SHIPPING CYLINDER, THE CYLINDER SHALL BE PLACED UPRIGHT ON SCALES FOR PROPER WEIGHING. A CONTAINER OF WARM WATER IS RECOMMENDED FOR HEATING THE CYLINDER. UNDER NO CIRCUMSTANCES SHALL THE REFRIGERANT CYLINDER BE HEATED ABOVE 125° F.



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PRELIMINARY

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THE CHARGE SHALL BE ACCURATELY CONTROLLED BY CLOSE OBSERVANCE OF THE CHANGE OF WEIGHT IN THE CONTAINER AS THE CHARGE IS DRAWN INTO THE SYSTEM WITH THE ENGINE OPERATING AT APPROXIMATELY 1500 R. P. M.

THE SYSTEM SHALL THEN BE LEAK TESTED

3.4 LEAK TESTING

3.4.1 GENERAL REQUIREMENTS

THE COMPLETELY ASSEMBLED SYSTEM SHALL BE LEAK TESTED WITH A CALIBRATED G. E. ELECTRONIC LEAK DETECTOR, OR EQUIVALENT, AT ALL LINE JOINTS, FITTINGS AND SIGHT GLASS; COMPRESSOR HEAD, SERVICE VALVES AND SEAL; AND AT THE HOT GAS VALVE STEM AND DOME SEAL.

ALL JOINTS AND FITTINGS SHALL BE FREE OF EXCESS OIL TO ELIMINATE THE POSSIBILITY OF FALSE READINGS CAUSED BY FREON-12 ABSORPTION IN THE OIL.

WHERE JOINTS ARE RETIGHTENED TO ELIMINATE LEAKAGE, OR WHERE THERE IS A POSSIBILITY OF ENTRAPPED FREON-12 AT OR NEAR THE JOINT IN QUESTION, USE COMPRESSED AIR TO BLOW ALL POSSIBLE ACCUMULATION OF REFRIGERANT GAS FROM THE AREA CONCERNED.

LEAK TESTING SHALL BE DONE IN A PLACE WHERE THERE IS ADEQUATE VENTILATION OR REPLACEMENT OF FRESH AIR TO KEEP THE ATMOSPHERE FREE OF FREON-12 AND OTHER CONTAMINATING VAPORS.

AT NO TIME SHALL THE LEAK TEST BE PERFORMED WITH THE ENGINE OPERATING OR WITH EXCESSIVE MOVEMENT OF AIR OVER THE COMPONENTS.

SINCE FREON-12 GAS IS HEAVIER THAN AIR, IT WILL BE NECESSARY TO INCLUDE THE MOVEMENT OF THE PROBE TO THE LOWEST POINT OF ALL FITTINGS AND JOINTS WHEN LEAK TESTING.

THE SENSING ELEMENT OF THE LEAK DETECTOR SHALL BE CLEARED OF ANY CONTAMINATING ATMOSPHERE BEFORE EACH USAGE. EXPOSURE TO A SOURCE OF UNCONTAMINATED AIR OR NITROGEN MAY BE NECESSARY.

FALSE READINGS OR REACTIONS MAY RESULT IF THE DETECTOR IS SUBJECTED TO ATMOSPHERES WHERE SOLVENTS OR VOLATILE COMPOUNDS CONTAINING HALIDES (FLUORINE, BROMINE, CHLORINE AND IODINE) ARE PRESENT. CIGARETTE SMOKE MAY ALSO GIVE A FALSE REACTION.

3.4.2 FINAL LEAK TEST



WITH THE SYSTEM CHARGED WITH THE SPECIFIED AMOUNT OF FREON-12 A FINAL TEST SHALL BE MADE FOR LEAKS.

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3.4.3

LEAK TEST LIMITS

EXCEPT AS NOTED, ALL LINES, CONNECTIONS AND SYSTEM COMPONENTS SHALL BE FREE OF LEAKAGE WITH A SENSITIVITY CALIBRATION OF 1 LB. IN 30 OR 40 YEARS, DEPENDING UPON THE MODEL OF DETECTOR USED.

THE COMPRESSOR SEAL, HOT GAS VALVE STEM, AND SIGHT GLASS SHALL SHOW NO LEAKAGE WITH A SENSITIVITY CALIBRATION OF 1 LB IN 5 YEARS.

THE SELF-SEALING COUPLINGS AND SHUT-OFF VALVE SEATS OF CHARGED COMPONENTS, AS RECEIVED, SHALL SHOW NO LEAKAGE WITH A SENSITIVITY CALIBRATION OF 1 LB IN 5 YEARS. THE JOINTS SHALL BE CLEARED OF ANY ACCUMULATED FREON-12 PRIOR TO LEAK TEST.

3.5

FUNCTIONAL TESTS

PERFORMANCE TEST SHALL BE RUN WITH INLET AIR TEMPERATURES OF 70° F OR ABOVE AND WITH THE BY-PASS VALVE LEVER IN THE COLDEST POSITION. THE CAR HEATER SHALL BE IN THE OFF POSITION, AND THERE SHALL BE NO AIR LEAKAGE FROM THE HEATER DUCT.

CLOSE ALL CAR DOORS AND WINDOWS.

START ENGINE AND SET CARBURETOR TO RUN AT 1500 R. P. M., SET AIR CONDITIONING CONTROL TO COLDEST POSITION, BLOWER TO HIGH SPEED, ALLOW ENGINE TO OPERATE FOR APPROXIMATELY 5 MINUTES.

DURING THE PERFORMANCE TEST, THE SIGHT GLASS SHALL BE OBSERVED SEVERAL TIMES FOR A CLEAR COLUMN OF LIQUID. THE OCCURENCE SLOW MOVING GAS, BUBBLES OR A BROKEN COLUMN DUE TO THE CYCLING OF THE COMPRESSOR, FOR SHORT PERIODS DURING NORMAL OPERATION SHOULD NOT BE CONSIDERED AN INDICATION OF REFRIGERANT SHORTAGE, IF SIGHT GLASS IS GENERALLY CLEAR AND PERFORMANCE IS SATISFACTORY.

IF SIGHT GLASS CONSISTENTLY SHOWS FOAMING OF A BROKEN LIQUID COLUMN, IT SHALL BE OBSERVED DURING A RISE IN HEAD PRESSURE OBTAINED BY PARTIALLY BLOCKING THE AIR TO THE CONDENSER. IF UNDER THIS CONDITION, THE SIGHT GLASS CLEARS AND THE PERFORMANCE IS OTHERWISE SATISFACTORY, THE CHARGE SHALL BE CONSIDERED ADEQUATE.

THE ELECTRICAL CIRCUIT OF THE AIR CONDITIONING SYSTEM SHALL BE CHECKED BY THE OPERATION OF THE BLOWER AT THE VARIOUS SPEEDS AND THE ENGAGEMENT OF THE COMPRESSOR CLUTCH.

THE OPERATION OF AIR VALVE AND TEMPERATURE CONTROLS SHALL BE CHECKED TO INSURE PROPER FUNCTIONING.

USING A TEMPERATURE TEST METER WITH A DIAL READING OF 0° TO 120° F. AND AT LEAST A TWO STATION SELECTOR SWITCH AND TWO JACKS WITH 12-1/2 FEET OF BULB WIRE, WE CAN CHECK TEMPERATURES AT



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TWO DIFFERENT POINTS BY MERELY TURNING THE SELECTOR SWITCH WITH THE TWO LEADS CONNECTED TO THE METER, THE FREE END OF NUMBER ONE SHOULD BE PLACED IN THE RIGHT HAND DISCHARGE NOZZLE AND NUMBER TWO IN THE RECIRCULATING AIR OPENING IN THE AIR DUCT. THE FOLLOWING READINGS INDICATE SATISFACTORY OPERATION, WITH RETURN AIR BETWEEN 70° AND 100° F.

MINIMUM R.H. OUTLET TEMPERATURE 35°

MAXIMUM R.H. OUTLET TEMPERATURE 45°

IF PRESSURE DROPS BELOW 35°, HOOK UP GAUGE SET TO THE COMPRESSOR.

IF OUTLET TEMPERATURE IS ABOVE 45° SEE SERVICE MANUAL FOR PROCEDURE.

AS RETURN AIR TEMPERATURE RISES TOWARD 100° OUTLET TEMPERATURE MAY BE EXPECTED TO REISE TOWARD THE 45° LEVEL.

THE SUCTION PIPE OUT OF THE EVAPORATOR HOUSING SHALL BE COLD TO THE TOUCH.

THE CLUTCH SHALL ENGAGE AND DISENGAGE RAPIDLY AND POSITVELY WHEN THE SYSTEM IS TURNED OFF AND ON SEVERAL TIMES AT BOTH IDLING AND 1500 to 2000 COMPRESSOR R. P.M.

3.6 COMPONENT REPLACEMENT

THE SYSTEM MUST BE DRAINED OF FREOM PRIOR TO BREAKING ANY JOINT, SYSTEM MAY BE BLED THRU THE GAUGE SET. CAUTION Bleed slowly to prevent loss of compressor oil charge.

3.6.1 COMPRESSOR AND CLUTCH ASSEMBLY.

THE COMPRESSOR REMOVED SHALL BE CLOSED IMMEDIATELY WITH THE PROPER SHIPPING PLATES OR VALVES.

IF THE ORIGINAL COMPRESSOR THAT IS BEING REPLACED, HAS NOT BEEN RUN, THE REPLACEMENT COMPRESSOR WILL HAVE A FULL OIL CHARGE. IF THE SYSTEM HAS BEEN OPERATED, SOME OIL WILL HAVE CIRCULATED FROM THE COMPRESSOR TO THE OTHER COMPONENTS. IT WILL THEN BE NECESSARY TO DRAIN FROM THE REPLACEMENT COMPRESSOR AN AMOUNT EQUAL TO THE DIFFERENCE BETWEEN THE FULL CHARGE AND THE TOTAL AMOUNT DRAINED FROM THE CRANKCASE AND HEAD OF THE COMPRESSOR REMOVED.



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3.5.1 (CONTINUED)

INSTALLATION OF THE NEW COMPRESSOR AND CLUTCH ASSEMBLY SHALL BE MADE IN THE PRESCRIBED MANNER, WITH THE COMPRESSOR BEING PURGED OR EVACUATED IN ACCORDANCE WITH THE ESTABLISHED PROCEDURE. ADD FREON-12 AS NECESSARY TO MAINTAIN A CLEAR SIGHT GLASS AS EXPLAINED IN SECTION 3.5.

4.0

GENERAL INFORMATION

4.1

SYSTEM CHEMISTRY

1. DO NOT ALLOW DIRT, AIR, OR MOISTURE TO ENTER ANY PART OF THE SYSTEM AT ANY TIME. VISIBLE MOISTURE EVEN ONE DROP IN A PART OR COMPONENT, IS CAUSE FOR REJECTION.
2. MAKE CERTAIN THAT ANY ADDITIONS OF OIL, REFRIGERANT, OR REPLACEMENT COMPONENTS ARE MADE WITH APPROVED MATERIALS WHICH HAVE BEEN PROPERLY HANDLED TO PRESERVE THEIR ORIGINAL SPECIFIED CONDITION AND QUALITY.
3. MATERIALS OR COMPONENTS OF QUESTIONABLE CONDITION OR QUALITY, SHOULD BE HELD UNTIL PROOF OF THEIR ACCEPTABILITY HAS BEEN ESTABLISHED.

EVALUATION AND COMPLETE RECHARGING OF SYSTEMINSTALLING GAUGE SET

1. WITH ENGINE STOPPED, REMOVE CAPS FROM HIGH AND LOW PRESSURE SCHRAEDER FITTINGS.
2. CONNECT GAUGE LINES TO SCHRAEDER FITTINGS.
3. PURGE AIR AND MOISTURE FROM GAUGE LINES BY THE FOLLOWING METHOD:
 - (A) Uncap the center line gauge set slightly.
 - (B) Allow gas to hiss thru the centerline cap for 3 seconds.
 - (C) Tighten cap on the gauge centerline and close the high side gauge valve.
 - (D) Follow the same procedure for the low pressure gauge valve.



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DATE, REL 2-18		L-		L-							
				E17.							
				SHEET							

1965-204



CHEVROLET

ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIE

PURGING THE SYSTEM

1. WITH ENGINE STOPPED INSTALL HIGH AND LOW PRESSURE GAUGE OUTLETS ON COMPRESSOR.
2. WITH PLUG REMOVED FROM THE CENTER LINE ON THE GAUGE MANIFOLD, OPEN HIGH PRESSURE GAUGE VALVE AND DISCHARGE THE VAPOR SLOWLY THROUGH THE CENTER CONNECTION.

CAUTION DO NOT OPEN VALVES TOO MUCH OR COMPRESSOR OIL MAY BE DISCHARGED WITH THE FREON. A RAG WRAPPED AROUND THE END OF THE CENTER GAUGE LINE WILL PREVENT THE SPLASHING OF OIL IN THE EVENT OF ACCIDENTAL RAPID DISCHARGE.

3. WHEN THE PRESSURE IS REDUCED TO BELOW 100 POUNDS ON THE HIGH PRESSURE GAUGE OPEN THE LOW PRESSURE GAUGE VALVE AND CONTINUE DISCHARGING UNTIL ALL REFRIGERANT HAS BEEN RELEASED OR THE PRESSURE DOES NOT EXCEED 5 POUNDS. CLOSE BOTH GAUGE VALVES.

EVACUATING AND CHARGING THE SYSTEM

1. OPEN HIGH AND LOW PRESSURE GAUGE VALVE.

CAUTION SHUTOFF VALVE AT VACUUM PUMP MUST BE CLOSED. IF PRESSURE ENTERS PUMP, COVER MAY BLOW OFF.

2. START THE VACUUM PUMP AND SLOWLY OPEN THE HAND SHUTOFF VALVE AT THE PUMP TO AVOID FORCING OIL OUT OF THE PUMP. A VACUUM IS NOW BEING DRAWN ON BOTH THE HIGH AND LOW PRESSURE SIDES OF THE SYSTEM AT THE SAME TIME.

NOTE IF OIL IS BLOWN FROM THE VACUUM PUMP, IT SHOULD BE REFILLED TO PROPER LEVEL WITH FRIGIDAIRE 150 VISCOSITY OIL.

3. OPERATE THE PUMP TO OBTAIN APPROX. 28" *VACUUM AND HOLD FOR 10 MINUTES. IF APPROX 28" *VACUUM CANNOT BE OBTAINED, CLOSE THE SHUTOFF VALVE AT THE PUMP AND STOP THE PUMP. NOTE THE LOW PRESSURE GAUGE TO SEE IF THE VACUUM HOLDS. IF THE VACUUM HOLDS, THE PUMP OR GAUGE MAY BE FAULTY. IF VACUUM WILL NOT HOLD, OPEN REFRIGERANT CYLINDER VALVE TO CHARGE SYSTEM TO CYLINDER PRESSURE AND CHECK SYSTEM AND GAUGE HOOKUP FOR LEAKS WITH LEAK DETECTOR. AFTER LOCATING LEAK, DISCHARGE SYSTEM OF FREON, REPAIR LEAK AND REPEAT OPERATION TO OBTAIN APPROX 28" *VACUUM FOR 10 MINUTES.

*LOWER THIS FIGURE 1" FOR EVERY
1000 FEET ABOVE SEA LEVEL.

CHEVROLET MOTOR DIVISION, GMC		UPC	DATE	SYN	REVISION RECORD	AUTH.	DR	CK
AIR CONDITIONING- GENERAL SPECS & PROCEDURES			C64					
10100-500			E18.					
DWG. PREL. 2-18	FM	REF: PREL. E13	L-	L-				
DATE. REL. 2-18		L-	L-	L-	<input checked="" type="checkbox"/> SHEET			



CHEVROLET

ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

EVACUATING AND CHARGING THE SYSTEM (CONTINUED)

5. CLOSE HAND SHUTOFF VALVE AT VACUUM PUMP, STOP PUMP AND OBSERVE LOW PRESSURE GAUGE TO SEE THAT 28" (CORRECTED IF NECESSARY) OF VACUUM HOLDS FOR 3 MINUTES. IF VACUUM HOLDS OR IF ANY LEAKS FOUND HAVE BEEN REPAIRED, PROCEED WITH STEP 6.
6. OPEN THE FREON CONTAINER VALVE TO CHARGE THE SYSTEM TO FREON CYLINDER PRESSURE, THEN CLOSE VALVE.
7. CLOSE GAUGE VALVES. THE SYSTEM IS NOW READY FOR A COMPLETE CHARGE. DO NOT REMOVE THE GAUGE CONNECTIONS BUT PROCEED WITH THE CHARGING OPERATION.

CHARGING OPERATION

1. OPEN LOW PRESSURE GAUGE VALVE.
2. OPEN THE VALVE WIDE ON THE CHARGING BOARD. FREON-12 VAPOR UNDER PRESSURE WILL FLOW INTO THE SYSTEM WITHOUT OPERATING THE COMPRESSOR. THIS SHOULD NOT EXCEED AMOUNT SPECIFIED.* CLOSE LOW PRESSURE VALVE IN GAUGE SET AT FREQUENT INTERVALS TO BE CERTAIN PRESSURE IN THE LOW SIDE IS ALWAYS MAINTAINED ABOVE 12 LBS.

NOTE IF IT IS NOT POSSIBLE TO CHARGE THE ENTIRE AMOUNT* BY THIS METHOD THEN OPERATE THE ENGINE AND COMPRESSOR AT 1000 R. P. M. MINIMUM TO COMPLETE THE CHARGING OPERATION. ENGAGE COMPRESSOR IN USUAL WAY. THE PULLEY NUT ON THE END OF THE COMPRESSOR SHAFT WILL ROTATE WITH THE COMPRESSOR ENGAGED.

3. WHEN SPECIFIED AMOUNT* OF FREON HAS ENTERED THE SYSTEM, CLOSE THE FREON CONTAINER VALVE AND THE LOW PRESSURE GAUGE VALVE, THE ENGINE CAN BE OPERATED AT 1500 R. P. M. TO OBSERVE HIGH AND LOW PRESSURE GAUGES AS WELL AS SIGHT GLASSES AND GENERAL PERFORMANCE OF THE SYSTEM.
4. STOP ENGINE
5. REMOVE THE GAUGE SET, REPLACE CAPS ON SCHRAEDER FITTINGS.



* SECT. 14: 13a

CHEVROLET MOTOR DIVISION, GMC				UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
AIR CONDITIONING- GENERAL SPECS & PROCEDURES				C 64						
10100-500				E19.						
DWG. PREL 2-18	F/M	REF: Prod. E14 L-	L-	SHEET	<input checked="" type="checkbox"/>					
DATE: REL 2-18		L- L-	L-							



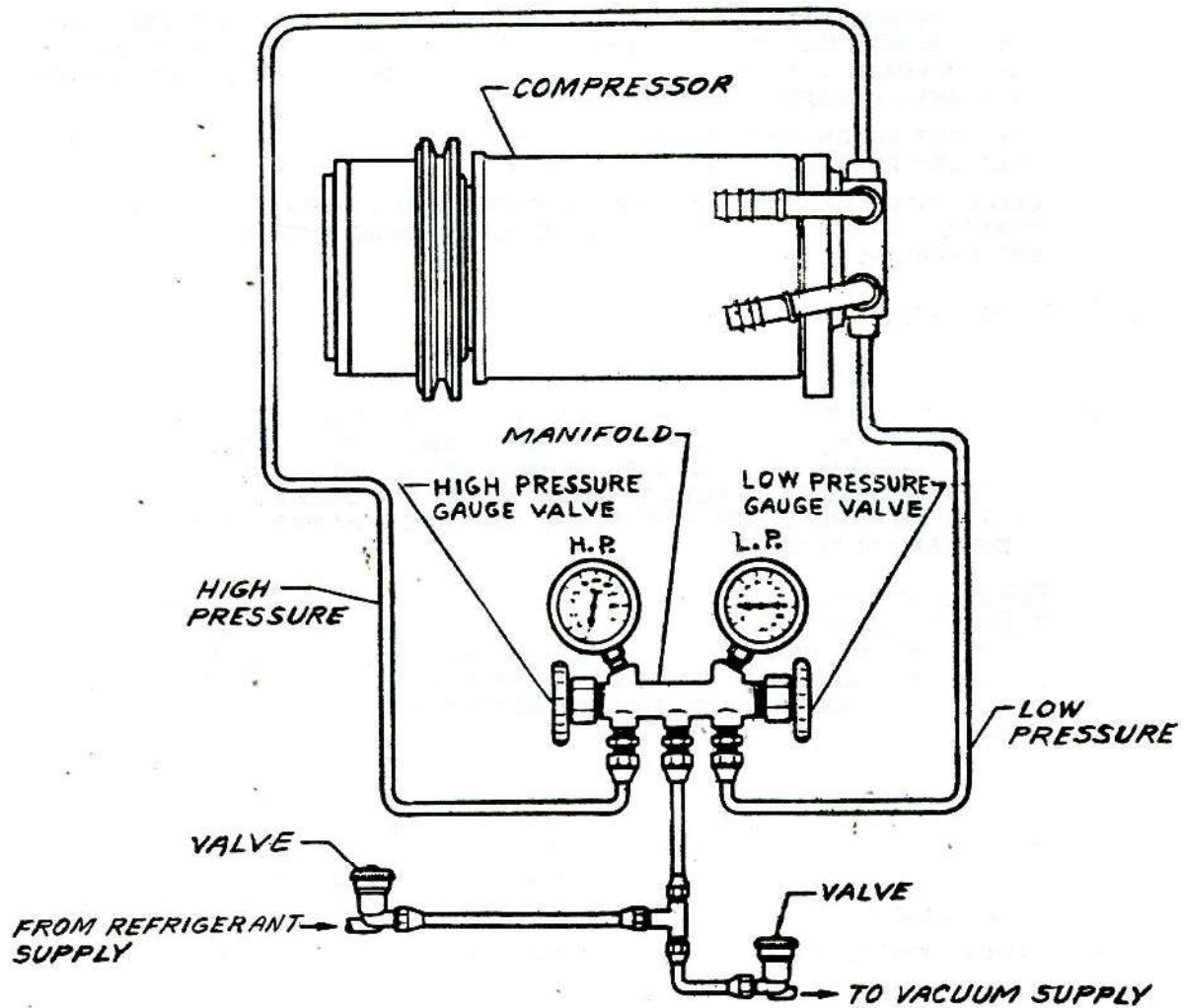
CHEVROLET

ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

EVACUATING & CHARGING EQUIPMENT (EXAMPLE ONLY)

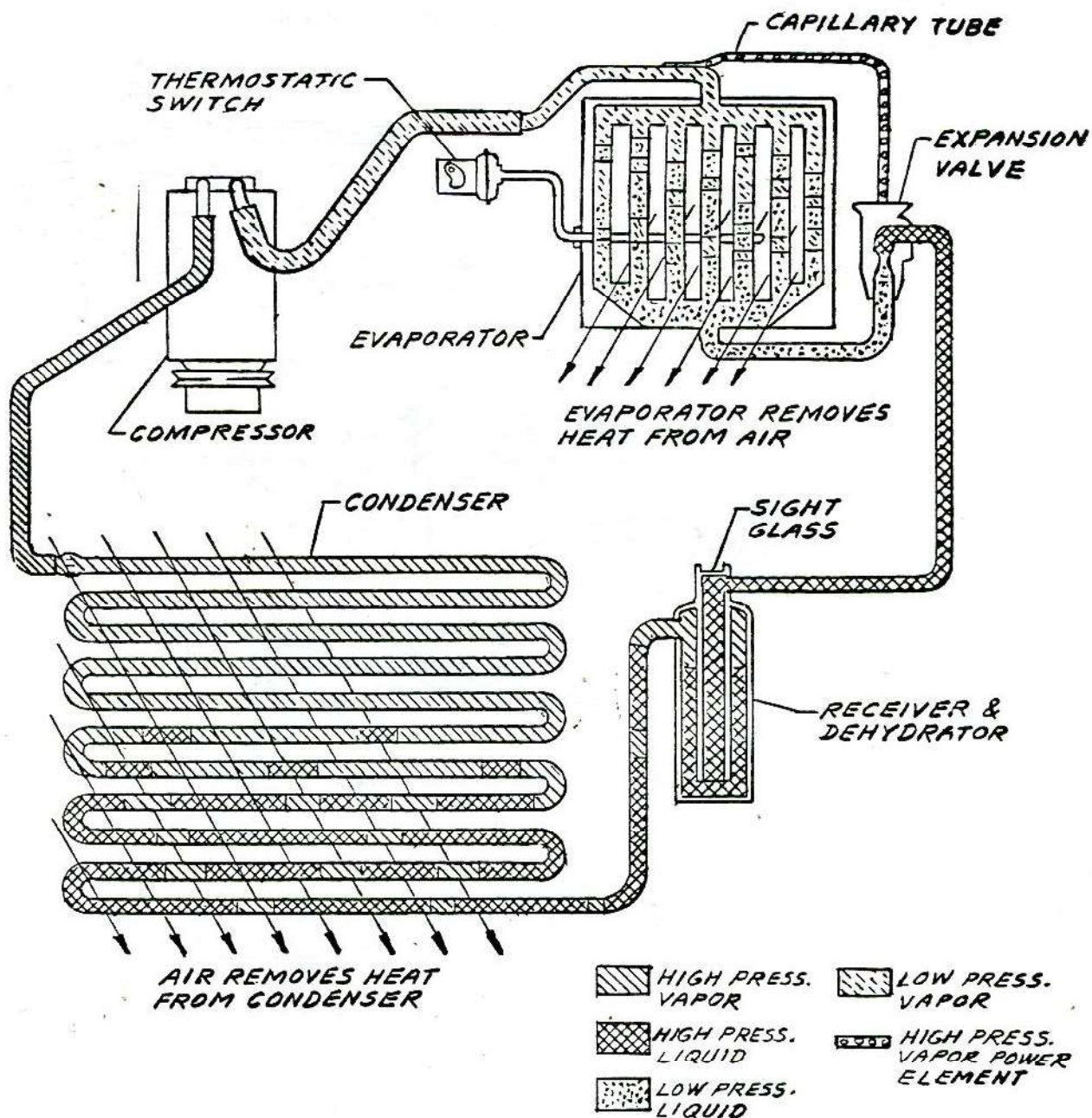


CHEVROLET MOTOR DIVISION, GMC				UPC	DATE	SYN	REVISION RECORD	AUTH	DR	CK
AIR CONDITIONING- GENERAL SPECS & PROCEDURES				C 64						
10100-500				E20.						
DWG. REL. 2-18 FM	REF: Prel. E15	L-	L-							
DATE REL. 2-18	L-	L-	L-							

1965-207

FIG. 1

REFRIGERATION CIRCUIT



• CHEVROLET MOTOR DIVISION, GMC •				UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
AIR CONDITIONING- GENERAL SPECS & PROCEDURES				C 64						
10100-500				E21.						
DWG. PREL. 2-18	FM	REF: Prel. E16	L-							
DATE-REL. 2-18			L-							
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5 11 5 1 0 1 1

+

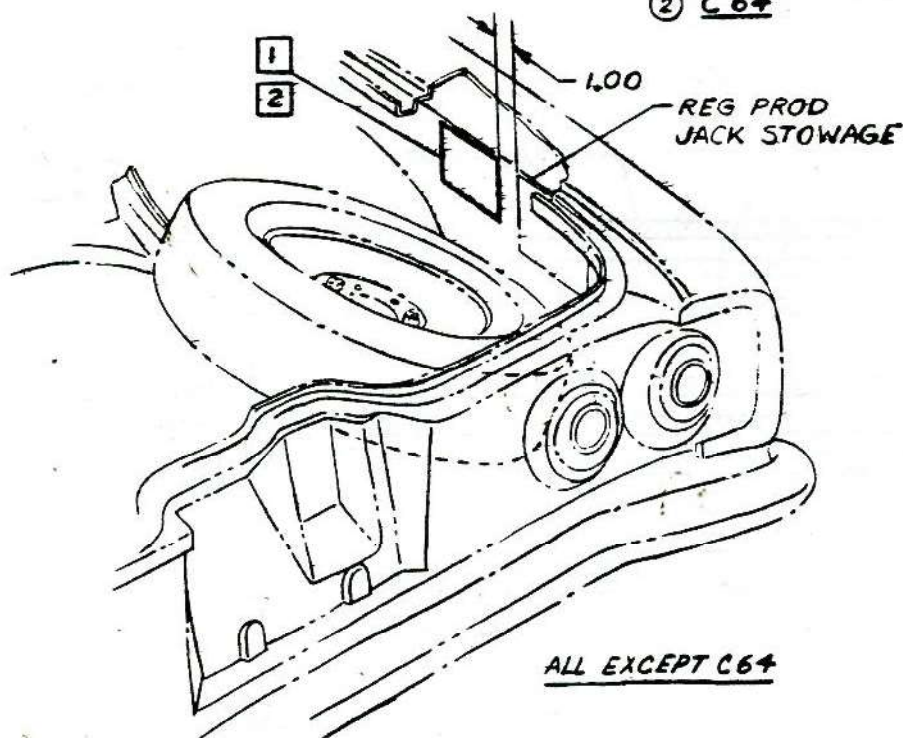
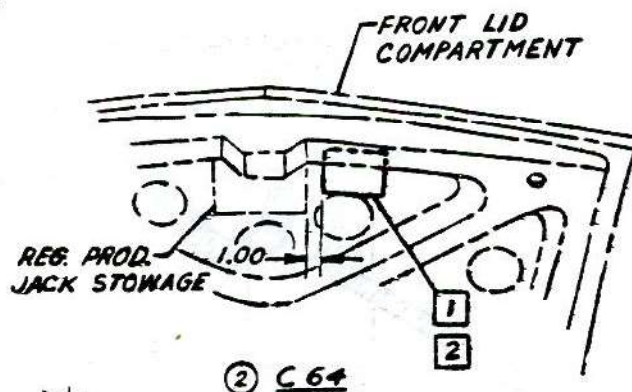
ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

- 1 3745926 CAUTION STICKER
- ③ 2 9985105 CEMENT (9.75 LBS. PER 1000 JOBS)

- 10a ① 3863425 CARRIER ASM (3.27) ①
- ① 3863426 (3.55) 10000-WITH G95 OR C64
- ① 3863423 TRANS & DIFF CARRIER ASM EXCEPT 10700-WITH M35
- ① 3863424 WITH G95 OR L62 AND OR C64, M35



CHEVROLET MOTOR DIVISION, GMC				UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
DIFFERENTIAL CARRIER POSITRACTION				G81	6-18-64	1	"EXCEPT 10700" REMOVED	64354	CS	HB
					6-25-64	2	C64 VIEW ADDED		CK	
						3	WAS 3686425 CEMENT	64874		HB
10000				1.						
DWG PREL 4-24	CS	REF: Prel. /	L-	L-						
DATE REL 4-24		L-	L-	L-						
				SHEET						

ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

SHEET

TITLE

1. CONTENTS-TURBO-CHARGER
- ☐ A 2. ENGINE SHIELDS & SHROUD
- ☐ B 3. HEATER & DEFROSTER HOSES
- ☐ C 4. DECALCOMANIA, INDUCTION PIPE, CARBURETOR & A/CL
- ☐ D 5. FUEL FILTER, FUEL & CHOKE PIPES
- ☐ E 6. TURBO CHARGER INLET & OUT-LET PIPES
- ☐ F 7. CLOSED ENGINE POSITIVE VENTILATION & OIL OUTLET PIPE

SHEET

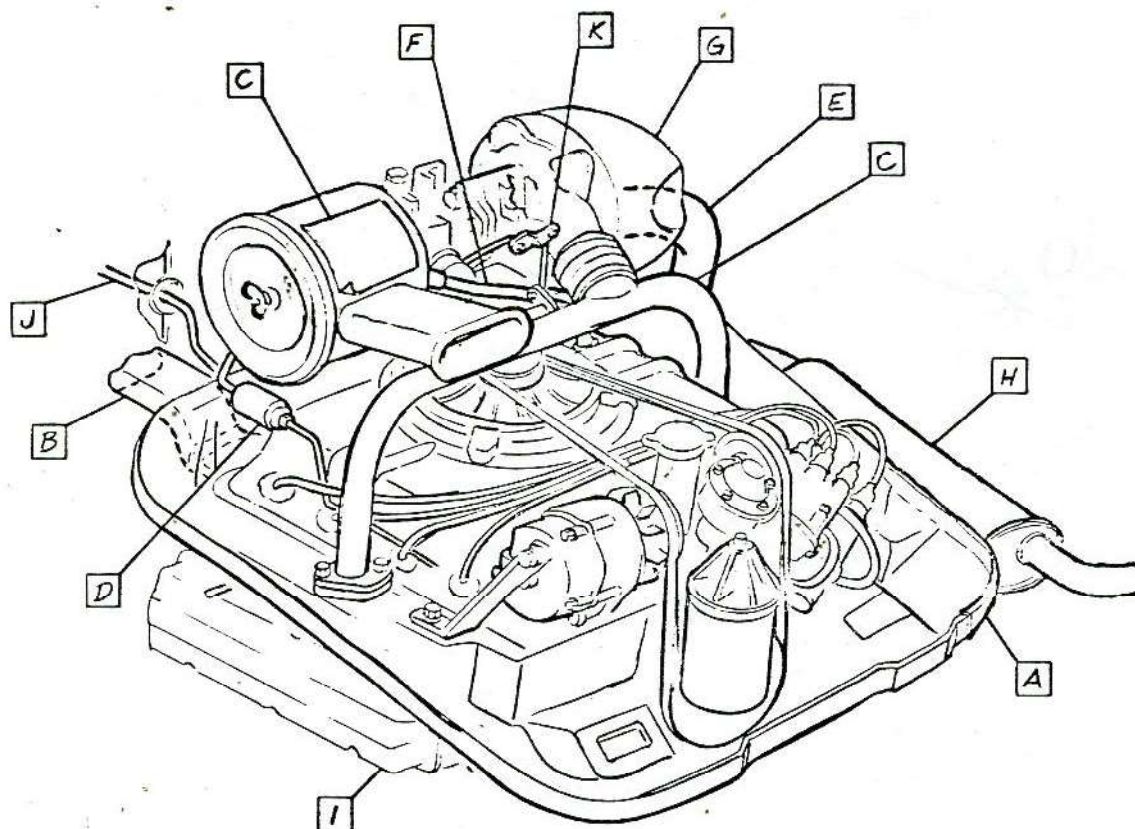
TITLE

- | | | | |
|----------|-----|--|-----|
| G | 8. | HEAT SHIELD | |
| H | 9. | EXHAUST SYSTEM | |
| J | 10. | FUEL & FUEL RETURN LINES | |
| | 11. | VACUUM GAGE HOSE, FUEL & FUEL RETURN LINES | (1) |
| K | 12. | CARBURETOR CROSS SHAFT LINKAGE | |
| L | 13. | TEMPERATURE WARNING BUZZER | (3) |

Ⓢ THE FOLLOWING PARTS ARE INSTALLED THE SAME AS REGULAR PRODUCTION 10700.

3854338 PLATE-NAME

④ 1 3873875 ENGINE ASM (AS SHIPPED) ⑤



CHEVROLET MOTOR DIVISION, GMC		UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
URBO-CHARGER-CONTENTS			L87	7-22-64	1	TITLE REVISED	63587	GV
					2	NON-ILLUS. PARTS ADDED	64722	
10700			1.	10-16-64	3	SHEET 13 ADDED	64821	GV GF
					4	WAS 3857861 ENGINE	65236	GV GF
DWG PREL. 5-14 DATE REL. 5-14			1.	12-14-64	5	WAS 3873907 ENGINE	65521	BR CI
REF: Prel. 10 L-60024 L-								
L- L- L-								
SHEET X								

1965-210



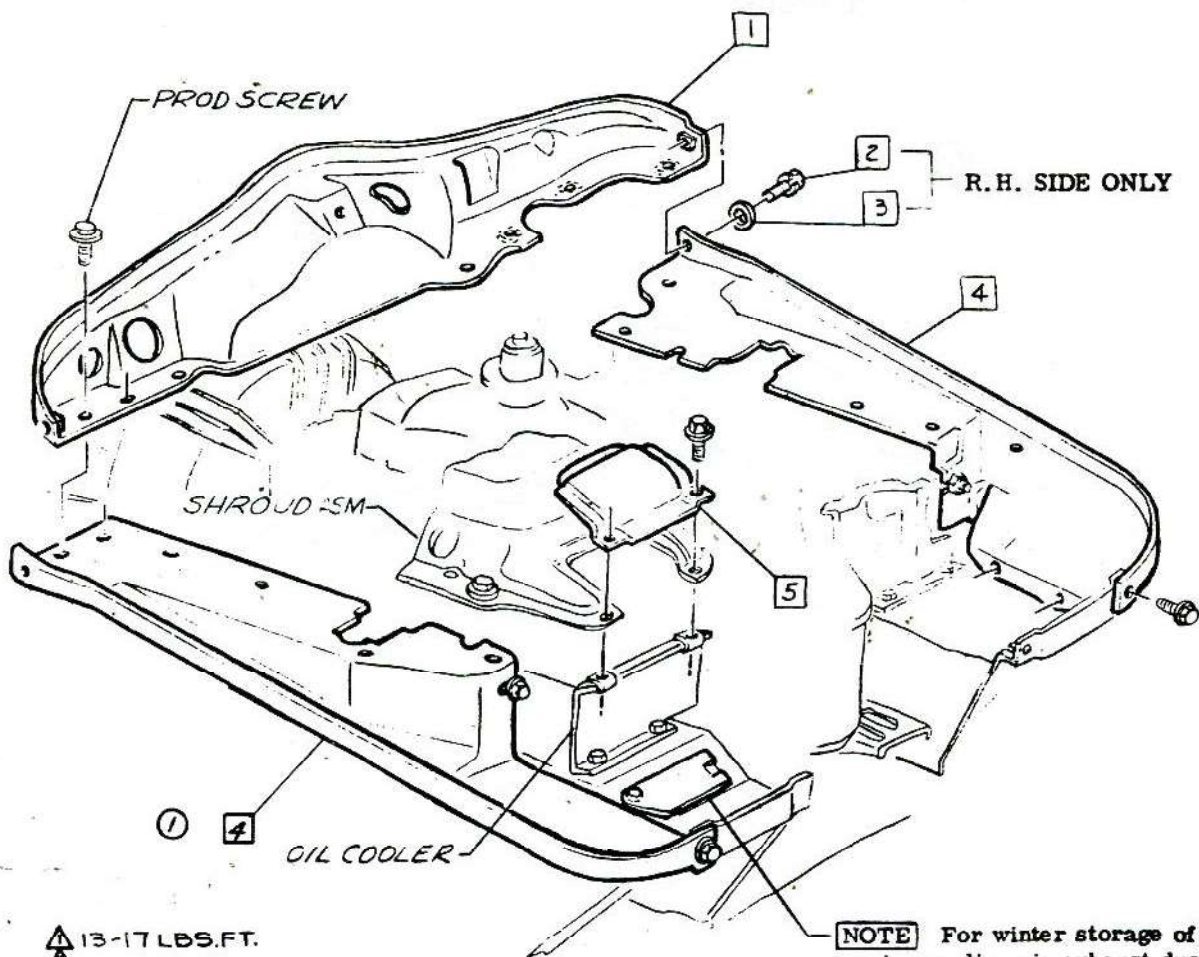
CHEVROLET

ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

- 1 3851980 SHIELD ASM-ENG FRT
- 1 2 9409107 SCREW
- 3 120392 P. WASHER
- 1 4 3851982 SHIELD ASM-ENG SIDE R.H.
- 2 3851889 L.H.
- 5 3848396 COVER-OIL COOLER ACCESS



13-17 LBS.FT.

NOTE For winter storage of engine cooling air exhaust duct cover - See U.P.C. 6

CHEVROLET MOTOR DIVISION, GMC				UPC	DATE	SYM	REVISION RECORD	AUTH	DR	CK
TURBO-CHARGER-ENGINE SHIELDS & SHROUD				L87	9-22-64	1	UPC 6 REF REMOVED	66467	JB	
10700						2	3851889 LH ADDED			DF
DWG PREL 5-15	JB	REF: Prel. 11	L-730361-	2.						
DATE REL 5-15		L-	L- L-	<input checked="" type="checkbox"/> SHEET						



CHEVROLET

ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

- ① 1 3851894 SHROUD ASM
① ② 2 3869520 CLAMP-Position ends of clamp
3/8 to 1/2 inches away from
sheet metal to avoid conditions
which might cause vibration.
③
②
3
4 3863667 HOSE
5 3817560 CONNECTOR ASM-R. H.

- 6 3817562 SEAL-R. H.
7 9417227 RIVET
8 3851897 CONNECTOR



NOTE Flatten heat shield to provide installed clearance for turbo inlet pipe clamp. After pipe clamp is installed, bend heat shield open as shown

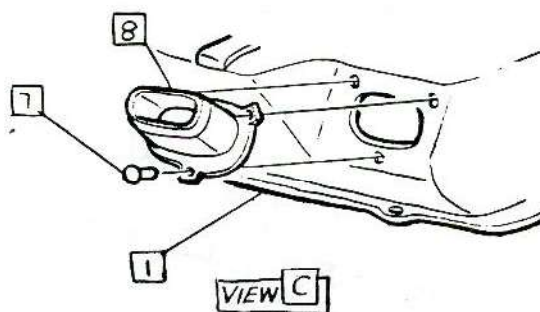
VIEW A

PROD GROMMET

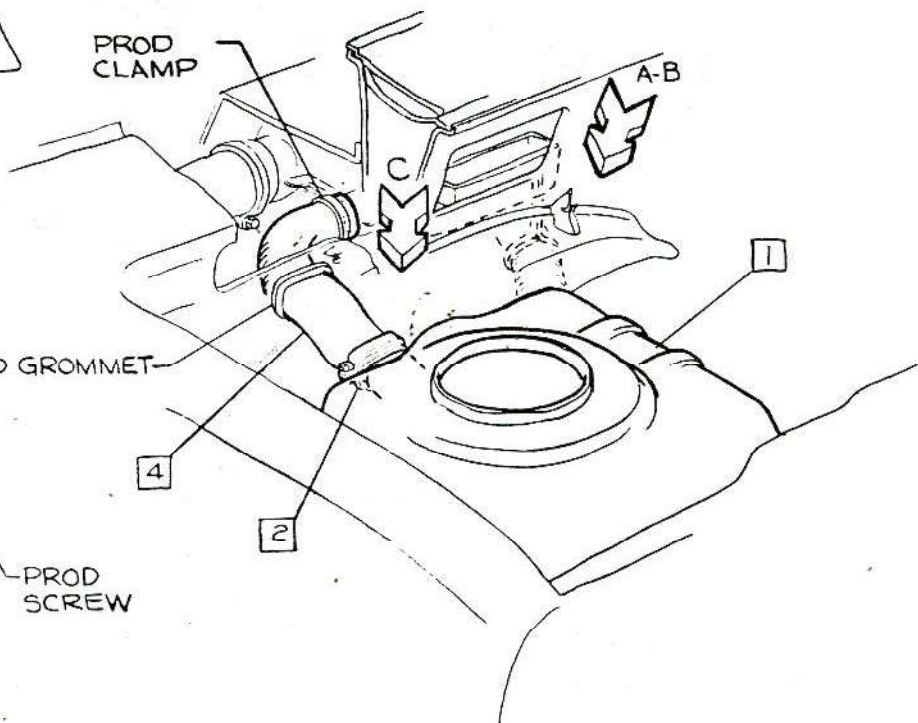
PROD SCREW

- ▲ 16-22 LBS IN.
▲ 22-30 LBS IN.
▲

VIEW B



VIEW C



CHEVROLET MOTOR DIVISION, GMC				UPC	DATE	SYM	REVISION RECORD	AUTH	DR	CK
TURBO-CHARGER-HEATER & DEFROSTER HOSES				L87	7-31-64	1	VIA 3803878 CLAMP	6-617	FC	
						2	9422524 SCREW (16-22-35 IN) REMOVED			
10700				3.		3	TORQUE (2) ADDED			DF
DWG PREL 5-15	JB	REF: Prel. 12	L-72621 L-72397							
DATE REL 5-15			L-73036 L-							
				SHEET X						

1965-212



ASSEMBLY INSTRUCTIONS

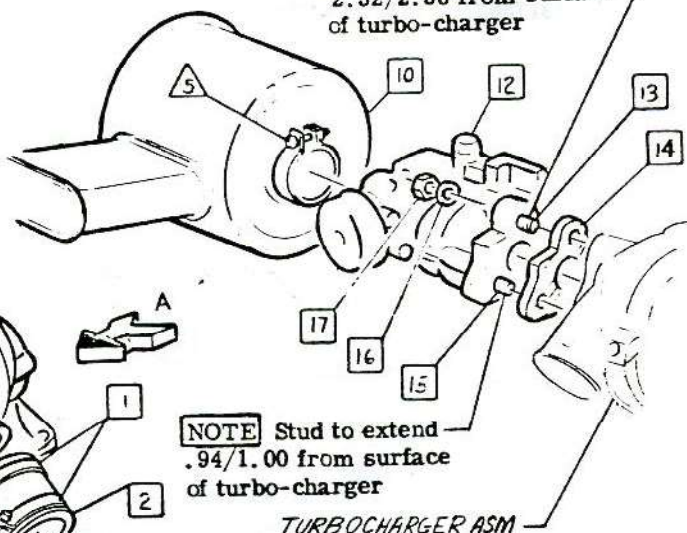
3862100

CORVAIR 10000 SERIES

- ① 1 3824836 CLAMP
- 2 3794415 HOSE
- 3 3824170 PIPE ASM-INDUCTION
- ② 4 3775150 BOLT-INNER
- 5 187119 L. WASHER
- 6 3817242 GASKET
- ③ 7 122017 BOLT-OUTER
- ③ 8 9417881 SCREW
- 9 3817401 BRACKET
- 10 6420244 AIR CLEANER ASM
- ① 11 3867239 DÉCALCOMANIA
- ④ ③ 12 3660786 CARBURETOR ASM ⑨
- 13 3829481 STUD

- 14 3817247 GASKET
- 15 3817508 STUD
- ⑥ 16 2454766 P. WASHER
- ④ 17 120369 NUT
- 18 3786313 REINFORCEMENT

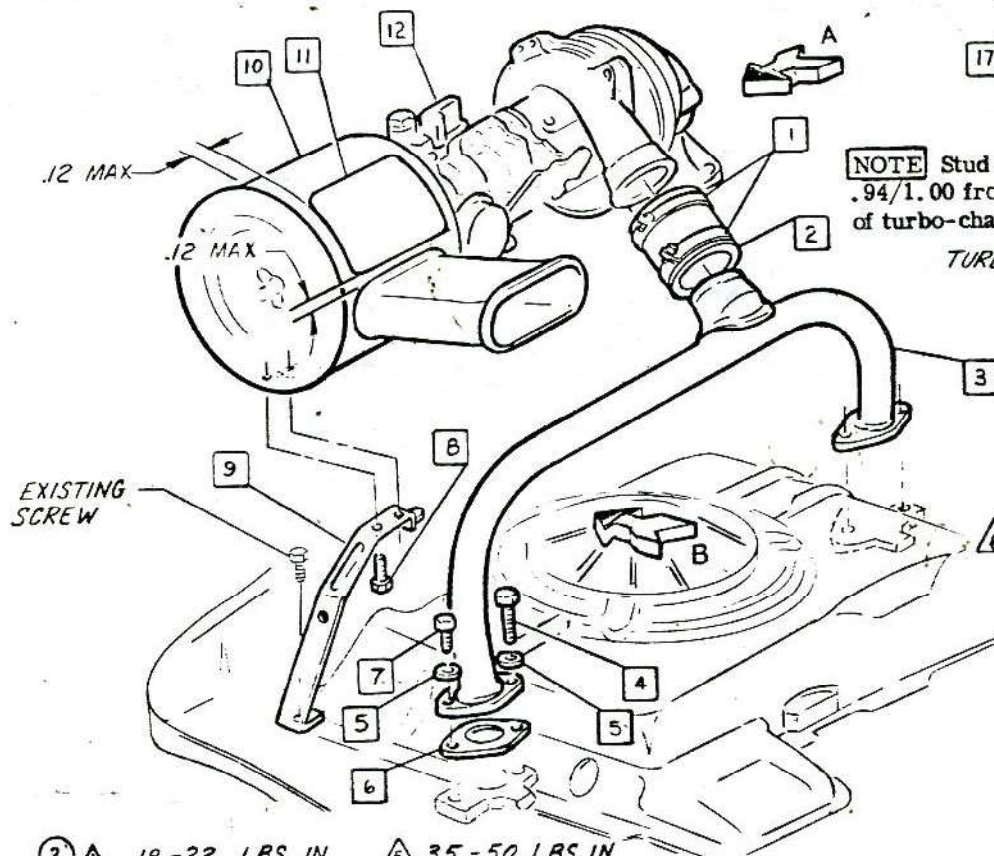
NOTE Stud to extend
2.32/2.38 from surface
of turbo-charger



NOTE Stud to extend
.94/1.00 from surface
of turbo-charger

TURBOCHARGER ASM

VIEW A



EXISTING
SCREW

VIEW B

- ② 18-22 LBS IN
- ⑤ 8-12 LBS FT
- ③ 61-76 LBS IN
- ⑦ 16-22 LBS FT
- ③ 35-50 LBS IN
- ④ 70-95 LBS IN

• CHEVROLET MOTOR DIVISION, GMC •				UPC	DATE	SYM	REVISION RECORD	AUTH	DR	CK
TURBO-CHARGER-DECALCOMANIA, INDUCTION PIPE, CARBURETOR & AIR CLEANER				L87	6-19-64	1	HAS 386724 DEC-ICOMANIA	64261	JS	DF
10700					3-6-64	2	TORQUE (1) WAS 30 LBS IN	65582	RS	DF
DWG PPEL 5-5 DATE PPEL 5-11				4.	3-22-64	3	HAS 3856713 CARBURETOR	66659	RS	DF
REF: Prel, 5 L-60024 L- L- L- L-					4-26-64	4	HAS 3873518 CARBURETOR	67471	RS	DF
				SHEET 1	1-25-65	5	TORQUE (2) WAS 8-12 LBS IN	68894	JM	CI
					2-17-65	6	HAS 700394 WASHER	5971	JM	
						7	TORQUE (4) WAS 17-26 LBS. FT.			CI
					3-4-65	8	HAS 3874444 CARBURETOR	68860	MB	CI

1965-213

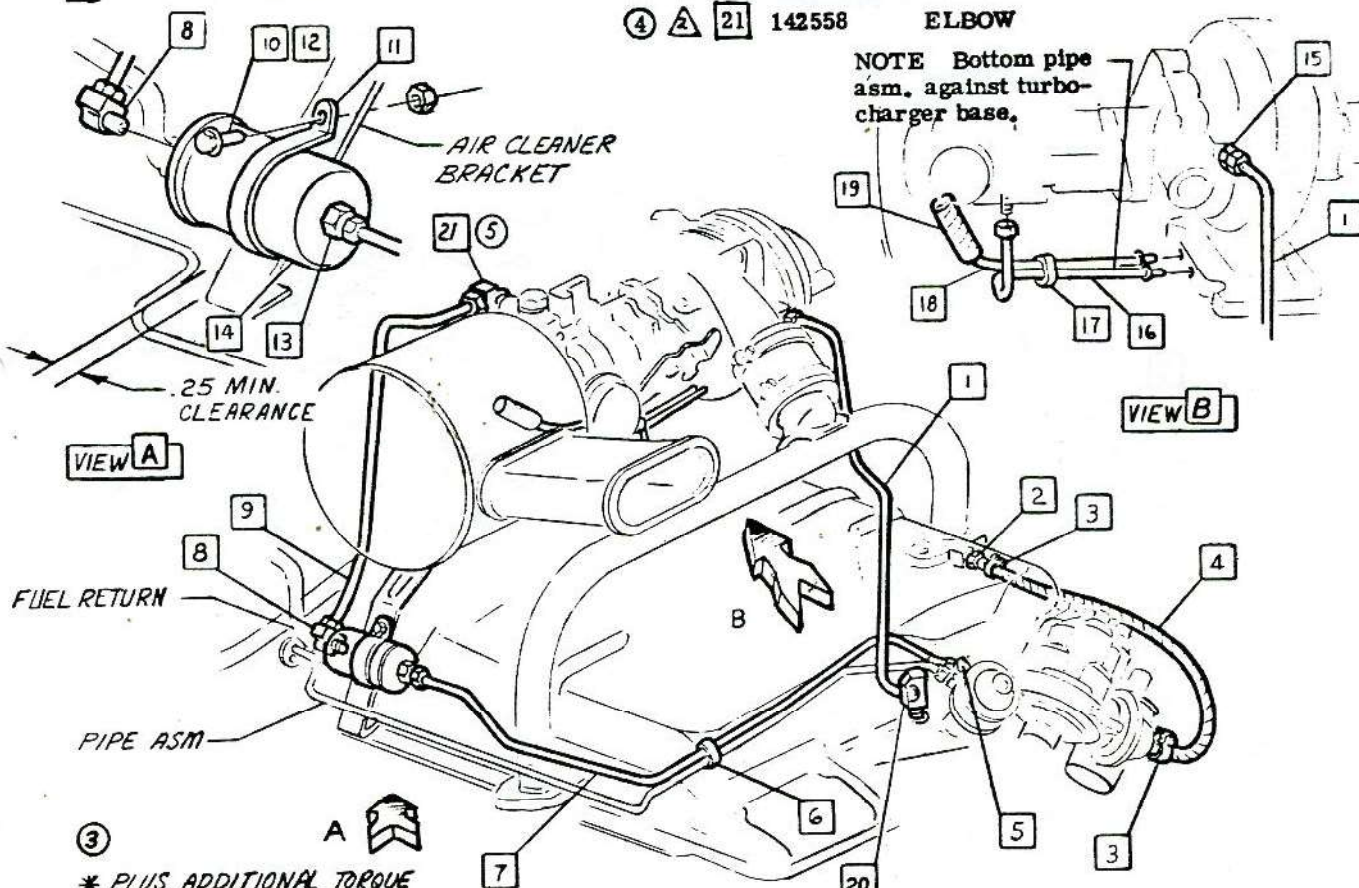
+

3862100

CORVAIR 10000 SERIES

- 1 3851846 PIPE ASM-OIL INLET
- 2 3818743 CONNECTOR
- 3 3783008 CLAMP
- 4 3818742 HOSE-SPARK
- 5 143347 ELBOW
- 6 3710497 CLIP
- 7 3828678 PIPE ASM-FUEL
- 8 137422 ELBOW
- 9 3867217 PIPE ASM-FUEL
- 10 121900 BOLT

- 11 3840323 STRAP
- 12 134551 NUT
- 13 142555 CONNECTOR
- 14 5650818 FILTER ASM
- 15 111345 CONNECTOR
- 16 3829478 PIPE ASM-CHOKE
- 17 3666901 CLIP
- 18 3829477 PIPE-AIR INLET
- 19 3817828 HOSE
- 20 3828680 TEE
- 21 142558 ELBOW



* PLUS ADDITIONAL TORQUE NECESSARY TO ALIGN TEE

- 85 - 105 LBS IN
- 100 - 125 LBS IN
- 7 - 11 LBS IN
- 115 - 135 LBS IN

- 45 - 60 LBS IN
- 75 - 175 LBS IN
- 40 - 60 LBS IN *

• CHEVROLET MOTOR DIVISION, GMC •				UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
TURBO-CHARGER-FUEL FILTER, FUEL & CHOKE PIPES				L87	6-18-66	1	1217H CONNECTOR (100-125 LBS IN.)	64255	RS	
							REMOVED			DF
10700				5.	10-5-64	2	ITEM (20) & TORQUE ADDED	66454	RS	
						3	TORQUE NOTE ADDED			DF
					3-4-65	4	ITEM 21 & TORQUE SYM ADDED	68894	KN	
						5	SYM 21 HAS SYM 0			CI
DWG PREL 5-5 DATE REL 5-15										
REF: Prel. 2 L-65936 L- L- L- L-										
				<input type="checkbox"/> SHEET <input checked="" type="checkbox"/>						



CHEVROLET

ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

1 3856709

TURBOCHARGER ASM

2 3829473

STUD-Extend stud to 1.45/1.51 from surface of turbo-charger.

3 3767556

PACKING

4 3850231

FLANGE

5 3829086

NUT-Do not drive into position at over 250 R. P. M. (free) to prevent excessive heat build-up and consequent galling of nut or stud "tighten nuts uniformly to specified torque. (8 lbs ft minimum inspection torque after roll test.)"

10 3858447

PLATE

11 9420687

BOLT

12 593606

PACKING

13 3693853

P. WASHER

14 103321

L. WASHER

15 122138

BOLT

6 3872226

PIPE ASM-OUTLET

7 3815335

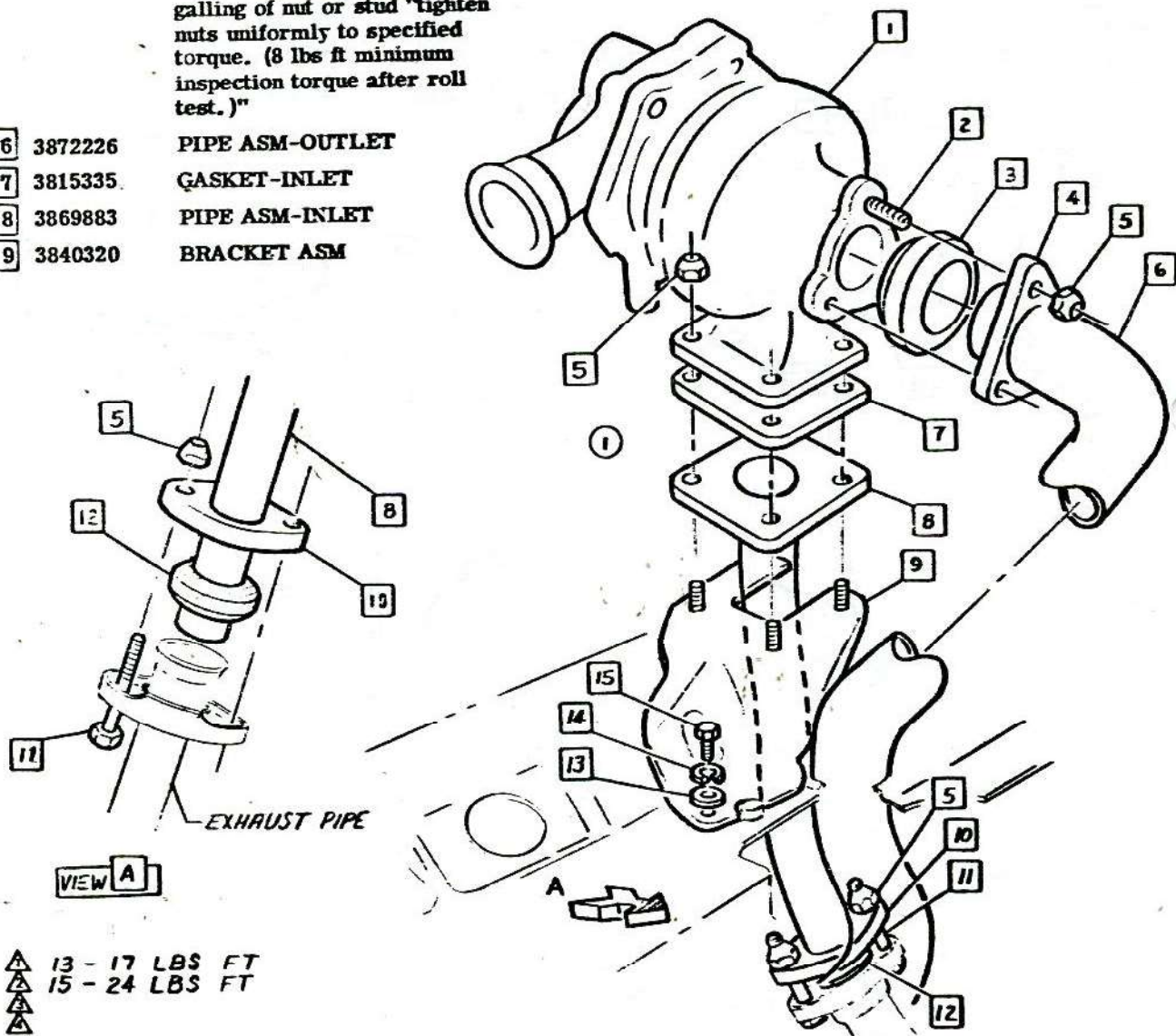
GASKET-INLET

8 3869883

PIPE ASM-INLET

9 3840320

BRACKET ASM



13 - 17 LBS FT
15 - 24 LBS FT

• CHEVROLET MOTOR DIVISION, GMC •				UPC	DATE	SYM	REVISION RECORD	AUTH	DR	CR
TURBO-CHARGER-TURBOCHARGER, INLET & OUTLET PIPES				L87	7-23-64	1	STND NOTE & ITEM (13, RAYD)	64735	RS	
10700				6.		2	WRS 385444 PIPE	65166		
DWG PREL 5-5 RS REF: Prel. 3 L-73336 L-						3	WRS 3858445 PIPE			NR
DATE REL 5-8					9-16-64	4	WRS 3867552 PIPE	65749	RS	LS
				X SNEET						



CHEVROLET

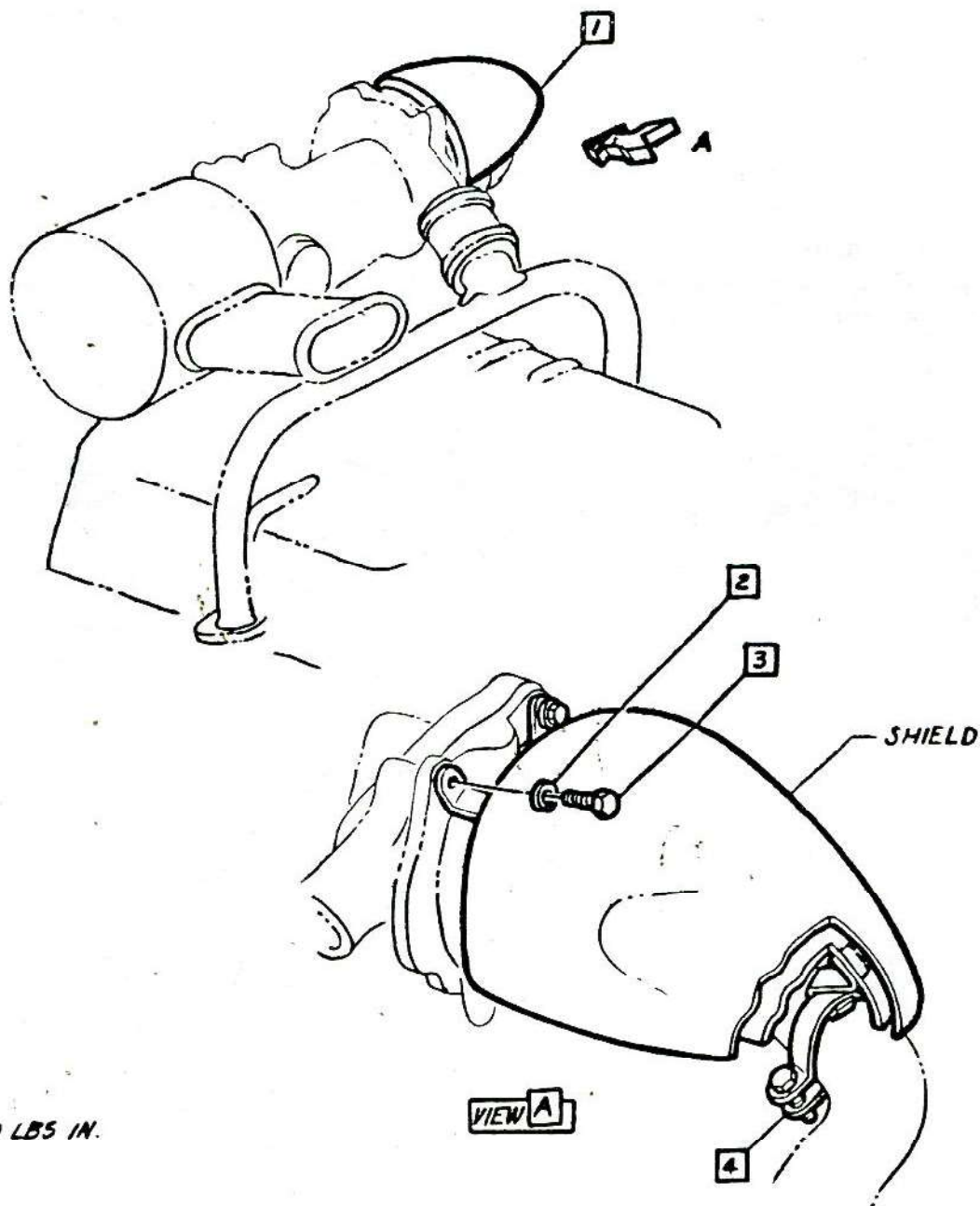
ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

- 1 3851995 SHIELD
2 103319 L. WASHER

- 3 9417815 BOLT
4 9421053 CLAMP



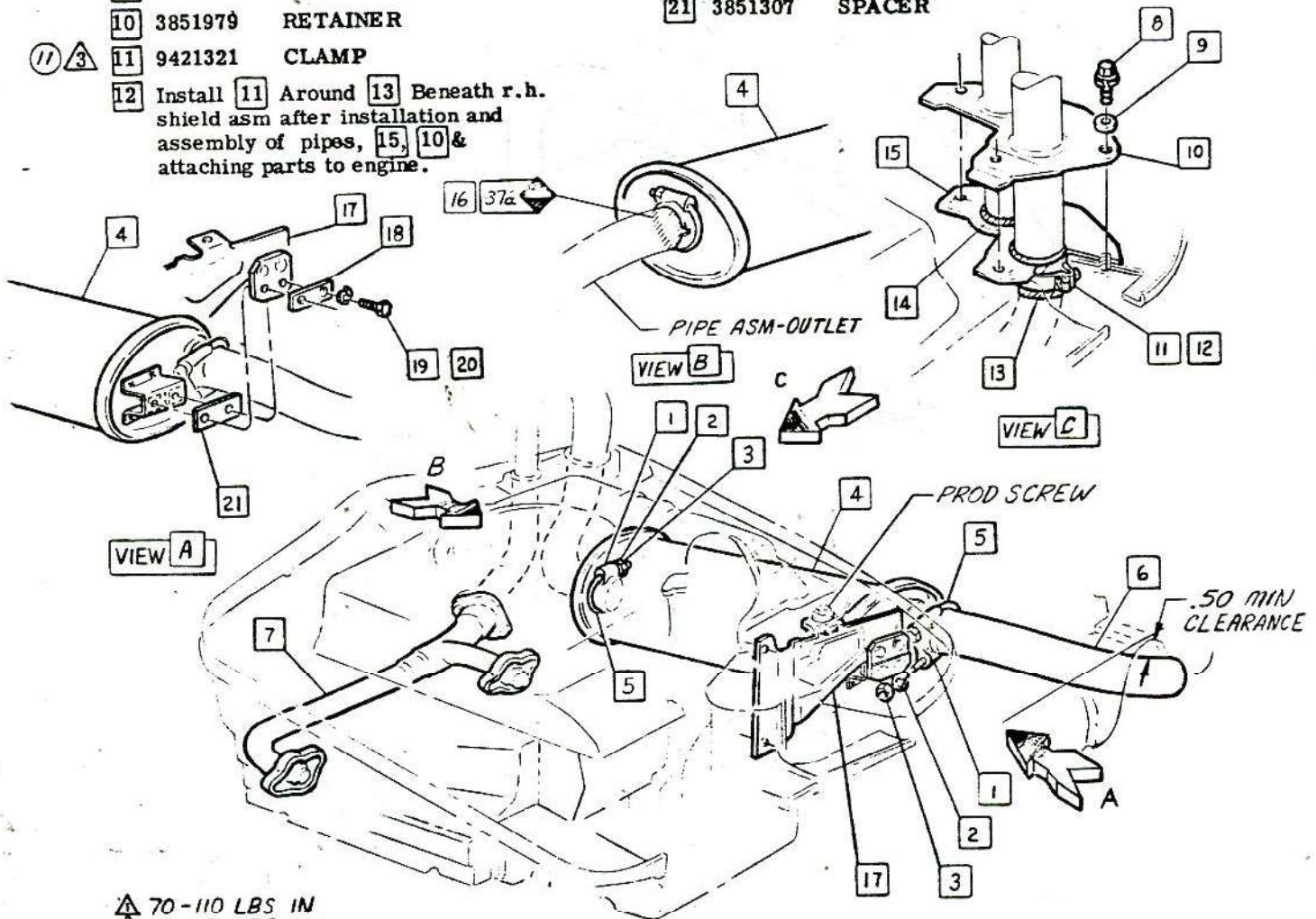
▲ 20-30 LBS IN.
▲
▲

VIEW A

CHEVROLET MOTOR DIVISION, GMC				UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
TUBRO-CHARGER-HEAT SHIELD				L87	10-6-64	1	WAS 120380 WASHER	62884	RS	
10700				8.						
DWG PREL 5-5	RS	REF: Prel. 6	L-72649	L-						
DATE REL 5-8		L-	L-	L-						
				☒ SHEET						

1965-216

- | | | | | | |
|--------|--|------------------|------|---------|---|
| ⑧ 1 | 2395898 | CLAMP | 13 | 3827240 | SEAL |
| 2 | 103320 | L. WASHER | 14 | 3827241 | SEAL |
| ① 3 | 102634 | NUT | 15 | 3851978 | PLATE |
| 4 | 3869877 | MUFFLER ASM | 16 | 9985020 | SEALING COMPOUND Approx .02 oz per |
| | 3869878 | -OPT | | | job apply to full I. D. of connector prior to |
| | | | | | assembly of exhaust pipe. |
| 5 | 2395897 | "U" BOLT | ⑩ 17 | 3873602 | BRACKET ASM |
| 6 | 3869879 | PIPE-TAIL | 18 | 3851306 | RETAINER |
| 7 | 3868440 | EXHAUST PIPE ASM | 19 | 103320 | L. WASHER |
| ⑨ ② 8 | 3856672 | SCREW ASM | ④ 20 | 122017 | BOLT |
| 9 | 120392 | P. WASHER | 21 | 3851307 | SPACER |
| 10 | 3851979 | RETAINER | | | |
| ⑪ ③ 11 | 9421321 | CLAMP | | | |
| 12 | Install 11 Around 13 Beneath r.h. shield asm after installation and assembly of pipes, 15, 10 & attaching parts to engine. | | | | |



- ▲ 70-110 LBS IN
 ▲ 13-17 LBS FT
 ▲ 22-30 LBS IN
 ▲ 100-140 LBS IN

CHEVROLET MOTOR DIVISION, GMC				UPC	DATE	SYM	REVISION RECORD	AUTH	DR	CK
TURBO-CHARGER-EXHAUST SYSTEM				L87	10-5-64	8	WAS 239293 CLAMP	66407	RS	DF
10700				9.	2-2-65	9	WAS 3409167 SCREW	15929	RS	
DWG PREL 8 PS REF: Prel. 7 L-73078 L-76367				SHEET 1		10	WAS 3851978 PLATE & DWS REVISED	0855	CI	
DATE REL 5-15 L- L- L-					3-23-65	11	WAS 9411321 CLAMP		LS	CI



CHEVROLET

ASSEMBLY INSTRUCTIONS

3362100

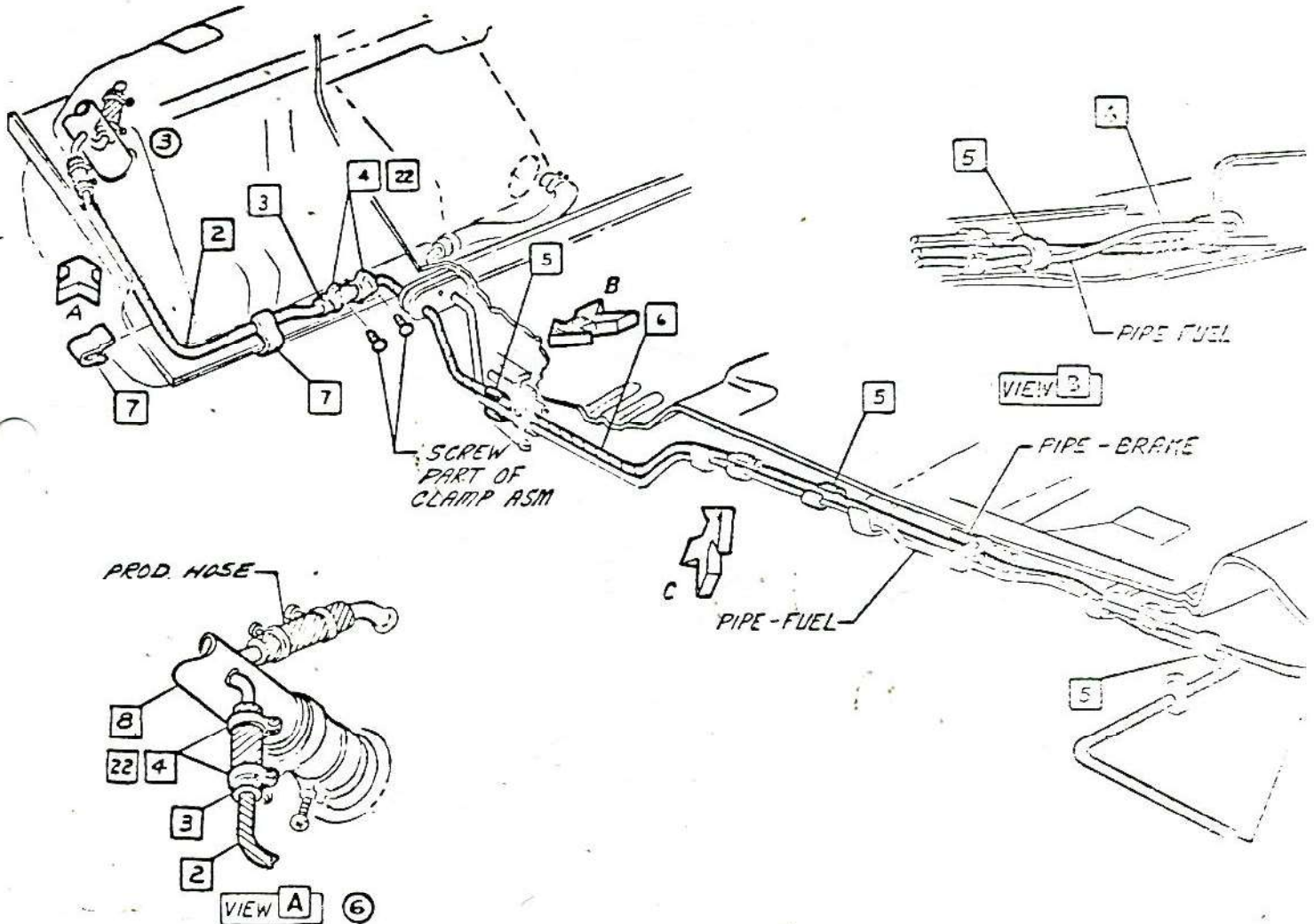
CORVAIR 19600 C10

- ③ ①
- ④ ② ② 3886531
- ③ 3767334
- ① ④ 3783008
- ⑤ 599119

PIPE - FUEL RETURN
HOSE
CLAMP ASM.
CLIP

- ① ⑥ 3873642
- ⑦ 3783002
- ⑤ ⑧ ② 3883522

PIPE - FUEL RETURN
CLIP
NUT/CLIP



▲ 7-11 LBS IN
▲
▲
▲

• CHEVROLET MOTOR DIVISION, GMC •				UPC	DATE	SYM	REVISION	RECORD
TURBO-CHARGER-FUEL & FUEL RETURN LINES.				L87	5-5-64	1	WAS 386125 5-5-64	
10700					5-2-65	2	WAS 386125 5-5-64	
DWG PREL 5-8					5-4-65	3	3883522 5-4-65	
DATE REL 5-8						4	WAS 386125 5-5-64	
						5	ITEM 3 5-5-64	
						6	VIEW A 5-5-64	

ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

3862100 HOSE

Position ends of all clamps
3/8 to 1/2 in. away from sheet
metal for service & to avoid
noise & vibrations.

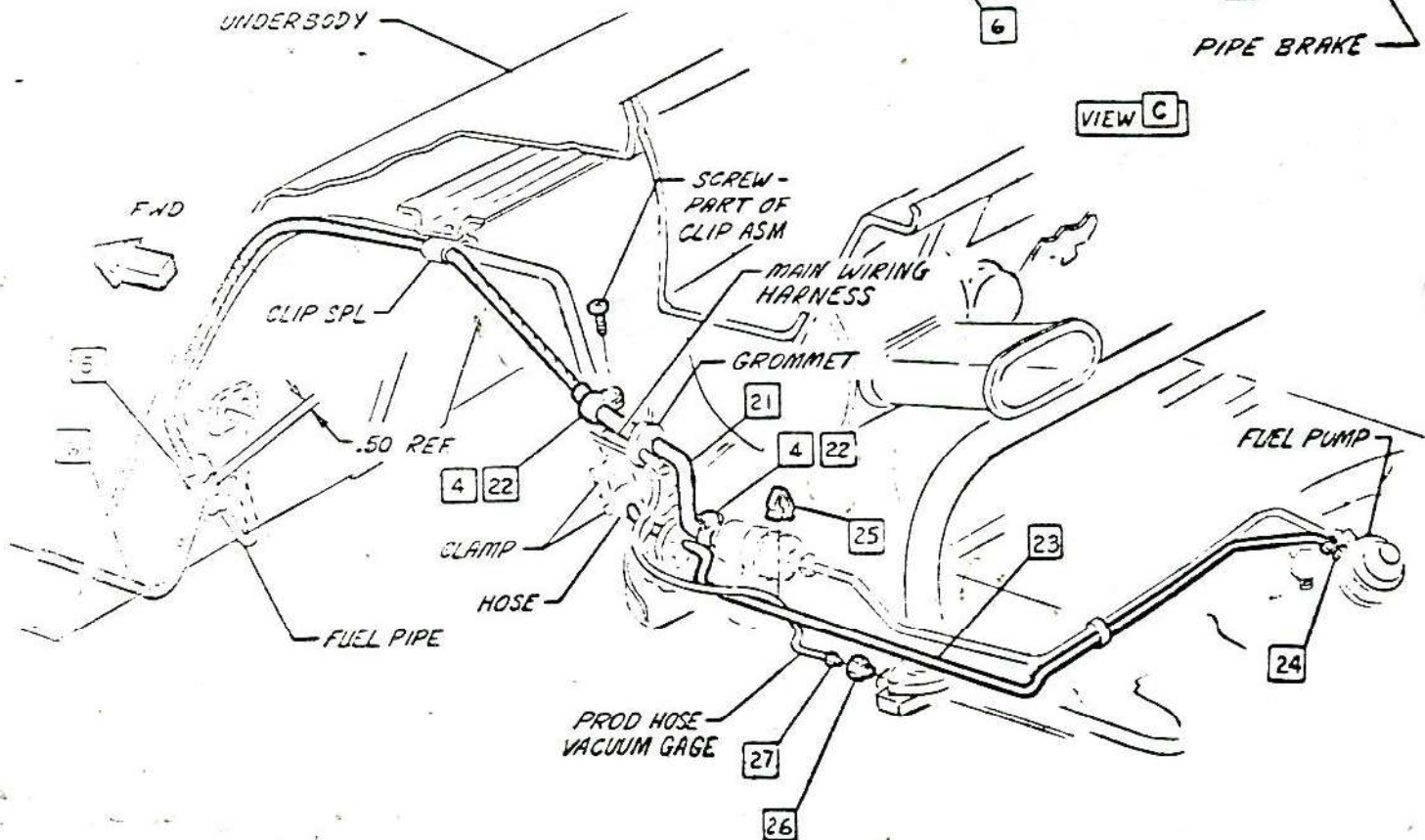
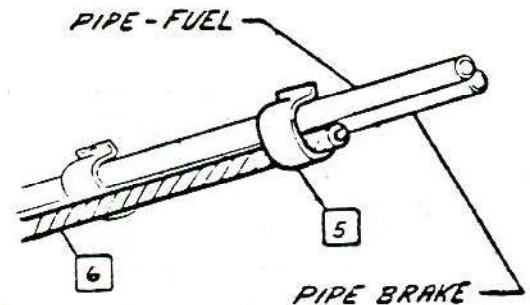
3862100 PIPE ASM. - FUEL

142555 CONNECTOR

- ⑦ 25 3819070 CLIP
- △ 26 3886605 FITTING
- △ 27 3886604 NUT ASM.

⑧ HOSE FITTING INSTRUCTIONS

INSERT HOSE INTO FITTING BOTTOMING
HOSE OUT. ROTATE NUT UNTIL FINGER
TIGHT. THEN MAKE TWO FULL TURNS.



SEE HOSE FITTING INSTRUCTIONS

115 - 125 LBS IN

130 - 125 LBS IN

CORVETTE MOTOR DIVISION, GMC				UPC	DATE	SYM	REVISION RECORD	AUTH	Dk	CK
TURBO-CHARGER - VACUUM GAGE HOSE, FUEL & FUEL RETURN LINES				L87	5-4-65	7	WAS 3724551 TAFE	7/29/65		
						8	HOSE FITTING INSTRUCTIONS ADDED			21
10700				REF 10.						
				11.						
DWG FILES-5				SHEET						
DATE REC 5-12										
REF: Prel. 9										
L-72615										
L-60990										

1965-219



3 8 6 2 1 0 0

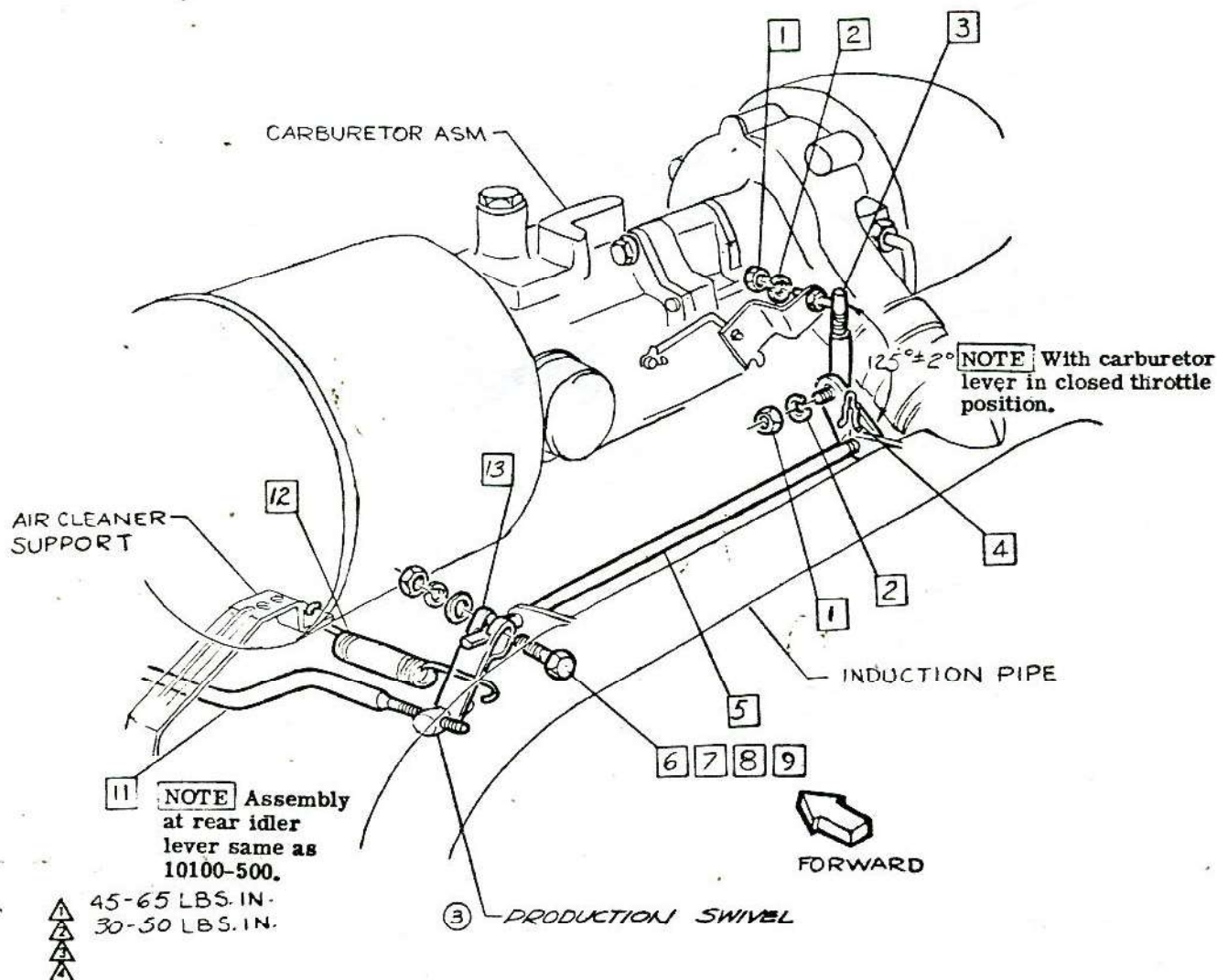
ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

- | | | |
|---------------------------|--------------------|-------------------|
| 1 142247 NUT | 6 121900 BOLT | 11 3861884 ROD |
| 2 121753 L. WASHER | 7 120392 P. WASHER | 12 3791577 SPRING |
| 3 3824172 ROD | 8 103319 L. WASHER | 13 3817253 LEVER |
| 4 9418227 RETAINER | 9 134551 NUT | |
| 5 3824178 CROSS SHAFT ASM | 10 | |

NOTE ACCELERATOR CONTROL LINKAGE
ADJUSTMENT SAME AS 10100-500
EXCEPT AS SHOWN



• CHEVROLET MOTOR DIVISION, GMC •				UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
CARBURETOR CROSS SHAFT LINKAGE				L 87	7-6-64	2	REDRAWN & REVISED	64798	RE	DP
					2-23-65	3	WAS ITEM (10)	64894	IN	
10700				12.		4	3817253 SWIVEL REV'D.			CI
DWG PREL 5-5				SHEET						
DATE REL 5-5										
R.C. REF: Prel. I. L- 71490 L-										
L- L- L-										



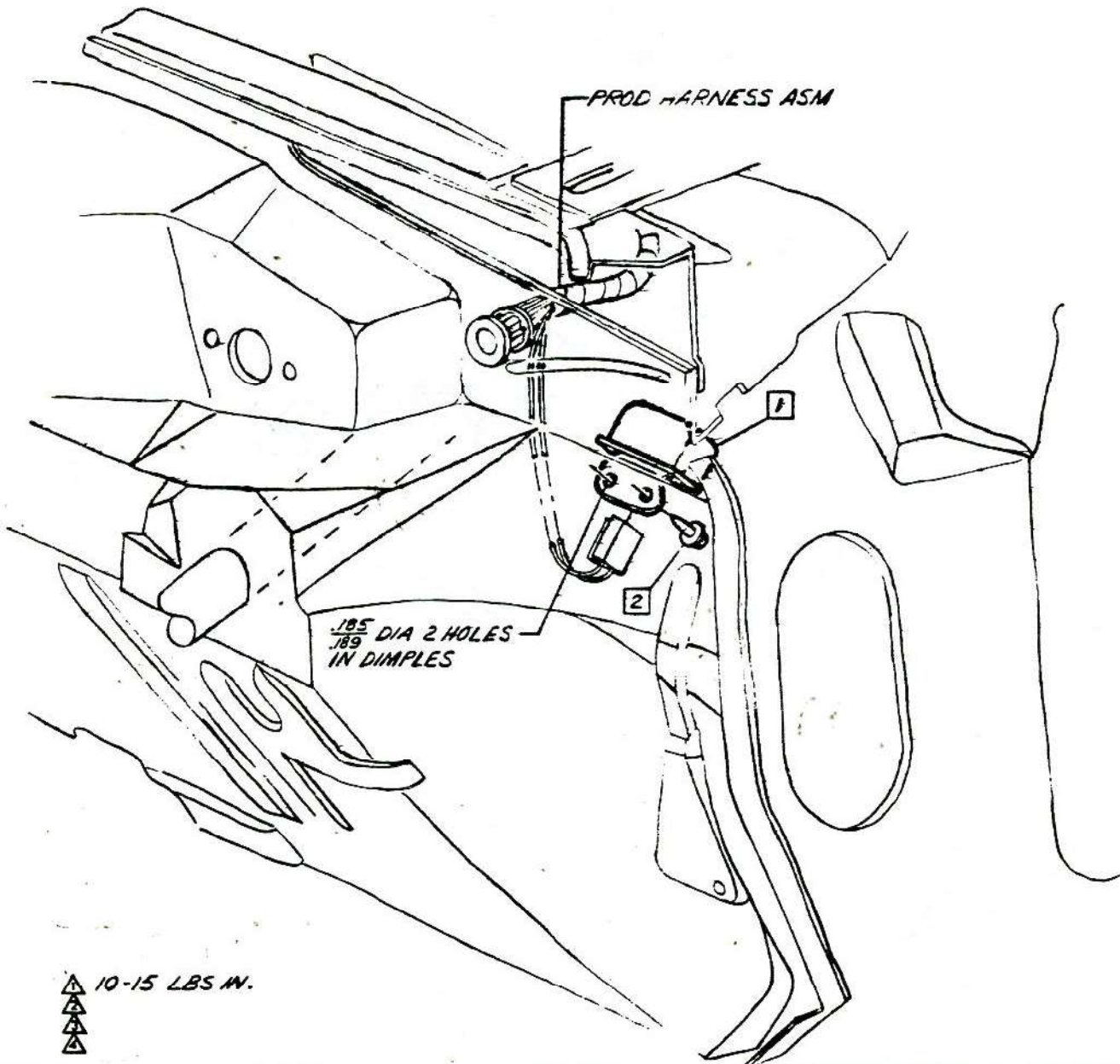
P R E S T I T U T E

ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

- 1 1116952 BUZZER ASM-TEMP WARNING
- 2 9414192 SCREW



10-15 LBS IN.

CHEVROLET MOTOR DIVISION, GMC				UPC	DATE	SYM	REVISION RECORD		AUTH	DR	CK
TURBO-CHARGER-TEMPERATURE WARNING BUZZER				L 87							
10700				13.							
DWG	JB	REF: ECR 64369 L-73258	L-								
DATE REL 8-27	DF	L-	L-	L-							
				SHEET							

1965-221



CHEVROLET

ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

SHEET

TITLE

NOT ILLUSTRATED ON THIS SHEET

1.

CONTENTS

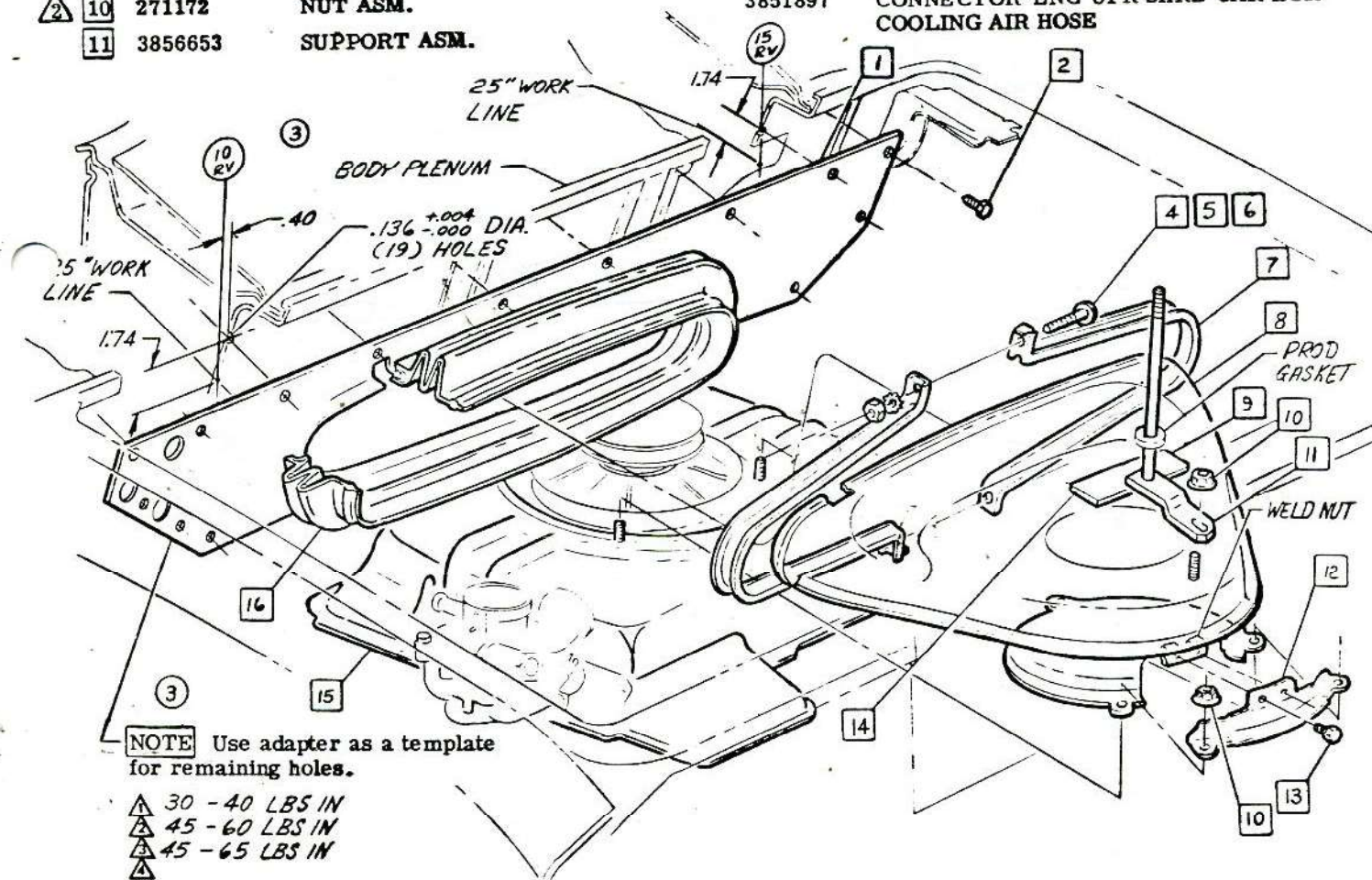
2. AIR CLEANERS

1	3856660	ADAPTER - DUCT TO PLENUM
2	9417558	SCREW
3		
4	9412234	SCREW
5	121753	L. WASHER
6	134551	NUT
7	3856667	RETAINER
8	3867234	DUCT ASM
9	3856669	PAD
10	271172	NUT ASM.
11	3856653	SUPPORT ASM.

12	3867242	COVER
13	9420751	SCREW ASM
14	3771312	CEMENT - .065 oz per job
15	3856664	SHROUD
16	3867232	SEAL ASM.

2 THE FOLLOWING PARTS ARE ASSEMBLED SAME AS RPO L87

3863667	HOSE-CAR HTR COOLING AIR
3869520	CLAMP-CAR HTR COOLING AIR
9422524	SCREW-CAR HTR COOL AIR HOSE
9417227	RIVET-ENG UPR SHROUD CAR HTR
3851897	CONNECTOR-ENG UPR SHRD CAR HTR COOLING AIR HOSE



NOTE Use adapter as a template for remaining holes.

- ▲ 30 - 40 LBS IN
- ▲ 45 - 60 LBS IN
- ▲ 45 - 65 LBS IN

CHEVROLET MOTOR DIVISION, GMC		UPC	DATE	SYM	REVISION RECORD	AUTH	DR	CK
AIR CLEANER HEAVY DUTY PRE-CLEANER-CONTENTS		K46	6-19-64		REDRAWN, REVISED E 64200	64395	RS	
					3 TORQUES ADDED			DF
			7-23-64	2	NOTE & PART NUMBERS ADDED	64798	RS	
						64617	HB	
10100-500		1.	10-12-64	3	HOLE DIMS & ADAPTER NOTE ADDED	64667	RS	DF
DWG PREL 4-27 RS			REF: Pre. / L-73867 L-		DATE REV 5-22 L- L- L-			
		SHEET						

1965-222



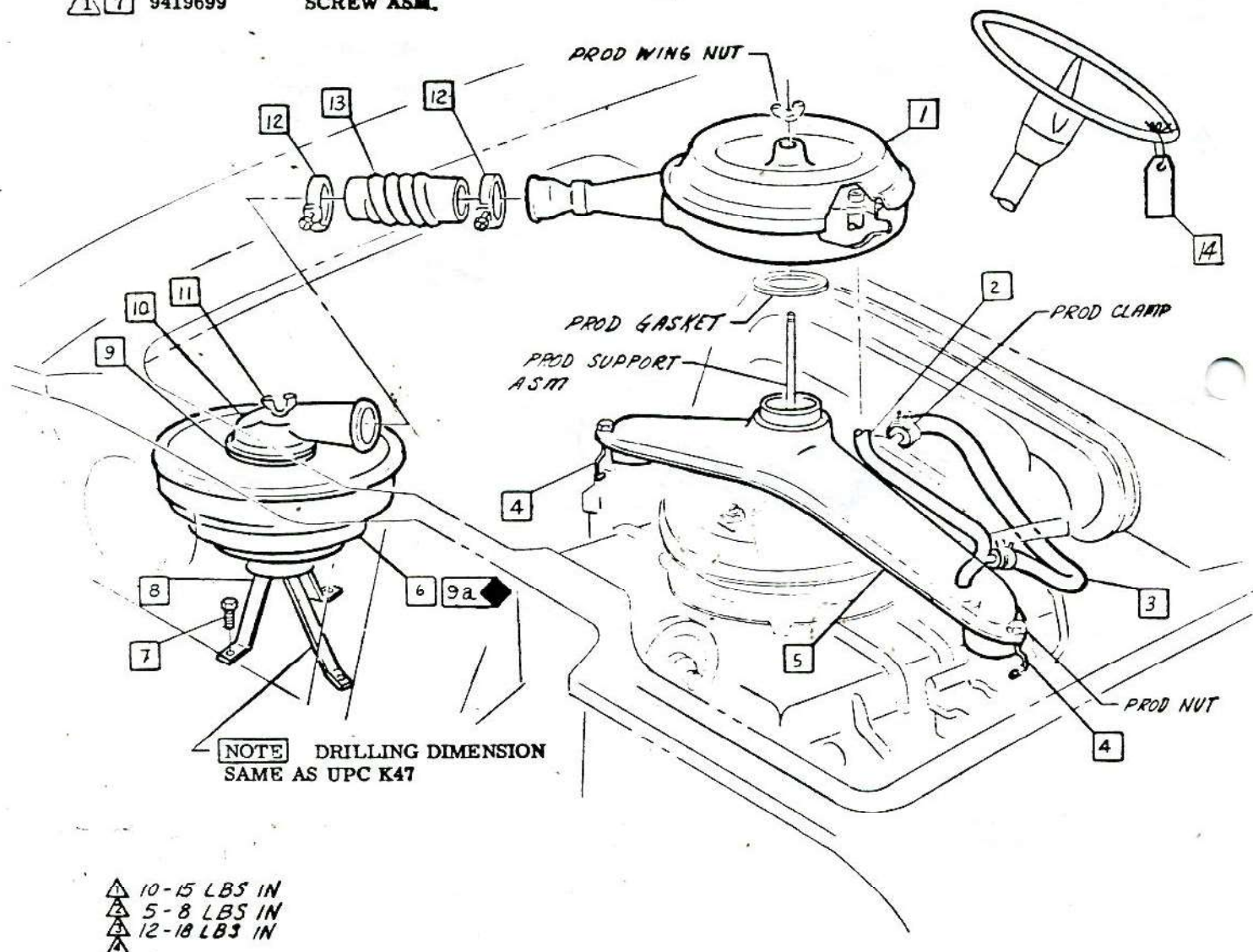
CHEVROLET

ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

- | | | | | | |
|---|---------|-----------------------|----|---------|---------------------|
| 1 | 6419984 | AIR CLEANER. ASM. | 8 | 3856644 | BRACKET ASM. - AUX. |
| 2 | 3856657 | TUBE ASM. - CRANKCASE | 9 | 1552261 | GASKET |
| 3 | 3856659 | HOSE - SPECIAL | 10 | 3851802 | OUTLET ASM. |
| 4 | 3856655 | BOLT - J | 11 | 3856710 | BOLT ASM. |
| 5 | 3877680 | TUBE & EXT. ASM. - | 12 | 274765 | CLAMP |
| | | INLET | 13 | 3856697 | HOSE - SPECIAL |
| 6 | 6419985 | AIR CLEANER ASM. | 14 | 3694280 | TAG. |
| 7 | 9419699 | SCREW ASM. | | | |



CHEVROLET MOTOR DIVISION, GMC				UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
AIR CLEANER HEAVY DUTY PRE-CLEANER AIR CLEANERS				K46	23069	1	ITEM 14 ADDED	15397	CR	CI
					1-25-65	2	WAS 3856651 TUBE	15352	BY	CI
10100-500				2.						
DWG PREL 4-27 PS REF: Prot. 2 L-73867 L-										
DATE PREL 4-28 L- L- L-				<input checked="" type="checkbox"/> SHEET						



G M C O R V A I R

ASSEMBLY INSTRUCTIONS

3862100 CORVAIR 10000 SERIES

SHEET TITLE

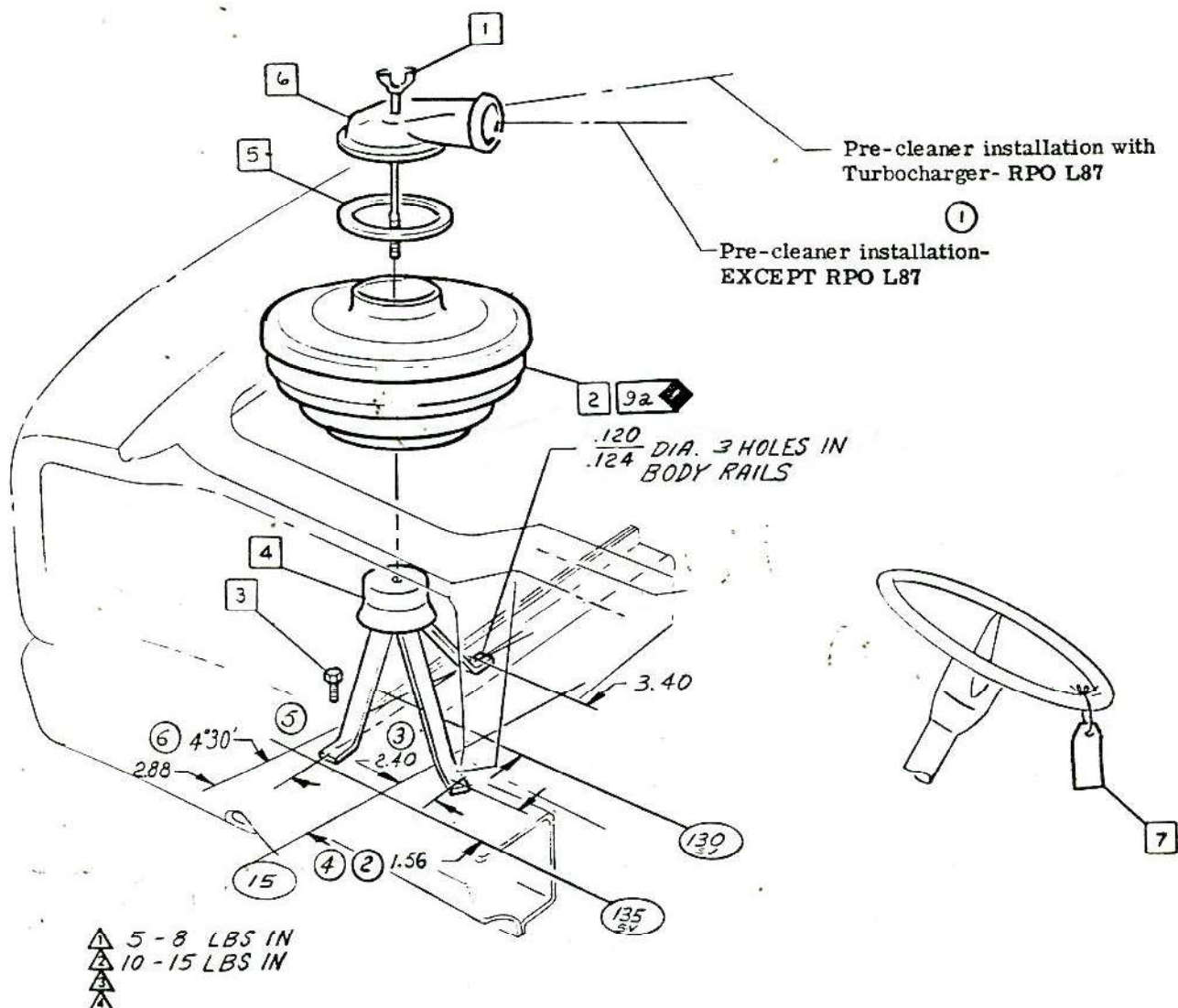
NOT ILLUSTRATED ON THIS SHEET

1. CONTENTS

2. PRE-CLEANER-(EXC AIR CONDITIONING)
3. AIR CONDITIONING

- 1 3856710 BOLT ASM
- 2 6419985 AIR CLEANER ASM-AUX
- 2 3 9419699 SCREW
- 4 3856644 BRACKET ASM

- 5 1552261 GASKET
- 6 3851802 OUTLET ASM ①
6420495 RPO L87
- 7 3694280 TAG WARNING



•CHEVROLET MOTOR DIVISION, GMC•				UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
OIL BATH AIR CLEANER-PRE-CLEANER -CONTENTS				K47	7-23-64	1	1.25 WAS 1.34	63687	RS	HB
10000					3-11-65	2	2.40 WAS 1.88	70038	KM	CI
DWG PREL 3-12					3-31-65	3	1.56 WAS 1.25			
DATE REL 5-22						4	.70 REMOVED			
						5	4*30* ADDED			
						6				
REF: Prel. 1 L-74581 L-75115				1.						
L- L- L-				SHEET						

1965-224



CHEVROLET

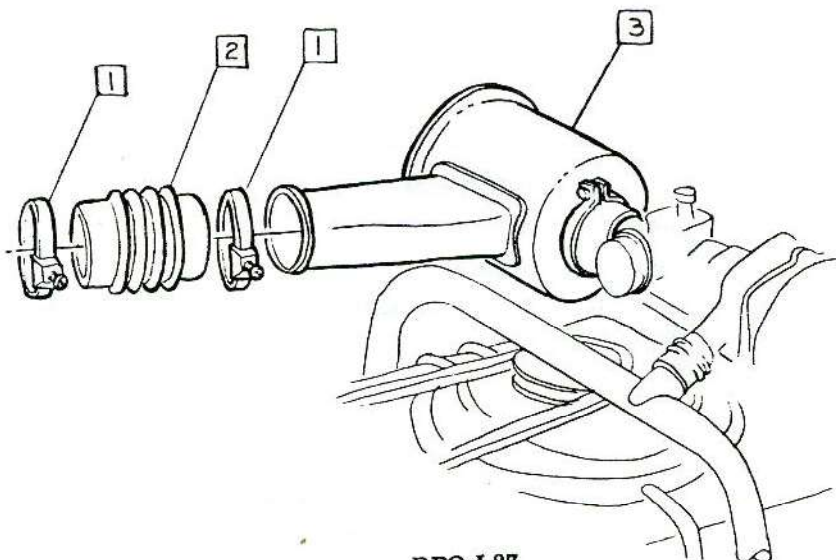
ASSEMBLY INSTRUCTIONS

3862100

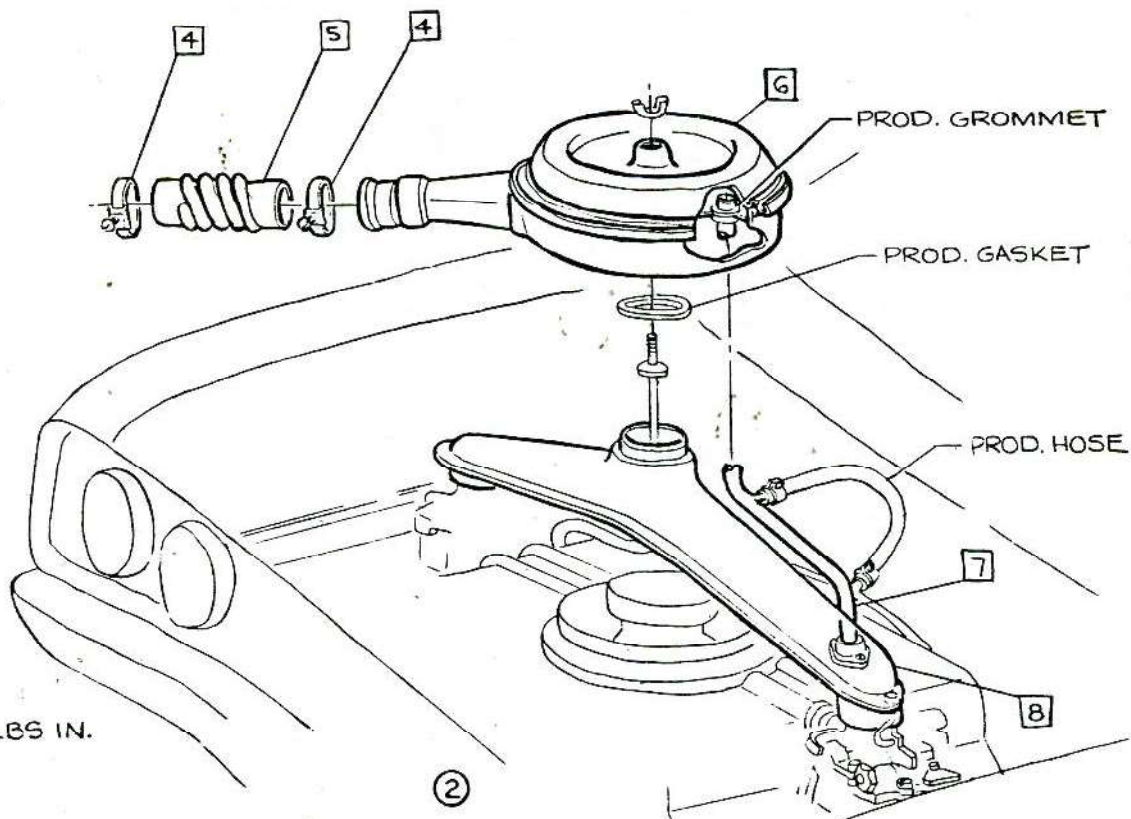
CORVAIR 10000 SERIES

- ⚠ 1 9414942 CLAMP
- 2 3851994 HOSE ASM
- 3 6420884 AIR CLEANER ASM
- ⚠ 4 274765 CLAMP
- 5 3856697 HOSE ASM
- 6 6419984 AIR CLEANER ASM
- 7 3856698 TUBE ASM
- 8 3856700 TUBE ASM 10100-500
PROD 10700

①



RPO L87



⚠ 12-18 LBS IN.

CHEVROLET MOTOR DIVISION, GMC				UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
OIL BATH AIR CLEANER-PRE-CLEANER EXCEPT AIR CONDITIONING				K47	7-23-64	1	10700 HOSE ASSEMBLY ADDED	63657	MS	
						2	RESTRICTION REMOVED			HB
10000				2.						
DWG PREL 3-12	RE	REF: Prel. 2	L-74581	L-						
DATE REL 3-12		L-	L-	L-						
SHEET										

1965-225



CHEVROLET

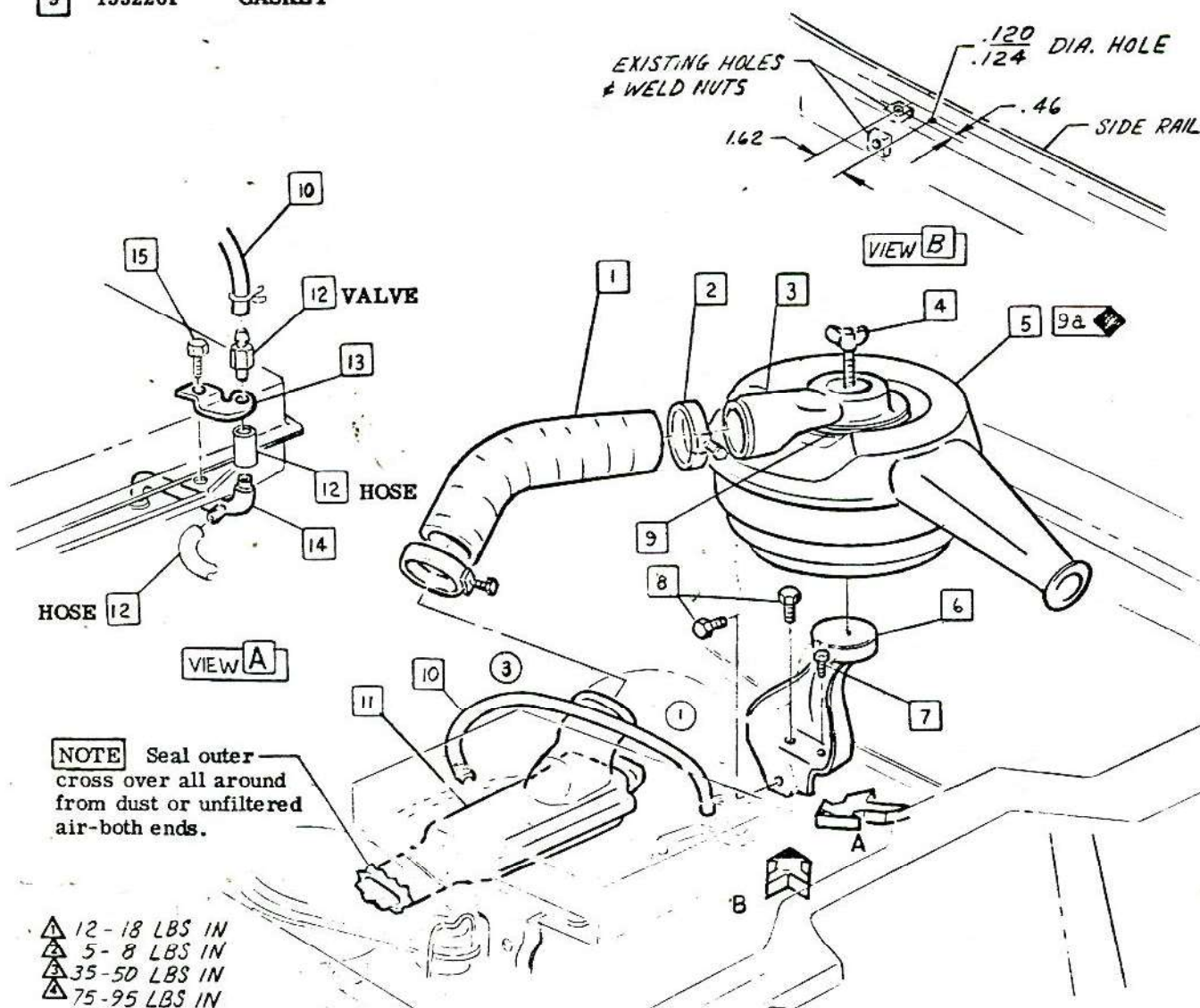
ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

- 1 3858649 HOSE
- 2 274765 CLAMP
- 3 3851802 OUTLET
- 4 3856710 BOLT ASM
- 5 6420085 AIR CLEANER
- 6 3867236 BRACKET ASM
- 7 9419699 SCREW
- 8 3786036 SCREW
- 9 1552261 GASKET

- 10 3851806 HOSE
- 11 3851803 INTAKE ASM
- 12 PARTS SAME AS RPO C64
- 13 3851804 SUPPORT
- 14 3851805 TUBE ASM
- 15 SCREW - PART OF EVAPORATOR



CHEVROLET MOTOR DIVISION, GMC				UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
OIL BATH AIR CLEANER-PRE CLEANER WITH AIR CONDITIONING				K47	7-6-64	1	HOSE DRAWING REVISED	RS	DF	
						2	TORQUE ADDED			
					7-8-64	3	HOSE DRAWING REVISED	RS	DF	
10100-500				3.						
DWG PREL 3-12 RS REF: Prel. 3 L-75115 L-70957										
DATE REL 5-22 L- L- L-										
SHEET										



CHEVROLET

ASSEMBLY INSTRUCTIONS

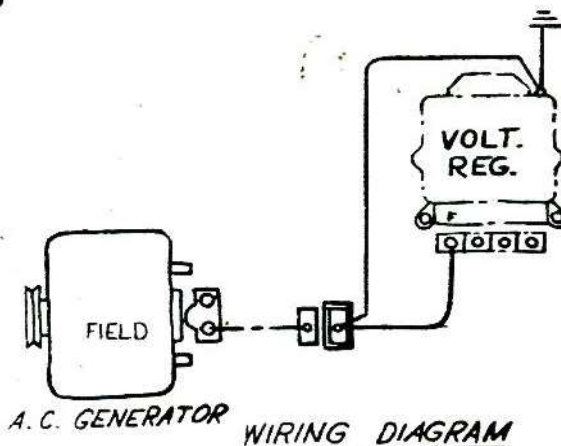
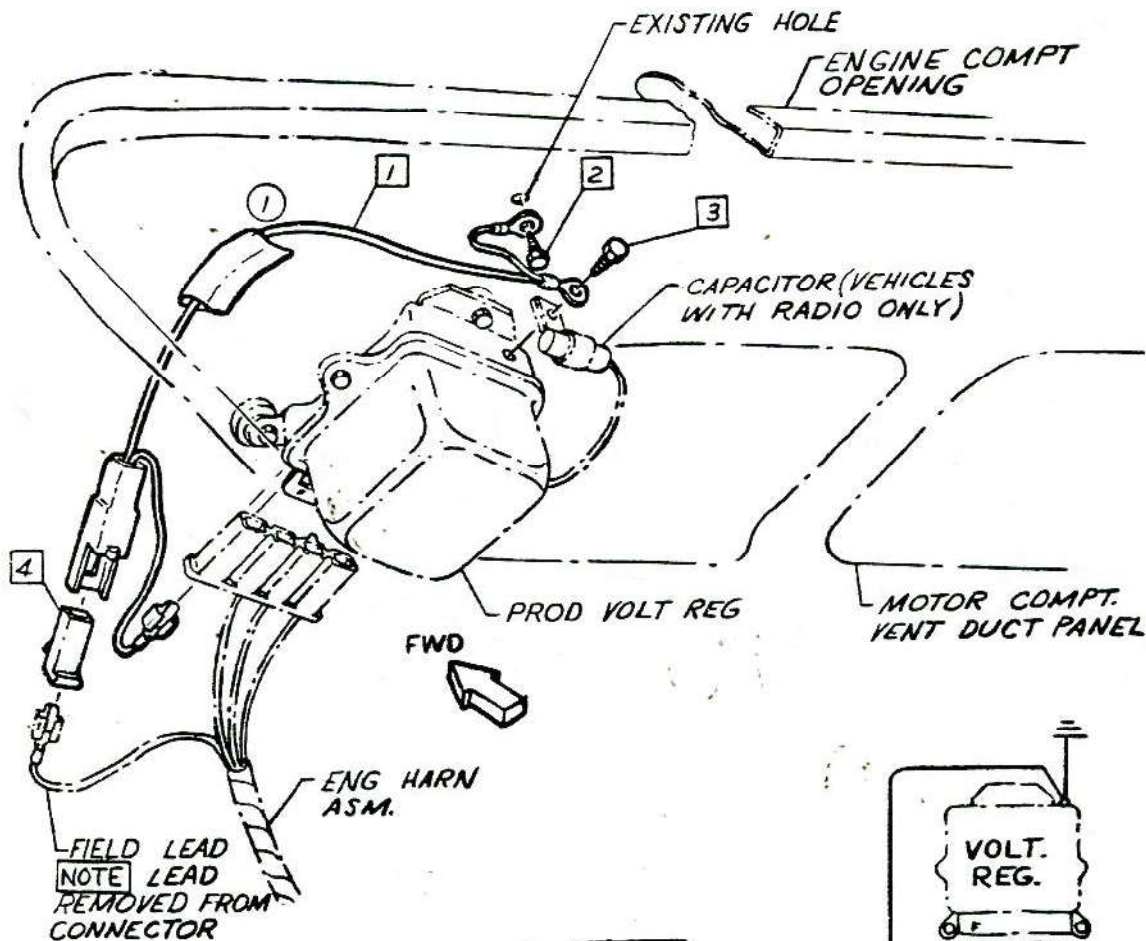
3862100

CORVAIR 10000 SERIES

THE FOLLOWING PARTS INSTALL SAME
AS REGULAR PRODUCTION

1100698 GENERATOR

- | | | | |
|---|---------|-----------|-------|
| 1 | 2988198 | WIRE ASM | |
| 1 | 2 | 9414192 | SCREW |
| 2 | 3 | 9419305 | SCREW |
| 4 | 2977253 | CONNECTOR | |



- | | |
|---|---------------|
| ▲ | 16-22 LBS IN. |
| ▲ | 13-18 LBS IN. |
| ▲ | |
| ▲ | |

CHEVROLET MOTOR DIVISION, GMC				UPC	DATE	SYM	REVISION RECORD	AUTH	DR	CK
A. C. GENERATOR				K84	10-6-64	1	DRAWING REVISED	66958	RV	DF
10000										
DWG PREL 3-20 RV REF: Prel. 1 L- L-				1.						
DATE REL 3-20 L- L- L-										
				<input type="checkbox"/> SHEET <input checked="" type="checkbox"/>						

1965-227



3862100

ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

SHEET

TITLE

1. CONTENTS

A 2. BACKING LAMP SWITCH

- 1 3864461 TRANSMISSION ASM
- 2 103322 L. WASHER
- 3 3840297 SHAFT TRANS INPUT
- 4 3787438 BRACKET ASM
- 5 3859205 SPACER SPECIAL
- 6 3868699 BRACKET ASM TRANS
- 7 3859204 BOLT SPECIAL

8

9

10 3710593 WASHER

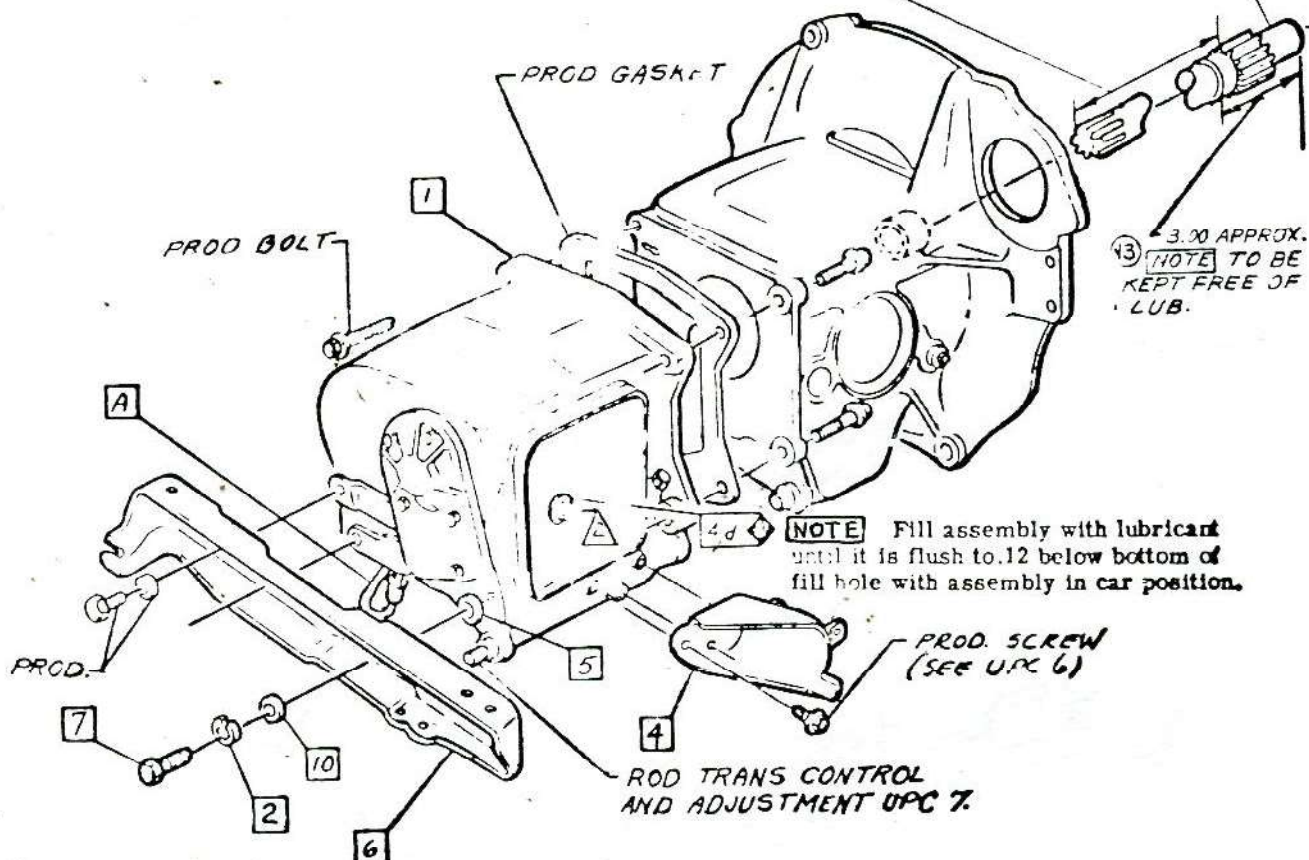
11

12

9 3872875 HOUSING ASM

12 5e NOTE APPLY LUBE BEFORE INSTALLATION OF DIFF. CARR. ASM TO ENGINE

3



13 3.00 APPROX. NOTE TO BE KEPT FREE OF LUB.

NOTE Fill assembly with lubricant until it is flush to 12 below bottom of fill hole with assembly in car position.

35-55 LBS. FT.
12-16 LBS. FT.
12-16 LBS. FT.

NOTE See UPC 7 for clutch adjustment; cross shaft dim to trans cross member is .87 ±.12

CHEVROLET MOTOR DIVISION, GMC				UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
FOUR SPEED TRANSMISSION-CONTENTS				M 20	11-1-68	8	ITEM 2 REVISED	5847	SB	DA
10000				1.	11-1-68	9	WAS 3869812 HOUSING	46069	SB	DE
DWG PPL 3-5-64				SHEET 15	11-1-68	10	STP 6916 ROD REMOVED	46069	SB	DA
DATE REL 3-3-64					11-1-68	11	3862560 MEMBER RIVD			CI
REF: Prod. 1. L-71490 L-71468					11-1-68	12	WAS 3869812 HOUSING			CI
L- L- L-					11-1-68	13	WAS 3869812 HOUSING			CI



ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

- ③ ① 1 1993326 SWITCH ASM
10500-10700 & UPC Z01-Z13
- 2 3650598 CLIP
- 3 3833294 GASKET
- 4 4778650 STRAP

- 5 3724851
- 6 6256809
- ⑤ 7 3879762
- ④ ① 8 3872872
- 9 3770344

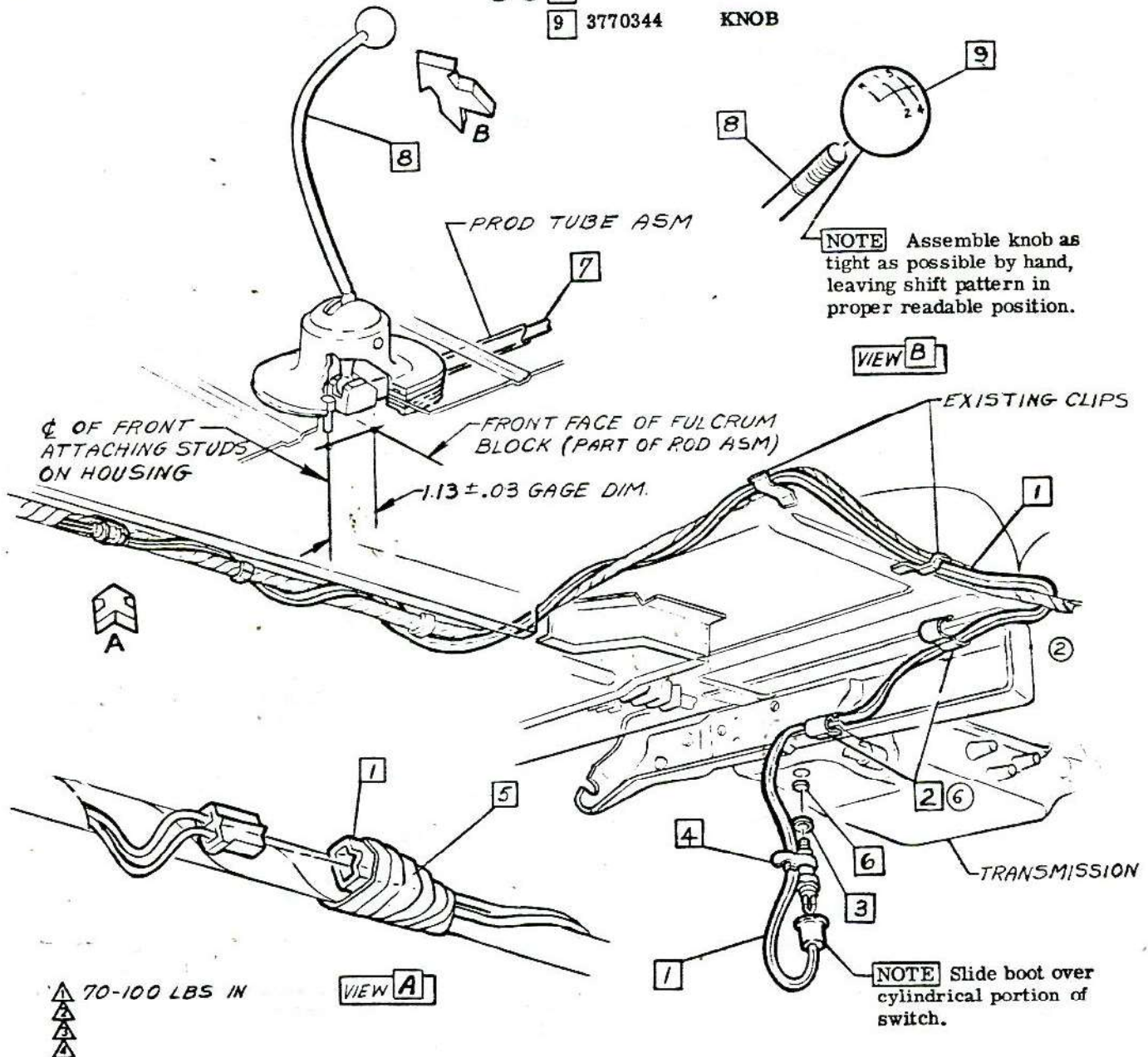
TAPE 6 INCHES
Used to tape backing lamp switch
wire to body wire harness.

PLUG 10100

ROD ASM

LEVER ASM

KNOB



• CHEVROLET MOTOR DIVISION, GMC •				UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
FOUR SPEED TRANSMISSION BACKING LAMP				M 20	7-17-64	1	REDRAWN & REDESIGNED	12/24	65172	SE DL
10000					8-26-64	2	WIRE ROUTING REVISED	15E-3	55	VP
DWG PREL 2-5-64 SD				2.	7-22-64	3	WAS 1993302 SWITCH	60592	58	
DATE REL 5-7-64						4	WAS 3859285 LEVER	66069		CP
REF: Prel. 2 L-73775 L-				SHEET 1	1-15-65	5	WAS 3870450 ROD	68911	JT	CI
L- L- L-					2-23-65	6	CLIP DRAWING REVISED	70038	74	CI



CHEVROLET

ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

SHEET

TITLE

SHEET

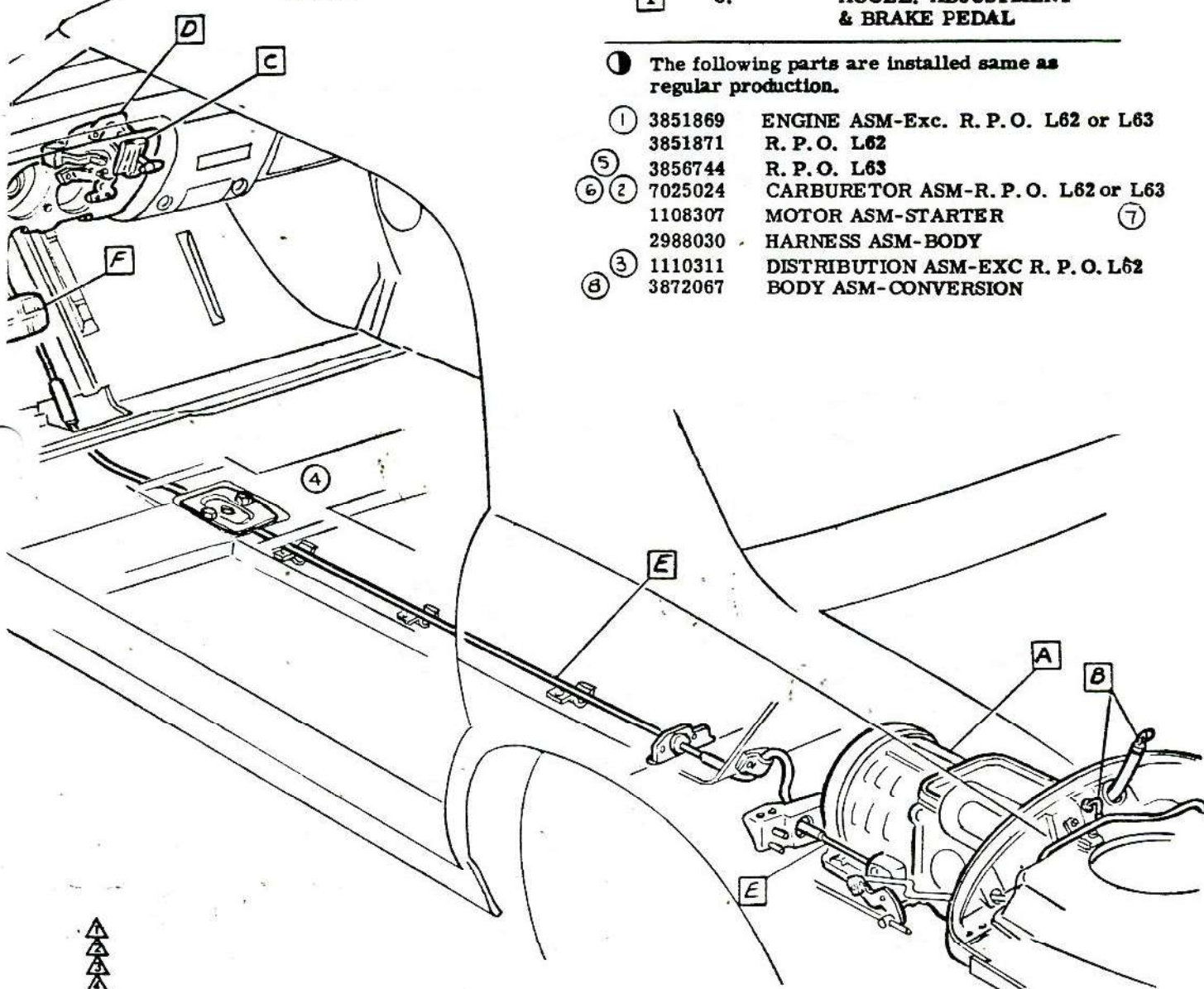
TITLE

1. CONTENTS
A 2. TRANS. TO ENGINE
B 3. VACUUM MODULATOR PIPE
& OIL FILLER TUBE
C 4. INSTRUMENT CLUSTER &
BEZEL

- D 5. CONTROL LEVER &
NEUTRAL SAFETY
SWITCH
E 6. CONTROL CABLE
ROUTING
7.
F 8. ACCEL. ADJUSTMENT
& BRAKE PEDAL

1 The following parts are installed same as
regular production.

- 1 3851869 ENGINE ASM-Exc. R. P. O. L62 or L63
3851871 R. P. O. L62
5 3856744 R. P. O. L63
6 2 7025024 CARBURETOR ASM-R. P. O. L62 or L63
1108307 MOTOR ASM-STARTER 7
2988030 HARNESS ASM-BODY
3 1110311 DISTRIBUTION ASM-EXC R. P. O. L62
8 3872067 BODY ASM-CONVERSION



CHEVROLET MOTOR DIVISION, GMC

UPC

DATE SYM

REVISION RECORD

AUTH. DR. CK.

AUTO TRANS. - CONTENTS

M35

10100-500

1.

DWG PREL 2-26 RFM REF: Prel. 8 L-73627 L-75895
DATE REL 5-18 L- L- L-

SHEET X

6-28-64	1	"R.P.O. L63" REMOVED		RM
	2	3856744 ENG. RMVD.		
	3	1110311 DISTR. ADDED		
	4	DWG. REVISED	65107	DF
7-31-64	5	3856744 ENGINE ADDED	65700	RM
	6	7025024 CARB. ADDED	65073	DF
8-17-64	7	"L63" ADDED	65700	RM/DF
9-3-64	8	3872067 BODY ADDED	66119	RM/DF

1965-230



P H E N O

ASSEMBLY INSTRUCTIONS

3862100 CORVAIR 10000 SERIES

- 1 3855724 TRANS ASM, EXC R, P.O. L62 & L 63
3855725 -R, P.O. L62
3870365 -R, P.O. L63

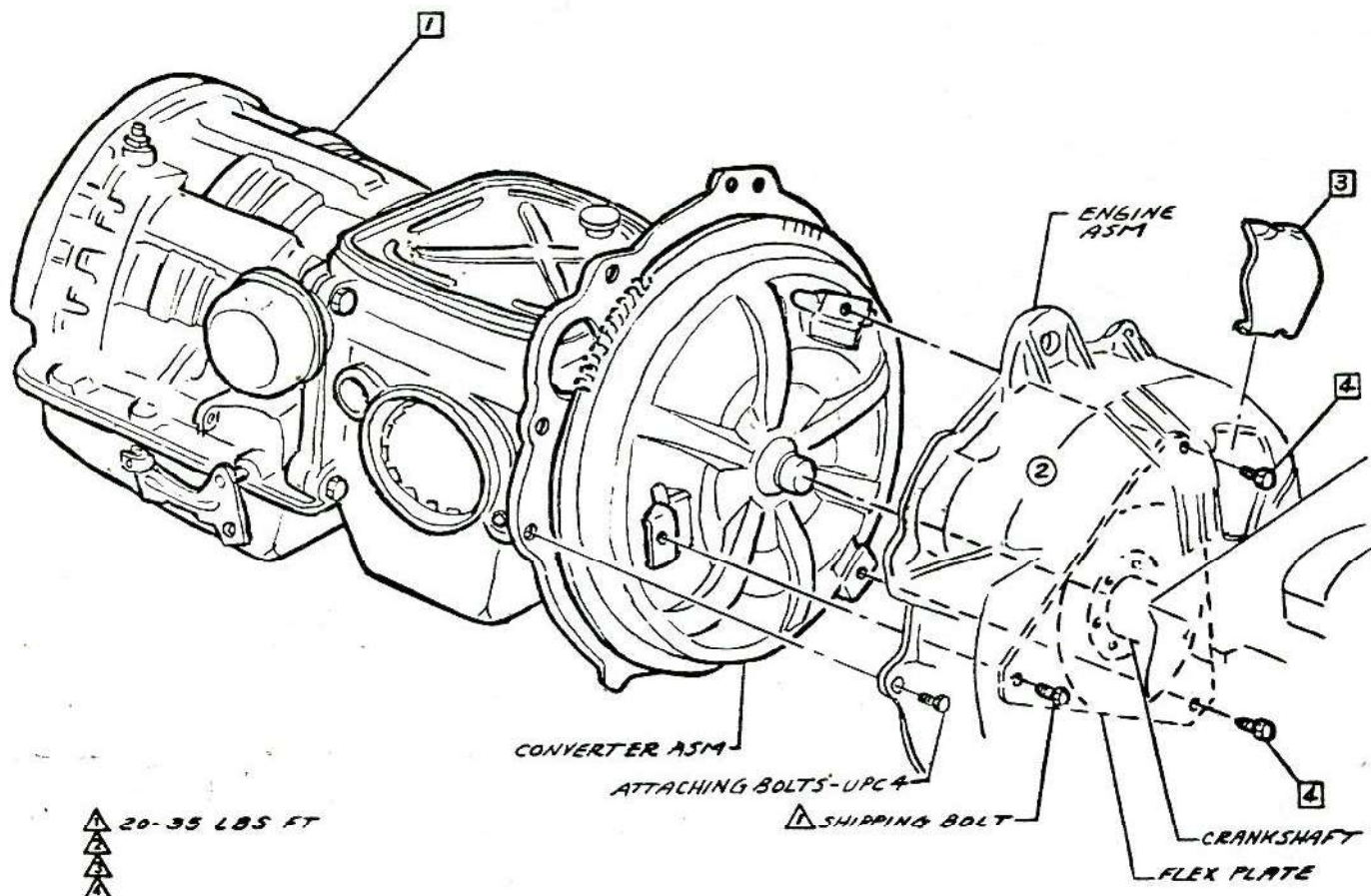
2

- 3 6255601 COVER

- 4 3799830 BOLT

Suggested Installation Procedure

1. Remove converter safety clamps. **CAUTION** Make sure that converter has not slipped forward.
2. Seat converter nose into crankshaft. Pilot differential case into engine bell housing & assembly left top bolt.
3. Drive (3) engine flex plate to converter bolts. **CAUTION** Hand start all converter bolts prior to torquing.
4. Assemble remaining differential case to engine bell housing bolts.



20-35 LBS FT
▲
▲
▲

CHEVROLET MOTOR DIVISION, GMC				UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK.
AUTO TRANS. - TO ENGINE				M35	1-7-65	7	3751692 JENT ASM REMOVED & DWG REVISED	13297	DH	CI
10100-500										
DWG PREL. 2-6				REFM	REF: Prel. /	L- 50571	L-			
DATE REL 2-6					L-	L-				
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P R E P A R E D

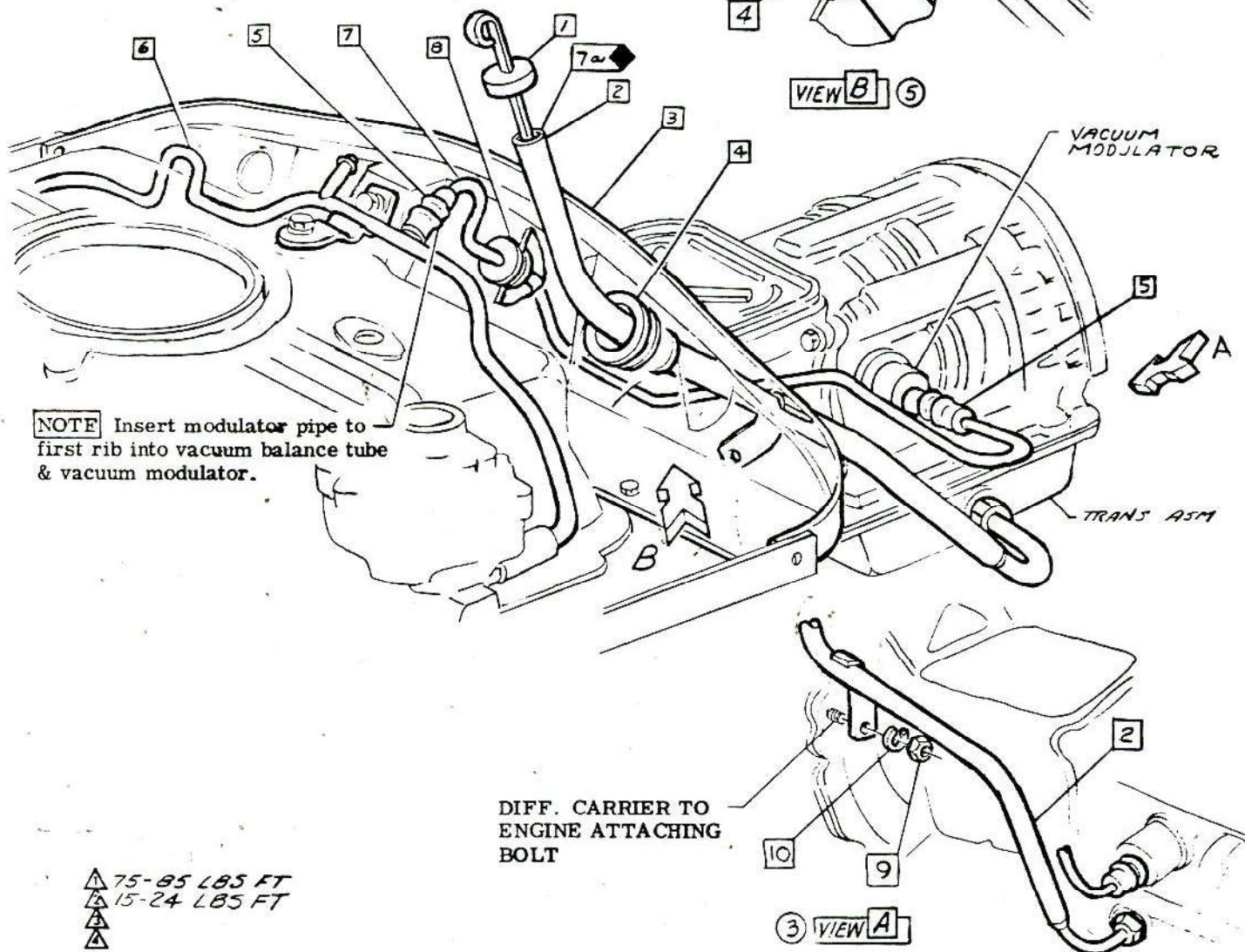
ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

- 1 3861994 GAGE ASM
- 2 3861996 TUBE ASM
- 3 3856684 SHIELD ASM-FRONT
- 4 3861999 BOOT
- 5 3785770 HOSE
- 6 3867224 TUBE ASM-EXC. UPC L63
- 7 3856719 UPC L63

- 7 3815339 PIPE-MODULATOR
- 8 3786178 GROMMET
- 9 102635 NUT
- 10 138489 L. WASHER



NOTE Insert modulator pipe to first rib into vacuum balance tube & vacuum modulator.

75-85 LBS FT
15-24 LBS FT

DIFF. CARRIER TO
ENGINE ATTACHING
BOLT

• CHEVROLET MOTOR DIVISION, GMC •				UPC	DATE	SYM	REVISION RECORD	AUTH	DR	CK
AUTO TRANS. - VACUUM MODULATOR PIPE 										



3862100

ASSEMBLY INSTRUCTIONS

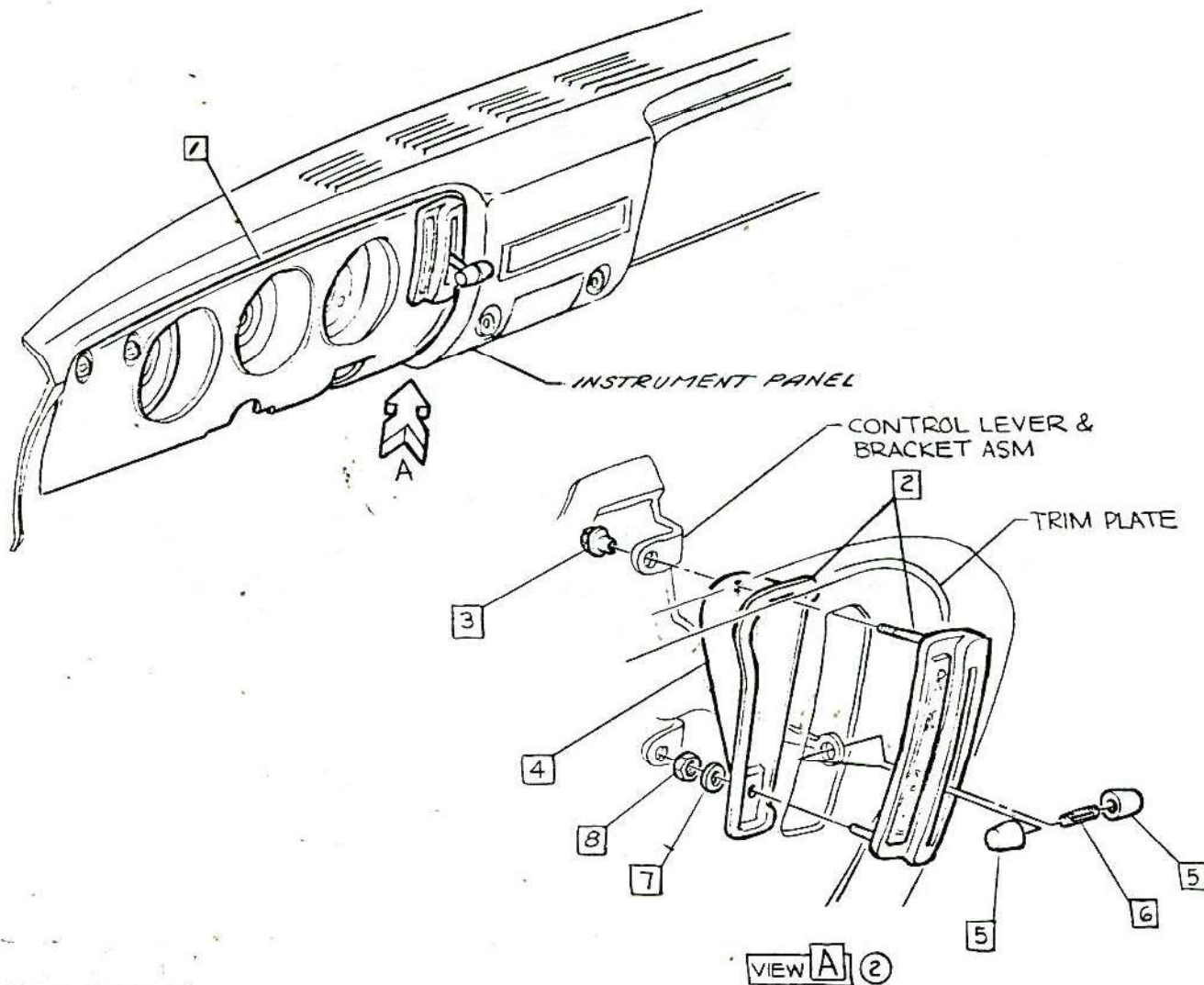
3862100

CORVAIR 10000 SERIES

- ① 6455116 INST CLUSTER ASM 10100
- 6455112 10500
- ② 3858938 BEZEL-ASM
- ③ 3862909 NUT
- ④ 3858939 HOUSING-BEZEL LAMP

- ① ② ⑤ 3861074
- ③ ⑥ 3883685
- ⑦ 3857912
- ① ⑧ 120622

- KNOB
- STUD
- P. WASHER
- NUT



- ④ 15-22 LBS. IN.
- ④ 5-10 LBS. IN.

VIEW A ②

• CHEVROLET MOTOR DIVISION, GMC •		UPC	DATE	SYM	REVISION RECORD	AUTH	DR	CK
AUTO. TRANS-INSTRUMENT CLUSTER & BEZEL ASM.			M35		7-7-64	1	TORQUE 2 ADDED	64793 RM
10100-500			4.		3-31-65	2	VIEW B REMOVED	69943 CA
DWG PREL. 2-19			REF: Prel. 3			3	WAS 3861075 STUD & DWG REVISED	
DATE REL 4-23			L- 73761 L-73627			4	TORQUE (2) WAS 15-20 LBS. IN.	CI
			L- L-		X SHEET 1			



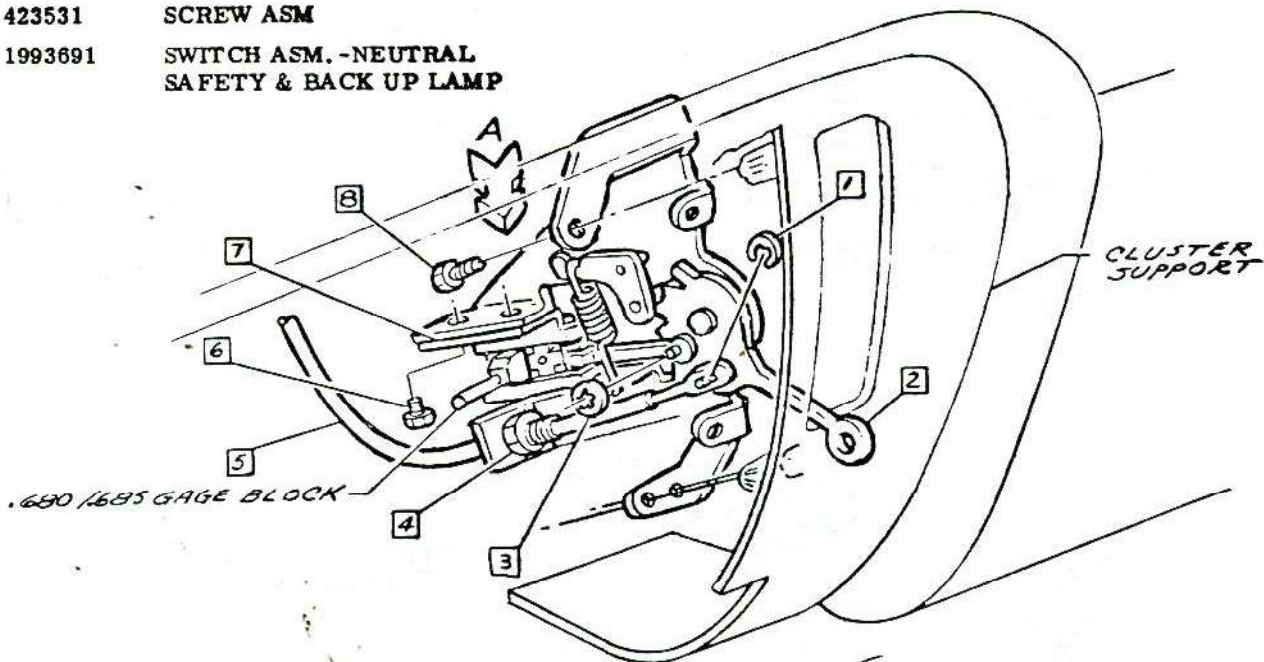
CHEVROLET

ASSEMBLY INSTRUCTIONS

3862100

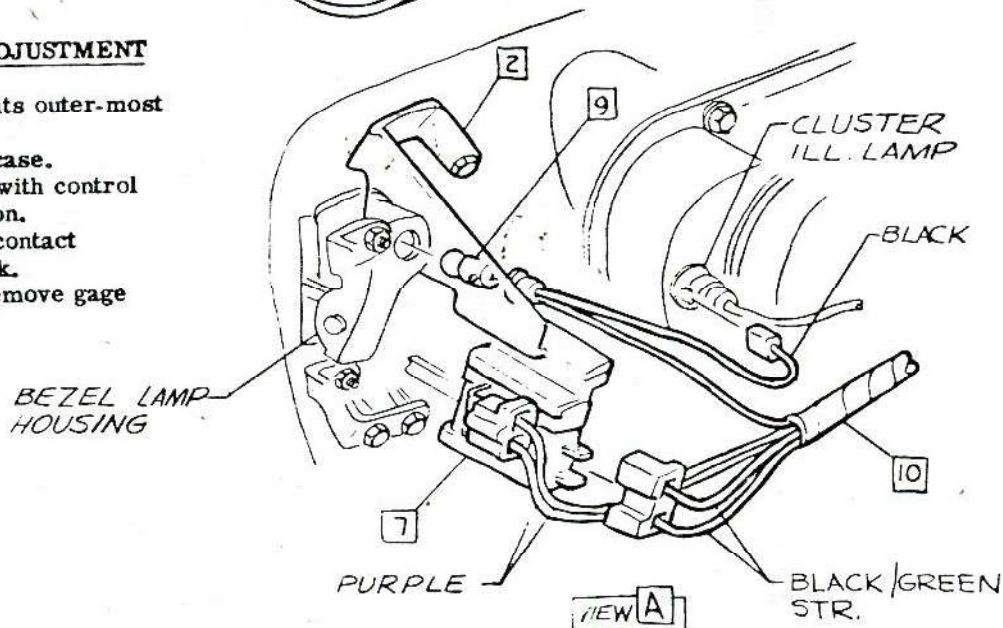
CORVAIR 10000 SERIES

- | | | | | | | |
|-----|---------|---|-------|---------|--------------------------|------|
| 1 | 9414805 | RING | ① ③ ⑧ | 9420686 | SCREW | |
| 2 | 7028980 | LEVER & BRACKET ASM. | | 9 | 274004 | BULB |
| 3 | 9413325 | RING | ② ④ ⑩ | 2989242 | HARNESS ASM. -INST PANEL | |
| ① 4 | 9420169 | NUT | | | | |
| 5 | 3861045 | CABLE ASM. | | | | |
| ② 6 | 423531 | SCREW ASM | | | | |
| 7 | 1993691 | SWITCH ASM. -NEUTRAL
SAFETY & BACK UP LAMP | | | | |



NEUTRAL SAFETY SWITCH ADJUSTMENT

1. Extend plunger in switch to its outer-most position.
2. Insert gage block in switch case.
3. Install on mounting bracket with control lever in "NEUTRAL" position.
4. Push forward on case until contact carrier is against gage block.
5. Drive attaching screws & remove gage block.



- ▲ 38-50 LBS IN.
- ▲ 15-20 LBS IN.
- ▲ 10-15 LBS IN.
- ▲

CHEVROLET MOTOR DIVISION, GMC				UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
AUTO. TRANS. - CONTROL LEVER & NEUTRAL SAFETY SWITCH				M35	6/25/64	1	1145-75-206-1) 38-50 LBS IN.	64607	DA	
						2	WAS 2326024 HARN.			
10100-500				5.						
DWG PREL-2-20 2FM REF: Prel. 4 L-73627 L-										
DATE REL 5-1 L- L- L-				SHEET						



CHEVROLET

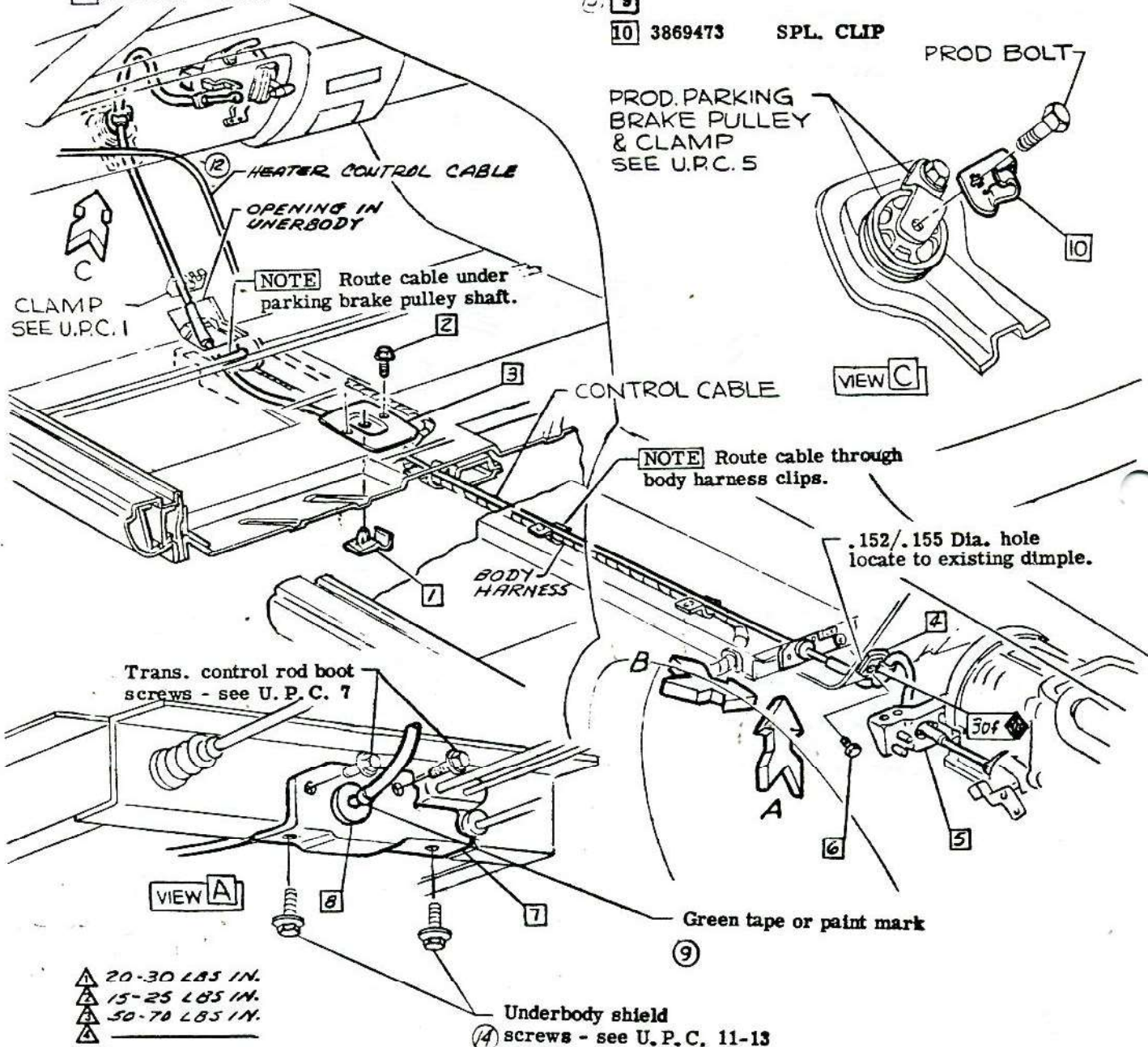
ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

- 1 3772324 CLIP-Bend tabs over at assembly.
- 10 1 2 9419699 SCREW
- 3 3869815 COVER
- 4 2295142 / CLIP

- 11 5 3876969 SUPPORT ASM
- 2 6 9417558 SCREW
- 7 3869453 PLATE
- 8 6257492 GROMMET
- 3 9
- 10 3869473 SPL. CLIP



CHEVROLET MOTOR DIVISION, GMC				UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
AUTO. TRANS - CONTROL CABLE ROUTING & INSTALLATION				M35	9-29-64	9	WAS "WHITE" TAPE	66661	RM	DF
					11-4-64	0	WAS 9414711 SCREW (C-15 LBS. IN.)	15878	RM	DF
10100-500				REF. 7.	12-7-64	11	WAS 3868633 SUPPORT	0056	BR	CI
					2-23-65	12	HEATER CABLE ADDED	63694	JM	
DWG PREL-2-25 REF: Prel. 5 L-73627 L-75895				6.		13	9421803 SCREW 50-70 LBS. IN.			
						14	UPC NOTE ADDED			CI
DATE REL 2-25 L- L- L-				X SHEET						

1965-235



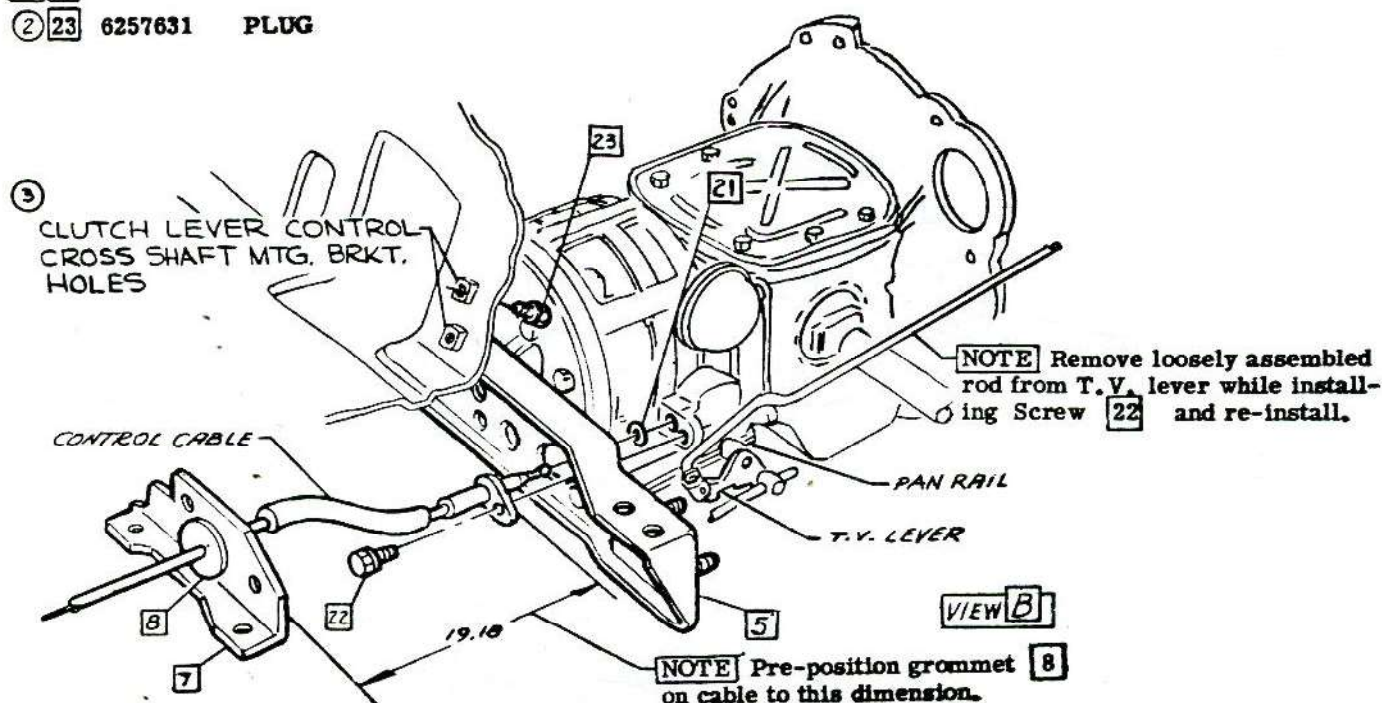
CHEVROLET

ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

- 21 6257924 SEAL "O" RING
4 22 9409107 SCREW ASM
2 23 6257631 PLUG

CONTROL CABLE INSTALLATION PROCEDURE

1. Assemble Shift Lever & Bracket to instrument cluster asm. & install to vehicle. (See UPC 12 for cluster installation.)
2. Pre-position Plate 7 & Grommet 8 to cable prior to installing on vehicle. (See View "B").
3. Poke front end of cable up into passenger compartment & attach to lever bracket. Secure cable with Clip 10 at dash panel and with Clip 1 at 3-speed hole Cover Plate 3. Route cable along with main body wiring harness to rear of tunnel.
4. Place Transmission Control Lever in "DRIVE"
5. Dip "O" Ring 21 into lubriplate before placing on cable and installing into transmission.
6. Rotate T.V. lever on transmission counter-clockwise until T.V. spring is bottomed. Insert control cable into transmission. Hold flange of control cable firmly in place against transmission case while torquing Screw 22. The T.V. lever will rotate clockwise until notch on lever at cross shaft rod hole will be parallel to transmission pan rail. This is a visual check to insure proper installation. To double check this, a light hand pressure should be applied to T.V. lever in a counter-clockwise direction.
7. Drive the grommet plate attaching Screws 9 & pull cable through grommet until white tape or paint mark is visible outside grommet.
8. Drive closed Clip 4 in kick-up area.

▲
▲
▲
▲ 38-50 LBS. IN

• CHEVROLET MOTOR DIVISION, GMC •				UPC	DATE	SYM	REVISION RECORD	AUTH.	DR.	CK.
AUTO. TRANS-CONTROL CABLE ROUTING & INSTALLATION				M35	7-27-64	1	CLIP 10 WAS CLIP 1	64597	RM	DF
					9-28-64	2	ITEM 23 ADDED	15897	RM	DF
10100-500				REF. 6. 7.		3	"HOLE" REF. ADDED			
DWG PREL-2-25				REF. PREL. 6	L-73627	L-				
DATE REL 2-25				L-	L-	L-				
				SHEET	X					

1965-236



CHEVROLET

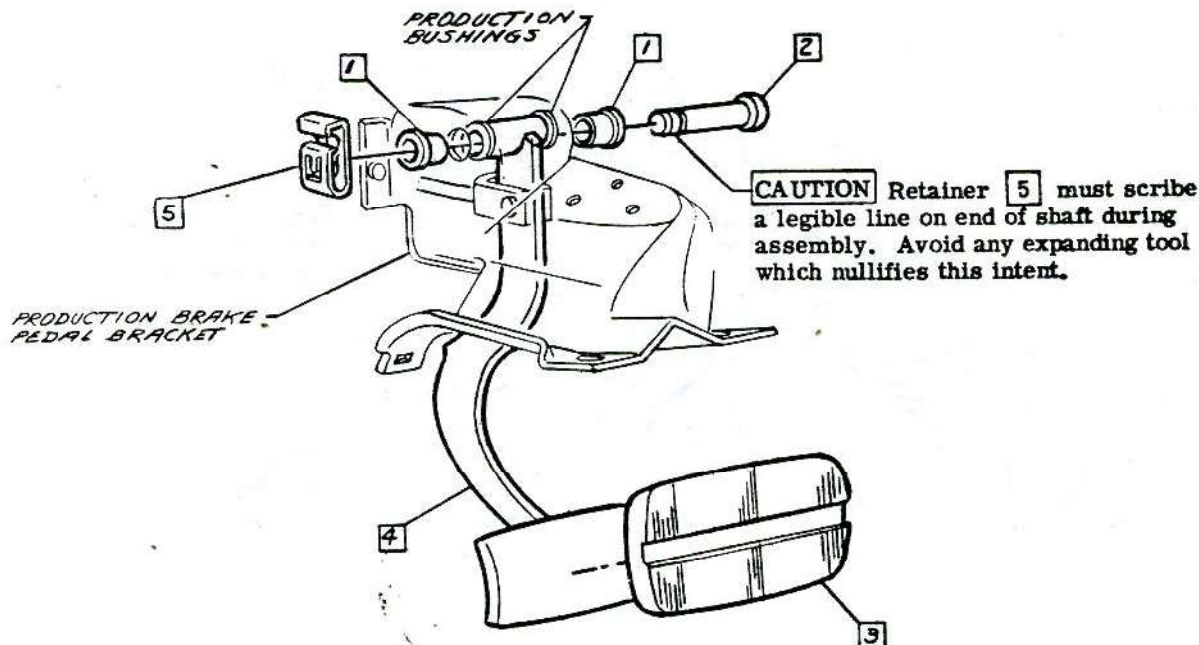
ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SER 5

- 1 3798256 BUSHING
2 3857914 SHAFT
3 3745991 COVER

- 4 3857886 PEDAL ASM. -BRAKE
5 3848428 SPL. RETAINER

AUTOMATIC TRANSMISSION ACCELERATOR ADJUSTMENT PROCEDURE

Adjustment procedure is identical to Regular Production with two exceptions. These are outlined as follows:

1. The automatic transmission T. V. lever has an internal stop at wide open detent. Rotate T. V. lever clockwise to this stop when making accelerator adjustment.
2. Depress accelerator pedal to within 1-5/8 INCHES of toe sheet metal to compensate for the additional loading caused by the T. V. lever detent spring.



• CHEVROLET MOTOR DIVISION, GMC •		UPC	DATE	SYM	REVISION RECORD	AUTH.	DR.	CK.
AUTO. TRANS. -ACCELERATOR ADJUSTMENT & BRAKE PEDAL ASM.			M 35	7-27-64	1 WAS 1-1/2 INCHES	4798	RM	DF
10100-500			8.					
DWG PEEL-2-25	RFM	REF: Prel. 7	L- 71402	L-				
DATE REL 2-25		L-	L-	L-				
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1965-237



P H A S E I I I

ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

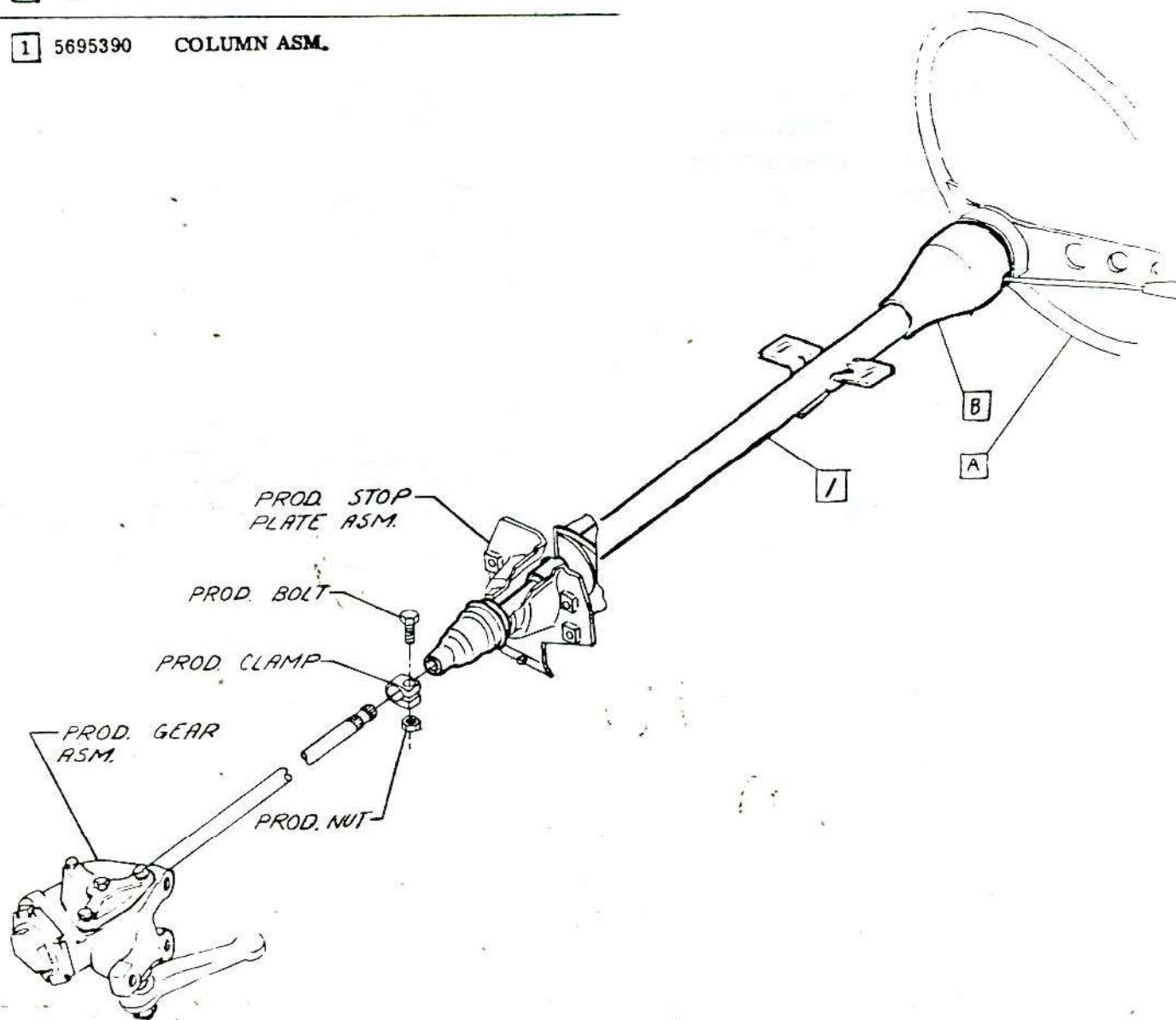
SHEET TITLE

1. CONTENTS

A 2. STEERING WHEEL & HUB

B 3. ASSEMBLY PROCEDURE-UPPER END

1 5695390 COLUMN ASM.



▲ 22-27 LBS FT
▲
▲
▲

NOTE For recommended assembly procedure see UPC 9 PHASE III

CHEVROLET MOTOR DIVISION, General Motors				UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
CONTENTS - TELESCOPIC STEERING SHAFT EQUIP.				N36	2-23-65	3	RECRAMIN F REVISED	W. J. J. J. J.		
10000				1.						
DWG. NO. 3-18-64	WE	REF: Preh. /	L-75033	L-						
DATE 3-18-64		L-	L-	L-						
				<input type="checkbox"/> SHEET <input checked="" type="checkbox"/>						

1965-238

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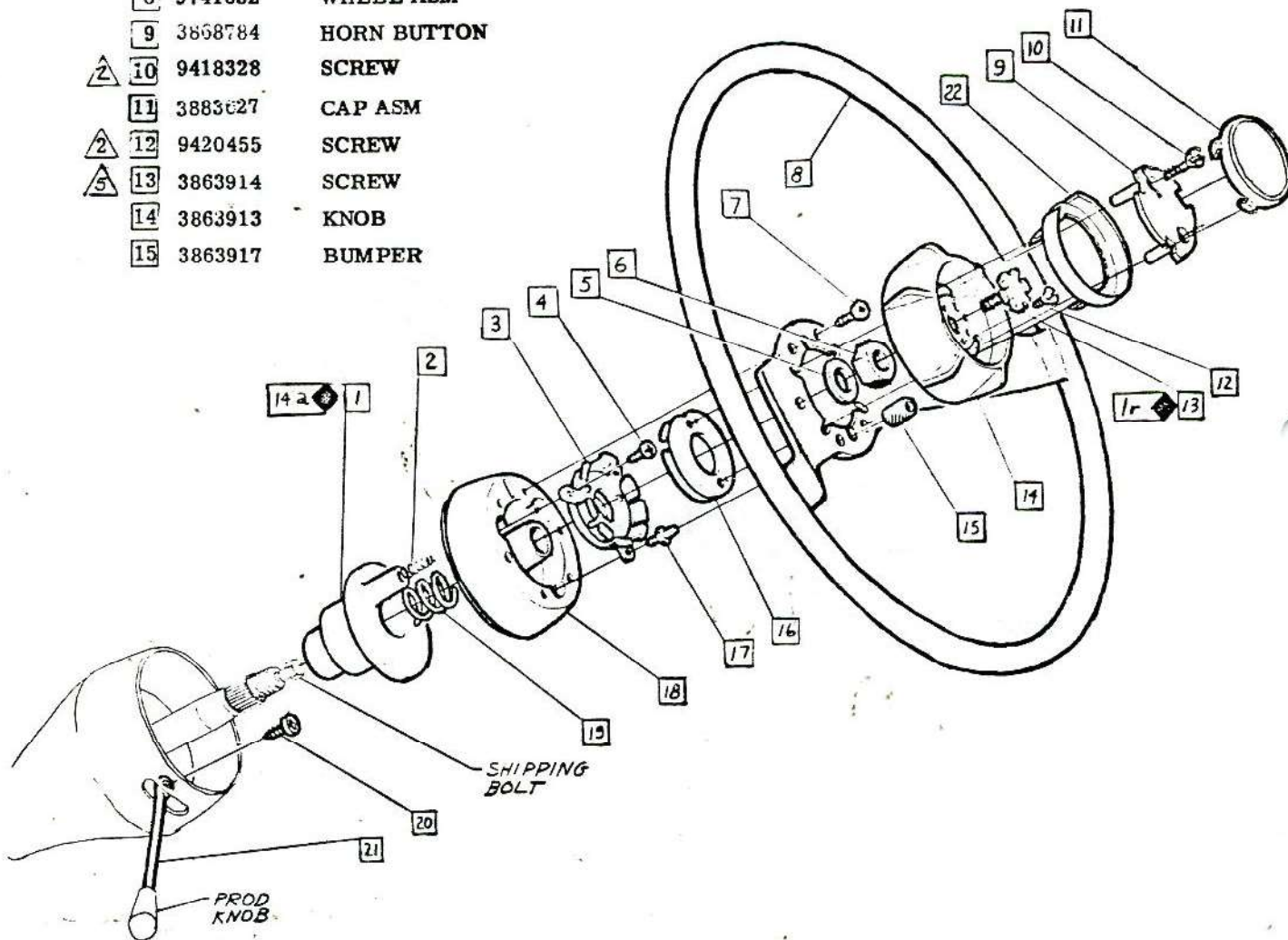
ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

- 1 3863911 CAM ASM
- ② 2 3883684 SPRING
- 3 3863904 CONTACT ASM
- ③ 4 9420146 SCREW
- 5 3863921 P. WASHER
- ① 6 114497 NUT
- ② 7 9418712 SCREW
- 8 9741032 WHEEL ASM
- 9 3868784 HORN BUTTON
- ② 10 9418328 SCREW
- 11 3883627 CAP ASM
- ② 12 9420455 SCREW
- ③ 13 3863914 SCREW
- 14 3863913 KNOB
- 15 3863917 BUMPER

- ① 16 3863909 PLATE
- ③ 17 3863910 SCREW
- 18 3863902 HUB ASM.
- 19 3863915 SPRING
- ④ 20 9421137 SCREW
- 21 3840903 LEVER
- 22 3874633 LINER



- ③ 30-40 LBS. FT.
- ② 20-30 LBS. IN.
- ① 15-20 LBS. IN.
- ④ 10-20 LBS. IN.
- ⑤ 35-45 LBS. IN.

• CHEVROLET MOTOR DIVISION, GMC •				UPC	DATE	SYM	REVISION RECORD	AUTH	DR	CK
TELESCOPING STEERING SHAFT EQUIP				N36	1-23-65	13	TELESCOPING SHAFT	70338	CS	
STEERING WHEEL & HUB						14	WAS 3863916 SPRING	70122	MM	CI
10000				REF 3						
DWG PREL 2-N-64				2.						
DATE REL 4-7-64				SHEET						
REF: Prel. 2 L-75033 L-75571										
L- L- L-										



P H I L L I P S

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ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

RECOMMENDED ASSEMBLY PROCEDURE

①

(UPPER END)

1. Asm prod direction signal control lever knob to direction signal control lever [21] . Heat knob to 100° - 130° F. before asm.
2. Asm lever to direction signal control switch. Tighten screw [20] .
3. Asm direction signal cancelling cam [1] to the steering shaft until cam contacts the direction signal switch bearing. **NOTE** Direction signal lever must be in the neutral position before assembling the cam.
4. Asm steering shaft upper bearing spring [19] to the steering shaft until contact with cam is made.
5. Asm steering wheel hub [18] to steering shaft. Line up mark on hub with mark on shaft. Line up tower on cam with hole in hub. Tighten nut & washer [5], [6] .
6. Insert horn contact spring [2] into sleeve on cam.
7. Asm horn blowing contact [3] to hub. Line up mark on contact with mark on hub. Tighten lock knob stop pin [17] 180° opposite mark on hub. Tighten screw [4] . (2 places).
8. Asm steering-wheel [8] to hub. Line up mark on wheel with mark on hub. Tighten screw [7] (6 places).
9. Asm lock knob bumper [15] to lock knob stop pin [17] .
10. Asm horn button plate [16] into horn blowing contact [3] . Line up mark on horn button plate with mark on contact.
11. Insert lock knob adjuster screw [13] through center hole in lock knob [14] .
12. Remove shipping bolt & insert adjuster screw [13] into end of steering shaft & tighten to 35-45 inch-lbs. Turn lock knob [14] clockwise until contact is made with stop pin [17] . Line up any two cut outs in adjuster screw [13] with nearest two holes in lock knob [14] .
13. Asm lock knob [14] to lock knob adjuster screw [13] with screw [12] . (2 places).
14. Position spring [22] in lock knob. Asm horn button [9] to horn button plate [16] .
② Line up pins on horn button with holes in horn button plate & spring. Line up mark on horn button with mark on horn button plate. Tighten screw [10] (2 places).
15. Asm emblem [11] to horn button [9] by pushing tangs on retainer into slots in horn button (3 places).



CHEVROLET MOTOR DIVISION, GMC				UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
TELESCOPIC STEERING SHAFT EQUIP ASSEMBLY PROCEDURE-UPPER END				N36	8-12-64	1	ITEM SYMBOLS PENUMBERED TO AGREE WITH SHEET 2.	—	NS	
						2	STEPS 14-15 REVISED	c4652	DF	
10000				REF 2						
DWG PREL 3-17-64				3.						
DATE REL 5-7-64				SHEET						
REF: Prel. 3 L-75033 L-										
L- L- L-										



P H B O O L E Y

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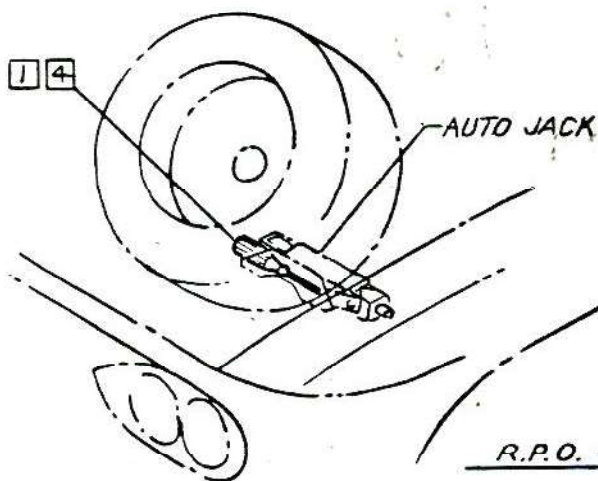
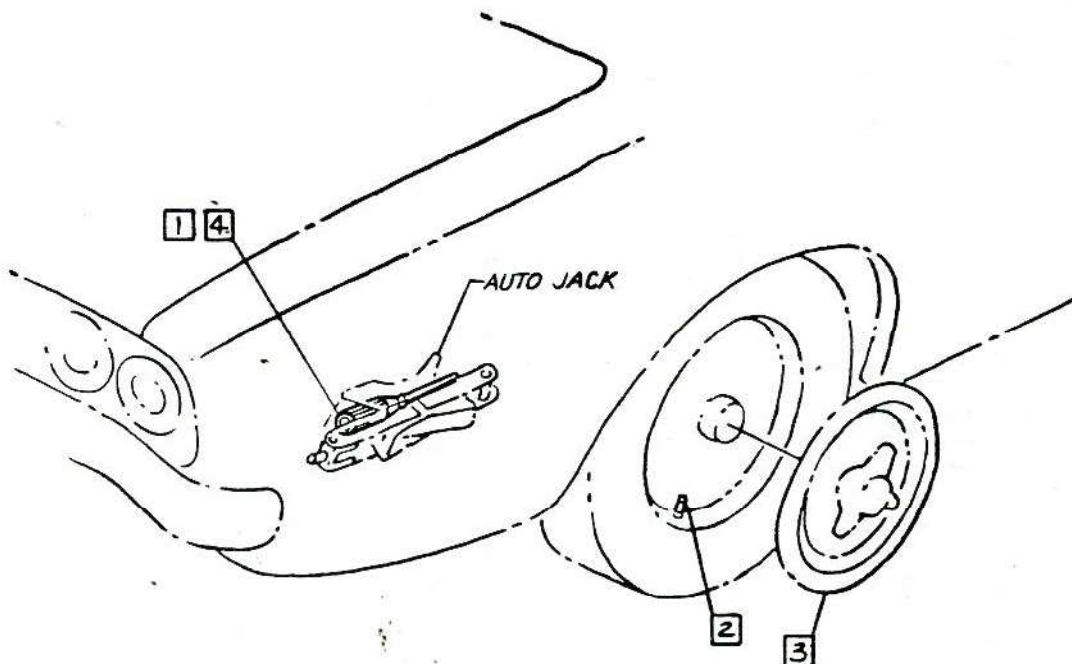
ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

- 1 3798116 SCREW DRIVER
2 9417730 EXTENSION

- 3 COVER ASM-(See misc shipping list-UPC 14)
4 Insert screw driver into auto jack opening.



R.P.O. C64



CHEVROLET MOTOR DIVISION, GMC		UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
WHEEL TRIM COVER EQUIPMENT		P02						
10000		1.						
DWG PREL. 228	EL	REF: Prel. J	L-65004	L-65030				
DATE REL. 228		L-72279	L-	L-				
		SHEET X						



P H E T O G R A P H

ASSEMBLY INSTRUCTIONS

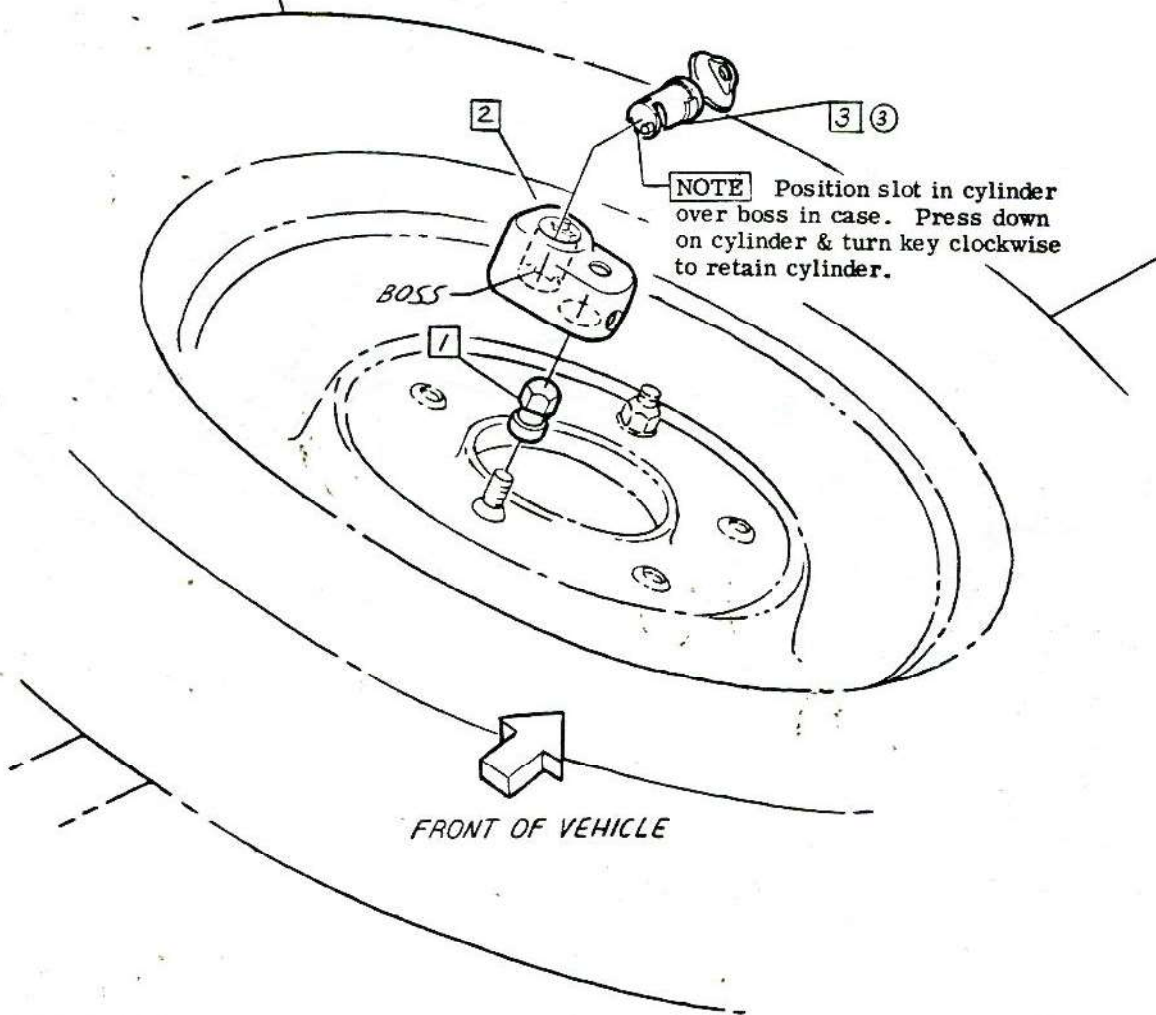
3862100

CORVAIR 10000 SERIES

⚠ 1 3854360 NUT-SPECIAL

2 3794104 CASE ASM
② 3 3830927 LOCK

NOTE Stow tire with air valve
downward & toward centerline of vehicle.



NOTE Position slot in cylinder
over boss in case. Press down
on cylinder & turn key clockwise
to retain cylinder.

FRONT OF VEHICLE

⚠ 75-95 LBS. IN.



• CHEVROLET MOTOR DIVISION, GMC •				UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
SPARE WHEEL LOCK				P19	6-25-64	1	REDRAWN & REVISED	62512	RC	HB
					9-23-65	3	ITEM 3 ADDED WAS FISHER BODY PROVIDED	63737	AM	CI
10000				1.						
DWG PREL. 2-13		EL	REF: Prel. 1	L- 72279	L-					
DATE REL. 2-13			L-	L-	L-					
				SHEET						

1965-242

WZ

CHEVROLET

ASSEMBLY INSTRUCTIONS

3862100

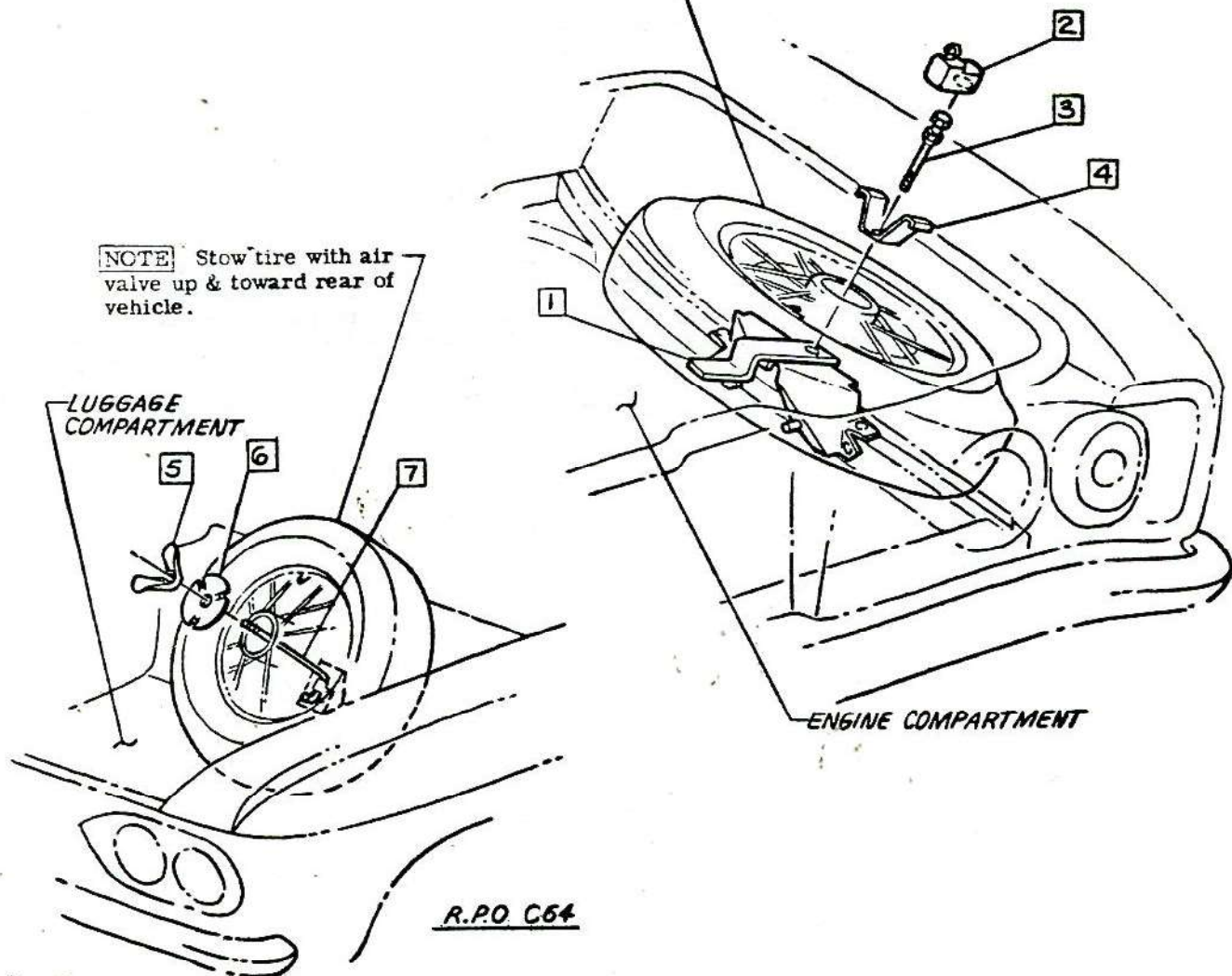
CORVAIR 10000 SERIES

- 1 357851 CARRIER ASM
- 2 3794103 LOCK & CYLINDER ASM
- 3 3857852 BOLT
- 4 3861887 STRAP
- 5 3727540 NUT ASM

- 6 3862917 SPL. WASHER
- 7 3859066 BOLT

NOTE Stow tire with air valve up & toward centerline of vehicle.

NOTE Stow tire with air valve up & toward rear of vehicle.



R.P.O. C64

75-95 LBS IN.

CHEVROLET MOTOR DIVISION, GMC				UPC	DATE	SYN	REVISION RECORD		AUTH	DR	CE
SPARE TIRE STOWAGE				P45	2.	X	SHEET				
10000											
DWG PREL. 3-11	EL	REF: Prel. 2	L-65004	L-73201							
DATE REL. 5-20		L-	L-	L-							



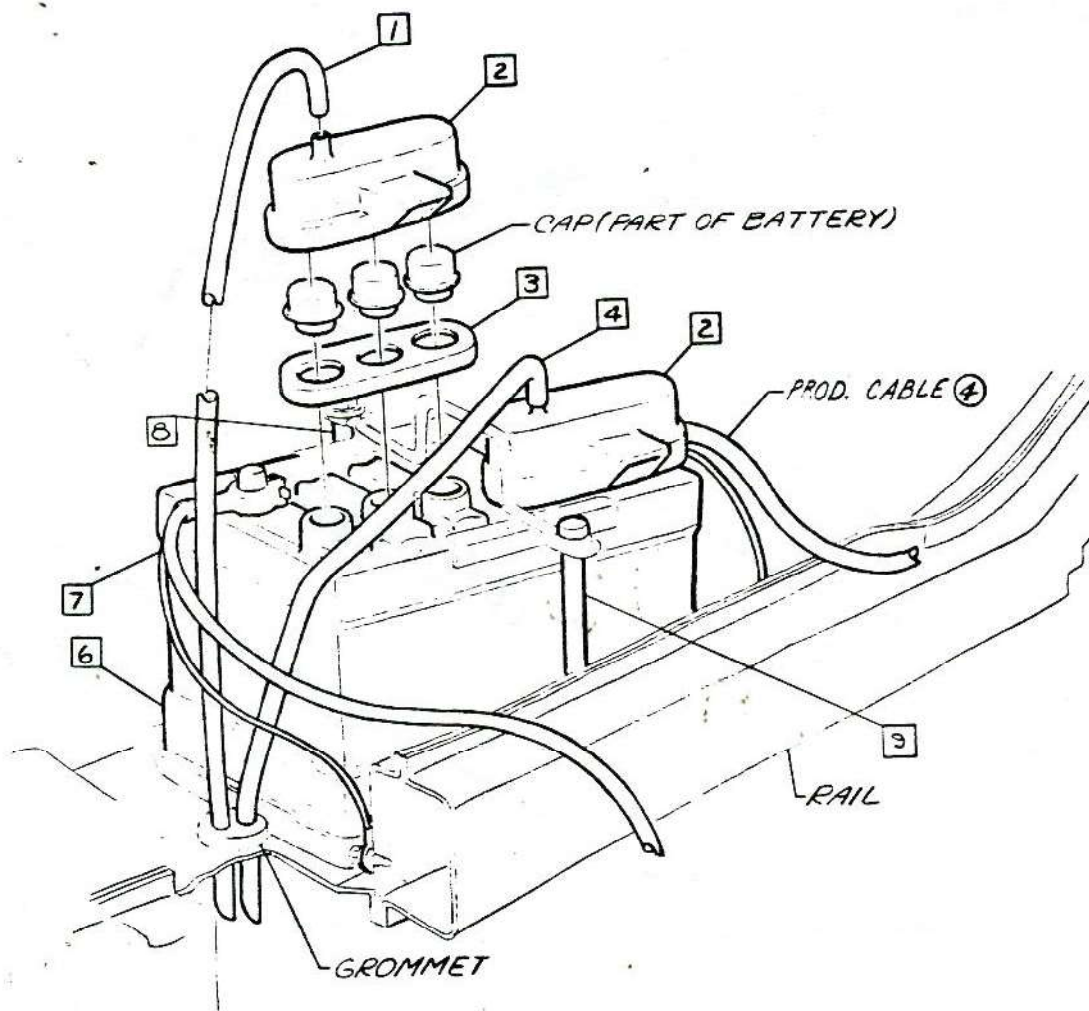
CHEVROLET

ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

- | | | | | | |
|-----|---------|------------------------|-----|---------|----------------------|
| 1 | 3776834 | HOSE-VENT FRONT | 6 | 1980568 | BATTERY |
| 2 | 3863987 | COVER-BATTERY CAP | ② 7 | 6286146 | CABLE ASM (NEGATIVE) |
| 3 | 3863986 | BASE-BATTERY CAP COVER | ① 8 | 3848495 | BOLT |
| 4 | 3812819 | HOSE VENT REAR | ① 9 | 3714197 | BOLT |
| ③ 5 | | | | | |



CHEVROLET MOTOR DIVISION, GMC				UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
HEAVY DUTY BATTERY				T60	7-2-64	1	ITEM 883 ADDED	64798	LD	DF
					7-16-64	2	WAS 2987283 CABLE	66624	WD	DF
10000				1.	12-30-64	3	2387281 CABLE REMOVED	68037	BR	
						4	HAS ITEM 5			CI
DWG PREL. 3-27				WO	REF: Prel. 1	L-75144	L-			
DATE REL. 3-27					L-	L-	L-			
				SHEET						



CHEVROLET

ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

SHEET

TITLE

SHEET

TITLE

- A1. CONTENTS
A2. RECEIVER & SPEAKER
A3.
B A4. CAPACITORS
C A5. GROUND STRAPS & CLIP

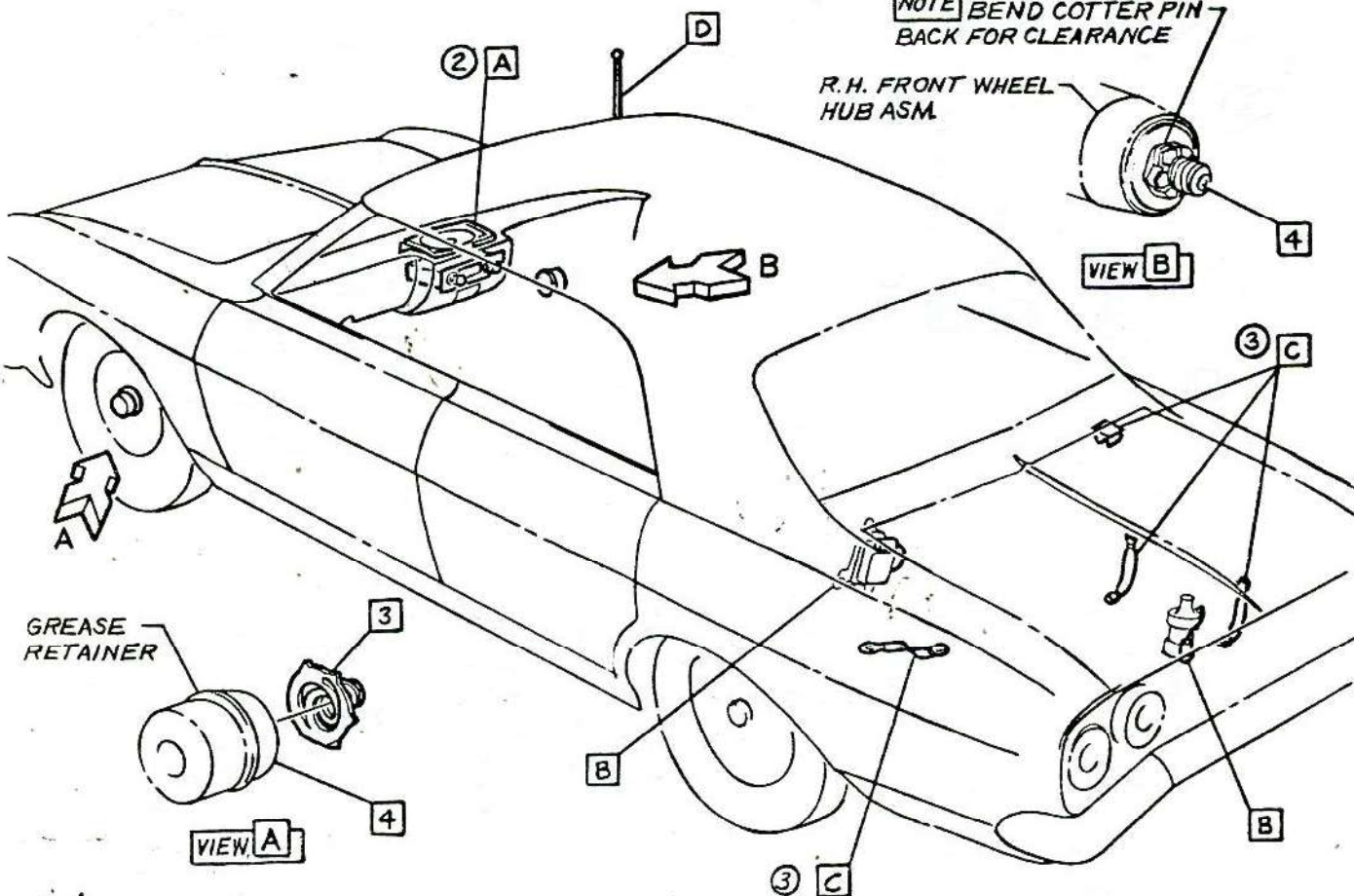
- D B1. FRONT ANTENNA

- ① 1 106652 FUSE - Insert in receptacle marked "radio" on fuse panel asm. Ref. UPC 12.
2 U69 instruction sheet & FM booklet - Ref. UPC 14 - Misc. shipping list.

- 3 7290971 STATIC COLLECTOR ASM. L. H.
7276494 R. H.
4 Remove all grease from grease retainer & lathe hole before installing static collector.

NOTE BEND COTTER PIN BACK FOR CLEARANCE

R.H. FRONT WHEEL HUB ASM.



CHEVROLET MOTOR DIVISION, GMC				UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
RADIO CONTENTS — U60 MANUAL, U63 PUSH BUTTON, U69 AM/FM				U60 U63-U69	7-2-64	1	WAS 9419783	62261	NM	
						2	WAS SYMBOL C	64798		
						3	WAS SYMBOL A (2 PLACES)			DP
10000				A1.						
DWG PREL 4-16-64 WM REF: Prel. / L-72227L-				SHEET X						
DATE 4-16-64 L- L- L-										



CHEVROLET

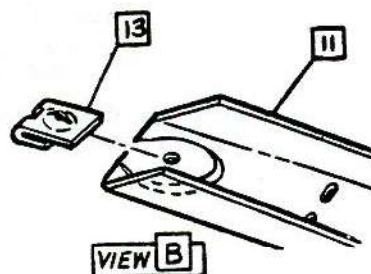
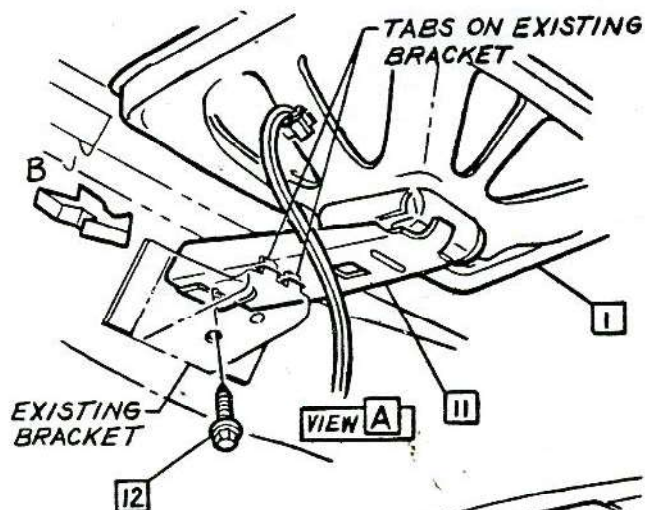
ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

- | | | | | | |
|-----|---------|---------------------|----|---------|-------------------|
| ① 1 | 7289731 | SPEAKER ASM | 9 | 3860550 | TRIM PLATE |
| 2 | 3858843 | CLIP | 10 | 7289311 | RECEIVER ASM- U60 |
| ① 3 | 7279805 | NUT | | 7289331 | U63 |
| 4 | 3860553 | CONTROL KNOB SPACER | | 7290581 | U69 |
| 5 | 7278015 | SPACER | 11 | 3860549 | BRACKET |
| 6 | 3844066 | TAG (U69 ONLY) | 12 | 9420878 | SCREW |
| 7 | 3860189 | KNOB ASM | 13 | 3849974 | "U" NUT |
| 8 | 3860552 | TONE CONTROL KNOB | | | |

- 14 2 req'd-To clip front antenna cable to inst panel reinf.
- 15 1 req'd-This location to clip rear antenna cable to inst panel reinf.



UPC U73-REAR ANTENNA CABLE ASM.(INSTALLED TO THIS POINT BY FISHER)

FRONT ANTENNA CABLE ASM.

▲ 45-60 LBS.IN.
▲ 10-15 LBS.IN.
▲

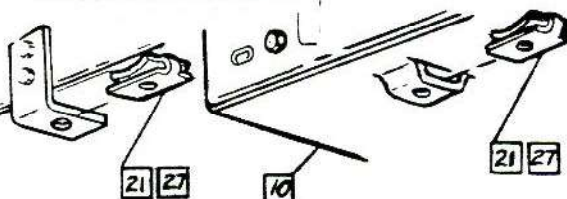
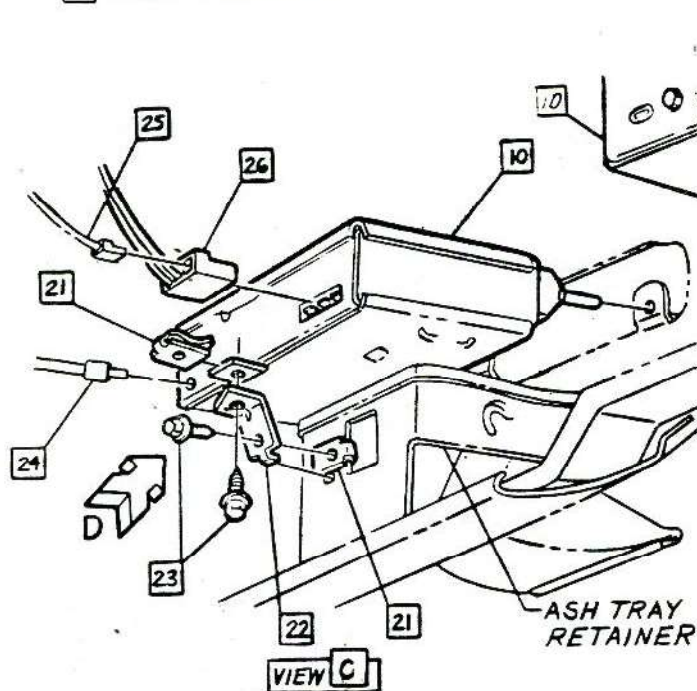
CHEVROLET MOTOR DIVISION, GMC.		UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
RADIO RECEIVER & SPEAKER		U60	9-3-64	1	NAS 3860185 NUT	65065	GB	DF
10000		U63-U69						
REF. A3.								
A2.								
X SHEET								
DWG PREL 4-9	WM	REF: Prel. A3	L- 72227	L-				
DATE 4-9-64		L-	L-	L-				

- 21 9420153 "U" NUT
- 22 3860554 BRACKET
- 1 23 9420415 SCREW
- 24 Antenna cable lead-in

- 25 Radio connector-black w/yellow stripe wire (part of harness asm)

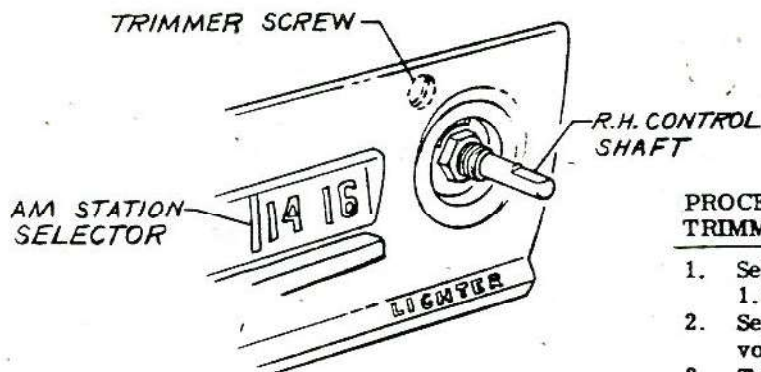
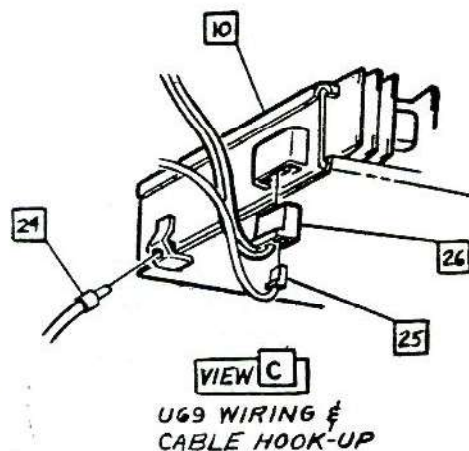
- 26 Speaker connector

- 2 27 "U" Nut must be installed from direction shown.



VIEW D
U-63 "U" NUT
TO RECEIVER

VIEW D
U-69 "U" NUT
TO RECEIVER



30-40 LBS. IN.

PROCEDURE FOR PEAKING THE ANTENNA TRIMMER:

1. Set antenna mast at a height of 31± 1.0 inches
2. Set volume control knob at maximum volume.
3. Tune radio to a signal at or near 1400 KC on the AM scale.
4. Adjust antenna trimmer screw (±2° screw rotation) until maximum volume is received
5. Turn receiver off.

CHEVROLET MOTOR DIVISION, GMC				UPC	DATE	SYM	REVISION RECORD		AUTH.	DR	CK
RADIO RECEIVER & SPEAKER				U60 U63-U69 REF. A2. A3.	8-25-64	1	VIEW D REVISED		—	SB	
10000						2	ITEM 27 ADDED				HB
DWG PREL 4-13 WM REF: Prel. A4 L-72227 L-											
DAT. 4-13-64 L- L- L-				SHEET							



PRELIMINARY

ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

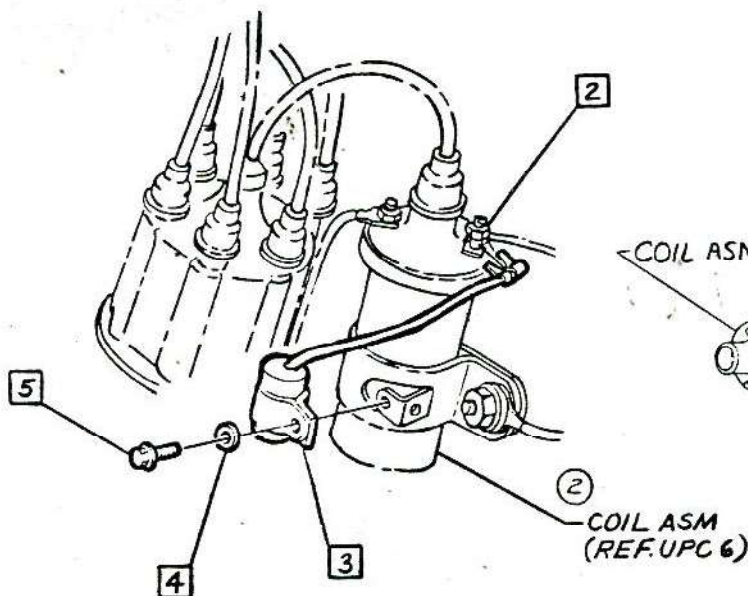
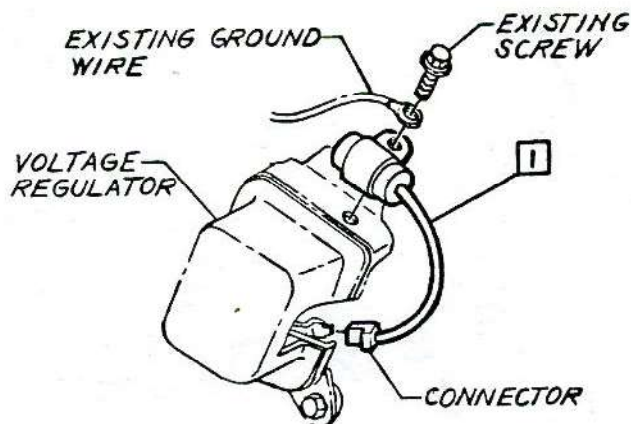
1 1964086 CAPACITOR ASM

2 9412180 SCREW

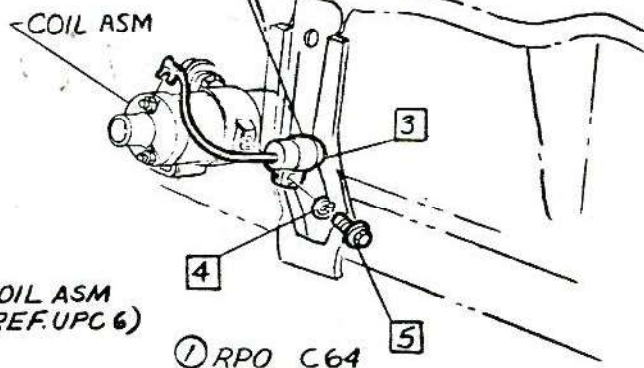
1 Nut-positive (+) post-loosen nut & allow terminals to be positioned between nut & clip.

3 1947452 CAPACITOR ASM

4 121752 L. WASHER



NOTE Rework 3 by removing capacitor from clamp & reinserting clamp 180° from standard position.



25-35 LBS. IN.
16-22 LBS. IN.

CHEVROLET MOTOR DIVISION, GMC				UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
RADIO CAPACITORS				U60	3-4-65	1	CAPACITOR DELIVERED	8894	JC	
				U63-U69		2	COIL DWG REVISED			CI
10000				A4.						
DWG PREL 3-26-64 WM REF: Prel. A2 L-72227L-				X SHEET 1						
DATE 3-26-64 L- L- L-										



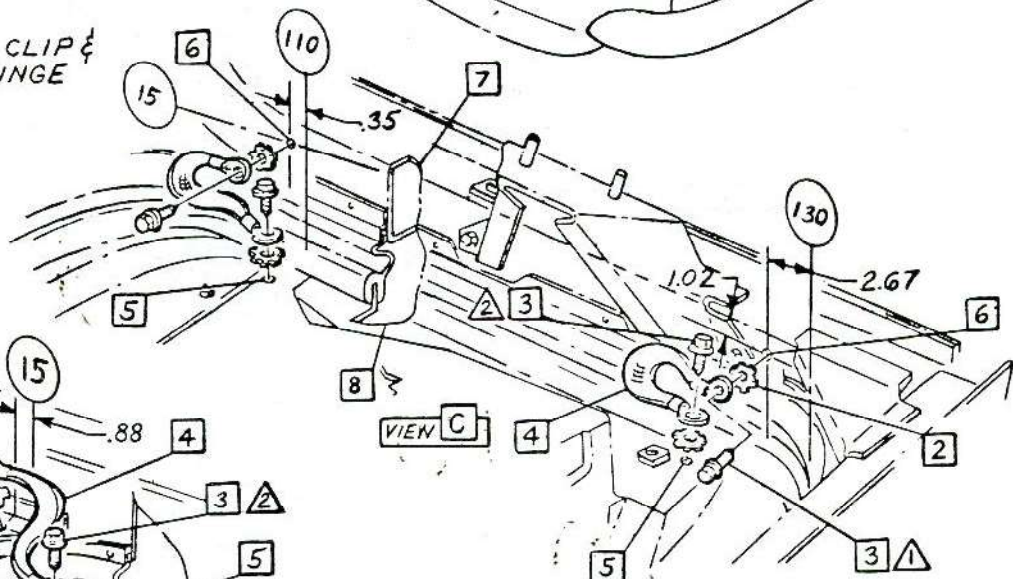
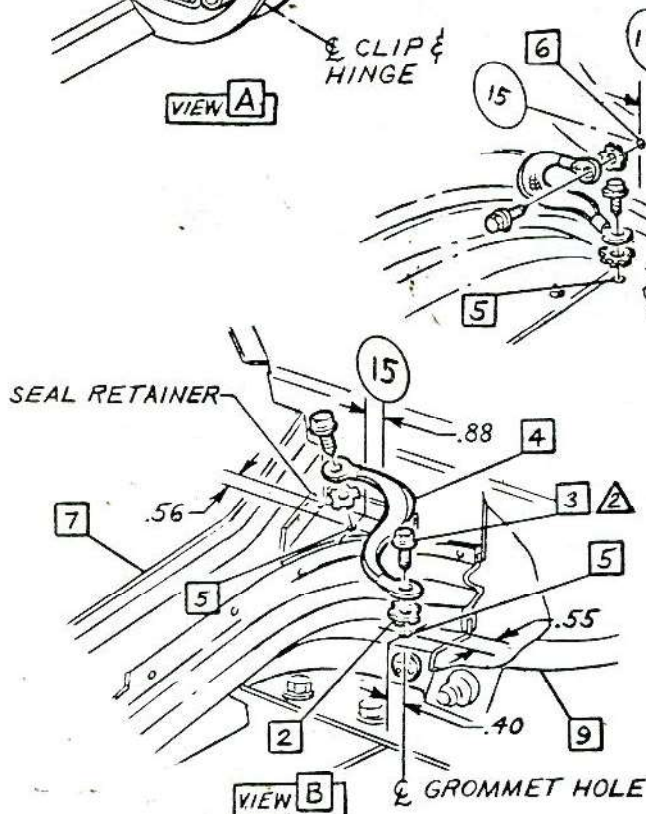
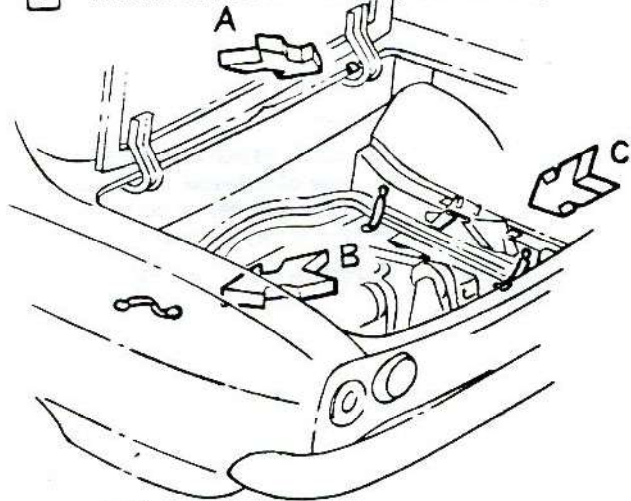
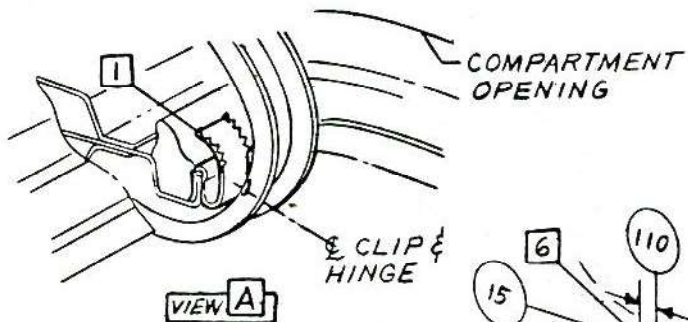
1 2 3 4 5 6 7 8 9 10 11 12

ASSEMBLY INSTRUCTIONS

3862100 CORVAIR 10000 SERIES

- ② ① 3873770 SPECIAL CLIP
- ② 121753 L. WASHER
- ③ ③ 3880902 SCREW
- ① ④ 2976656 STRAP ASM. -GROUND
- ⑤ .185/.188 DIA. HOLE THRU EXISTING DIMPLE
- ⑥ .204/.207 DIA. HOLE IN SIDE INNER RAIL

- ⑦ SIDE INNER RAIL
- ⑧ ENGINE SIDE SHIELD (REF UPC 6)
- ⑨ ENGINE FRONT SHIELD (REF UPC 6)



▲ 35-50 LBS. IN.
▲ 10-15 LBS. IN.
▲

• CHEVROLET MOTOR DIVISION, GMC •				UPC	DATE	SYM	REVISION RECORD	AUTH	DR	CK
RADIO GROUND STRAPS & CLIP				U60 U63-U69	7-22-64	1	WAS 2974198 STRAP	65253	EL	MS
					10-26-64	2	WAS 3860555 CLIP & DWG. REVISED.	15889	MM	
10000				A5.	3-19-65	3	WAS 9420415 SCREW			HB JL CI
DWG PREL 2-19-64 WM REF: Prel. A1 L-74776 L- DATE 2-19-64 L- L- L-					SHEET X					



ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

1 3849461 CAP-For shipping purposes only. Remove before installing rod & mast asm.

2 3863499 CAP

3 3869517 BEZEL

4 3820672 GASKET

5 3863239 GROUND RING-Installed on pins of antenna body with flat directly below notch in fender & key on bezel.

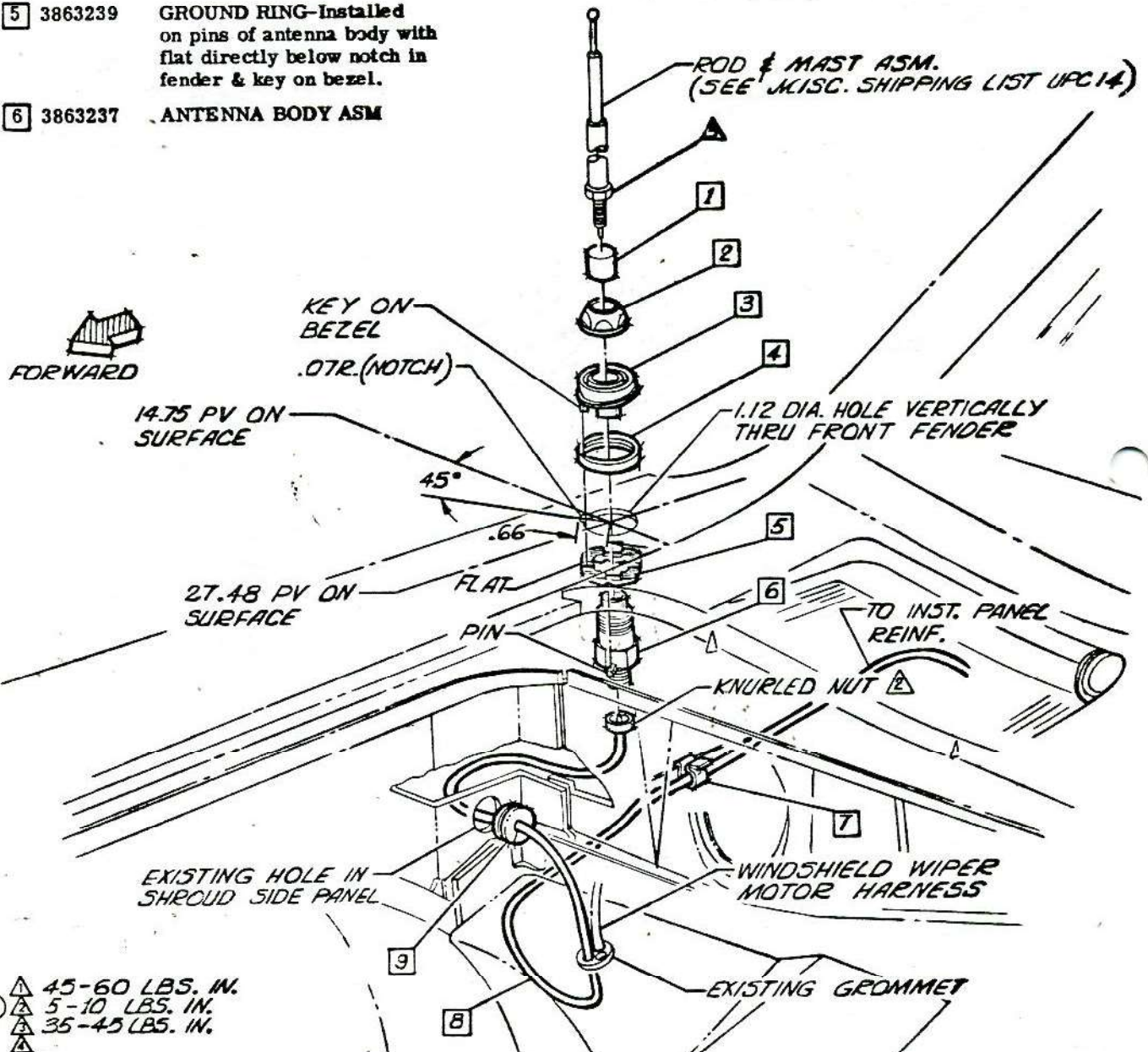
6 3863237 ANTENNA BODY ASM

7 3827371 CLIP-Secure to top of kick pad.

8 3869518 CABLE ASM LEAD-IN

9 3786405 GROMMET

11 8



45-60 LBS. IN.
5-10 LBS. IN.
35-45 LBS. IN.

CHEVROLET MOTOR DIVISION, GMC				UPC	DATE	SYN.	REVISION RECORD	AUTH.	DR	CK
RADIO-FRONT ANTENNA				U60	8-14-64	7	TORQUE (2) WAS 16-20 OZ. IN.	5250	ER	
				U63-U69		8	ITEM 10 ADDED	65582	HM	DF
					10-22-64	9	TORQUE (3) ADDED	66841	HM	HB
					12-7-64	10	WAS 3863252 GASKET	67044	BR	C1
					2-11-65	11	9980607 CEMENT REMOVED	13961	MB	C1
10000				B1.						
DWG PREL. 4-6 HM. REF: Prel. B2 L-72691 L-				SHEET						
DATE REC. 4-6 L- L- L-										

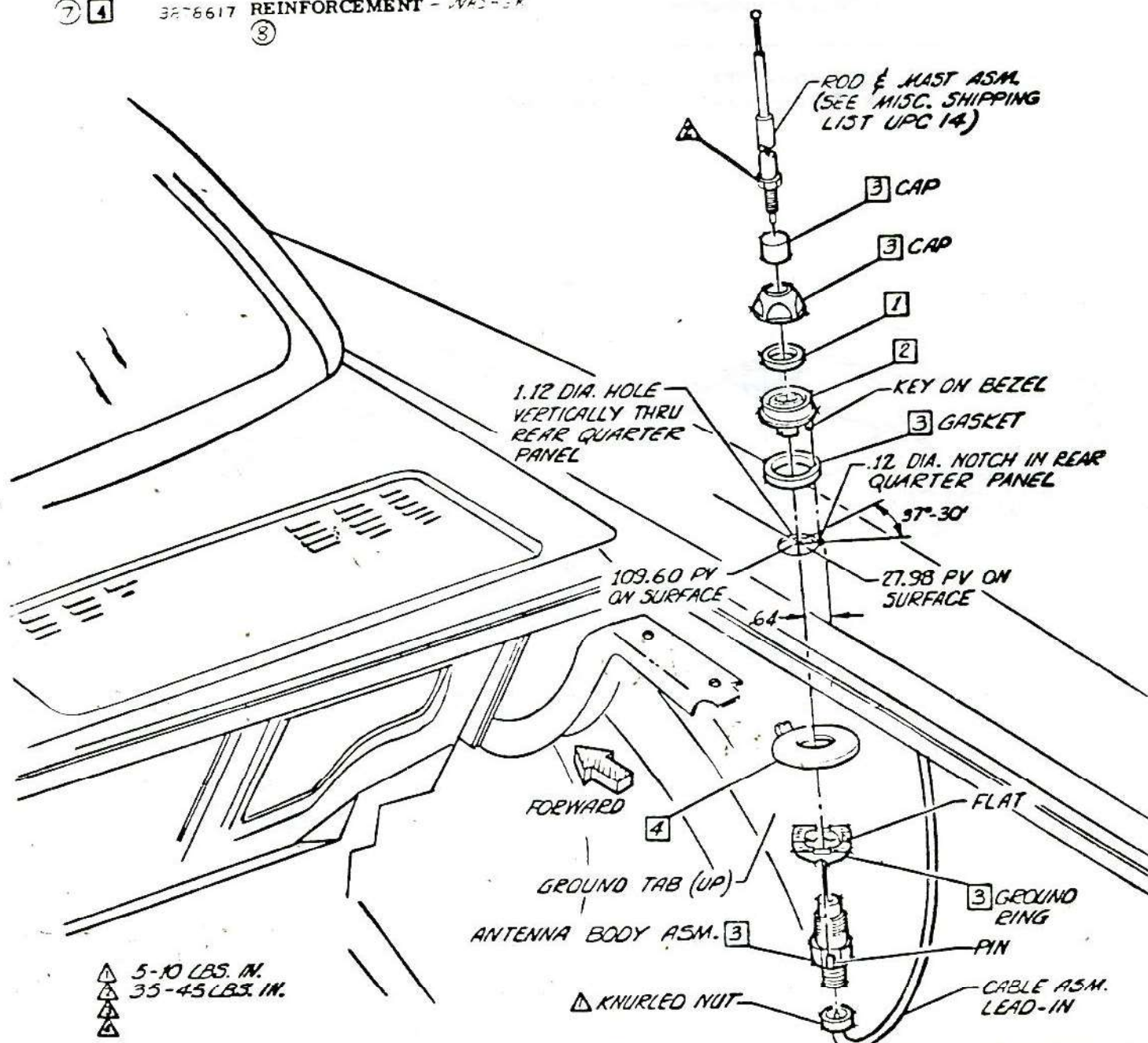
ASSEMBLY INSTRUCTIONS

3862100 CORVAIR 10000 SERIES

- ① 3138635 GASKET
② 3863640 BEZEL
③ Part the same as & installed
the same as U60
⑦ ④ 3A78617 REINFORCEMENT - WASHER
⑧

The following parts are released by Chevrolet & installed by Fisher Body

3863641 CABLE ASM. LEAD-IN



① 5-10 LBS. IN.
② 35-45 LBS. IN.
③
④

• CHEVROLET MOTOR DIVISION, GMC •		UPC	DATE	SYM	REVISION RECORD	AUTH	DR	CR
MANUAL ANTENNA EQUIPMENT - REAR		U73						
10000								
DWG PRZ. 4-D.H.M. REF: Pwd. 1 L-73442L		1.						
DATE REF. 4-15 L- L- L-								
		SHEET 8						



CHEVROLET

ASSEMBLY INSTRUCTION

3862100

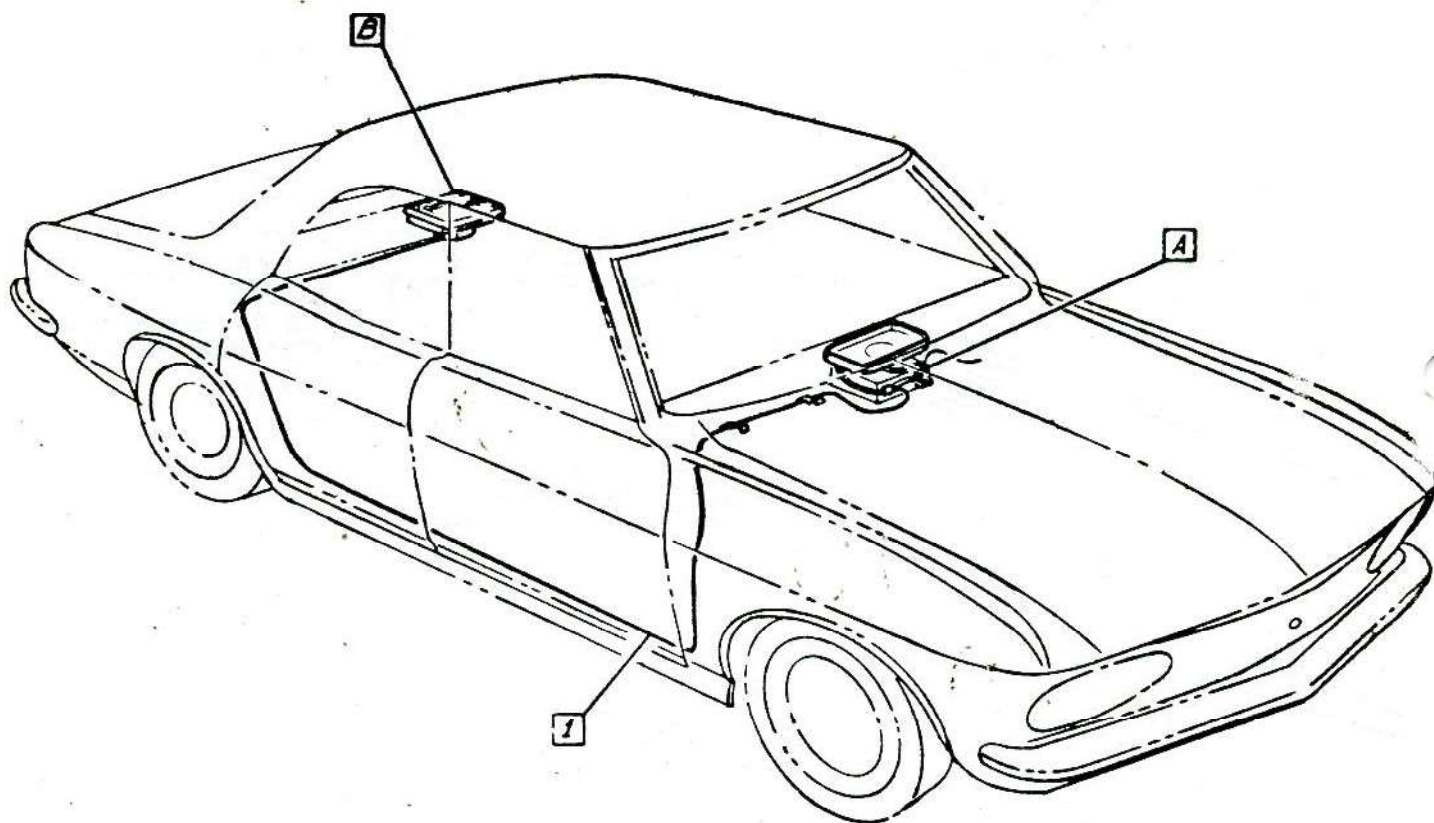
CORVAIR 10000 SER

SHEET

TITLE

1. CONTENTS
- ☐ A 2. SPEAKER WIRING & CONTROLS
- ☐ B 3. AUXILIARY SPEAKER

- ☐ 1 2988079 EXTENSION WIRE ASM-Part released
by Chevrolet & installed by Fisher Body.



CHEVROLET MOTOR DIVISION, GMAC				UPC	DATE	SYM	REVISION RECORD	AUTH	DE	CK
AUXILIARY SPEAKER EQUIP. - CONTENTS				U80						
10000 (EXC. CONV.)				1.						
DWG PREL. 4-9	H.M.	REF: Prod. 1	L-73473	L-						
DATE REL. 4-9		L-	L-	L-						
				SHEET						

1965-253



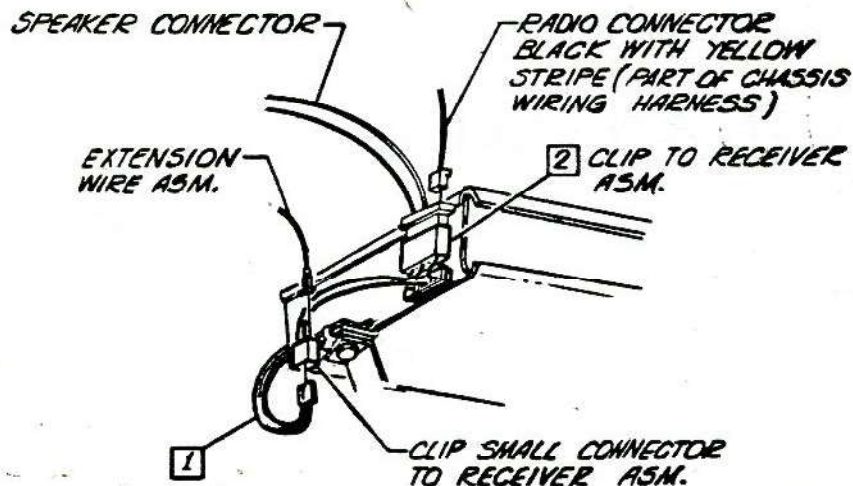
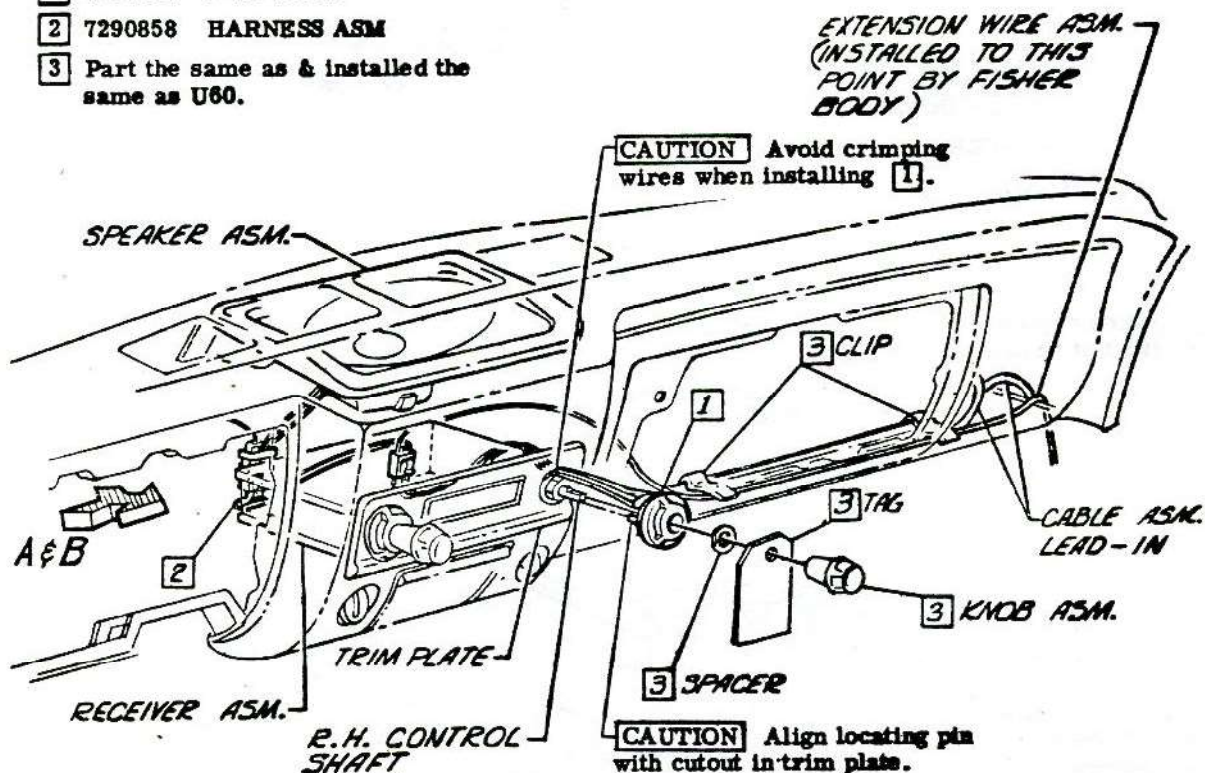
CHEVROLET

ASSEMBLY INSTRUCTIONS

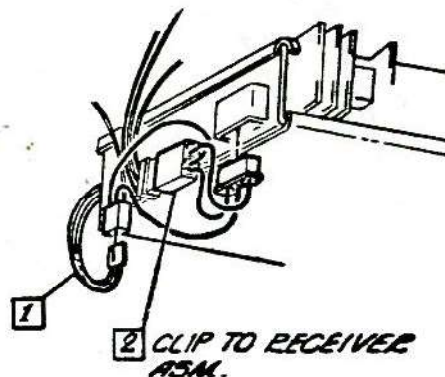
3862100

CORVAIR 10000 SERIES

- 1 7290881 KNOB ASM
- 2 7290858 HARNESS ASM
- 3 Part the same as & installed the same as U60.



(U60-U63 HARNESS ASM. ROUTING)



(U69 HARNESS ASM. ROUTING)

CHEVROLET MOTOR DIVISION, GMC		UPC	DATE	SYN	REVISION RECORD	AUTH	DE	CK
AUXILIARY SPEAKER EQUIPMENT - SPEAKER WIRING & CONTROLS		U80						
10000 (EXC. CONV.)		2.						
DWG PREL. 4-22 H.M. REF: Prel. 2 L-73473 L-		X SHEET						
DATE REL. 5-13								



PROJECT

ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

- ⚠ 1 9414765 SCREW
- ① 2 3873717 GRILLE
- 3 7290951 SPEAKER ASM
- 4 7283418 GROUND WIRE ASM
- 5 121752 L. WASHER
- 6 9420856 "U" NUT
- 7 3862879-80 BRACKET-L. & R.H.
- 8 Install bracket with arrow pointing toward "rear" of vehicle.
- ⚠ 9 9415464 SCREW

② **NOTE** Slanted surface towards front of vehicle.

EXTENSION WIRE ASM.
(INSTALLED TO THIS POINT BY FISHER BODY)

REAR TRIM SHELF

NOTE Pull insulation back to locate dimples & attach brackets, then replace insulation.

.120/.123 DIA. HOLE THRU DIMPLE IN PANEL (4 PLACES)

- ⚠ 25-35 LBS. IN.
- ⚠ 10-15 LBS. IN.
- ⚠
- ⚠

EXTENSION WIRE ASM.

3 TERMINALS

VIEW A

CHEVROLET MOTOR DIVISION, GMC		UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
AUXILIARY SPEAKER EQUIPMENT- AUXILIARY SPEAKER		U80	11-4-64	1	WAS 3862899 GRILLE & 66610 NM			
				2	DWG. REVISED INSTALLATION NOTE ADDED			DF
10000 (EXC. CONV.)		3.						
DWG PREL. 4-24 H.M. REF: Prel. 3 L-73473 L-		SHEET X						
DATE REL. 4-24 L- L- L-								

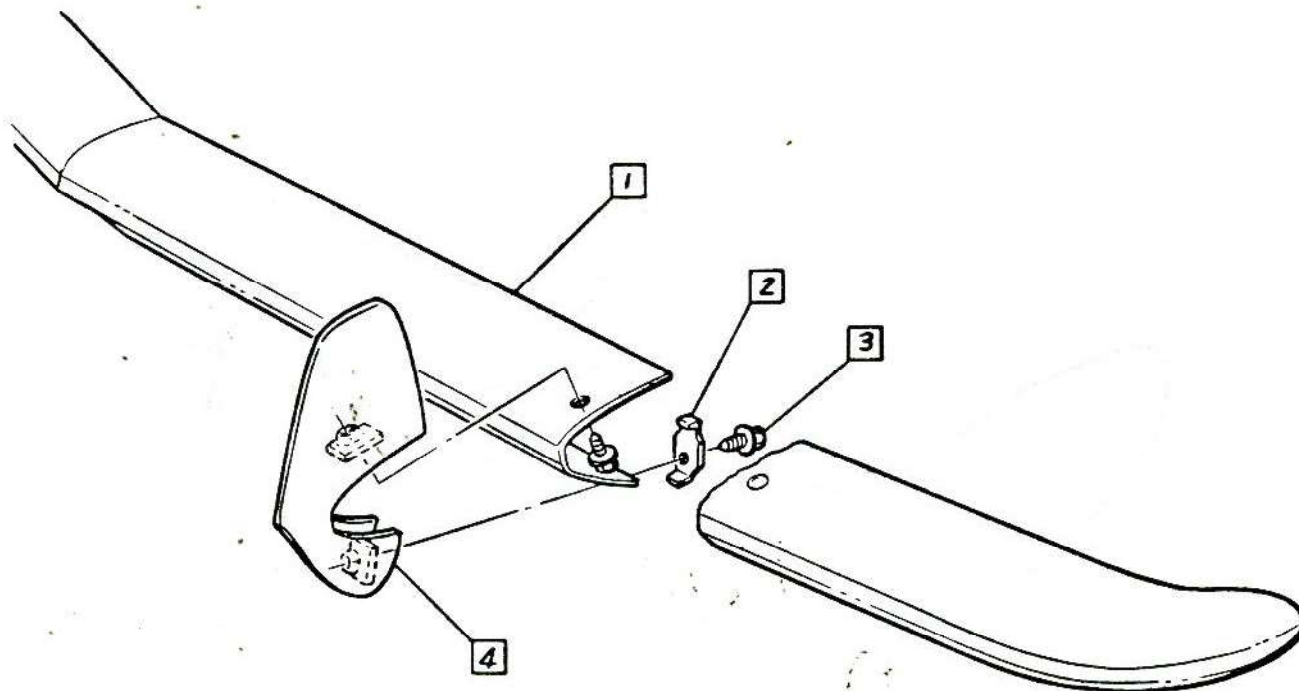
52 11 3 3 7 0 1 1 1

ASSEMBLY INSTRUCTIONS

3 8 6 2 1 0 0

CORVAIR 10000 SERIES

- | | | |
|---|-----------|----------------------|
| 1 | 3863978 | BAR-FRT. BUMPER |
| 2 | 3861861 | CLAMP |
| 3 | 3827047 | SCREW & L. W. ASM |
| 4 | 3861857-8 | GUARD ASM-L. & R. H. |



▲ 14-22 LBS. FT.

CHEVROLET MOTOR DIVISION, GMC		UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
FRONT BUMPER GUARD		V31						
10000		1.						
DWG PREL. 4-7 DATE REL 4-7	CS SA	REF: Prel. 1 L-74602 L- L- L- L-	SHEET 1					

1965-256



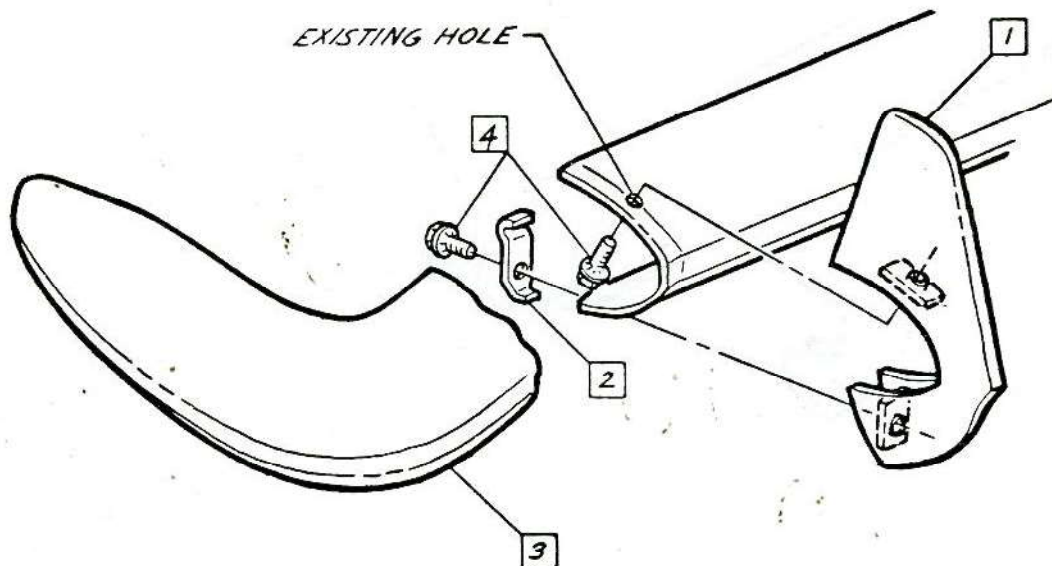
R H E M P O E E

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ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

- 1 3861859-60 GUARD ASM. L. & R.H.
2 3861862 CLAMP
3 3863989 BAR
1 4 3827047 SCREW & L. WASHER ASM.



▲ 14-22 LBS. FT.
▲
▲
▲

• CHEVROLET MOTOR DIVISION, GMC •				UPC	DATE	SYM	REVISION RECORD	AUTH	DR	CK
REAR BUMPER GUARD EQUIPMENT				V32						
10000				1.						
DWG PREL. 2-20	KC	REF: Prel. 1	L-650/2 L-	<input type="checkbox"/> SHEET	<input checked="" type="checkbox"/>					
DATE REL. 2-20		L-	L-							

1965-257



SHEET 1 OF 1

ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

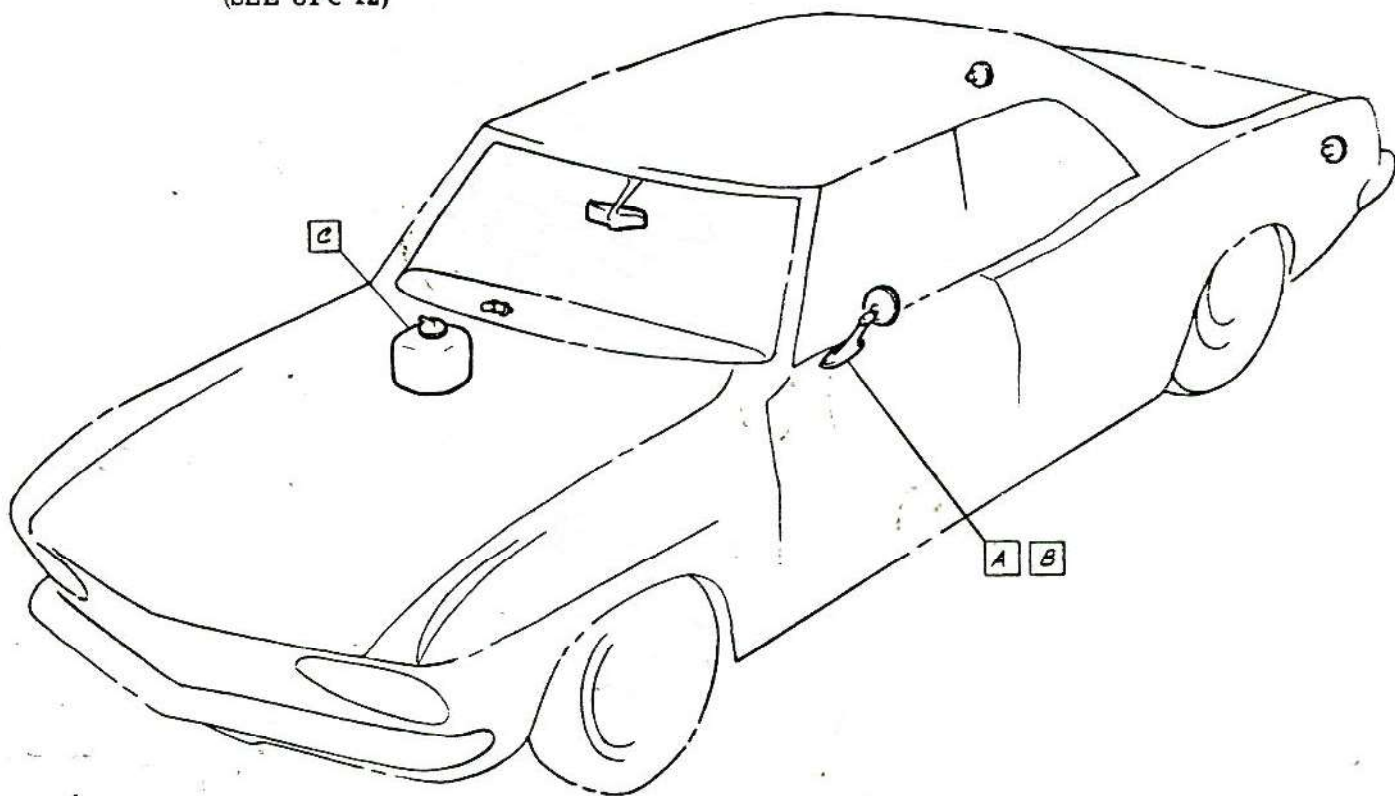
SHEET

TITLE

1. CONTENTS
- ☐ A 2. OUTSIDE REAR VIEW MIRROR
- ☐ B 3. OUTSIDE REMOTE CONTROL MIRROR (Z13 ONLY)
4. OUTSIDE REMOTE CONTROL MIRROR CONTROL ASM
- ☐ C 5. WINDSHIELD WASHER NOZZLES, HOSES & JAR
6. WINDSHIELD WASHER WIRE ASM, ANTI-FREEZE JAR

☐ The following parts install the same as regular production

- ☐ 1 BACKING LAMP (SEE UPC 12)
910597 MIRROR ASM
☐ 2 2989368 HARNESS ASM (10100)
3859327 SWITCH ASM INST COMP LGT
3859328 OPT (SEE UPC 12)
120151 FUSE BACKING LAMP
(SEE UPC 12)



CHEVROLET MOTOR DIVISION, GMC				UPC	DATE	SYM	REVISION RECORD	AUTH. DR. CR.	
EQUIPMENT & CONVENIENCE-CONTENTS				Z01 Z13	7-6-64	1	UPC 1-2F ALLEL	44758A-22	
					7-30-64	2	2989368 WAS 2988634	455.6	1061
10000				1.					
DWG. REL. 3-13 K.C. REF: Prel. 6 L- L-				1. SHEET 1					
DATE REL. 3-13 L- L- L-									



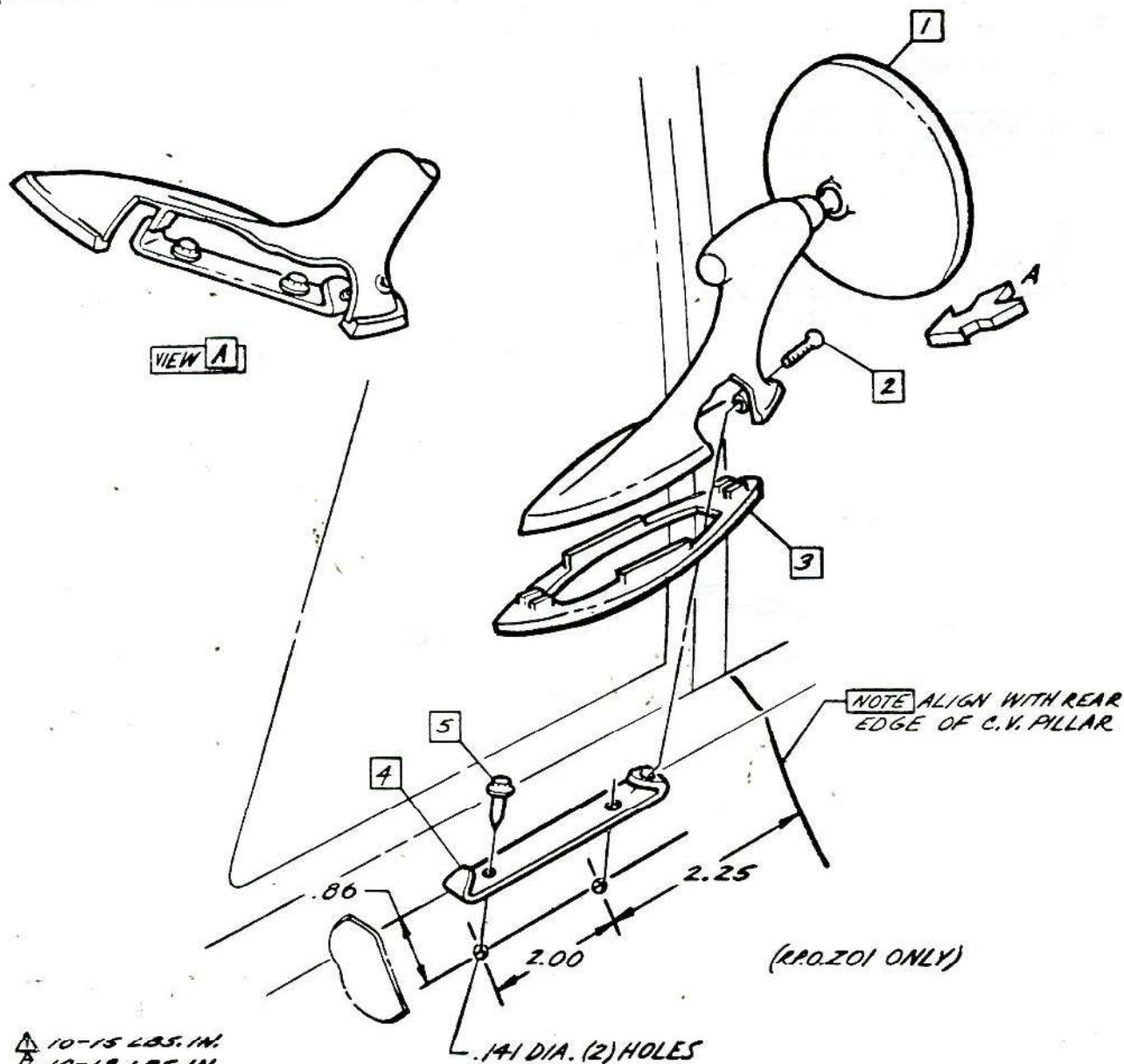
CHEVROLET

ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

- 1 3821956 MIRROR ASM
- 2 3858474 SCREW
- 3 3857559 GASKET
- 4 3825896 BRACKET
- 5 9421495 SCREW ASM



10-15 LBS. IN.
10-18 LBS. IN.

CHEVROLET MOTOR DIVISION, GMC				UPC	DATE	SYN	REVISION RECORD		AUTH.	DR	CK
COMFORT & CONVENIENCE OUTSIDE REAR VIEW MIRROR				ZOI							
10000				Z13							
DWG. REL. 3-11				2.							
DATE REL. 3-11				X SHEET 1							
KC REF: Prod. 5 L-72764 L-											
L- L- L-											

1965-259



CHEVROLET

ASSEMBLY INSTRUCTIONS

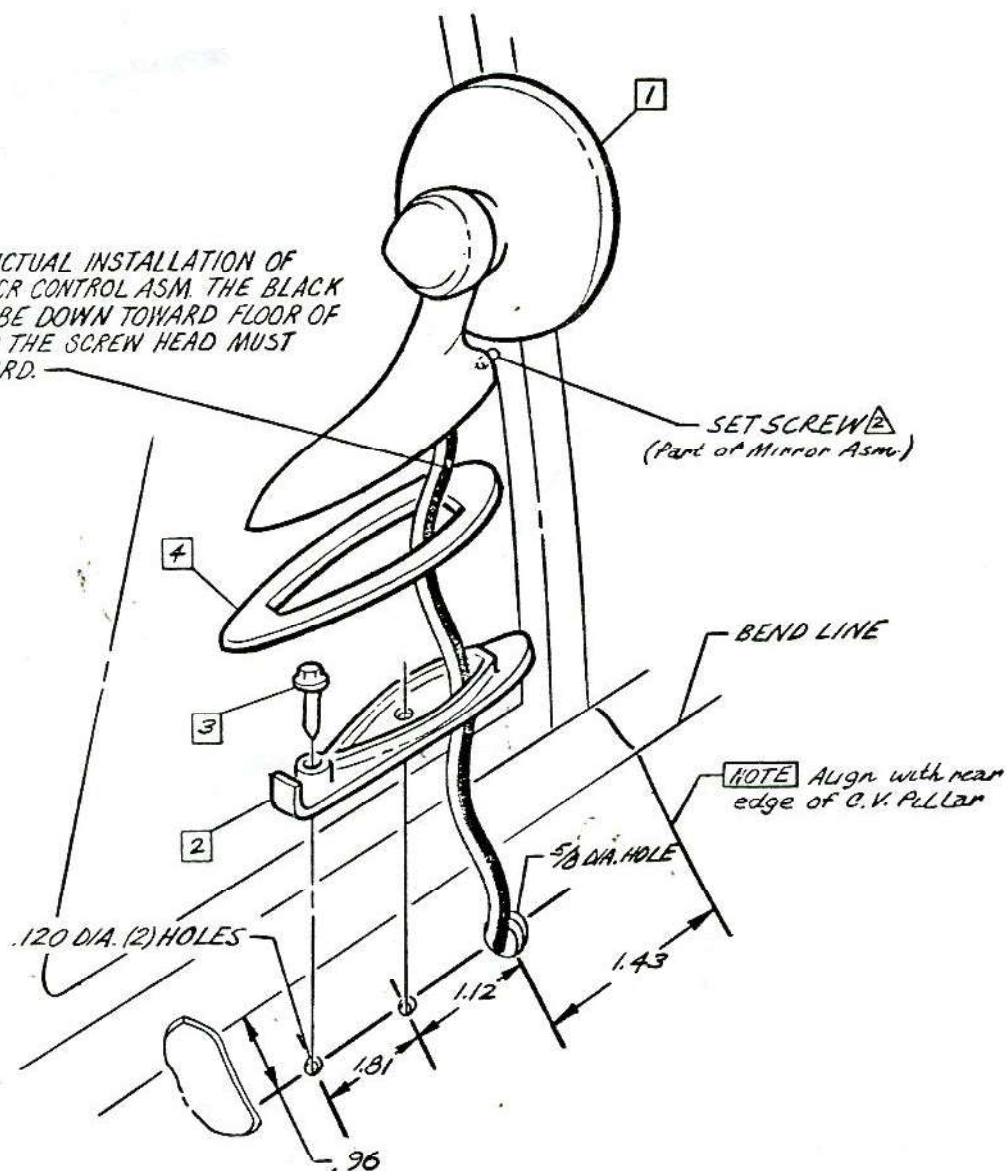
3862100

CORVAIR 10000 SERIES

- 1 910792 MIRROR ASM
- 2 5955717 BRACKET
- 3 9421496 SCREW
- 4 5955709 PAD



② **NOTE** UPON ACTUAL INSTALLATION OF REMOTE MIRROR CONTROL ASM. THE BLACK CABLE MUST BE DOWN TOWARD FLOOR OF VEHICLE AND THE SCREW HEAD MUST FACE FORWARD.



▲ 10-15 LBS. IN.
▲ 5-10 LBS. IN.
▲

• CHEVROLET MOTOR DIVISION, GMC •				UPC	DATE	SYM	REVISION RECORD		AUTH.	DR	CK.
COMFORT & CONVENIENCE OUTSIDE REMOTE CONTROL REAR VIEW MIRROR				ZOI Z13	7-6-64	1	WAS 901792 MIRROR ASM 64735 KC DP				
					12-14-68	2	INSTALLATION NOTE ADDED 68144 EC C1				
10000				3.							
DWG AREL. 3-5 KC REF: Prel. 3 L-73643 L-											
DATE REL. 4-15 L- L- L-				SHEET							



CHEVROLET

ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

- 1 5956894 PLATE
2 5956893 CONTROL ASM
⚠ 3 3843505 SCREW

△ SCREW
PART OF 2

NOTE: Boss on housing
must nest in groove on
cable sheath.

GROOVES

BOSS

LH. DOOR INNER PANEL

EXISTING HOLES

FORWARD

INBOARD

NOTE: After attaching cables to control
assembly rotate control so black cable
is in down position & the cable retaining
screw head is on the underside of control.

△ 10-15 LBS. IN.



CHEVROLET MOTOR DIVISION, GMC				UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
COMFORT & CONVENIENCE OUTSIDE REAR VIEW MIRROR CONTROL ASM				ZOI Z13	10-2-64	2	REDRAWING REDESIGNED	6772	JC	CI
10000				4.						
DWG ARL-3-5	KC	REF: Prel.-4	L-73643	L-						
DATE REL. 4-2		L-	L-	L-						
				<input checked="" type="checkbox"/> SHEET						

1965-261

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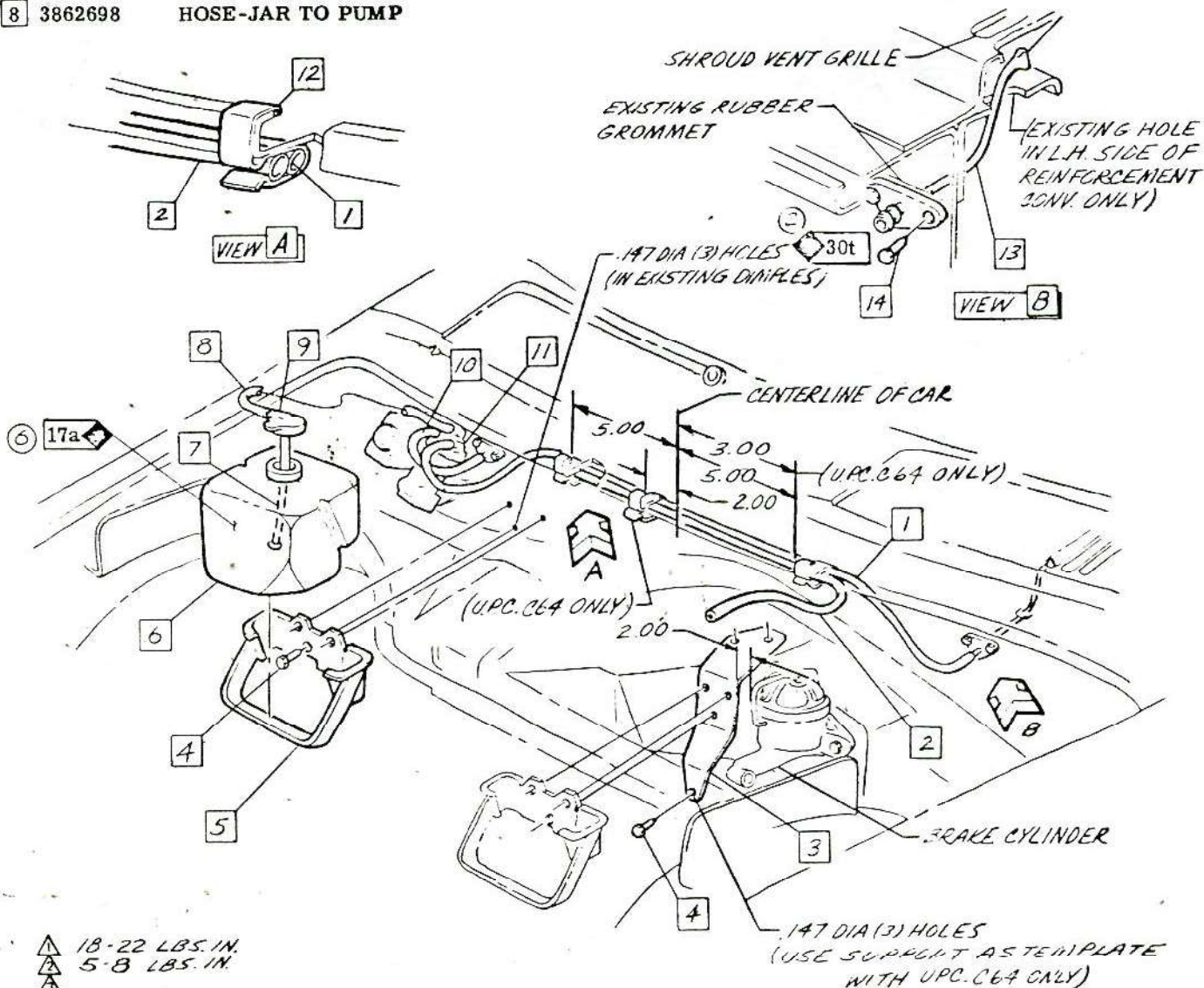
ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

- 1 3792232 HOSE-PUMP TO NOZZLE L.H.
- 2 3774879 HOSE-PUMP TO JAR (R.P.O. C64 ONLY)
- 3 3858767 SUPPORT (R.P.O. C64 ONLY)
- 4 451790 SCREW
- 5 548935 BRACKET ASM
- 6 3840083 JAR
- 7 3772059 HOSE & FILTER ASM
- 8 3862698 HOSE-JAR TO PUMP

- 9 3798372 CAP
- 10 3771740 HOSE-PUMP TO NOZZLE R.H.
- 11 5045462 MOTOR & PUMP ASM
- 12 3820204 CLIP
- 13 3858768 NOZZLE ASM
- 14 9416231 SCREW



18-22 LBS. IN.
5-8 LBS. IN.

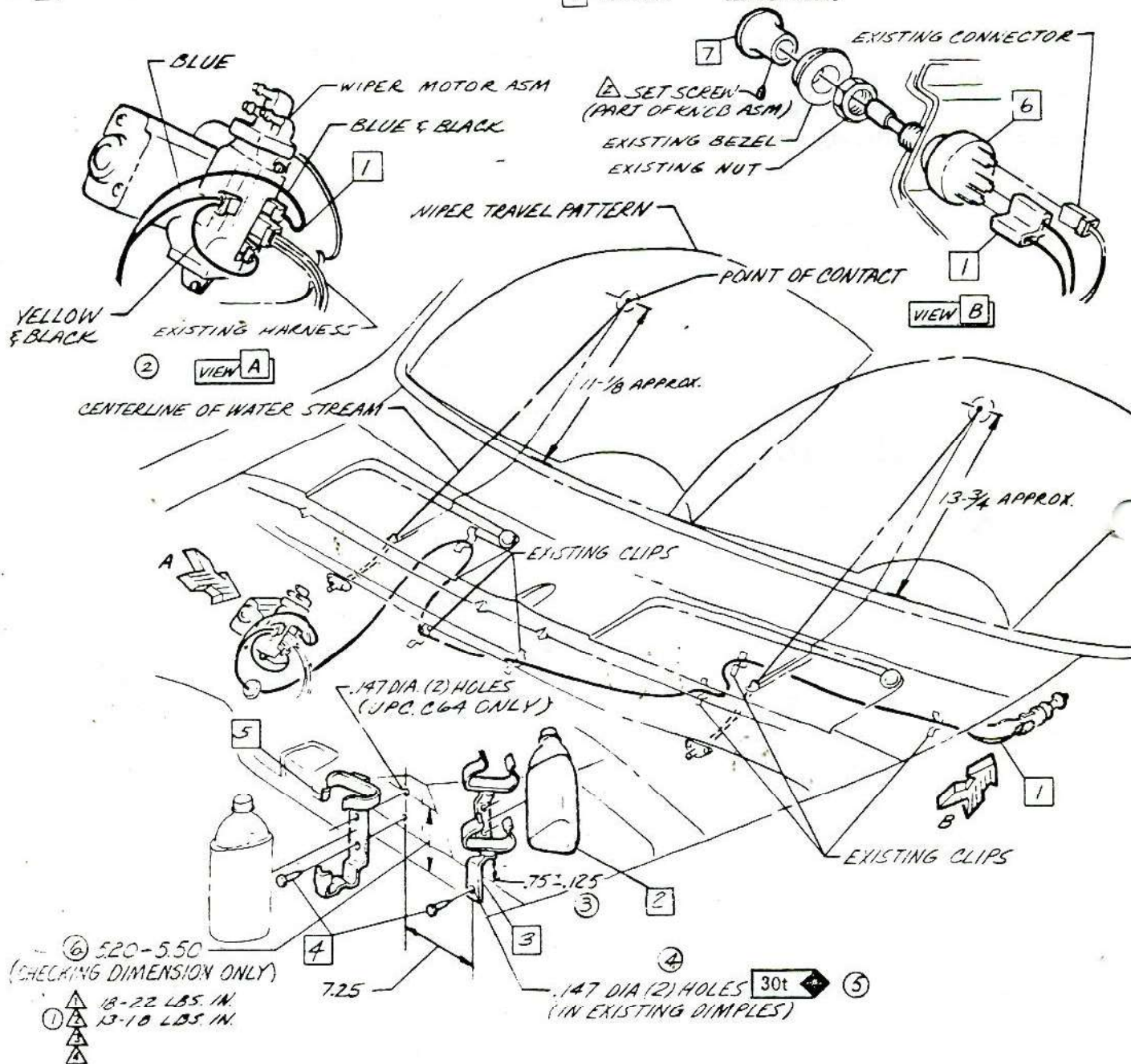
CHEVROLET MOTOR DIVISION, GMC				UPC	DATE	SYM	REVISION RECORD		AUTH	DR	CK
COMFORT & CONVENIENCE, WINDSHIELD WASHER NOZZLES, HOSES & JAR				ZOI	7-64		1	HAS ATTACHED JACKETING			
10000				Z13.	8-64		2	HAS BEEN SHIPPED			
DWG DEL. 2-15 KC REF: Prel. 1 L-72237L				5.	10-64		3	1/2" X 1/2" ED			
DATE 12-5-6 L- L- L-					11-64		4	RFD C64 ONLY KMS. VARIATION			
					12-64		5	REMOVED 3858768			
							6	ALL SYM ADDED			

3 8 6 2 1 0 0

CORVAIR 10000 SERIES

- | | | |
|----------|---------|------------------------|
| <u>1</u> | 2988066 | WIRE ASM. |
| <u>2</u> | 3789848 | ANTI-FREEZE & JAR ASM. |
| <u>3</u> | 3864244 | BRACKET ASM. |
| <u>4</u> | 9417226 | SCREW |

- | | | |
|---|---------|--------------------------------|
| 5 | 3815273 | BRACKET ASM. (UPC
C64 ONLY) |
| | 589622 | OPT. |
| 6 | 1993679 | SWITCH ASM. |
| 7 | 3859222 | KNOB ASM. |



• CHEVROLET MOTOR DIVISION, GMC •				UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
COMFORT & CONVENIENCE; W/S WASHER WIRE ASM., ANTI-FREEZE & JAR				ZOI Z13	1-17-64	1	TORQUE (2) ADDED	64772	KC	DP
					3-9-64	2	VIEW A REVISED	15857	KC	DE
10000				6.	3-9-64	3	DIM. ADDED	67716	JC	
						4	WAS (3) HOLES			
						5	WAS 3/8 SYMBOL	66597		
						6	DIM. ADDED	67772	BR	CI
DWG PREL 2-17 KC REF: Prel. 2 L-72237 L-				SHEET						
DATE REL 2-17 L- L- L-										