



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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AIR CONDITIONING- GENERAL SPECS & PROCEDURES				C 64							
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2.3 (CONTINUED)

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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2.5 (CONTINUED)

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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2.7 (CONTINUED)

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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2.10 (CONTINUED)

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 POSITON.

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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3.1 (CONTINUED)

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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3.3.1 (CONTINUED)

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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3.5 (CONTINUED)

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.



Form with fields for CHEVROLET MOTOR DIVISION, GMC, AIR CONDITIONING- GENERAL SPECS & PROCEDURES, 10100-500, DWG PREL. 2-18, REF: Proj. E11, C64, E16, and a revision record table.



3.6.1 (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 SYSTEM

INSTALLING 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.



Form containing technical specifications: CHEVROLET MOTOR DIVISION, GMC; AIR CONDITIONING- GENERAL SPECS & PROCEDURES; 10100-500; DWG. PREL 2-18 FM; REF: Prod. E12; C64; E17; SHEET X



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-				
		<input checked="" type="checkbox"/> SHEET						



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.

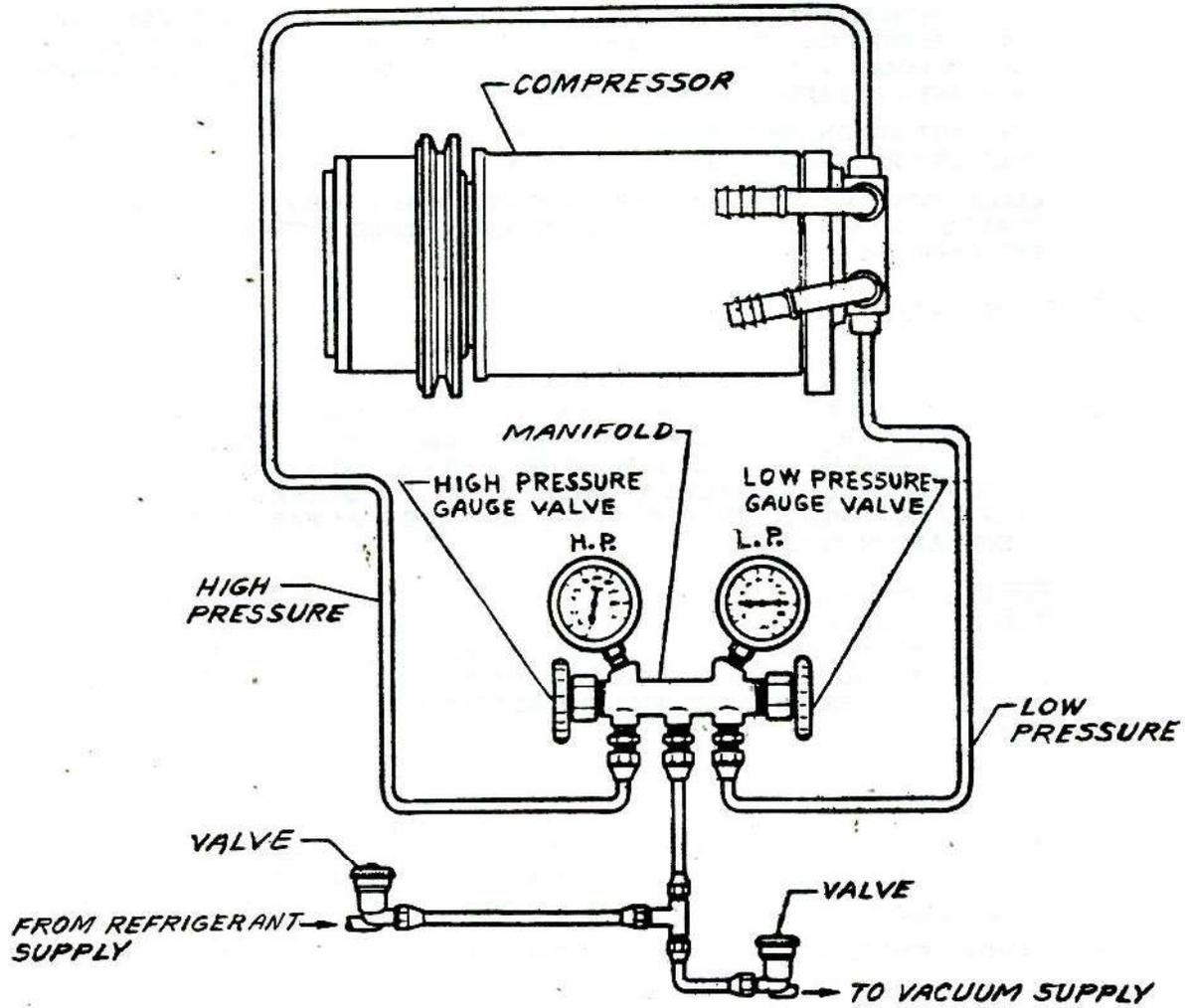


* SECT. 14: 13a

* CHEVROLET MOTOR DIVISION, GMC *		UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
AIR CONDITIONING- GENERAL SPECS & PROCEDURES		C 64						
10100-500		E 19.						
DWG. PREL 2-18	F/M	REF: Prod. E 14 L-						
DATE. REL 2-18		L- L- L-						
		SHEET						



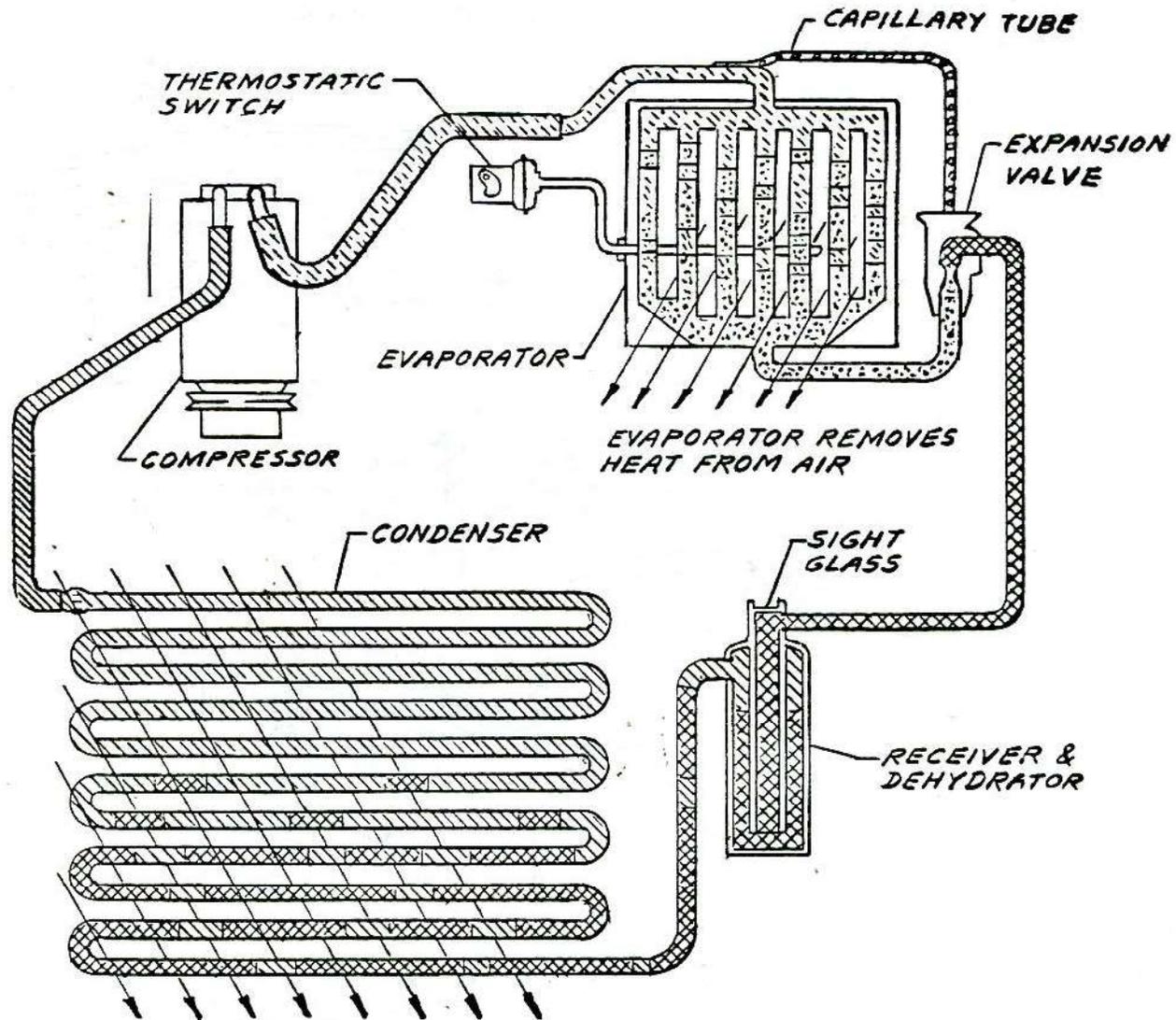
EVACUATING & CHARGING EQUIPMENT (EXAMPLE ONLY)



CHEVROLET MOTOR DIVISION, GMC		UPC	DATE	BY	REVISION RECORD	AUTH.	DR.	CK.
AIR CONDITIONING- GENERAL SPECS & PROCEDURES		C 64						
10100-500		E20.						
DWG. REL. 2-18 FM	REF: Prel. E15 L-							
DATE REL. 2-18	L- L- L-	<input checked="" type="checkbox"/> SHEET						

FIG. 1

REFRIGERATION CIRCUIT



- HIGH PRESS. VAPOR
- HIGH PRESS. LIQUID
- LOW PRESS. LIQUID
- LOW PRESS. VAPOR
- HIGH PRESS. VAPOR POWER ELEMENT



• 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-	L-				
DATE-REL. 2-18		L-	L-	L-				
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CHEVROLET

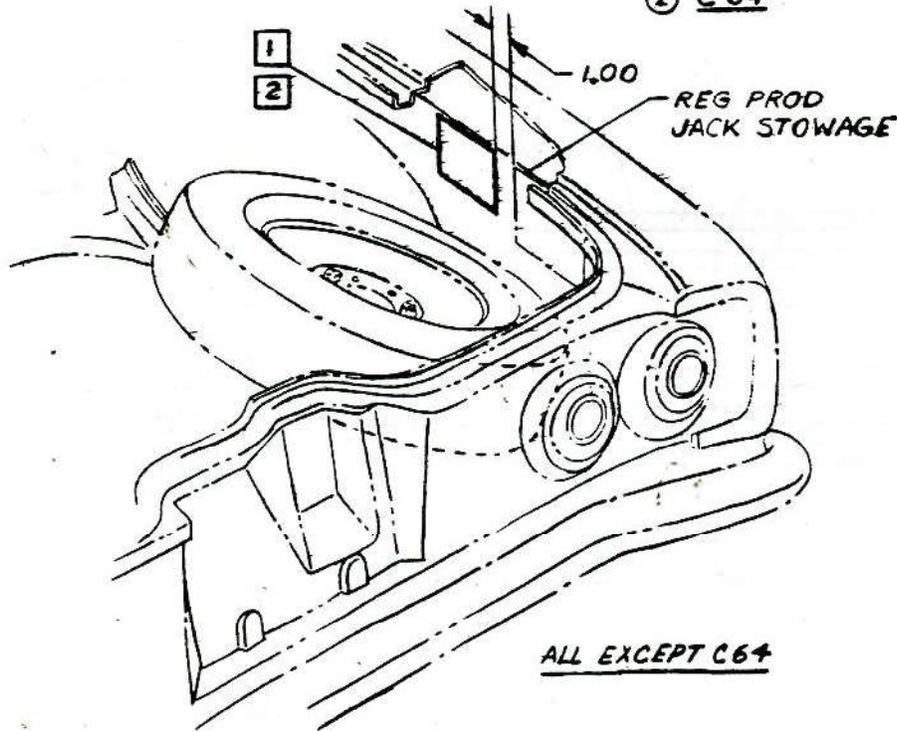
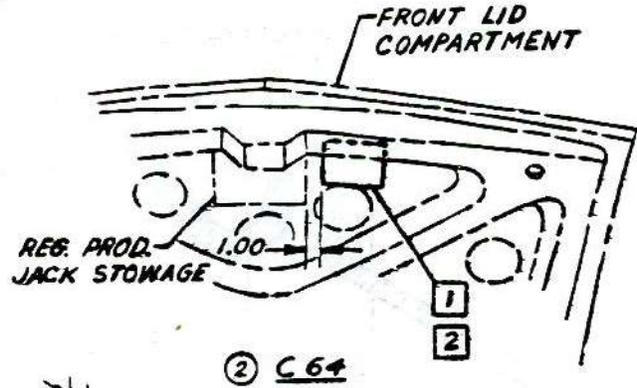
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ASSEMBLY INSTRUCTIONS

3862100 CORVAIR 10000 SERIES

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

- 10a 3863425 CARRIER ASM (3.27) ①
- 3863426 (3.55) 10000-WITH G95 OR C64
- 3863423 TRANS & DIFF CARRIER ASM EXCEPT 10700-WITH M35
- 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
					8-25-64	2	C64 VIEW ADDED		CK	
						3	WAS 3863425 CEMENT	64874	HB	
10000				1.						
DWG PREL 4-24	CS	REF: Prel. /	L-		L-					
DATE REL 4-24		L-	L-		L-					
				SHEET						



3862100

CORVAIR 10000 SERIES

SHEET

TITLE

SHEET

TITLE

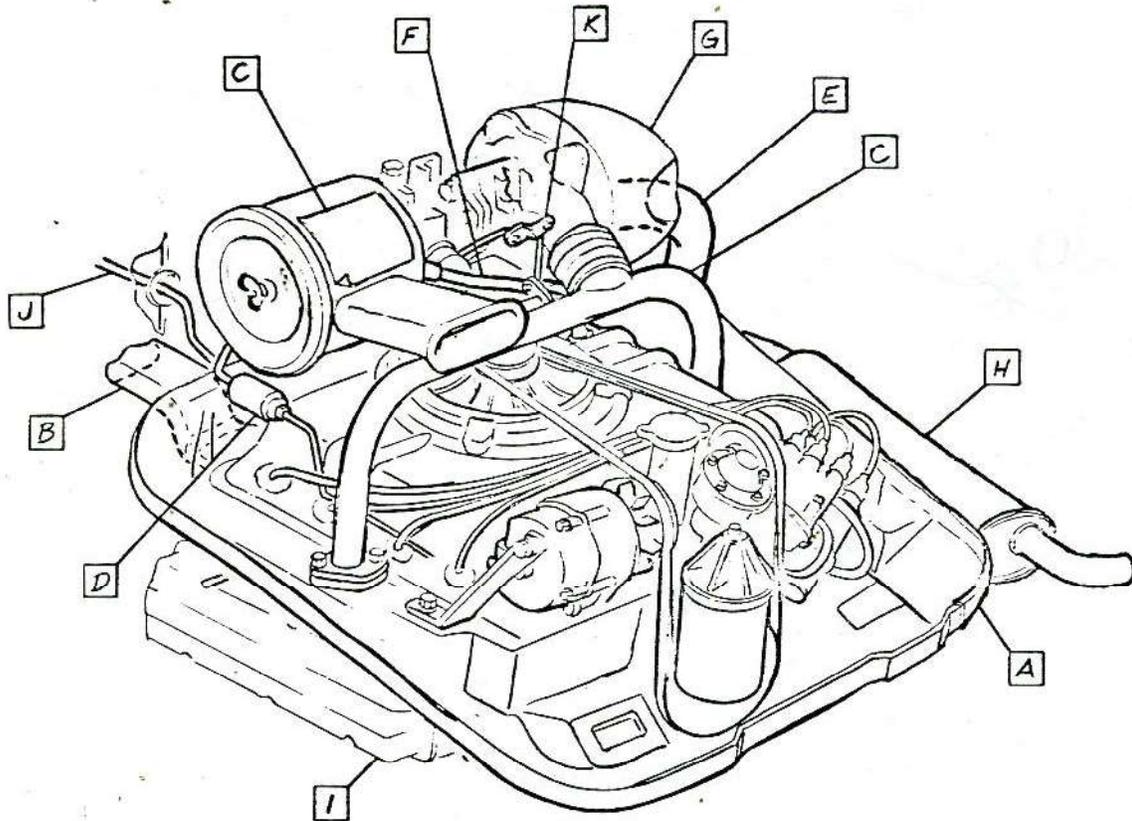
- 1. CONTENTS-TURBO-CHARGER
- A** 2. ENGINE SHIELDS & SHROUD
- B** 3. HEATER & DEFROSTER HOSES
- C** 4. DECALCOMANIA, INDUCTION PIPE, CARBURETOR & A/CL
- D** 5. FUEL FILTER, FUEL & CHOKE PIPES
- E** 6. TURBO CHARGER INLET & OUT-LET PIPES
- F** 7. CLOSED ENGINE POSITIVE VENTILATION & OIL OUTLET PIPE

- 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

④ THE FOLLOWING PARTS ARE INSTALLED THE SAME AS REGULAR PRODUCTION 10700. ②

3854338 PLATE-NAME

④ **I** 3873875 ENGINE ASM (AS SHIPPED) ⑤



CHEVROLET MOTOR DIVISION, GMC		UPC	DATE	SYM	REVISION RECORD	AUTH	DR	CK	
TURBO-CHARGER-CONTENTS		L87	7-22-64	1	TITLE REVISED	63587	GW		
				2	NON-ILLUS. PARTS ADDED	64722		H/C	
			10-16-64	3	SHEET 13 ADDED	64321	GW	GF	
			11-3-64	4	WAS 3851861 ENGINE	65236	GW	GF	
			12-14-64	5	WAS 3873907 ENGINE	65521	GW	GF	CI
10700		1.							
DWG PREL. 5-14	GW		REF: Prel. 10	L-60024	L-				
DATE REL. 5-14		L-	L-	L-					
		SHEET							

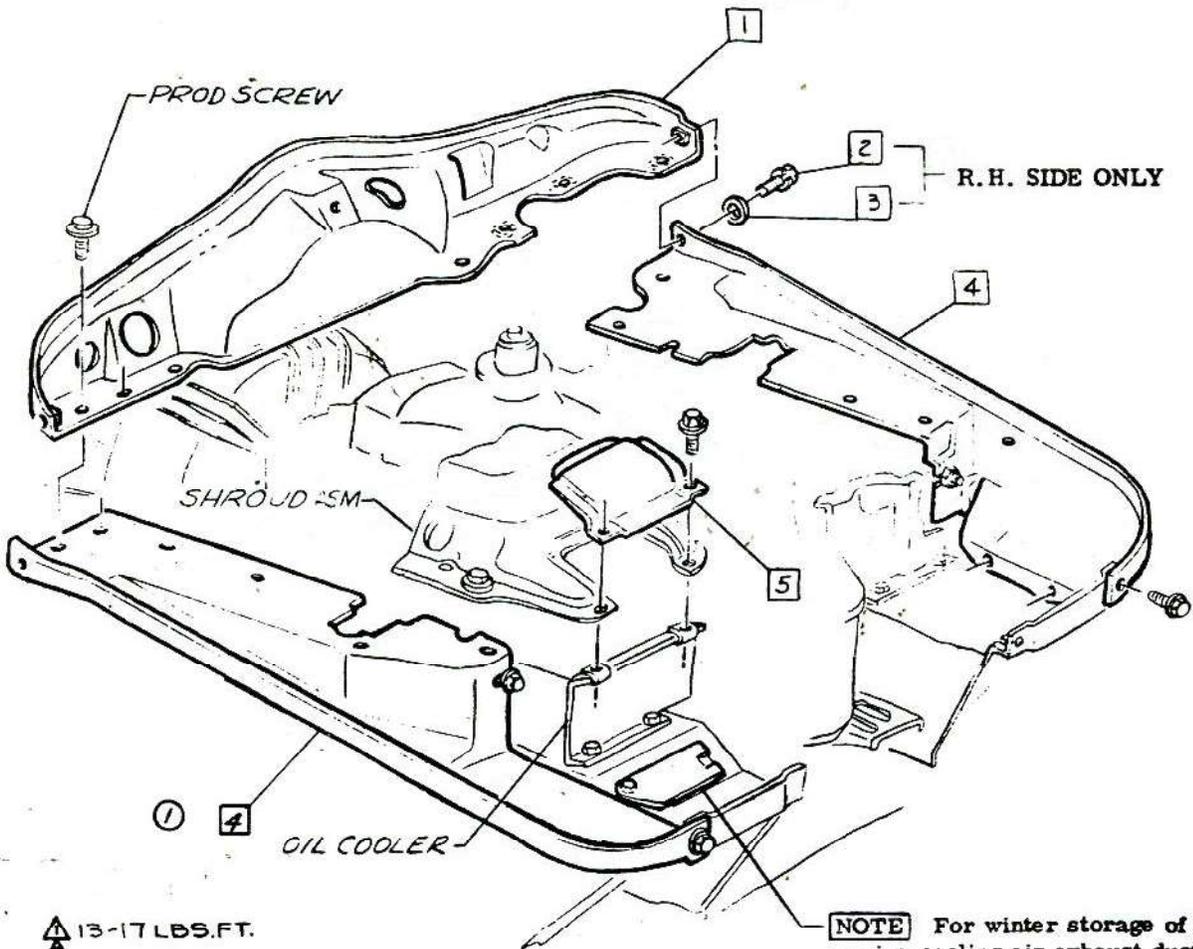


CHEVROLET

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	
						2	3851889 LH ADDED		DF	
10700				2.						
DWG PREL 5-15	JB	REF: Prel. 11	L-730361-	<input checked="" type="checkbox"/> SHEET						
DATE REL 5-15		L-	L-							



CHEVROLET

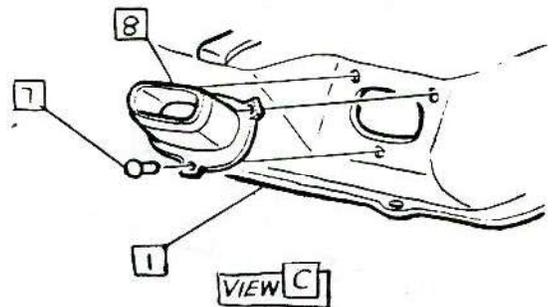
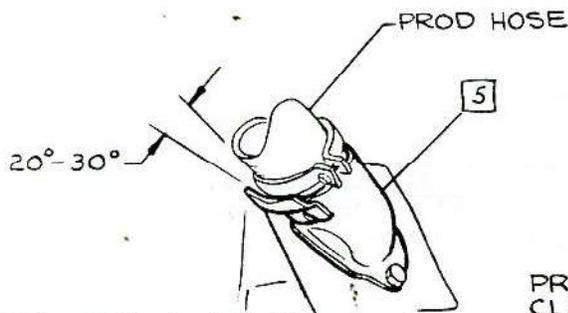
ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

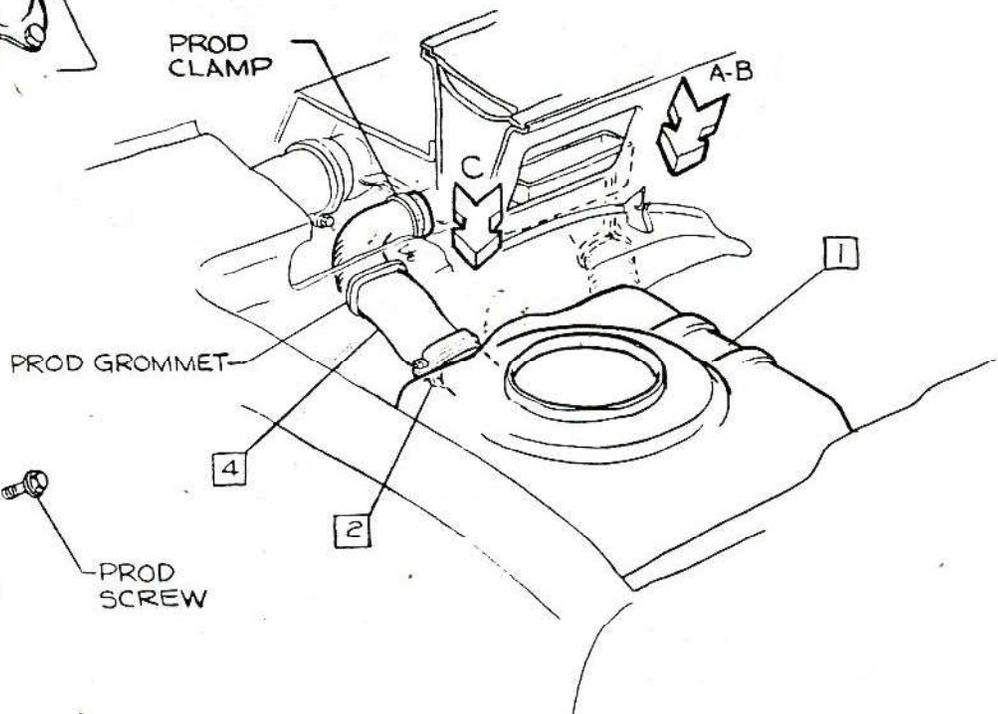
- ① 1 3851894 SHROUD ASM
- ① ② 2 3869520 CLAMP-Position ends of clamp 3/8 to 1/2 inches away from sheet metal to avoid conditions which might cause vibration.
- ③
- ②
- 3
- 4 3863667 HOSE
- 5 3817560 CONNECTOR ASM-R. H.

- 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



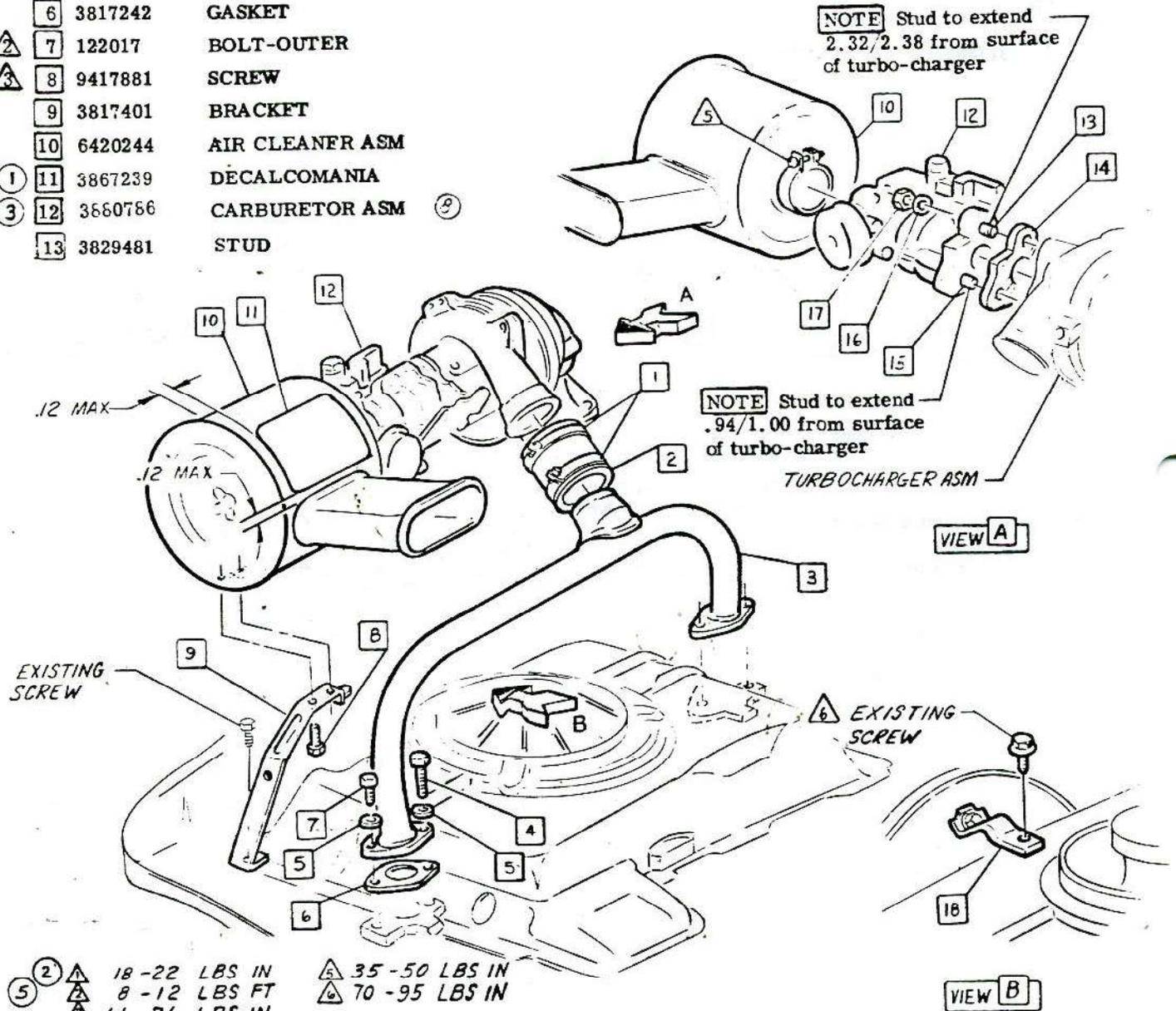
- ▲ 16-22 LBS IN.
- ▲ 22-30 LBS IN.
- ▲

VIEW B

CHEVROLET MOTOR DIVISION, GMC		UPC	DATE	SYM	REVISION RECORD	AUTH	DR	CK
TURBO-CHARGER-HEATER & DEFROSTER HOSES		L87	7-31-64	1	VIAS 3869520 CLAMP	6-8-67	FC	
				2	9422524 SCREW (16-22-35 IN) REMOVED			
				3	TORQUE (2) ADDED			DF
10700		3.						
DWG PREL 5-15	JB	REF: Prel. 12 L-72621 L-72397						
DATE REL 5-15		L-73036 L-						
		SHEET						

- 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



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

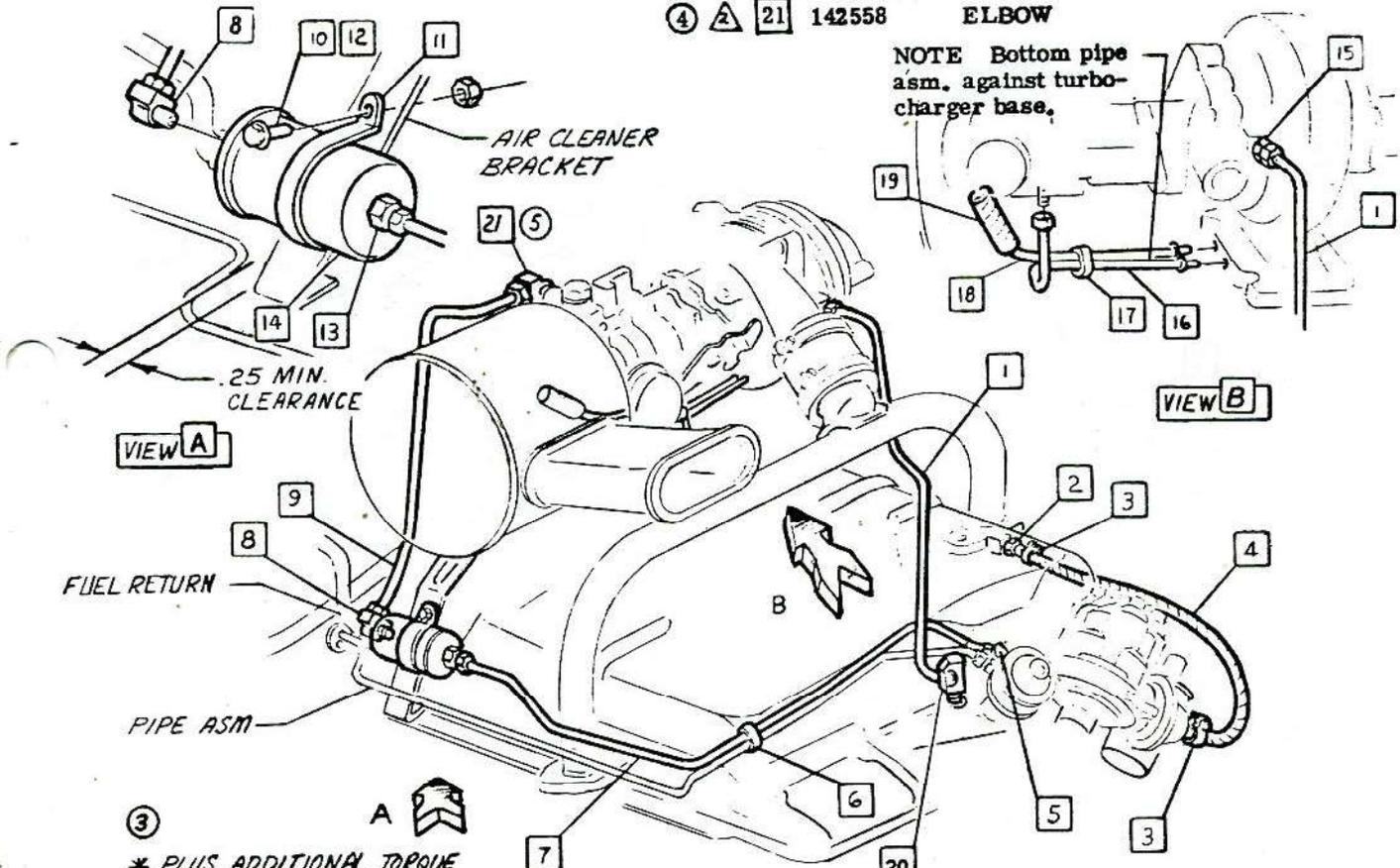
CHEVROLET MOTOR DIVISION, GMC		UPC	DATE	SYM	REVISION RECORD	AUTH	DR	CK
TURBO-CHARGER-DE CALCOMANIA, INDUCTION PIPE, CARBURETOR & AIR CLEANER		L87	6-19-64	1	WAS 386724 DEC-COMANIA	64261	JS	DF
			3-6-64	2	TORQUE (1) WAS 30 LBS IN	65582	RS	DF
10700		4.	3-22-64	3	WAS 3856713 CARBURETOR	66659	RS	DF
			12-26-64	4	WAS 3873518 CARBURETOR	67471	RS	DF
DWG PPEL 5-5 RS REF: Prel, 5 L-60024 L- DATE PCL 5-11 L- L- L-		SHEET	1-25-65	5	TORQUE (2) WAS 8-12 LBS IN	68894	JM	CI
			2-17-65	6	WAS 720394 WASHER	5971	JM	
			7	TORQUE (4) WAS 17-26 LBS. FT.				CI
			3-4-65	8	WAS 3874444 CARBURETOR	68860	MB	CI

3862100

CORVAIR 10000 SERIES

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

- ⑪ 11 3840323 STRAP
- ⑤ ⑫ 12 134551 NUT
- ② ⑬ 13 142555 CONNECTOR
- ⑭ 14 5650818 FILTER ASM
- ② ⑮ 15 111345 CONNECTOR
- ⑥ ⑯ 16 3829478 PIPE ASM-CHOKE
- ⑰ 17 3666901 CLIP
- ⑱ 18 3829477 PIPE-AIR INLET
- ⑲ 19 3817828 HOSE
- ② ① ⑦ ⑳ 20 3828680 TEE
- ④ ② ㉑ 21 142558 ELBOW



③ * PLUS ADDITIONAL TORQUE NECESSARY TO ALIGN TEE

- ① 85 - 105 LBS IN
- ② 100 - 125 LBS IN
- ③ 7 - 11 LBS IN
- ④ 115 - 135 LBS IN
- ⑤ 45 - 60 LBS IN
- ⑥ 75 - 175 LBS IN
- ⑦ 40 - 60 LBS IN *

CHEVROLET MOTOR DIVISION, GMC		UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK	
TURBO-CHARGER-FUEL FILTER, FUEL & CHOKE PIPES		L87	6-18-64	1	1217H CONNECTOR (100-125 LBS IN.) REMOVED	64200	RS	DF	
			10-5-64	2	ITEM (20) & TORQUE ADDED	66454	RS	DF	
				3	TORQUE NOTE ADDED				DF
			3-4-65	4	ITEM 21 & TORQUE SYM ADDED	68894	KM		
				5	SYM 21 HAS SYM 0				CI
10700		5.							
DWG PREL 5-5	RS	REF. Prel. 2	L-65936	L-					
DATE REL 5-15		L-	L-	L-					
		SHEET							



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

④ ② 6 3872226

PIPE ASM-OUTLET

7 3815335

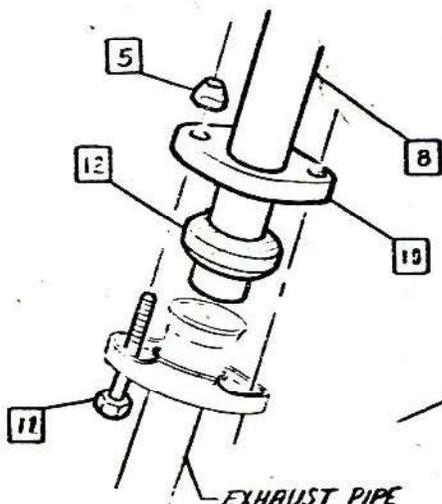
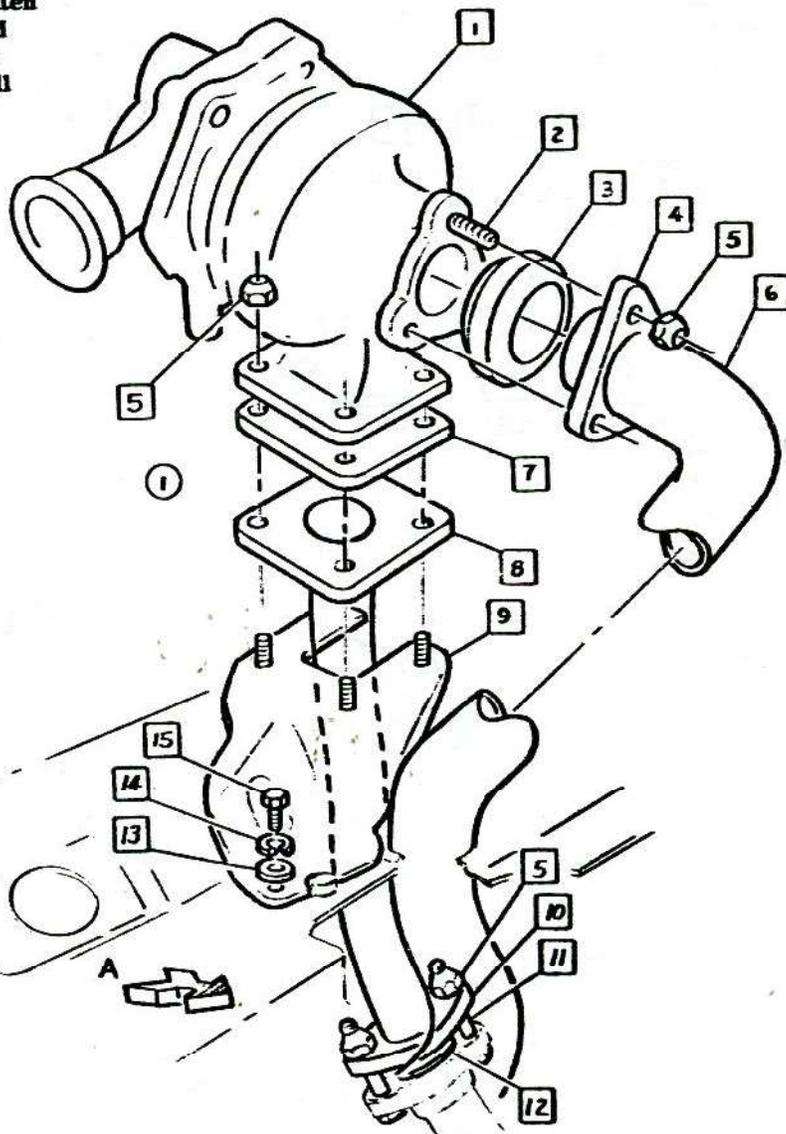
GASKET-INLET

③ 8 3869883

PIPE ASM-INLET

9 3840320

BRACKET ASM



VIEW A

- ⚠ 13 - 17 LBS FT
- ⚠ 15 - 24 LBS FT
- ⚠
- ⚠

• CHEVROLET MOTOR DIVISION, GMC •				UPC	DATE	SYM	REVISION RECORD	AUTH	DR	CK
TURBO-CHARGER-TURBOCHARGER, INLET & OUTLET PIPES				L87	7-23-64	1	STUD NOTE & ITEM (13, 14) REV'D	64735	RS	
						2	WRS 385444 PIPE	65166		
						3	WRS 3858445 PIPE			WB
					9-16-64	4	WRS 3867552 PIPE	65749	RS	LF
10700				6.						
DWG PREL 5-5	RS	REF: Prel. 3	L-73336		L-	L-	L-			
DATE REL 5-8				☑ SNEET						



CHEVROLET

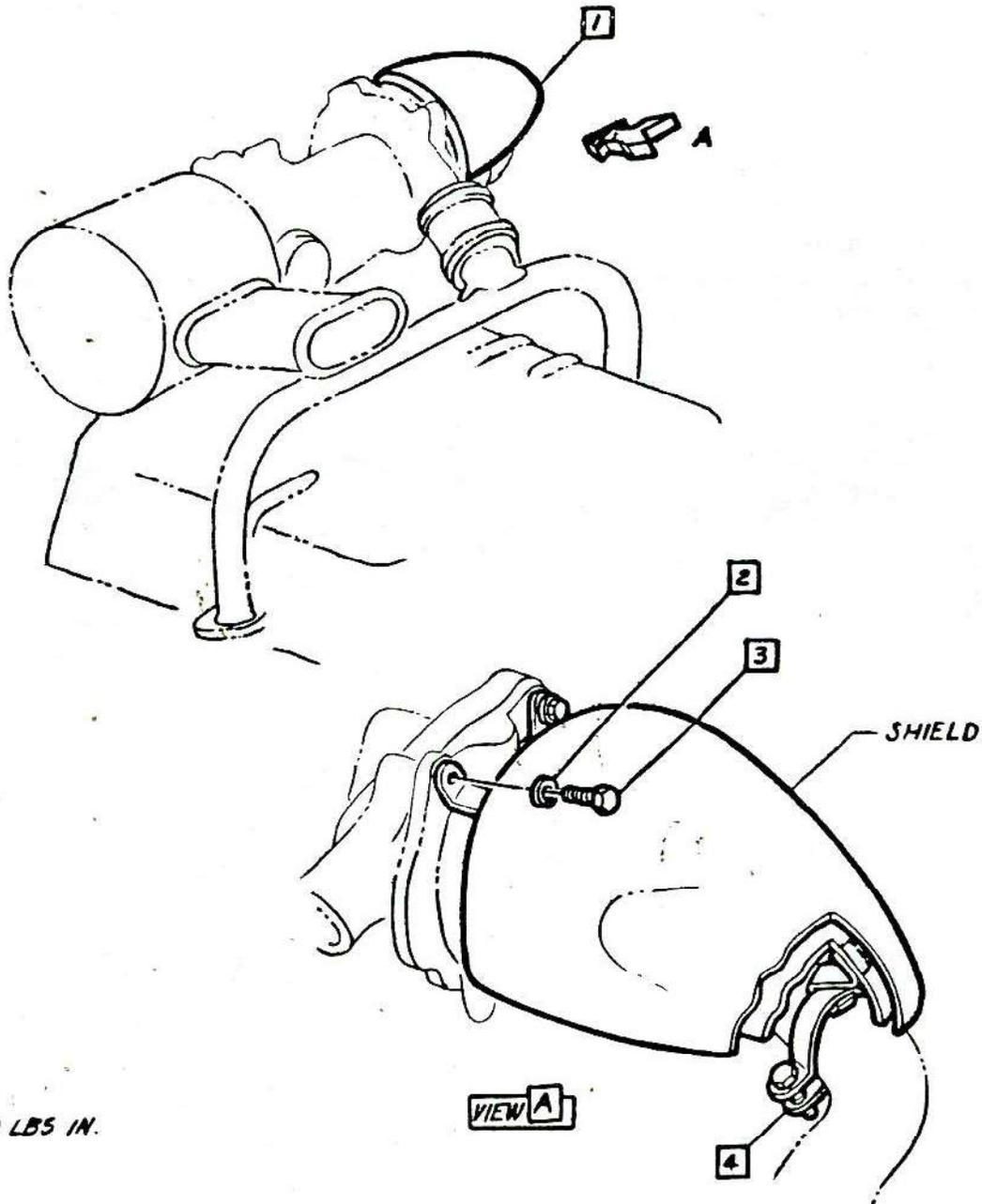
ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

- 1 3851995 SHIELD
- 2 103319 L. WASHER

- 3 9417815 BOLT
- 4 9421053 CLAMP



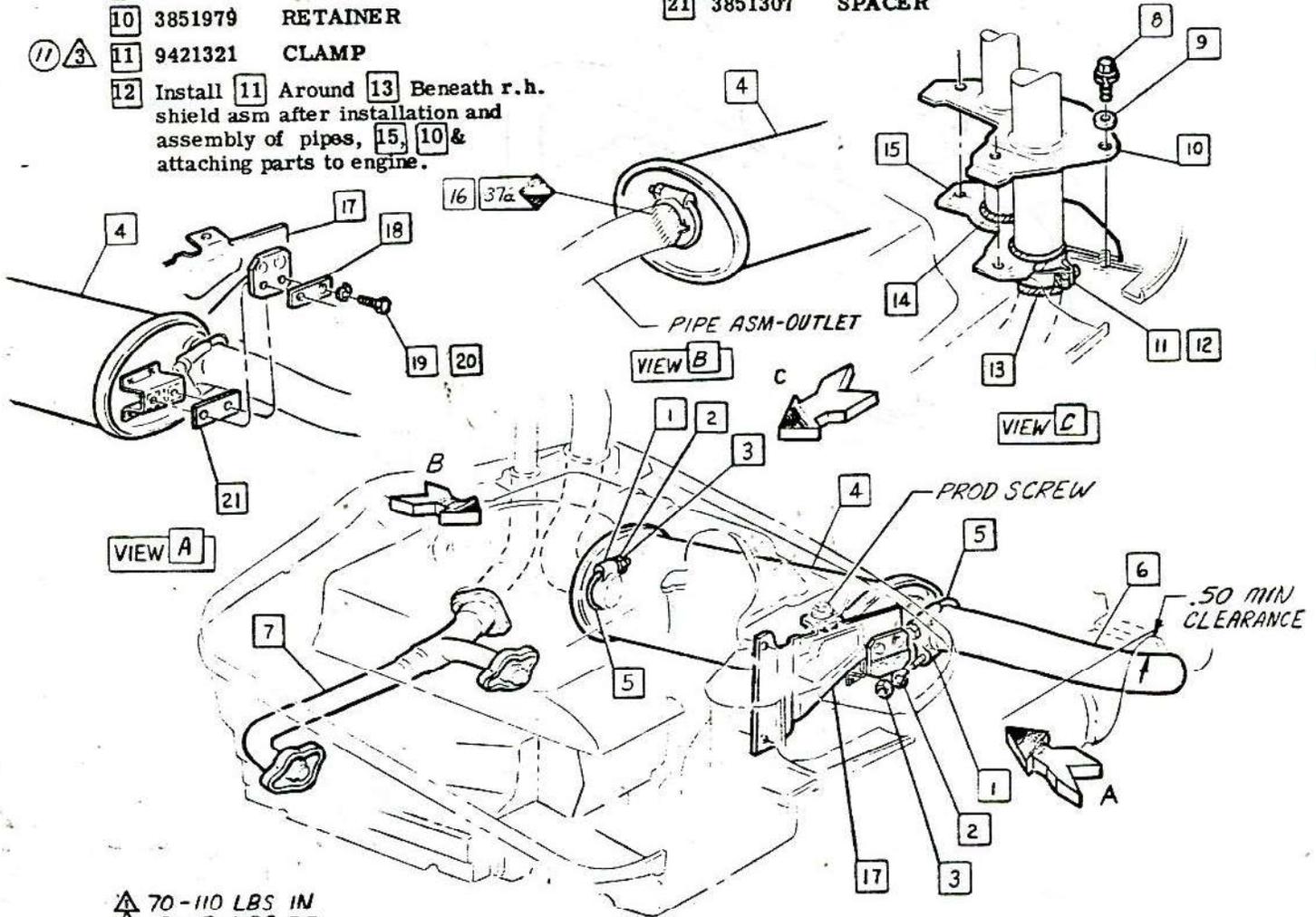
▲ 20-30 LBS IN.
▲
▲

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 1						

- ③ 1 2395898 CLAMP
- 2 103320 L. WASHER
- ① 3 102634 NUT
- 4 3869877 MUFFLER ASM
3869878 -OPT
- 5 2395897 "U" BOLT
- 6 3869879 PIPE-TAIL
- 7 3868440 EXHAUST PIPE ASM
- ⑨ ② 8 3856672 SCREW ASM
- 9 120392 P. WASHER
- 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.

- 13 3827240 SEAL
- 14 3827241 SEAL
- 15 3851978 PLATE
- 16 9985020 SEALING COMPOUND Approx .02 oz per job apply to full I. D. of connector prior to assembly of exhaust pipe.
- ⑩ ① 17 3873602 BRACKET ASM
- 18 3851306 RETAINER
- 19 103320 L. WASHER
- ④ 20 122017 BOLT
- 21 3851307 SPACER



- △ 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	CR
TURBO-CHARGER-EXHAUST SYSTEM				L87	10-5-64	8	WAS 239293 CLAMP	66467	RS	DF
					2-2-65	9	WAS 3409107 SCREW	15929	RS	
10700				9.		10	WAS 385902 BRKT & DWS REVISED	6855		CI
						11	WAS 3411321 CLAMP			LS
DWG PREL 8 PS REF: Prel. 7 L-73078 L-76367				SHEET 1						
DATE REL 5-15 L- L- L-										



CHEVROLET

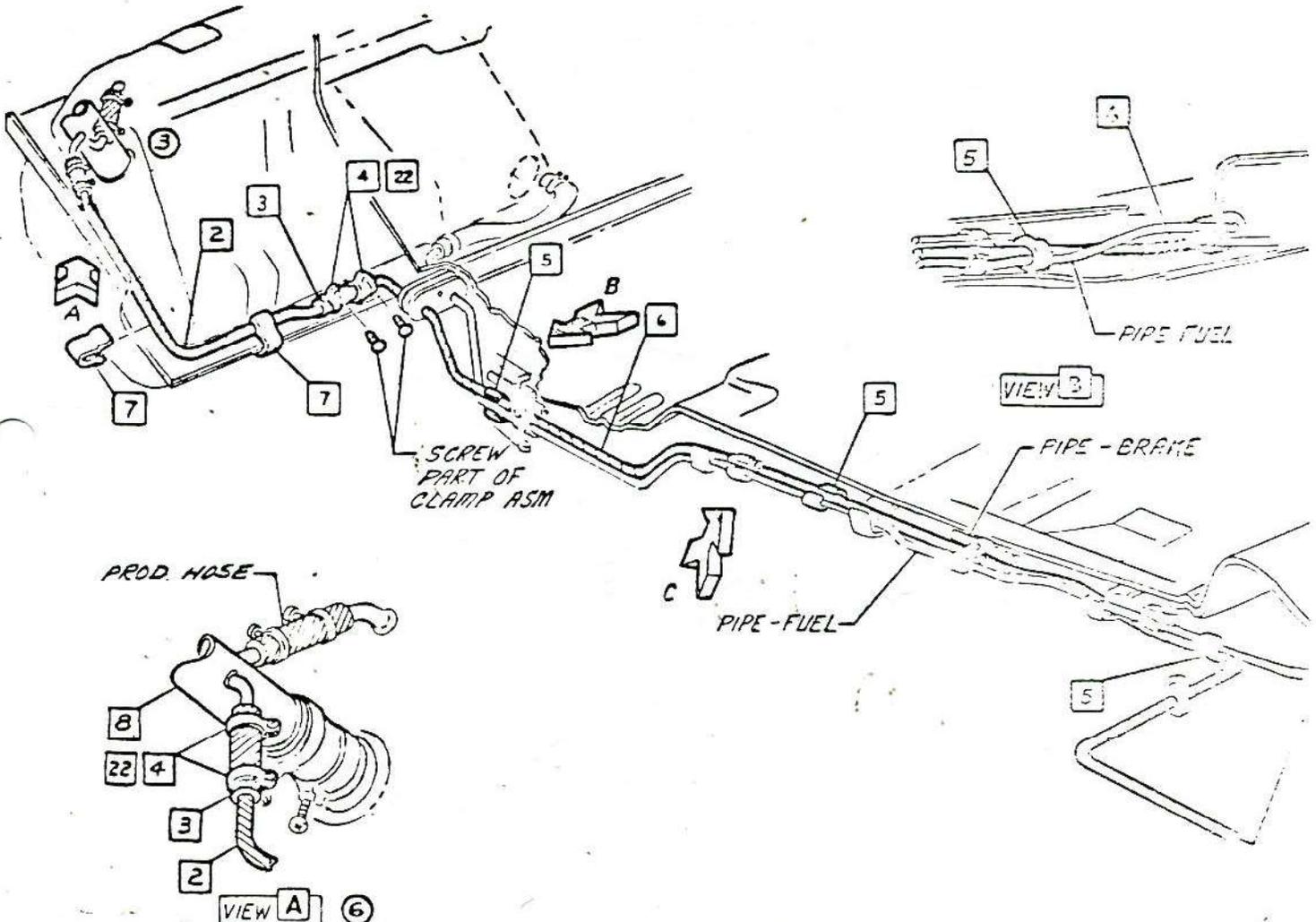
ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 196500 C100

- ⑤ ①
- ④ ② 2 3886531 PIPE - FUEL RETURN
- ③ 3 3767334 HOSE
- ① ④ 4 3783008 CLAMP ASM.
- ⑤ 5 599119 CLIP

- ① ⑥ 3873642 PIPE - FUEL RETURN
- ⑦ 3783002 CLIP
- ⑤ ⑧ 3883522 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 3862100
10700					5-2-65	2	WAS 3862100
DWG PREL 5-8					5-4-65	3	3862100
DATE REL 5-8	RS	REF: Prel. 8	L-72615	L-	L-	L-	

ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

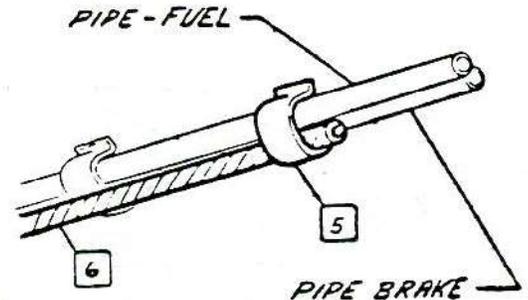
000000 HOSE
 Fasten ends of all clamps
 3/8 to 1/2 in. away from sheet
 metal for service & to avoid
 noise & vibrations.

- ⑦ 25 3819070 CLIP
- ③ 26 3886605 FITTING
- ③ 27 3886604 NUT ASM.

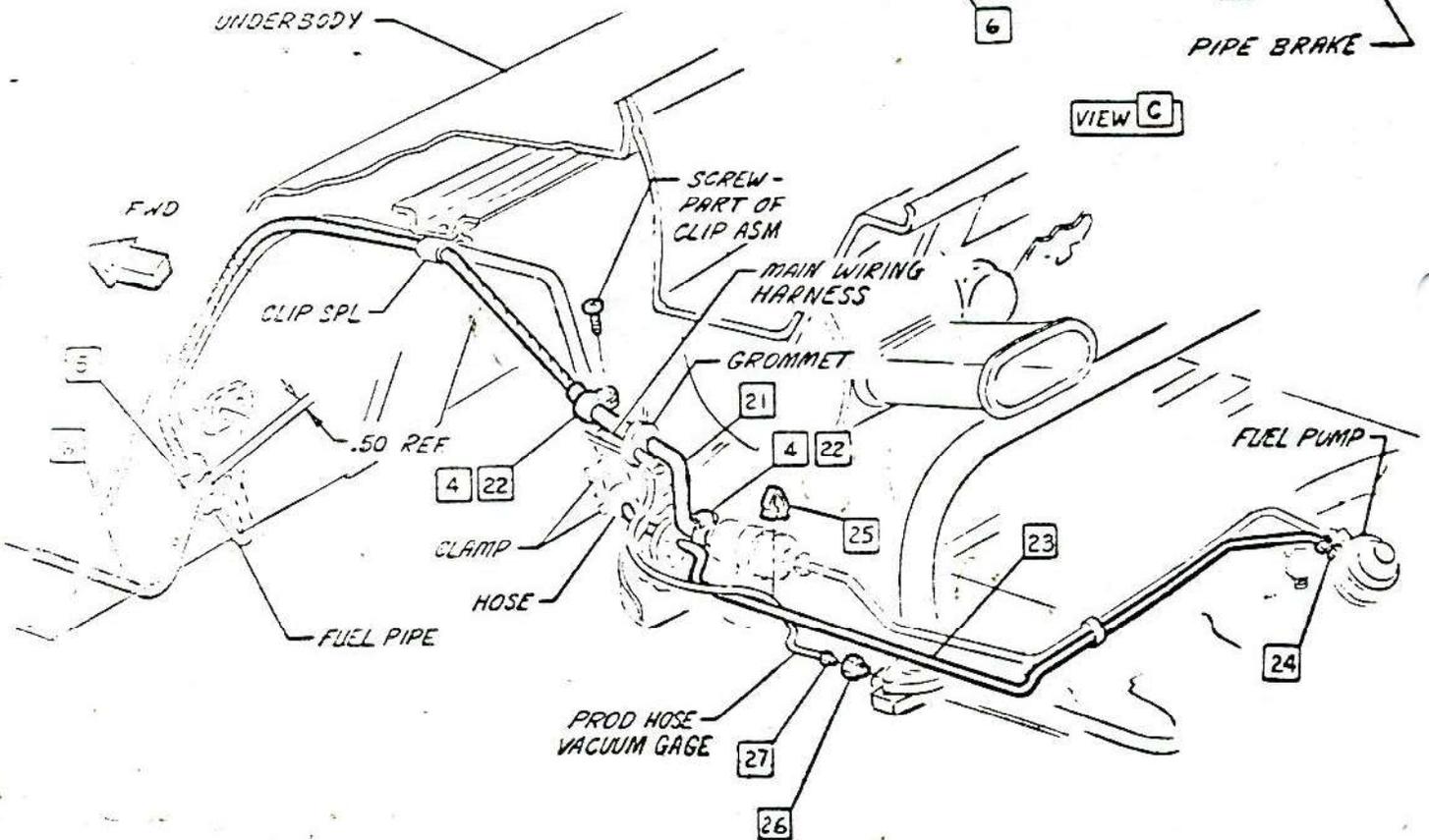
000000 PIPE ASM. - FUEL
 142555 CONNECTOR

③ HOSE FITTING INSTRUCTIONS

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



VIEW C



SEE HOSE FITTING INSTRUCTIONS

- 115 - 125 LBS IN
- 130 - 125 LBS IN

CORVAIR MOTOR DIVISION, GMC				UPC	DATE	SYM	REVISION RECORD	AUTH	DR	CK
TURBO-CHARGER - VACUUM GAGE HOSE, FUEL & FUEL RETURN LINES				L87	8-4-65	7	WAS 3724051 TAPE	7/29/65		
						8	HOSE FITTING INSTRUCTIONS ADDED			21
10700				REF 10.						
DWG FILES-5				11.						
DATE PCL 5/2				SHEET						

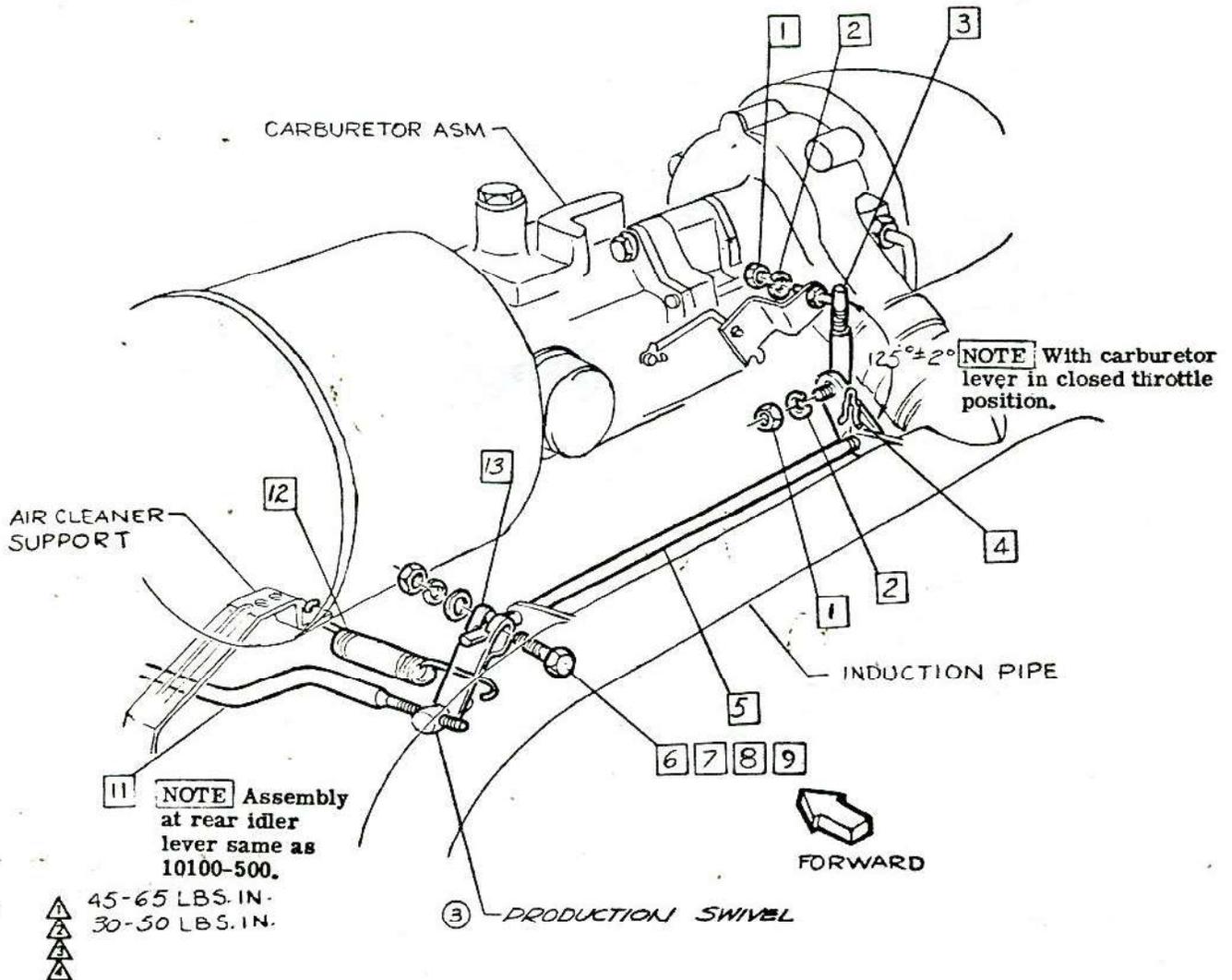


ASSEMBLY INSTRUCTIONS

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 | ④ 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)	68894	JM	
10700				12.			3817253 SWIVEL REV'D.			CI
DWG PREL 5-5	R.C.	REF. Prel. f.	L- 71490	L-						
DATE REL 5-5		L-	L-	L-						
				☒ SHEET 1						

+



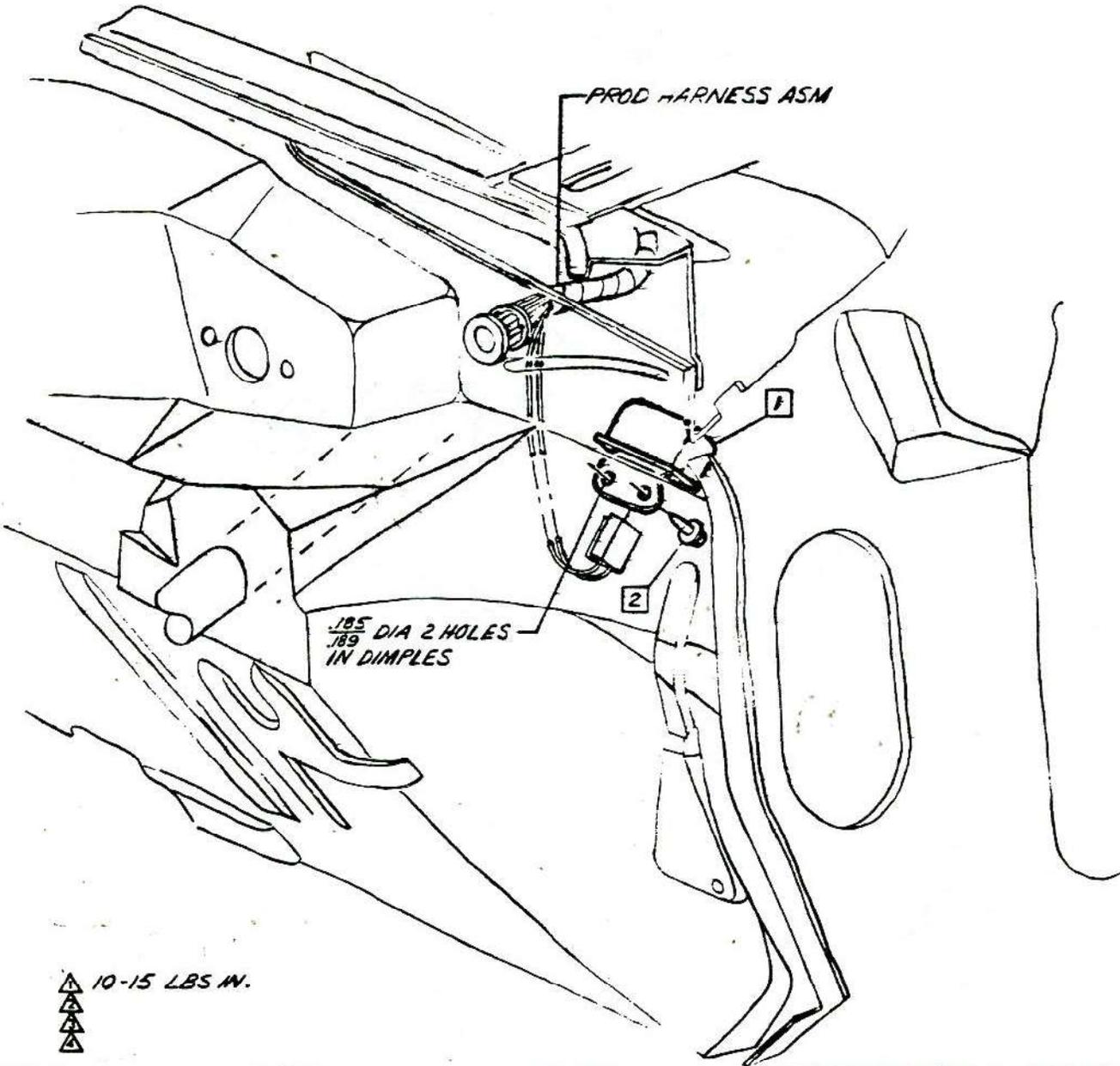
R E S T R I C T E D

ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

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



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



CHEVROLET

ASSEMBLY INSTRUCTIONS

3862100 CORVAIR 10000 SERIES

NOT ILLUSTRATED ON THIS SHEET

SHEET

TITLE

1.

CONTENTS

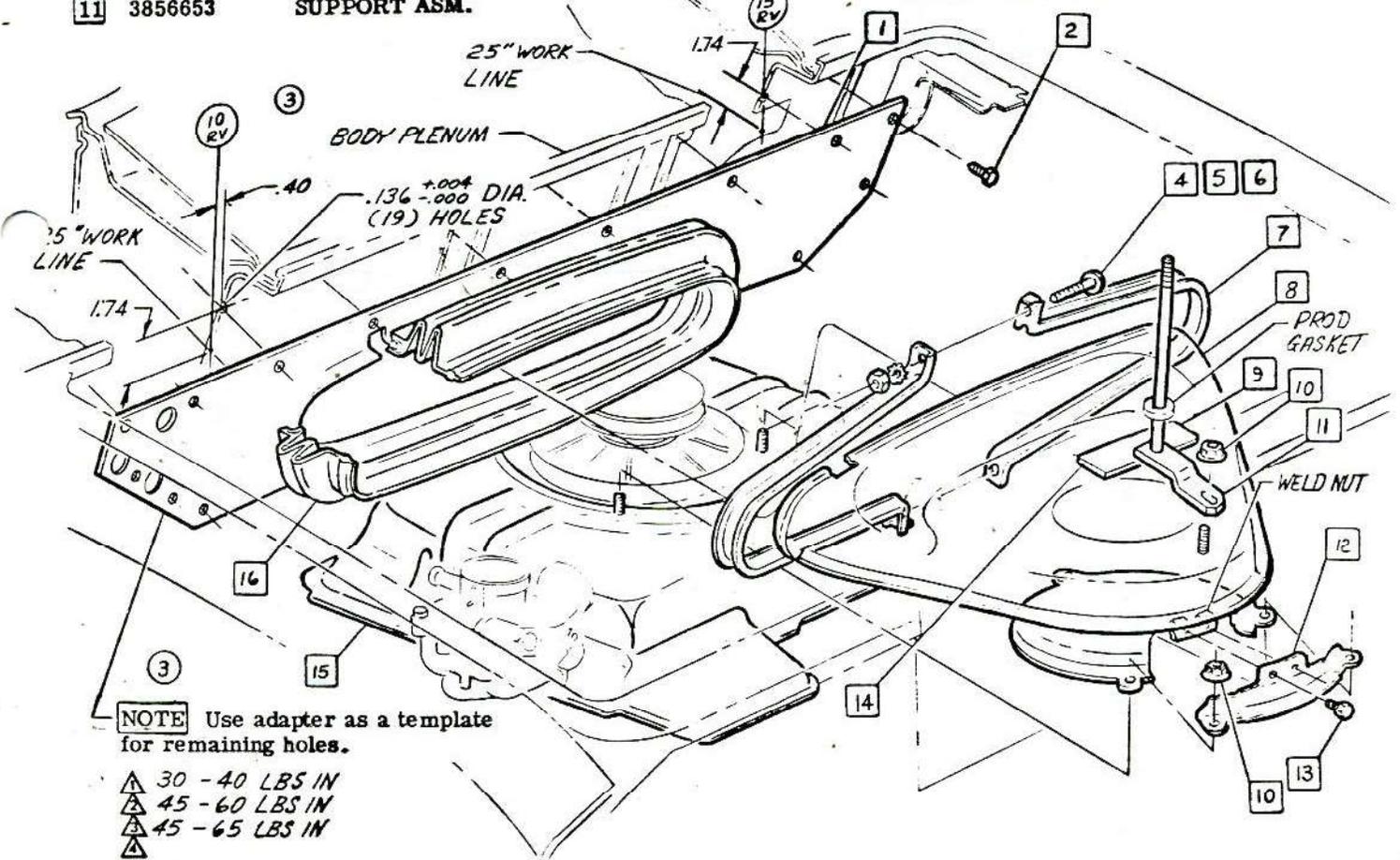
2. AIR CLEANERS

- 1 3856660 ADAPTER - DUCT TO PLENUM
- ⚠ 2 9417558 SCREW
- 3 9 4912234 SCREW
- 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
- ⓪ 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



• 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
10100-500				1.	7-23-64	2	NOTE & PART NUMBERS ADDED	64798	RS	
							ADDED	64617		HB
DWG PREL 4-27 RS DATE REV 5-22				SHEET	10-12-64	3	HOLE DIMS & ADAPTER NOTE ADDED	64667	RS	DF



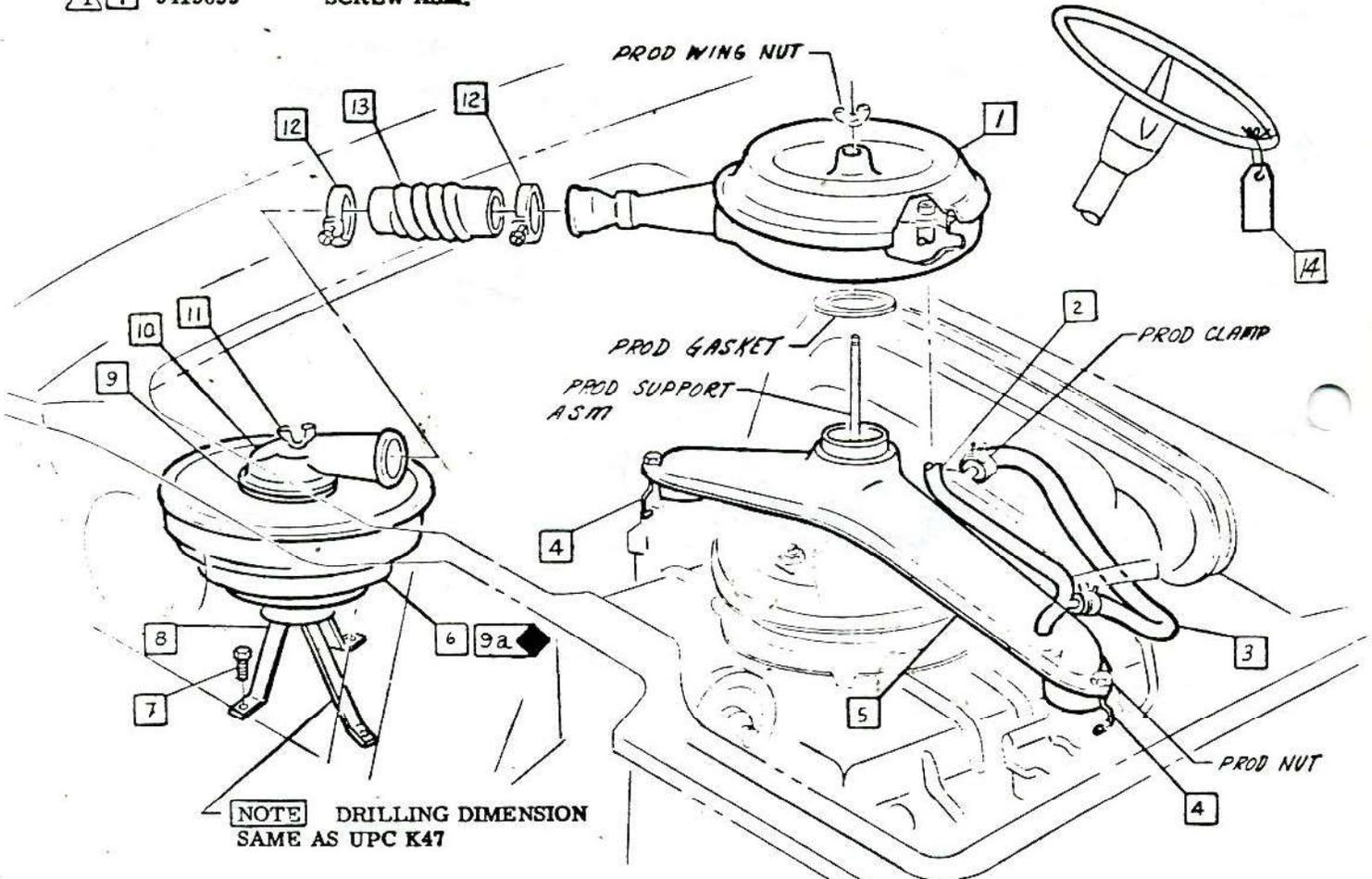
CHEVROLET

ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

- | | | | | | |
|---|---------|----------------------------|----|---------|---------------------------------|
| 1 | 6419984 | AIR CLEANER ASM. | 8 | 3856644 | BRACKET ASM. - AUX. AIR CLEANER |
| 2 | 3856657 | TUBE ASM. - CRANKCASE VENT | 9 | 1552261 | GASKET |
| 3 | 3856659 | HOSE - SPECIAL | 10 | 3851802 | OUTLET ASM. |
| 4 | 3856655 | BOLT - J | 11 | 3856710 | BOLT ASM. |
| 5 | 3877680 | TUBE & EXT. ASM. - INLET | 12 | 274785 | CLAMP |
| 6 | 6419985 | AIR CLEANER ASM. | 13 | 3856697 | HOSE - SPECIAL |
| 7 | 9419699 | SCREW ASM. | 14 | 3694280 | TAG. |



- ▲ 10-15 LBS IN
- ▲ 5-8 LBS IN
- ▲ 12-18 LBS IN

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	GR	CI
					1-25-65	2	WAS 3856651 TUBE	15352	BY	CI
10100-500				2.						
DWG PREL 4-27	PS	REF: Prod. 2	L-73867		L-					
DATE REL 4-28		L-	L-	L-	<input checked="" type="checkbox"/> SHEET					



G M C P O R T

ASSEMBLY INSTRUCTIONS

3862100 CORVAIR 10000 SERIES

SHEET TITLE

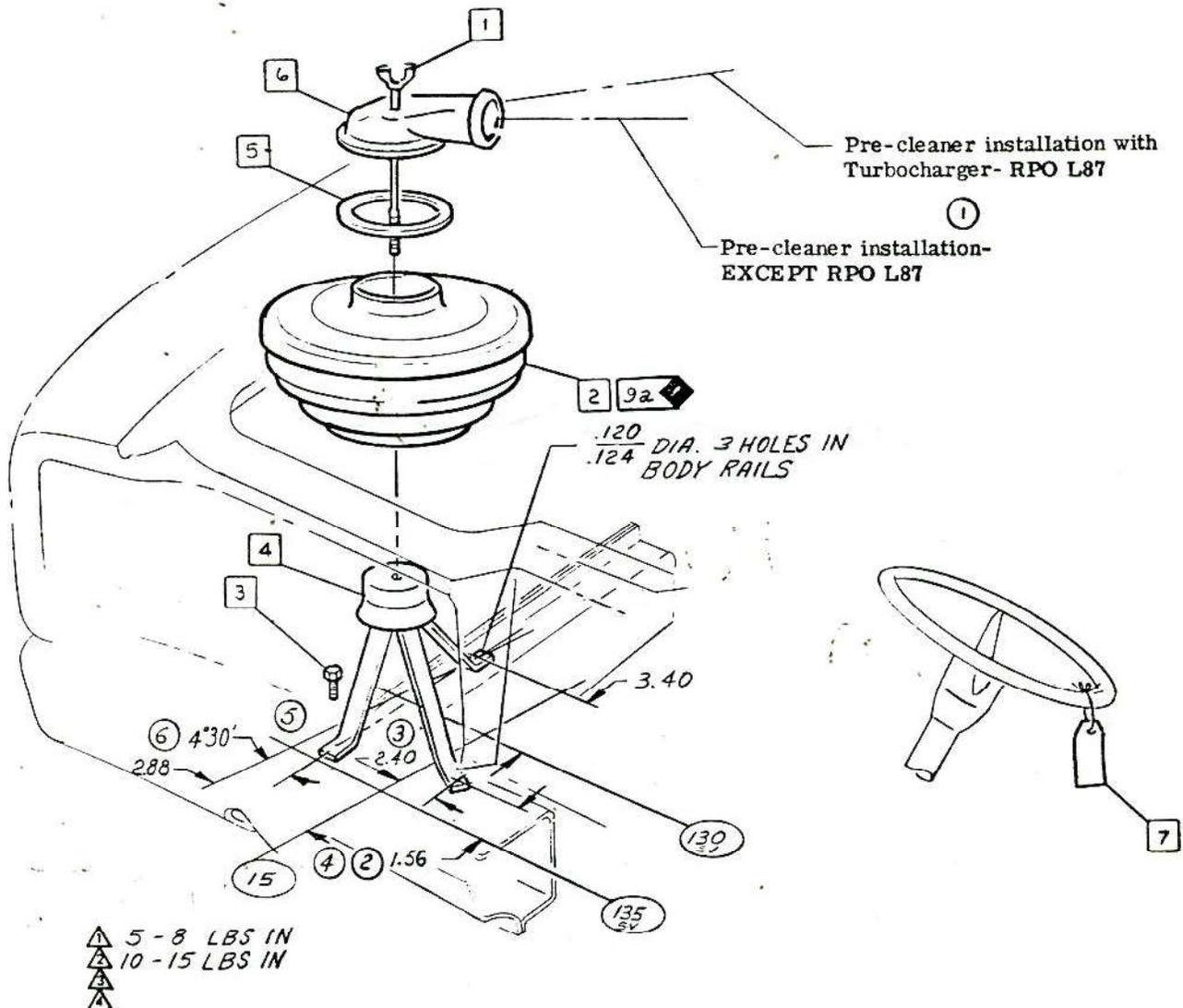
NOT ILLUSTRATED ON THIS SHEET

1. CONTENTS

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

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

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



▲ 5-8 LBS IN
▲ 10-15 LBS IN
▲

• CHEVROLET MOTOR DIVISION, GMC •				UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK	
OIL BATH AIR CLEANER-PRE-CLEANER -CONTENTS				K47	7-23-64	1	INSTR. REVISED (2) PLACES	63687	RS	HB	
					3-11-65	2	1.25 WAS 1.34		KM	CI	
10000				1.	3-31-65	3	2.40 WAS 1.05	70038	KM		
						4	1.56 WAS 1.25				
DWG PREL 3-12 RS REF: Prel. 1 L-74581 L-75115 DATE REL 5-22 L- L- L-				<input type="checkbox"/> SHEET <input checked="" type="checkbox"/>		5	.70 REMOVED				
						6	4*30* ADDED			CI	

1965-224



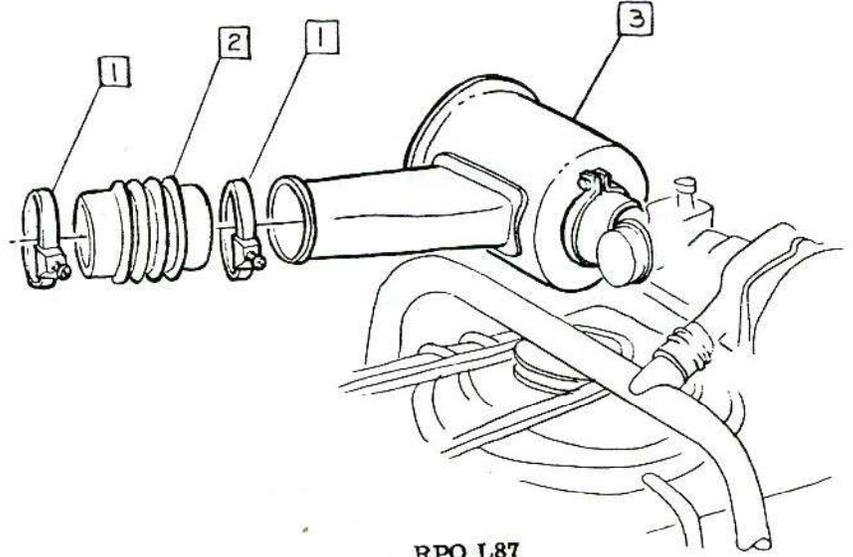
CHEVROLET

ASSEMBLY INSTRUCTIONS

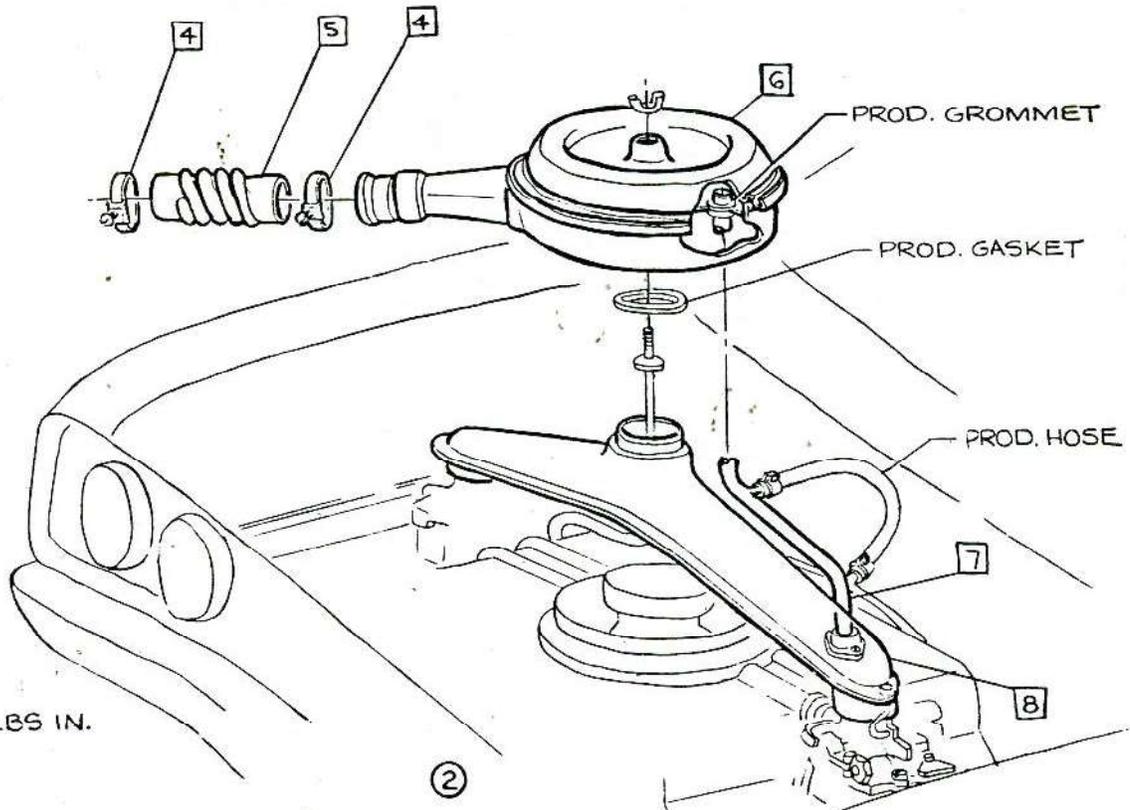
3862100

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



RPO L87

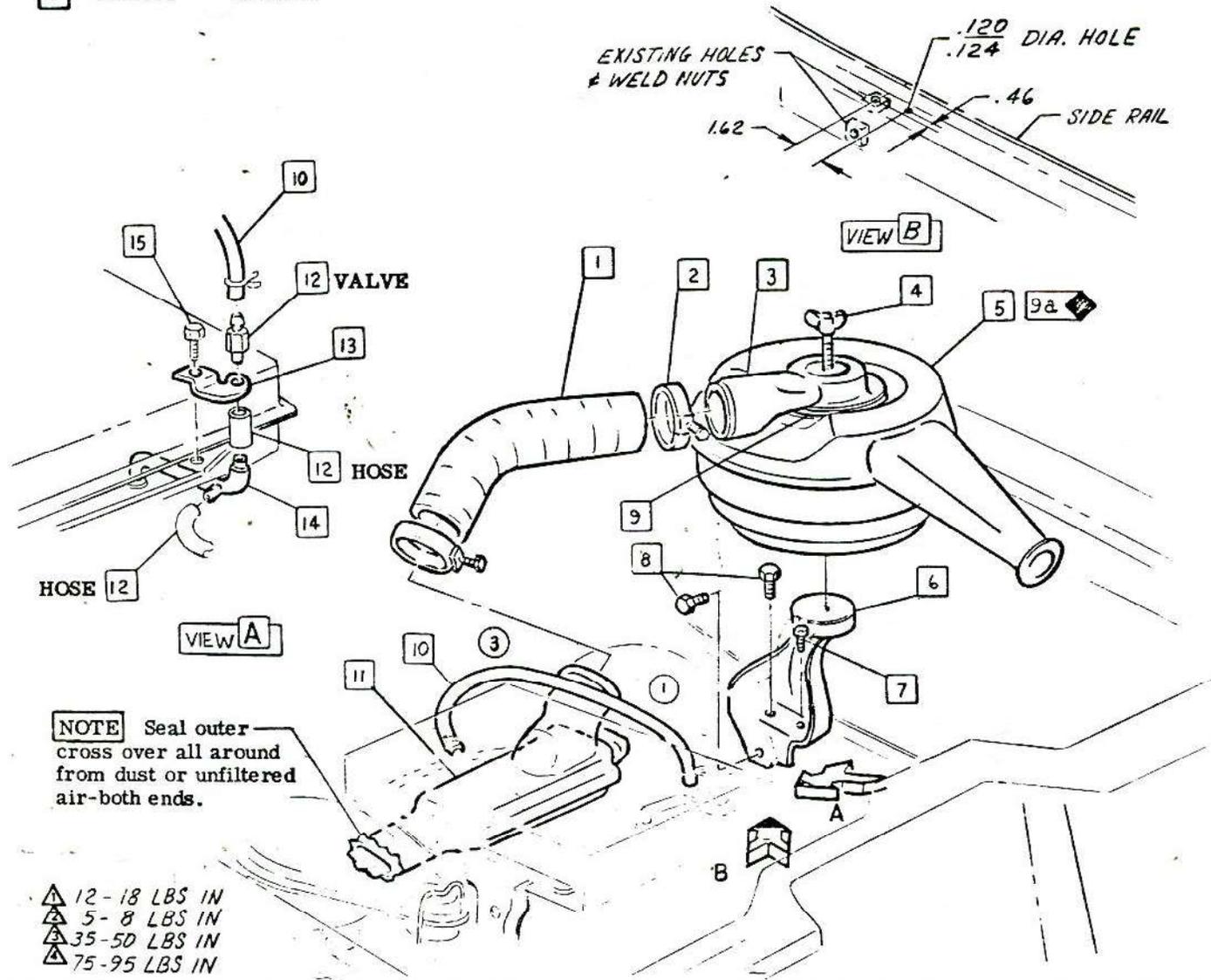


 12-18 LBS IN.

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 MODEL ADDED	23257	KJS	
				2	RESTRICTION REMOVED			HR
10000		2.						
DWG PREL 3-12			RE	REF: Prel. 2	L-74581	L-	L-	
DATE REL 3-12			L-	L-	L-			
		SHEET						



- | | | | | | |
|-----|---------|-------------|--------|----------------------------|------------|
| 1 | 3858649 | HOSE | 10 | 3851806 | HOSE |
| △ 2 | 274765 | CLAMP | 11 | 3851803 | INTAKE ASM |
| 3 | 3851802 | OUTLET | 12 | PARTS SAME AS RPO C64 | |
| △ 4 | 3856710 | BOLT ASM | 13 | 3851804 | SUPPORT |
| 5 | 6420085 | AIR CLEANER | Ⓟ 14 | 3851805 | TUBE ASM |
| 6 | 3867236 | BRACKET ASM | ② △ 15 | SCREW - PART OF EVAPORATOR | |
| △ 7 | 9419699 | SCREW | | | |
| △ 8 | 3786036 | SCREW | | | |
| 9 | 1552261 | GASKET | | | |



* 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	
				2	TORQUE ADDED	—		DF
			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

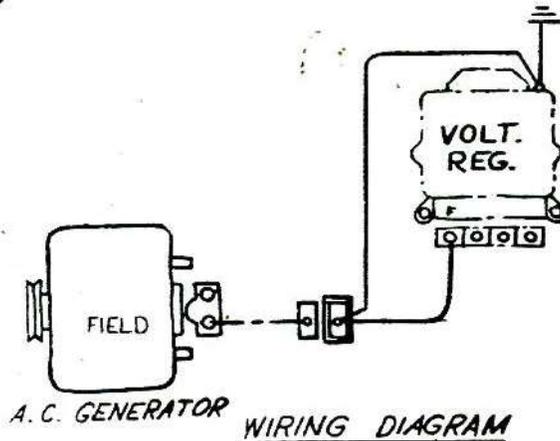
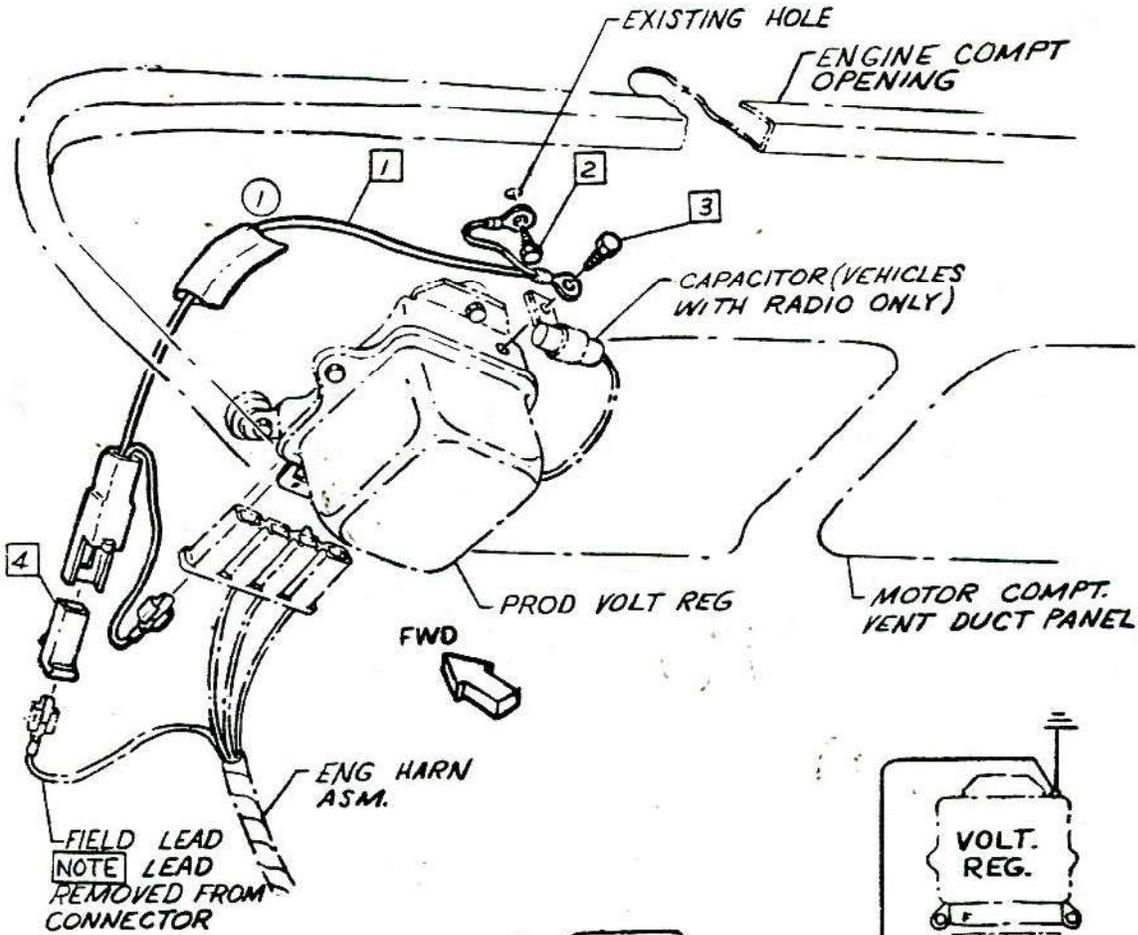
ASSEMBLY INSTRUCTIONS

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	SYN	REVISION RECORD	AUTL	DR	CK
A. C. GENERATOR		K84	10-6-64	1	DRAWING REVISED	66958	RV	DF
10000								
DWGPREL 3-20	RV	REF: Prel. 1	L-	L-				
DATE REL 3-20		L-	L-	L-				
		<input type="checkbox"/> SHEET <input checked="" type="checkbox"/>						



SHEET

TITLE

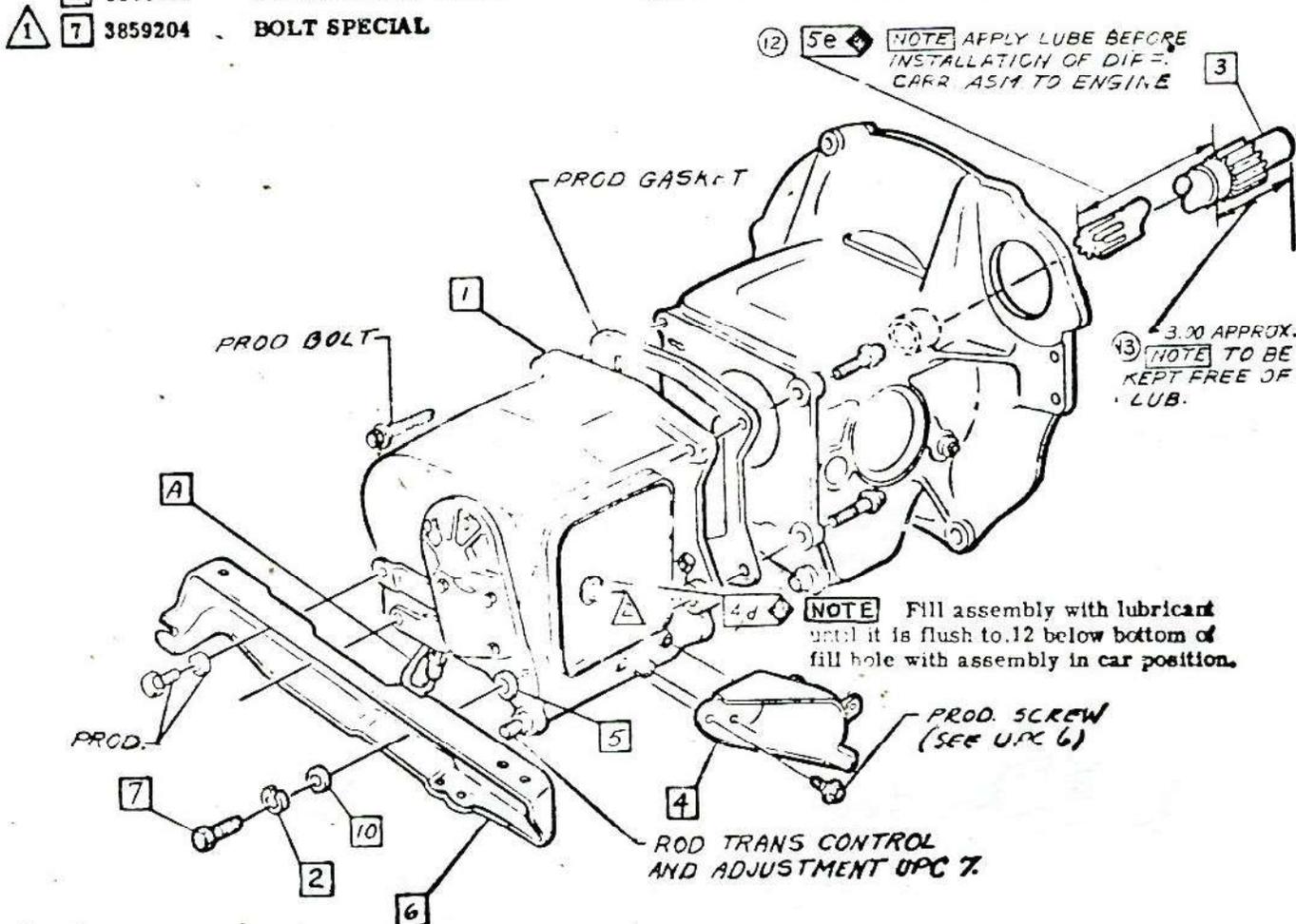
1. CONTENTS

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

- 10
- 11
- 9 3872875 HOUSING ASM



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

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

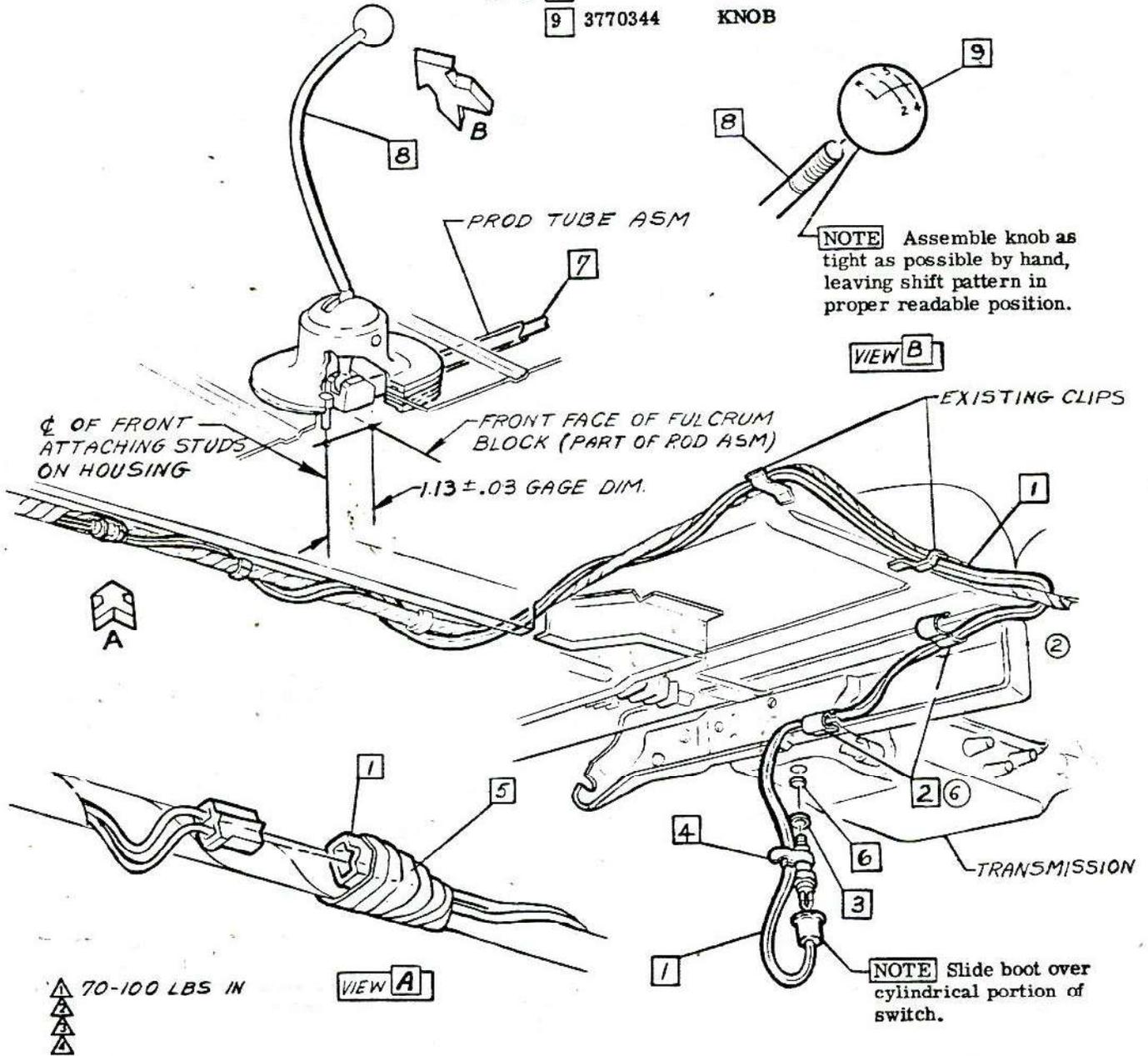
CHEVROLET MOTOR DIVISION, GMC		UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
FOUR SPEED TRANSMISSION-CONTENTS		M 20	11-1-65	8	ITEM 2 ADDED	SB	7	DA
10000		1.	3-22-65	9	WAS 3869812 HOUSING	66069	SB	DE
DWG PPL 3-5-64		DATE	REF: Prod. 1.	L- 71490	L- 71468			
DATE REL 3-31-64			L-	L-	L-			
SHEET 15								

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 TAPE 6 INCHES
Used to tape backing lamp switch wire to body wire harness.
- 6 6256809 PLUG 10100
- ⑤ 7 3679762 ROD ASM
- ④ 8 3872872 LEVER ASM
- 9 3770344 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	66178	SE	DL
			8-27-64	2	WIRE ROUTING REVISED	66592	SE	DL
10000		2.	7-22-64	3	WAS 1993302 SWITCH	66592	SE	DL
				4	WAS 3859285 LEVER	66069		DL
DWG PREL 2-5-64 SD REF: Prel. 2 L-73775 L- DATE REL 5-7-64 L- L- L-		SHEET 1	1-15-65	5	WAS 3870450 ROD	68911	JT	CI
			2-23-65	6	CLIP DRAWING REVISED	70038	JT	CI



CHEVROLET

ASSEMBLY INSTRUCTIONS

3862100

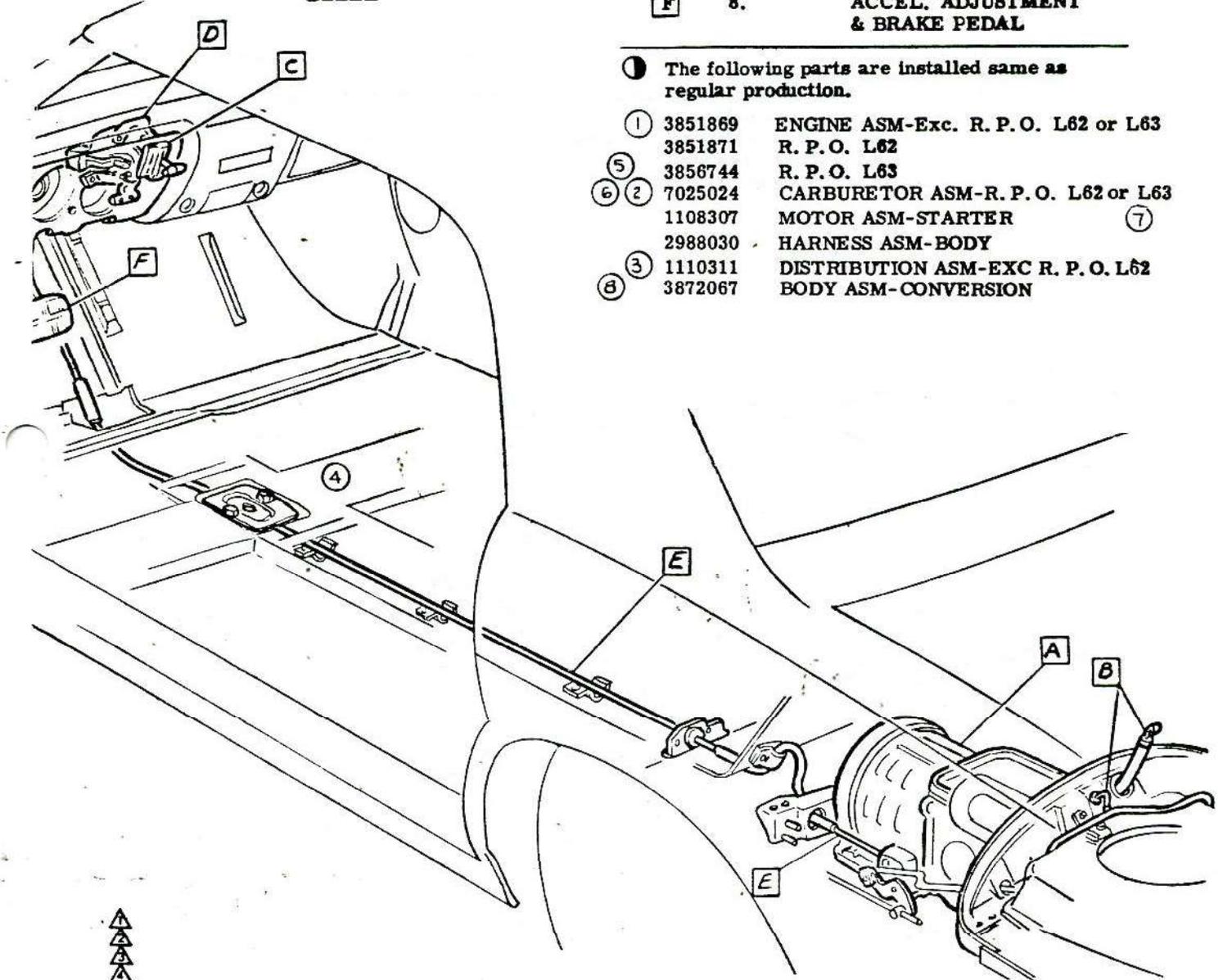
CORVAIR 10000 SERIES

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

SHEET	TITLE
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
- 3856744 R. P. O. L63
- ⑤ ② 7025024 CARBURETOR ASM-R. P. O. L62 or L63
- ⑥ ② 1108307 MOTOR ASM-STARTER
- 2988030 HARNESS ASM-BODY
- ③ ③ 1110311 DISTRIBUTION ASM-EXC R. P. O. L62
- ⑧ ③ 3872067 BODY ASM-CONVERSION



CHEVROLET MOTOR DIVISION, GMC		UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
AUTO TRANS. - CONTENTS			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



CHEVROLET

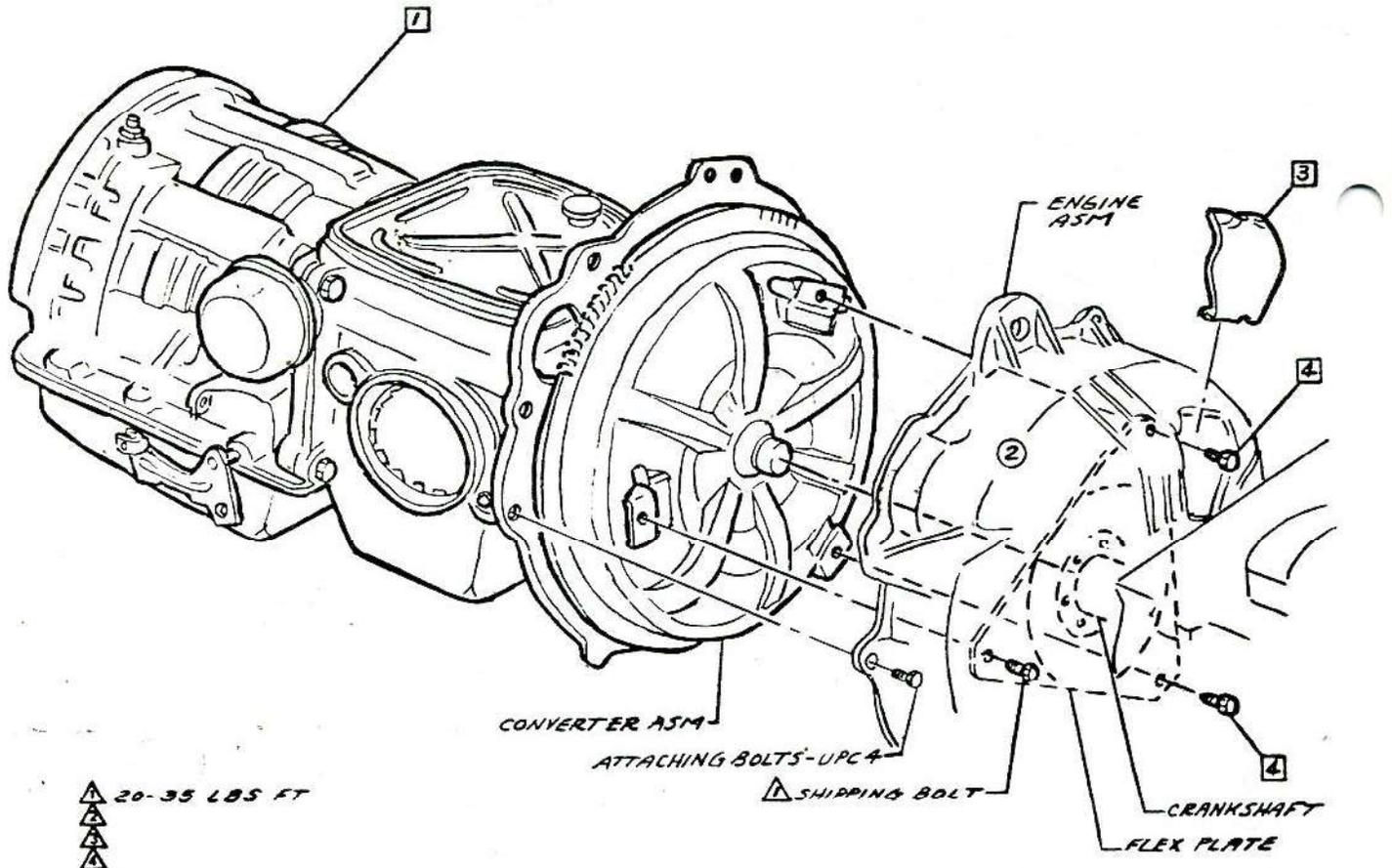
ASSEMBLY INSTRUCTIONS

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 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.



CHEVROLET MOTOR DIVISION, GMC				UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
AUTO TRANS. - TO ENGINE				M35	ENT-65	7	3751692 VENT ASM	13297	DH	
							REMOVED & DWG REVISED			CI
10100-500				2.						
DWG PREL. 2-6	REFM	REF: Prel. /	L- 50571 L-							
DATE REL 2-6		L-	L-	<input checked="" type="checkbox"/> SHEET						



PRELIMINARY

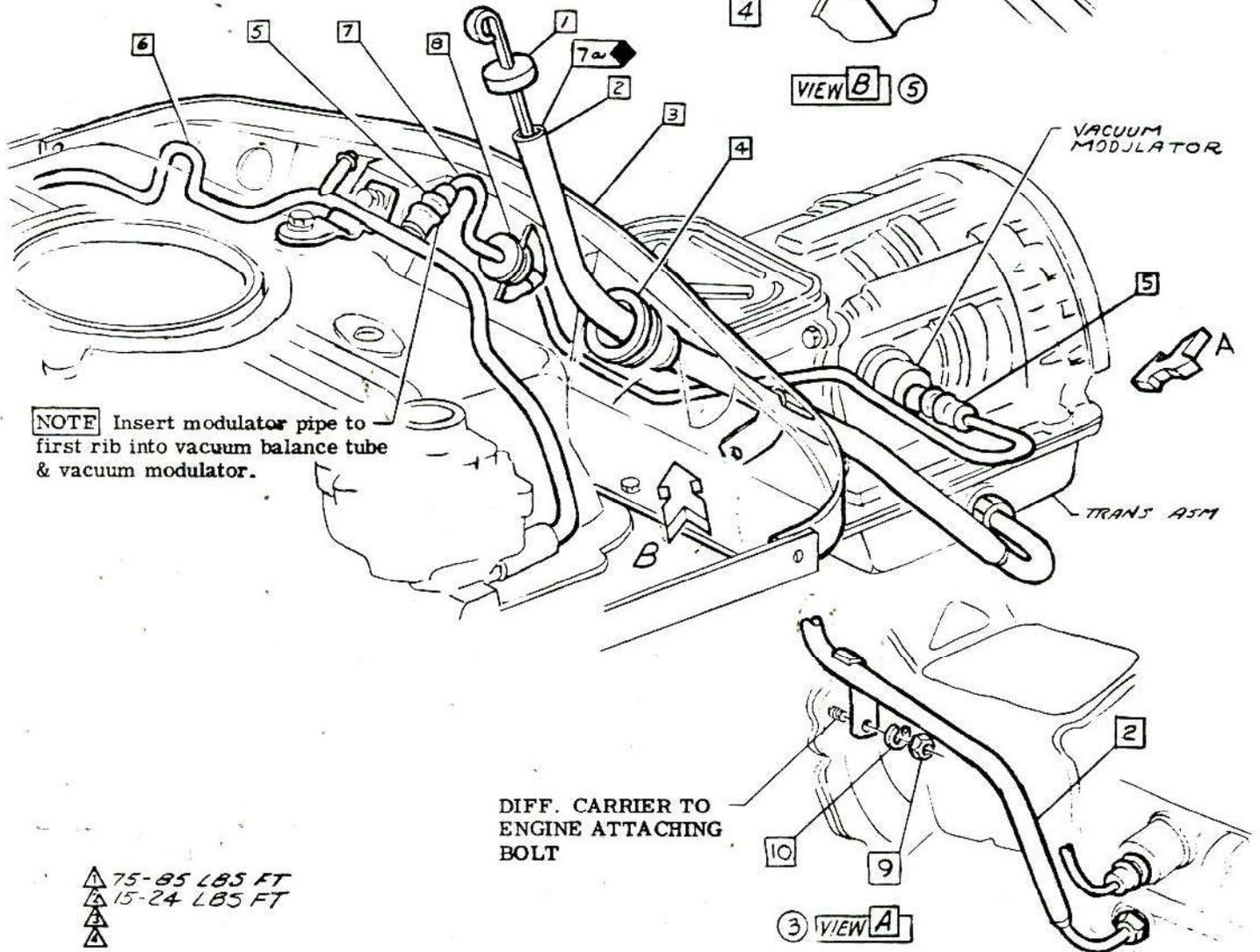
ASSEMBLY INSTRUCTIONS

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 & OIL FILLER TUBE		M35	7-31-64	1	3867224 WAS 3851678	62200	AM	
10100-500				2	ITEMS 9, 10 & TORQUE ADDED	63895		
DWG PREL 2-17				3	VIEW A REVISED			
DATE 2-15-64				4	3856719 TUBE ADDED	65700	UF	
REF: Prel. 2 L-70052 L-73563				5	VIEW B ADDED		BR	CI
DATE 2-15-64								
REF: Prel. 2 L-73370 L-								
SHEET 3								



3862100

ASSEMBLY INSTRUCTIONS

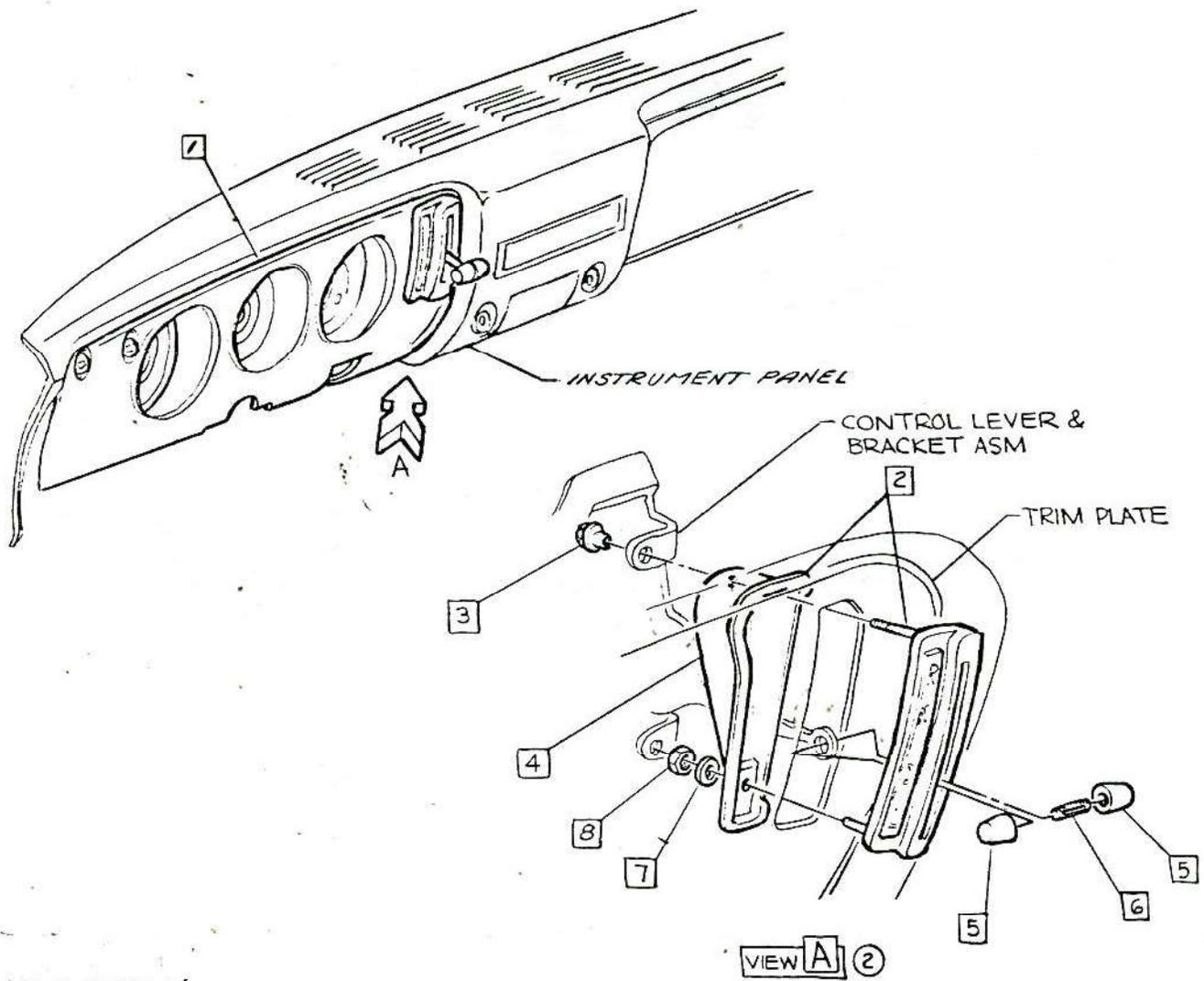
3862100

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.
▲ 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. 10100-500			M35 4.		7-7-64	1 TORQUE 2 ADDED	64793	RM	
						2 VIEW B REMOVED			
DWG PREL. 2-19 2FM REF: Prel. 3 L-73761 L-73627 DATE REL 4-23 L- L- L-			<input checked="" type="checkbox"/> SHEET		3-31-65	3 WAS 3861075 STUD & DWG REVISED	69943	CA	HB
						4 TORQUE (2) WAS 15-20 LBS. IN.			CI



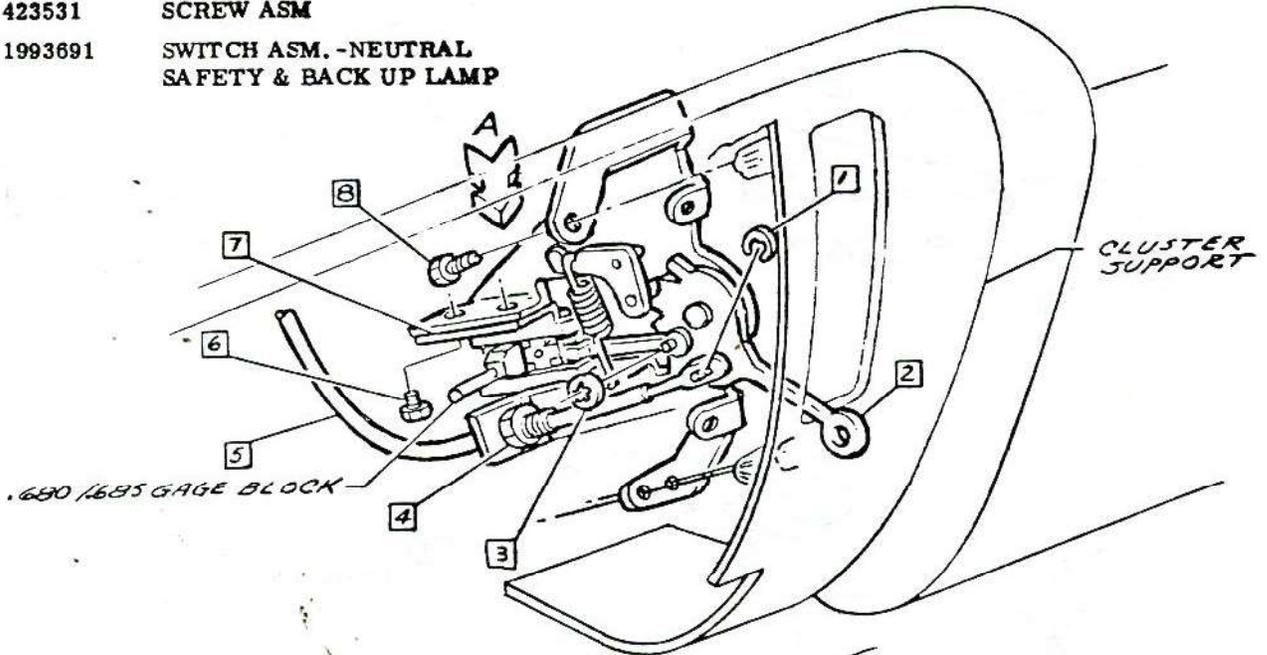
CHEVROLET

ASSEMBLY INSTRUCTIONS

3862100

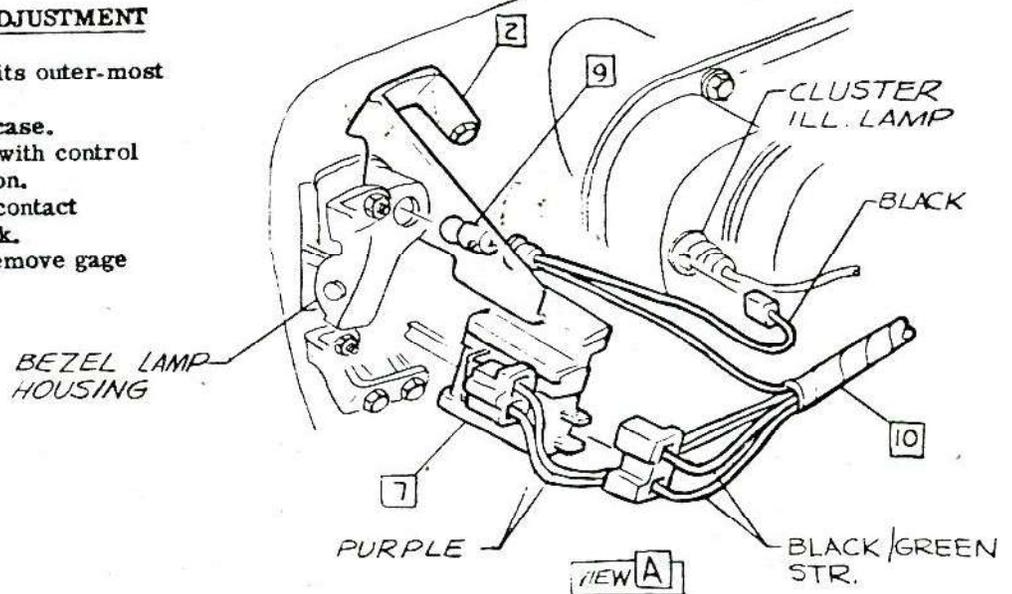
CORVAIR 10000 SERIES

- | | | | | | | | |
|---|---------|----------------------|---|---|----|---------|--------------------------|
| 1 | 9414805 | RING | ① | ③ | 8 | 9420686 | SCREW |
| 2 | 7028980 | LEVER & BRACKET ASM. | | | 9 | 274004 | BULB |
| 3 | 9413325 | RING | ② | ● | 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

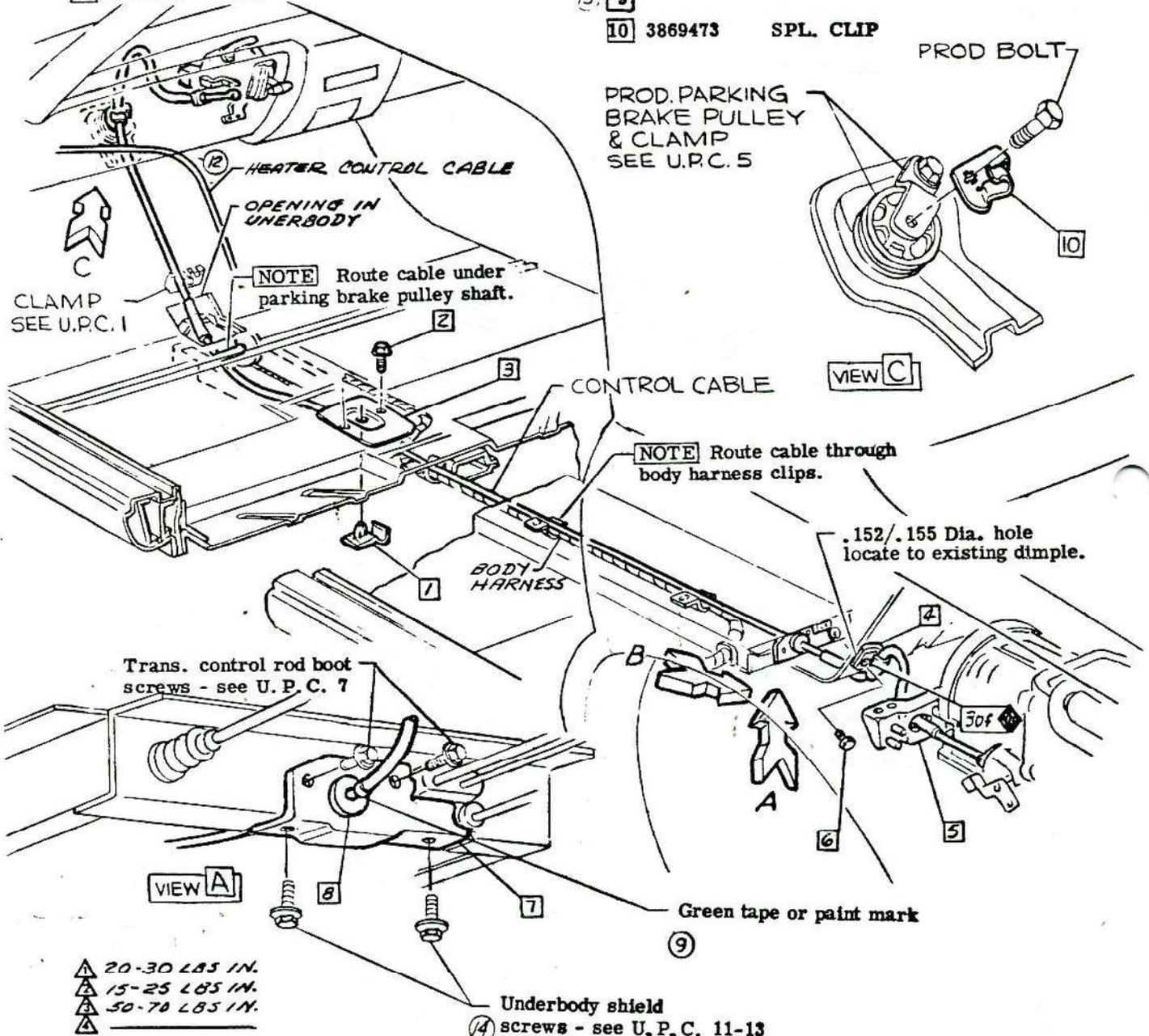
1. Extend plunger in switch to its outer-most position.
2. Insert gage block in switch case.
3. Install on mounting bracket with control lever in "NEUTRAL" position.
4. Push forward on case until contact carrier is against gage block.
5. Drive attaching screws & remove gage block.



- ▲ 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 75-204 1) 38-50 LBS IN.	64607	DM	
10100-500								
DWG PREL-2-20	2FM	REF: Prel. 4	L-73627	L-				
DATE REL 5-1		L-	L-	L-				
		5.						
		<input checked="" type="checkbox"/> SHEET						

- | | | | | | | |
|----|---------|----------------------------------|----|----|---------|-------------|
| 1 | 3772324 | CLIP-Bend tabs over at assembly. | 11 | 5 | 3876969 | SUPPORT ASM |
| 10 | 1 | 2 | 2 | 6 | 9417558 | SCREW |
| | | 3 | 3 | 7 | 3869453 | PLATE |
| | | 4 | 4 | 8 | 6257492 | GROMMET |
| | | | | 9 | | |
| | | | | 10 | 3869473 | SPL. CLIP |

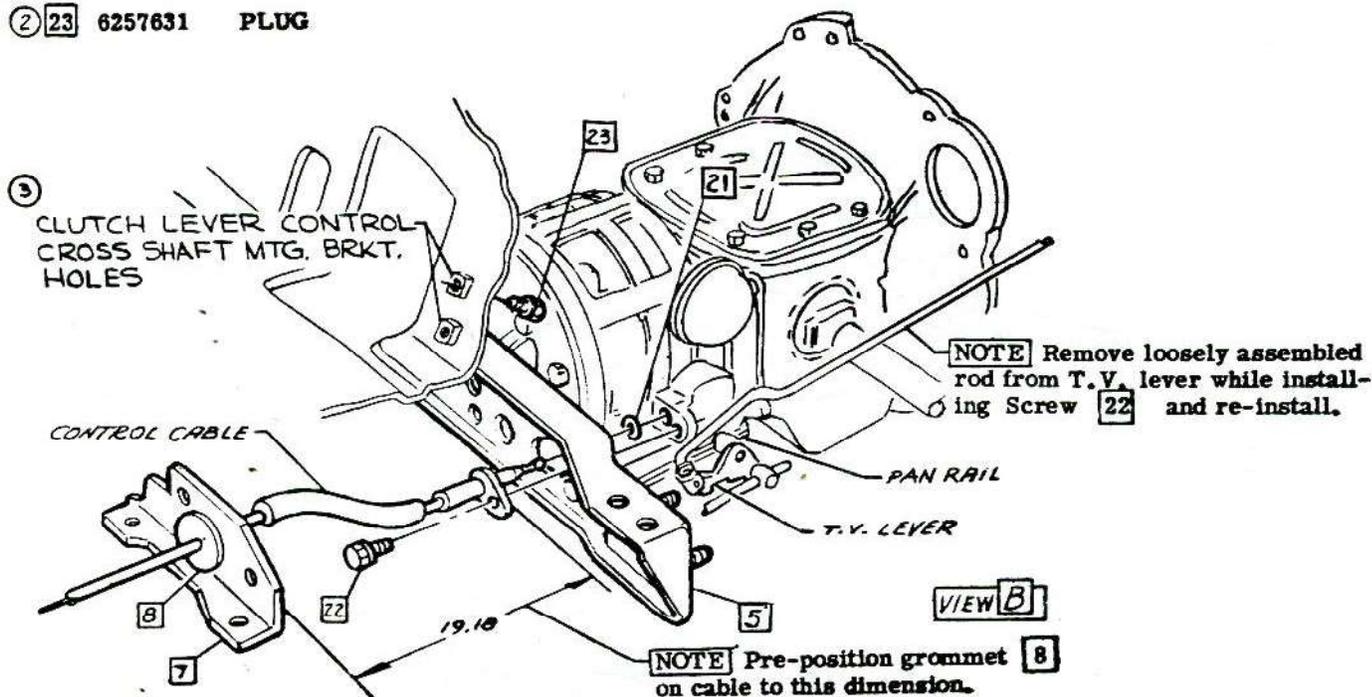


- ▲ 20-30 LBS IN.
- ▲ 15-25 LBS IN.
- ▲ 50-70 LBS IN.

CHEVROLET MOTOR DIVISION, GMC				UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
AUTO. TRANS - CONTROL CABLE ROUTING & INSTALLATION 10100-500				M35 REF. 7. 6. X SHEET	9-29-64	9	WAS "WHITE" TAPE	61661	RM	DF
					11-4-64	0	WAS 9414711 SCREW (C-15 LBS. IN)	15878	RM	DF
DWG PREL-2-25 DATE REL 2-25				REF. PREL. 5 L-73627 L-75895 L- L- L-	12-7-64	11	WAS 3868633 SUPPORT	e.056	BR	CI
					2-23-65	12	HEATER CABLE ADDED	63694	JM	
					13	9421803 SCREW 50-70 LBS. IN.				
					14	UPC NOTE ADDED				CI



- 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.

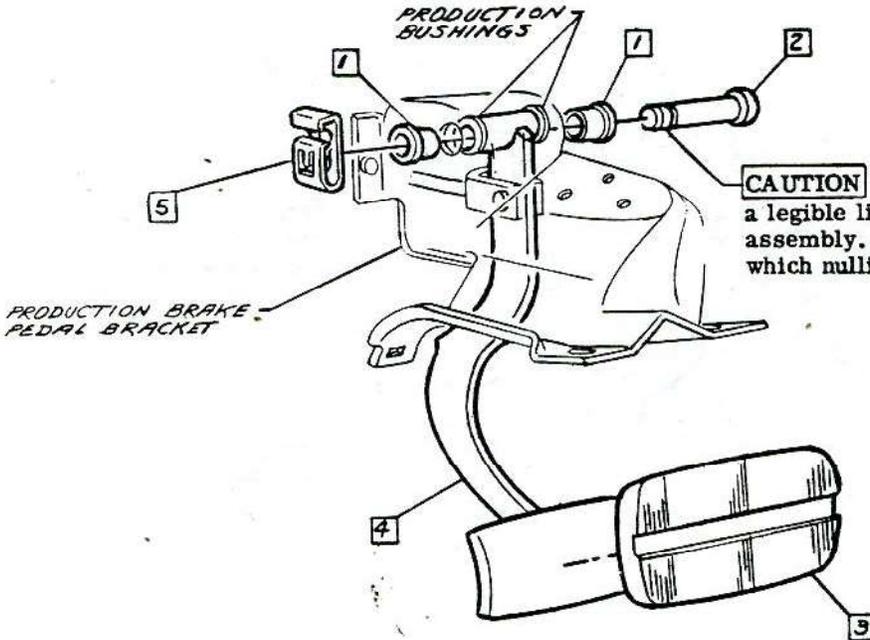
▲ _____
 ▲ _____
 ▲ _____
 ▲ 38-50 LBS. IN

• 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.							
REF. 7.											
SHEET X											
DWG PREL-2-25				REF. PREL. 6		L-73627		L-		L-	
DATE REL 2-25				L-		L-		L-		L-	



- 1 3798256 BUSHING
- 2 3857914 SHAFT
- 3 3745991 COVER

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



CAUTION Retainer 5 must scribe a legible line on end of shaft during assembly. Avoid any expanding tool which nullifies this intent.

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.

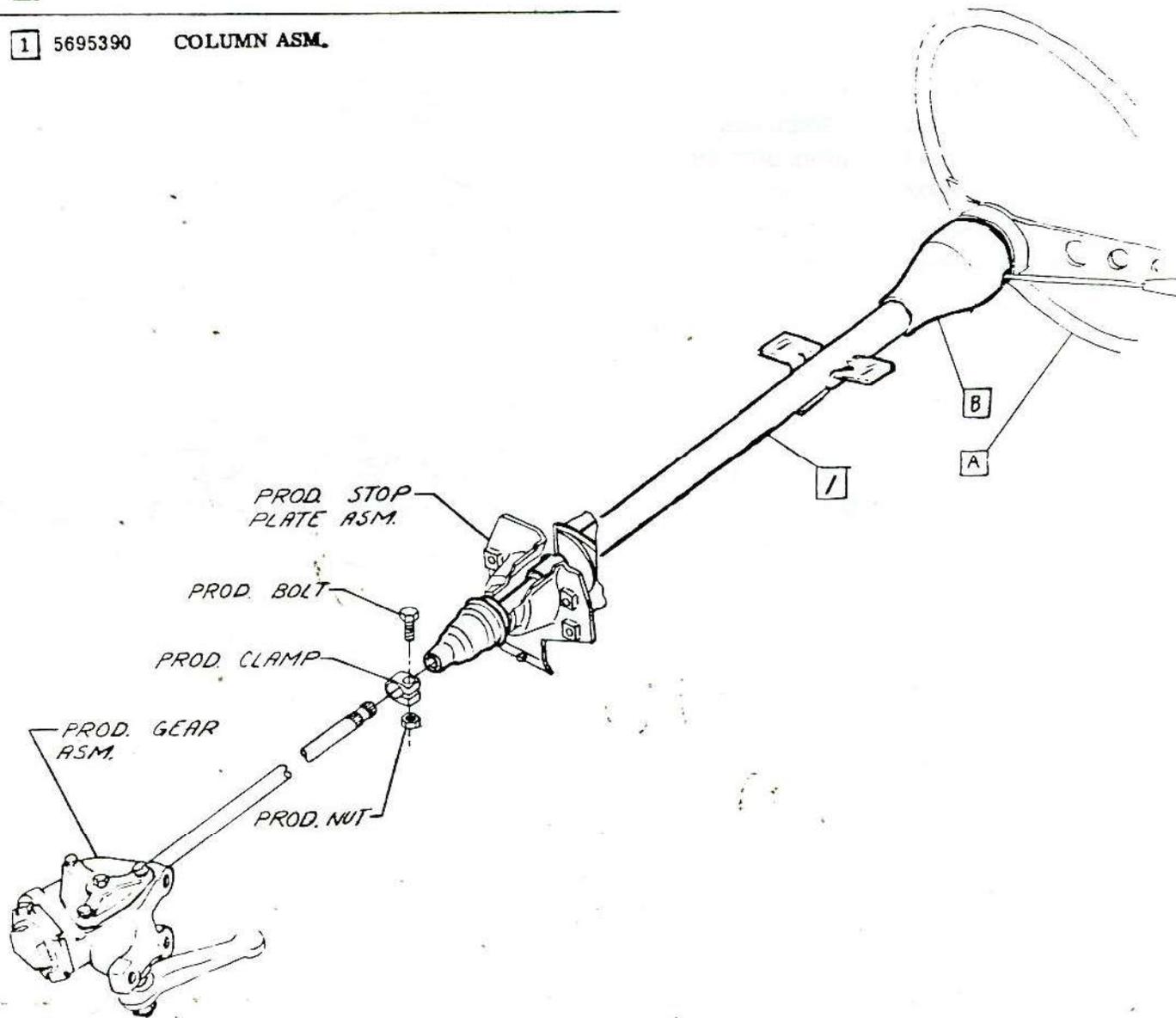


CHEVROLET MOTOR DIVISION, GMC		UPC	DATE	SYM	REVISION RECORD	AUTH.	DR.	CK.
AUTO. TRANS. -ACCELERATOR ADJUSTMENT & BRAKE PEDAL ASM.		M 35	7-27-64	1	WAS 1-1/2 INCHES	4798	RM	DF
10100-500		8.						
DWG PEEL-2-25	RFM	REF: Prel. 7	L- 71402	L-				
DATE REL 2-75		L-	L-	L-				
		<input checked="" type="checkbox"/> SHEET						

SHEET TITLE

- 1. CONTENTS
- A** 2. STEERING WHEEL & HUB
- B** 3. ASSEMBLY PROCEDURE-UPPER END

1 5695390 COLUMN ASM.

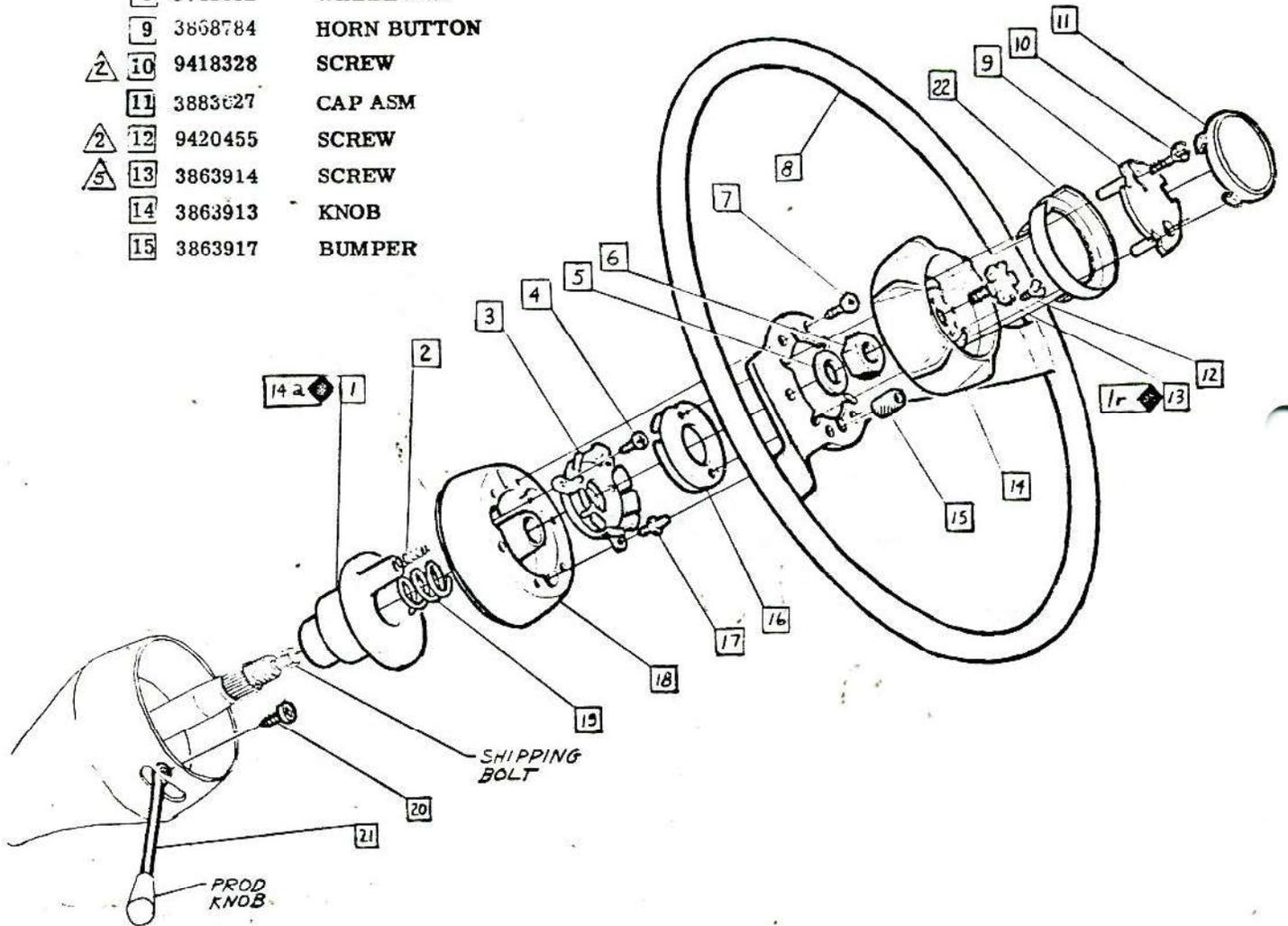


▲ 22-27 LBS FT
▲
▲

NOTE For recommended assembly procedure see UPC 9 PHASE III

● CHEVROLET MOTOR DIVISION, GM ●		UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
CONTENTS - TELESCOPIC STEERING SHAFT EQUIP.		N36	2-23-65	3	RE-DRAWN & REVISED			
10000		1.						
DWG # REF: 100-64	WE REF: Prod. / L-75033 L-	<input type="checkbox"/> SHEET <input checked="" type="checkbox"/>						
DATE REF: 3-18-64	L- L- L-							

- | | | | | | | | |
|---|---------|---------|-------------|---------|-------|---------|----------|
| 1 | 3863911 | CAM ASM | 16 | 3863909 | PLATE | | |
| ⑬ | 2 | 3883684 | SPRING | 3 | 17 | 3863910 | SCREW |
| | 3 | 3863904 | CONTACT ASM | | 18 | 3863902 | HUB ASM. |
| 3 | 4 | 9420146 | SCREW | | 19 | 3863915 | SPRING |
| | 5 | 3863921 | P. WASHER | 4 | 20 | 9421137 | SCREW |
| 1 | 6 | 114497 | NUT | | 21 | 3840903 | LEVER |
| 2 | 7 | 9418712 | SCREW | | 22 | 3874633 | LINER |
| | 8 | 9741032 | WHEEL ASM | | | | |
| | 9 | 3868784 | HORN BUTTON | | | | |
| 2 | 10 | 9418328 | SCREW | | | | |
| | 11 | 3883627 | CAP ASM | | | | |
| 2 | 12 | 9420455 | SCREW | | | | |
| 5 | 13 | 3863914 | SCREW | | | | |
| | 14 | 3863913 | KNOB | | | | |
| | 15 | 3863917 | BUMPER | | | | |



- ⑬ ▲ 30-40 LBS. FT.
 ▲ 20-30 LBS. IN.
 ▲ 15-20 LBS. IN.
 ▲ 10-20 LBS. IN. ▲ 35-45 LBS. IN.

* CHEVROLET MOTOR DIVISION, GMC *		UPC	DATE	SYM	REVISION RECORD	AUTH	DR	CK
TELESCOPING STEERING SHAFT EQUIP. STEERING WHEEL & HUB		N36	1-23-65	12	7-EDGE (1) 11-1-65 LBS. FT.	7038	CS	
10000				14	WAS 3863916 SPRING	7012	AM	CI
DWG PREL 2-11-64		REF 3 2.	REF: Prel. 2 L-75033 L-75571					
DATE REL 4-7-64			L- L- L-		SHEET			



TELESCOPIC STEERING

ASSEMBLY INSTRUCTIONS

3862100 CORVAIR 10000 SERIES

RECOMMENDED ASSEMBLY PROCEDURE

(UPPER END)

①

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	
10000					REF 2		2	STEPS 14-15 REVISED	04652	DF
REF: Prel. 3 L-75033 L-				3.						
DATE REL 5-7-64				SHEET <input checked="" type="checkbox"/>						



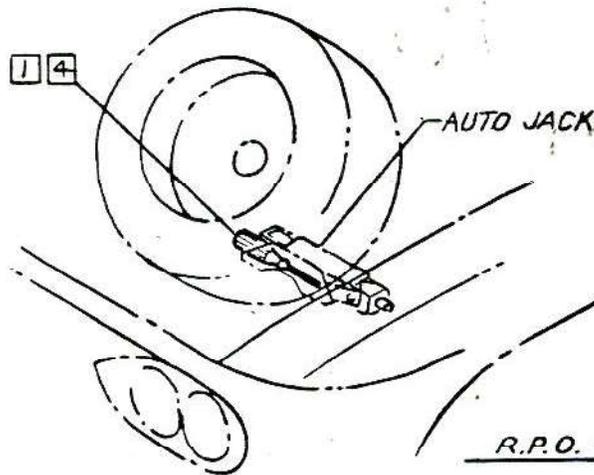
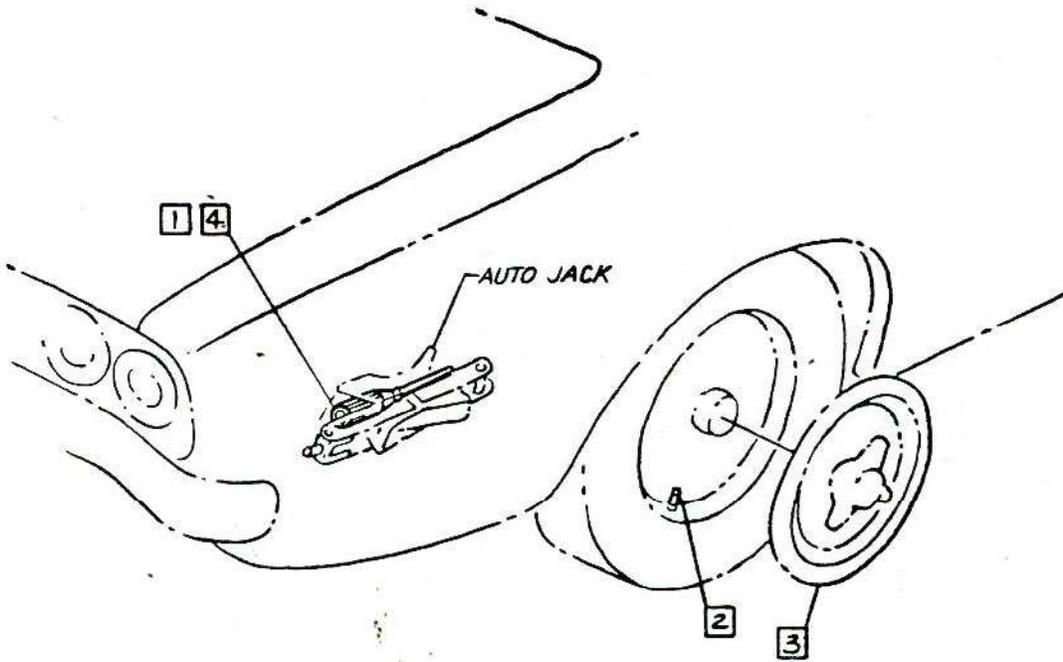
CHEVROLET

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. 2-28	EL	REF: Prel. J	L-65004 L-65030	SHEET						
DATE REL. 2-28		L-72779L-	L-							



GENERAL

ASSEMBLY INSTRUCTIONS

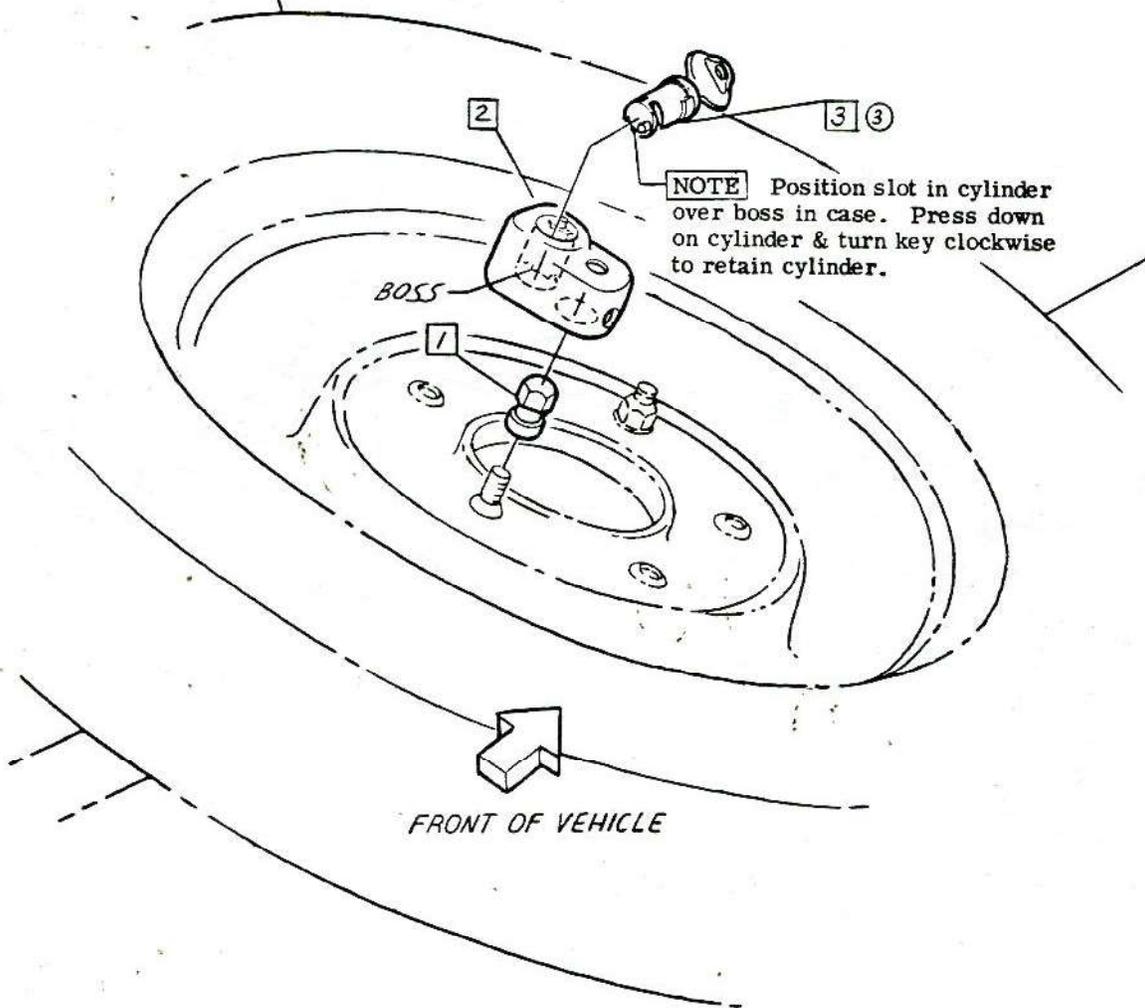
3862100 CORVAIR 10000 SERIES

⚠ 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.

⚠ 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	KL	H6
						2	ITEMS ADDED	63737	AM	
					9-23-65	3	WAS FISHER BODY PROVIDED			CI
10000				1.						
DWG PREL. 2-13	EL	REF: Prel. 1	L- 72279 L-							
DATE REL. 2-13		L-	L- L-	SHEET 1						

WZ

CHEVROLET

ASSEMBLY INSTRUCTIONS

3862100

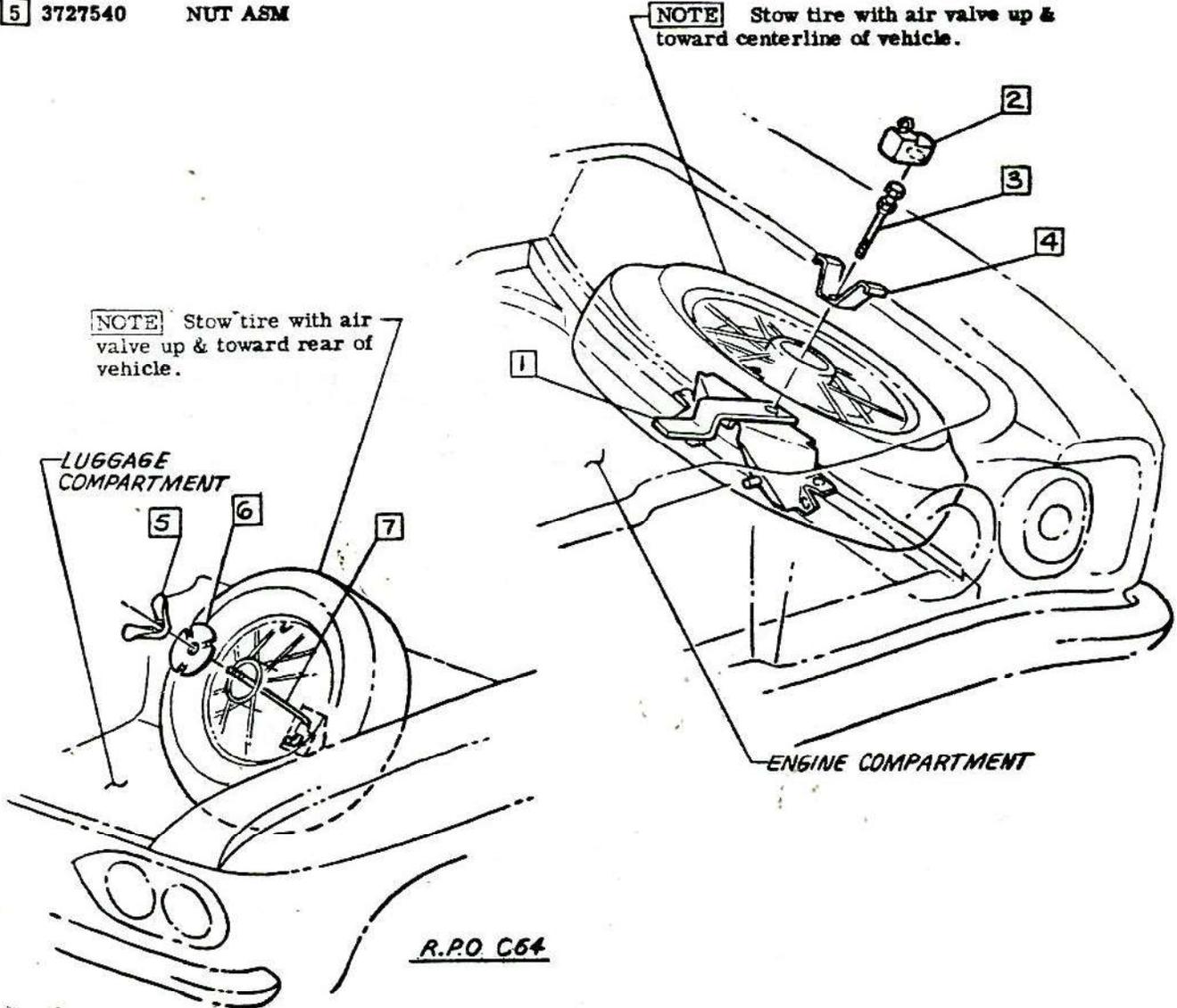
CORVAIR 10000 SERIES

- 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.



LUGGAGE COMPARTMENT

ENGINE COMPARTMENT

R.P.O. C64

⚠ 75-95 LBS IN.



CHEVROLET MOTOR DIVISION, GM Corp.				U.P.C.	DATE	SYN.	REVISION RECORD	AUTH.	DR.	CL.
SPARE TIRE STOWAGE				P45						
10000					2.					
DWG PREL. 3-71	EL	REF: Prel. 2	L-65004	L-73201						
DATE REL. 5-20		L-	L-	L-						
				ⓧ SHEET						

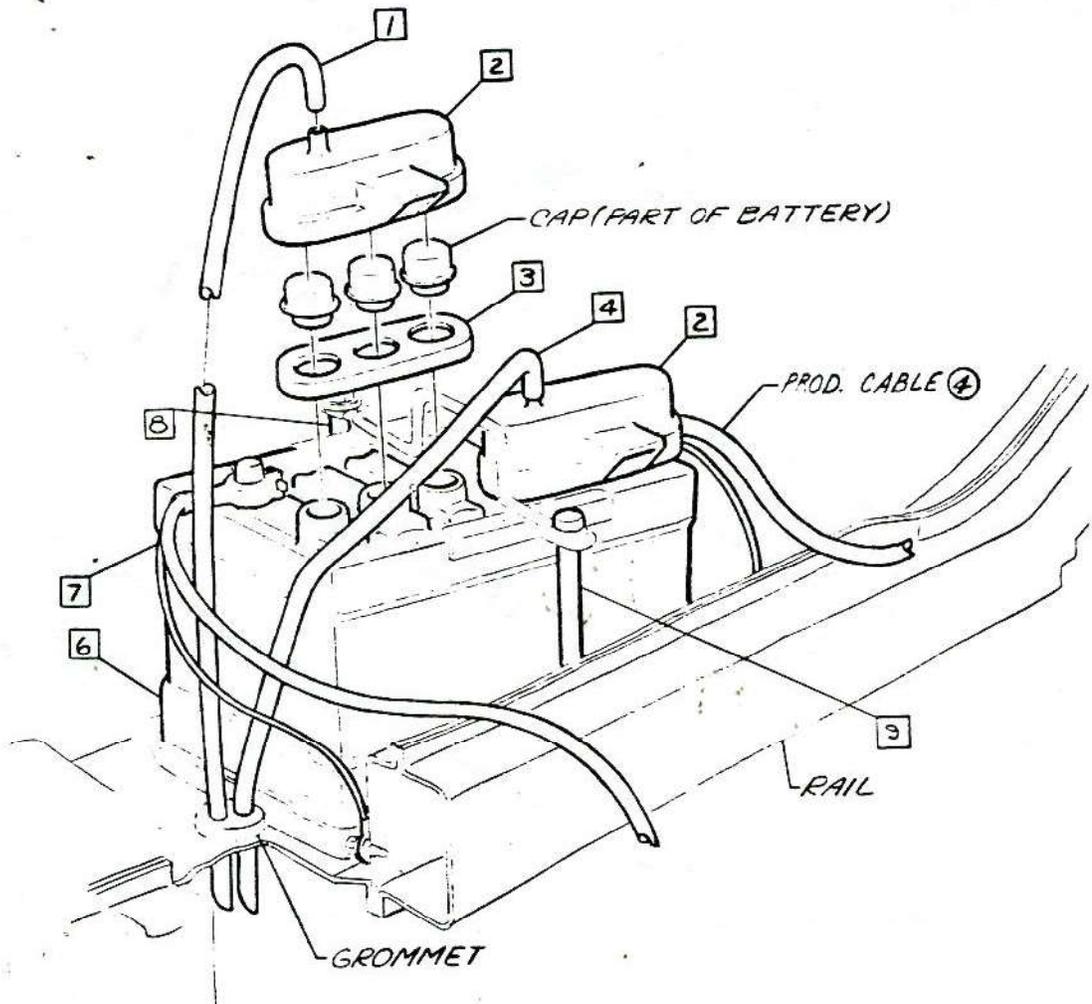


CHEVROLET

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 W/O REF: Prel. / L-75144 L-				SHEET <input checked="" type="checkbox"/>						
DATE REL. 3-27 L- L- L-										

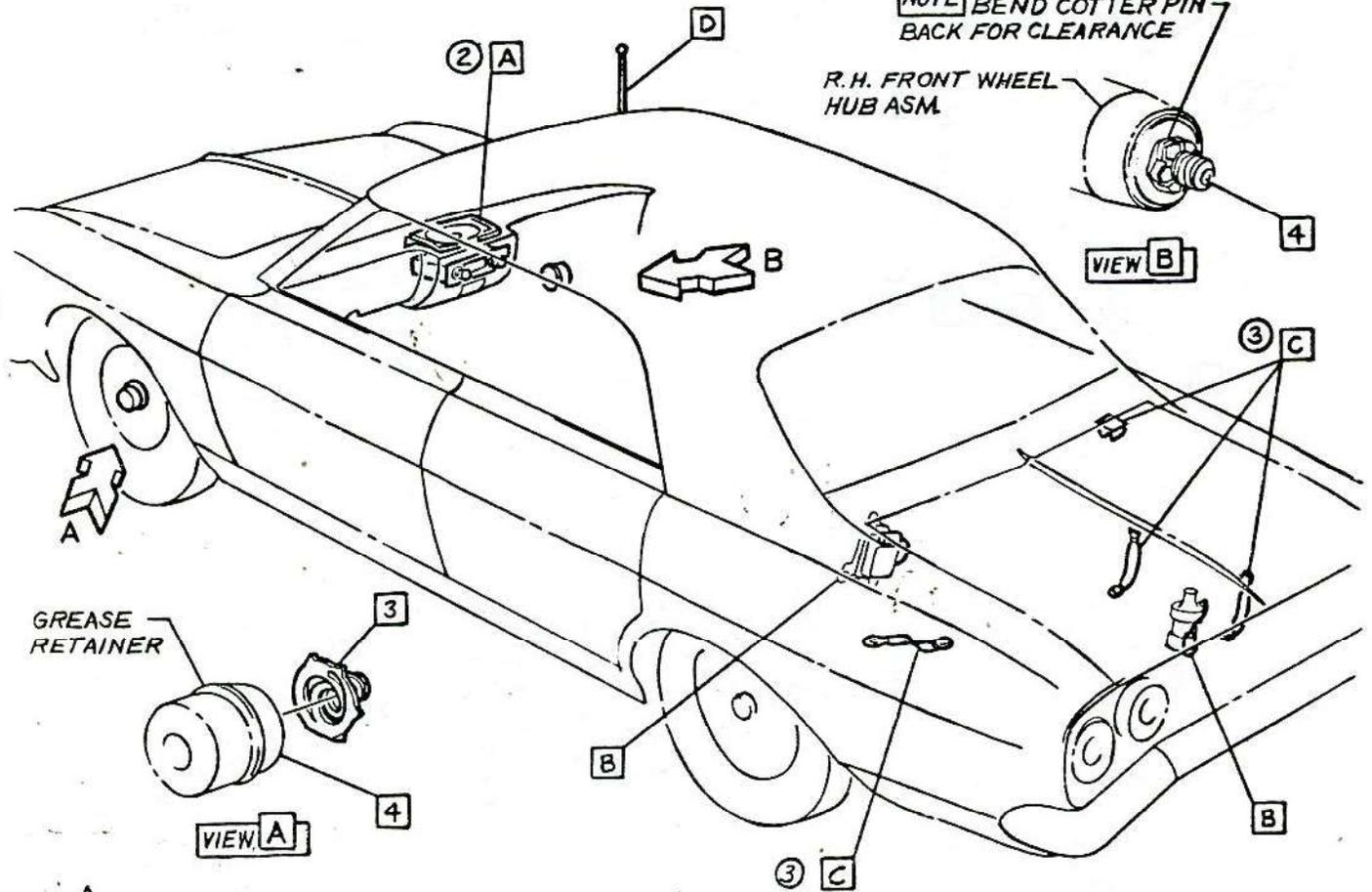


SHEET	TITLE	SHEET	TITLE
A1.	CONTENTS	D	FRONT ANTENNA
A	A2. RECEIVER & SPEAKER		
	A3.		
B	A4. CAPACITORS		
C	A5. GROUND STRAPS & CLIP		

- 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	WM	
				2	WAS SYMBOL C	64798		
				3	WAS SYMBOL A (2 PLACES)			
10000		A1.						
DWG PREL 4-16-64	WM	REF: Prel. /	L-72227L-					
DATE 4-16-64		L-	L-					



CHEVROLET

ASSEMBLY INSTRUCTIONS

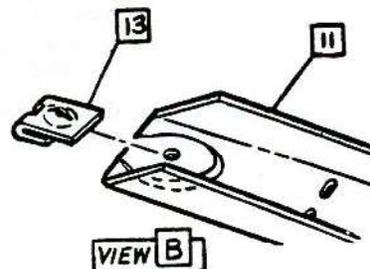
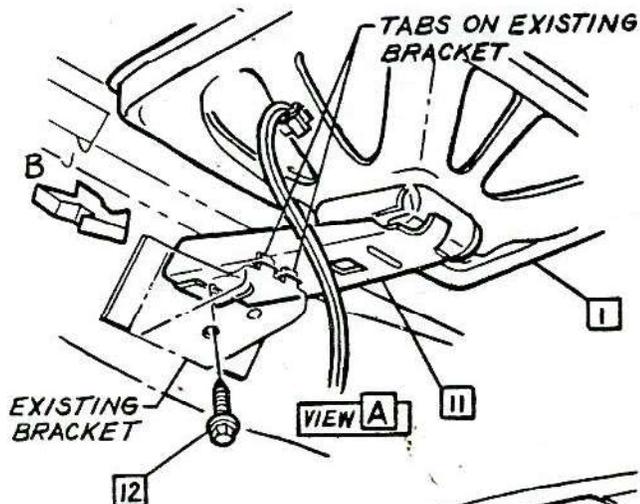
3862100

CORVAIR 10000 SERIES

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

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)

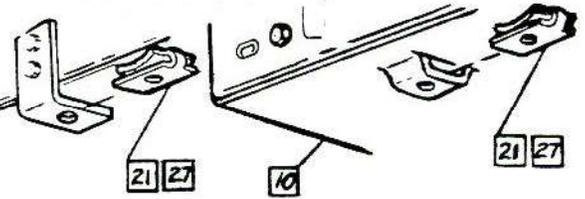
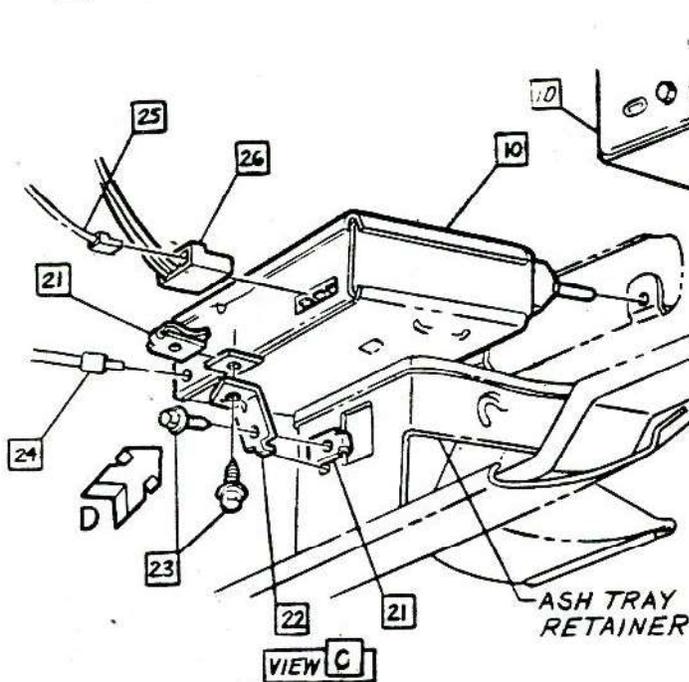
FRONT ANTENNA CABLE ASM.

▲ 45-60 LBS. IN.
▲ 10-15 LBS. IN.
▲

CHEVROLET MOTOR DIVISION, GMC				UPC	DATE	SYM	REVISION RECORD	AUTH.	DR.	CK.	
RADIO RECEIVER & SPEAKER				U60 U63-U69 REF. A3. A2.	9-3-64	1	WAS 3860189 NUT	65065	GB	DF	
10000											
DWG PREL. 4-9 WM REF: Prel. A3 L-72227 L-											
DATE 4-9-64 L- L- L-				X SHEET							

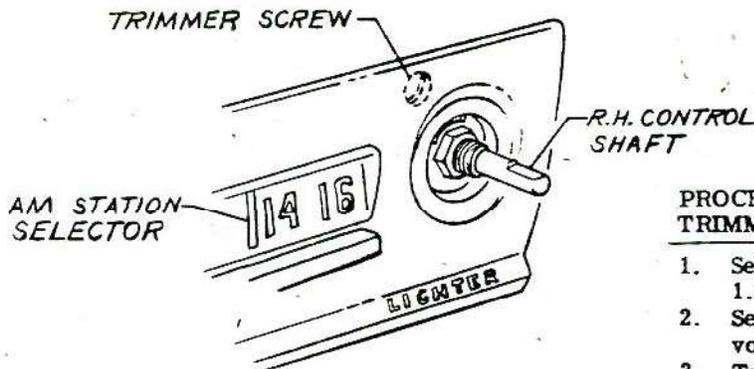
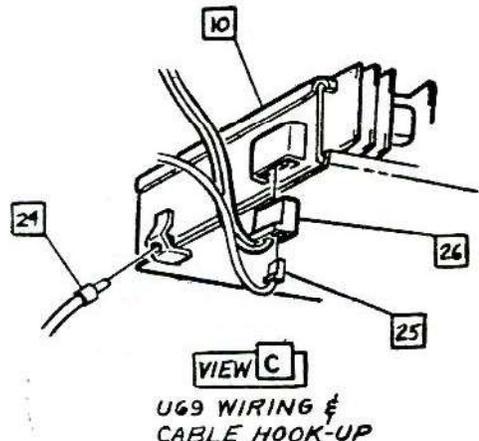
- 21 9420153 "U" NUT
- 22 3860554 BRACKET
- ① 23 9420415 SCREW
- 24 Antenna cable lead-in

- 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 ①
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			HR
DWG PREL 4-13	WM	REF: Prel. A4	L-72227-L-							
DAT: 4-13-64		L-	L-							
				SHEET						



CHEVROLET

ASSEMBLY INSTRUCTIONS

3862100 CORVAIR 10000 SERIES

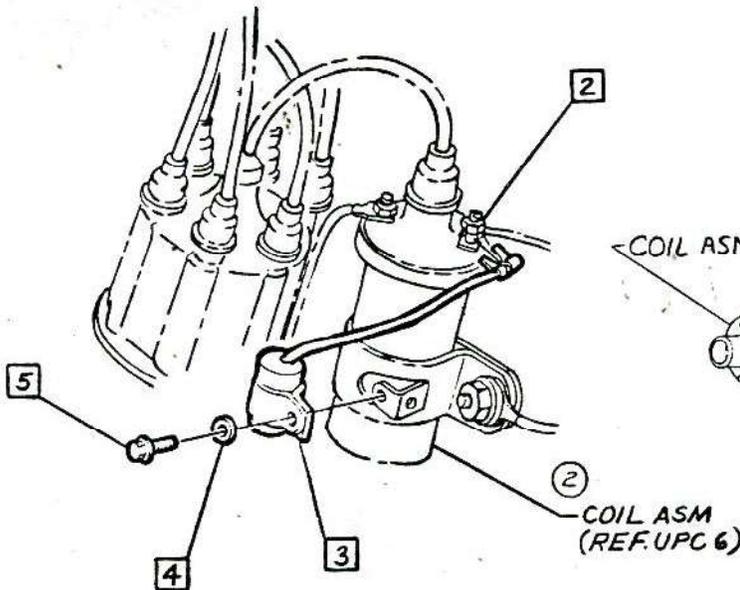
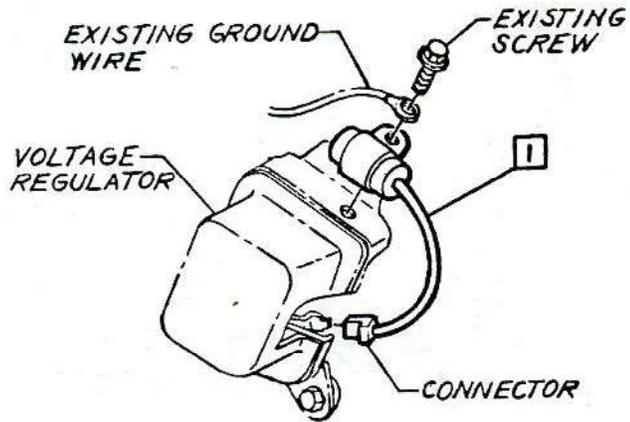
1 1964086 CAPACITOR ASM

2 9412180 SCREW

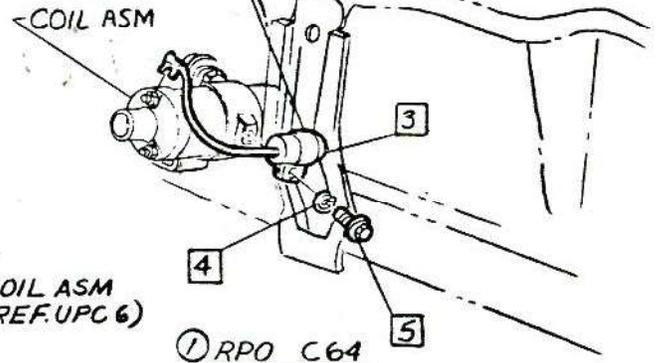
1 Nut-positive (+) post-loosen nut & allow terminals to be positioned between nut & clip.

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			ADDED			
		A4.			COIL DWG REVISED			CI
10000								
DWG PREL 3-26-64 WM REF: Prel. A2 L-72227L-								
DATE 3-26-64 L- L- L-								
		☒ SHEET						



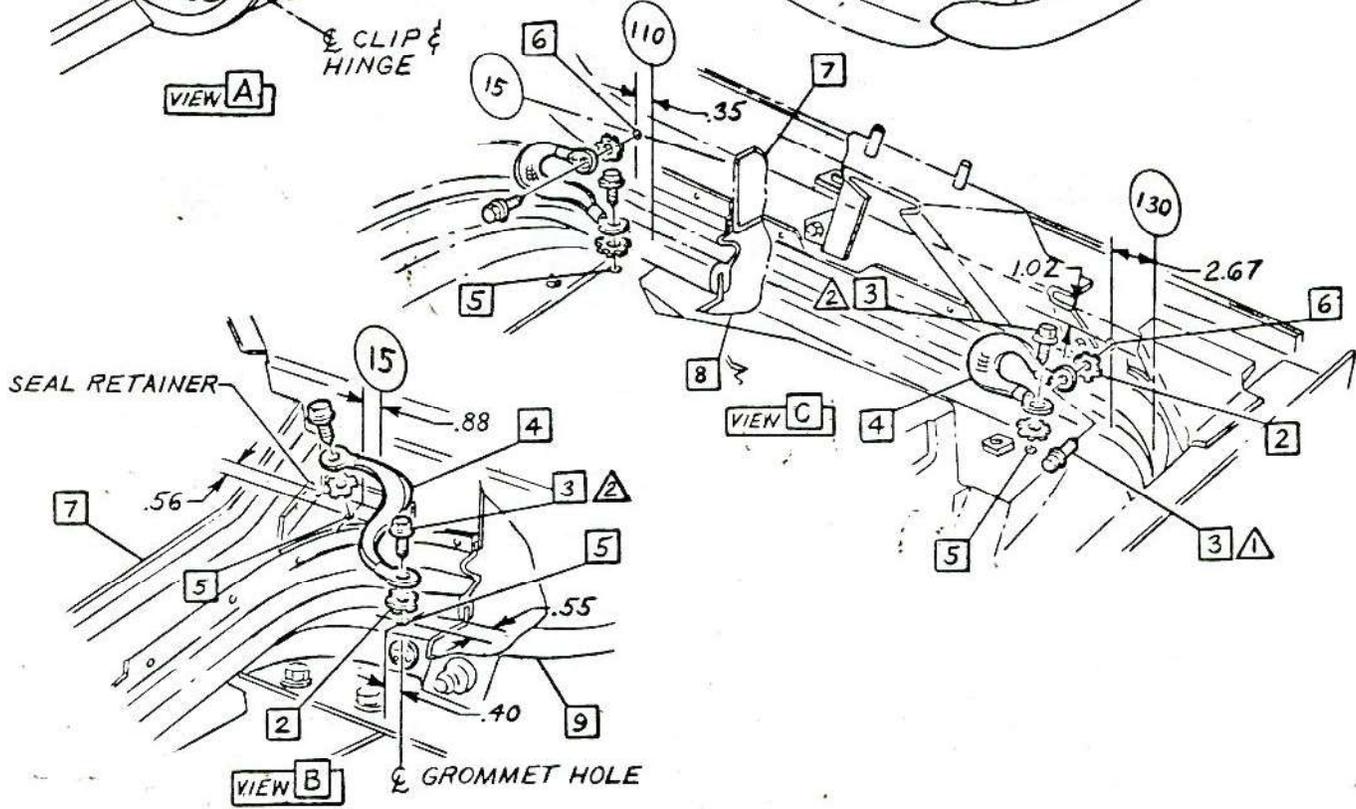
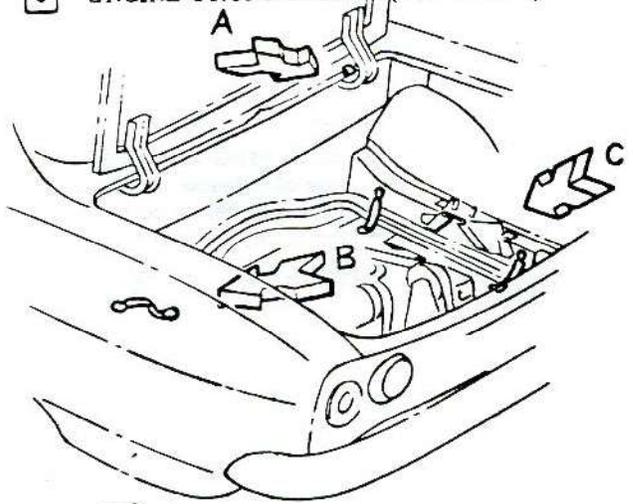
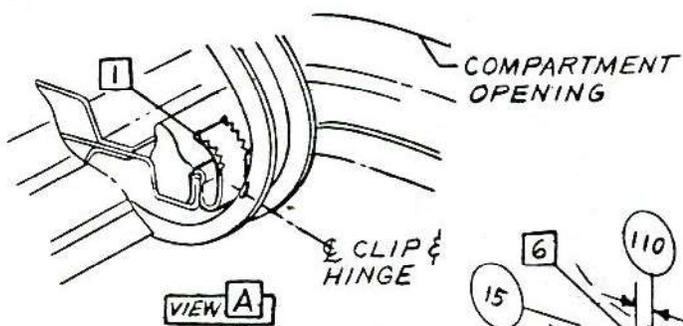
1 2 3 4 5 6 7 8 9

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		JL	CI
			DWG PREL 2-19-64 WM REF: Prel. A1 L-74776 L- DATE 2-19-64 L- L- L-		SHEET X			



6 0 6 7 0 0 6 0

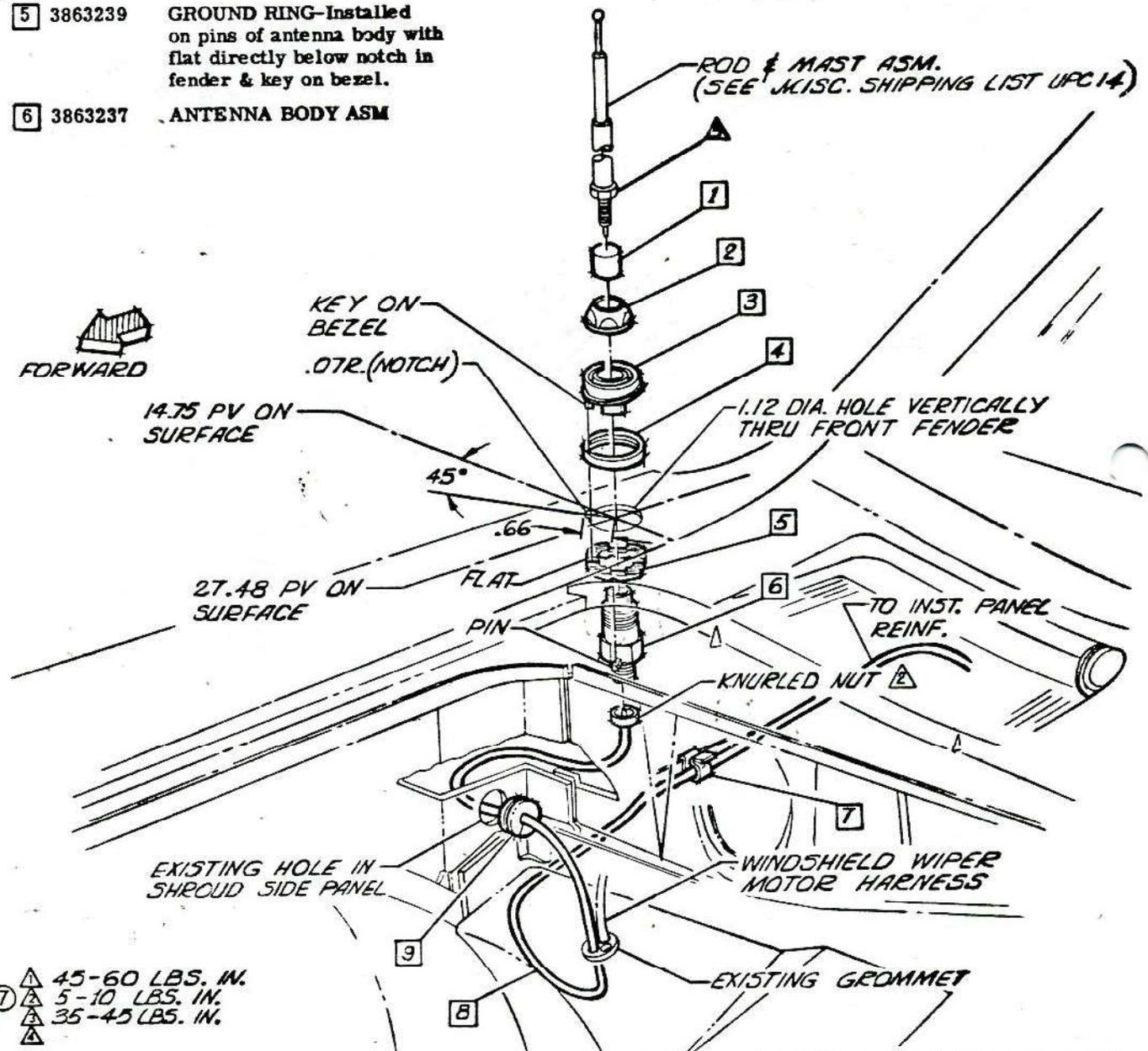
ASSEMBLY INSTRUCTIONS

3862100 CORVAIR 10000 SERIE

- 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

(U) (S)



- ① 45-60 LBS. IN.
- ② 5-10 LBS. IN.
- ③ 35-45 LBS. IN.

* CHEVROLET MOTOR DIVISION, GMC *		UPC	DATE	SYM.	REVISION RECORD	AUTH.	DR	CK
RADIO-FRONT ANTENNA		U60 U63-U69	8-14-64	7	TORQUE (2) WAS 16-20 OZ. IN.	52850ER		
10000			10-22-64	8	ITEM 10 ADDED	65582 HM DF		
DWG PREL. 4-6 HM. REF: Prel. B2 L-72691 L-		B1.	12-7-64	9	TORQUE (3) ADDED	66841 HM HB		
DATE REC. 4-6			12-7-64	10	WAS 3863252 GASKET	67044 BR C1		
		SHEET X	2-11-65	11	9980607 CEMENT REMOVED	15961 MB C1		

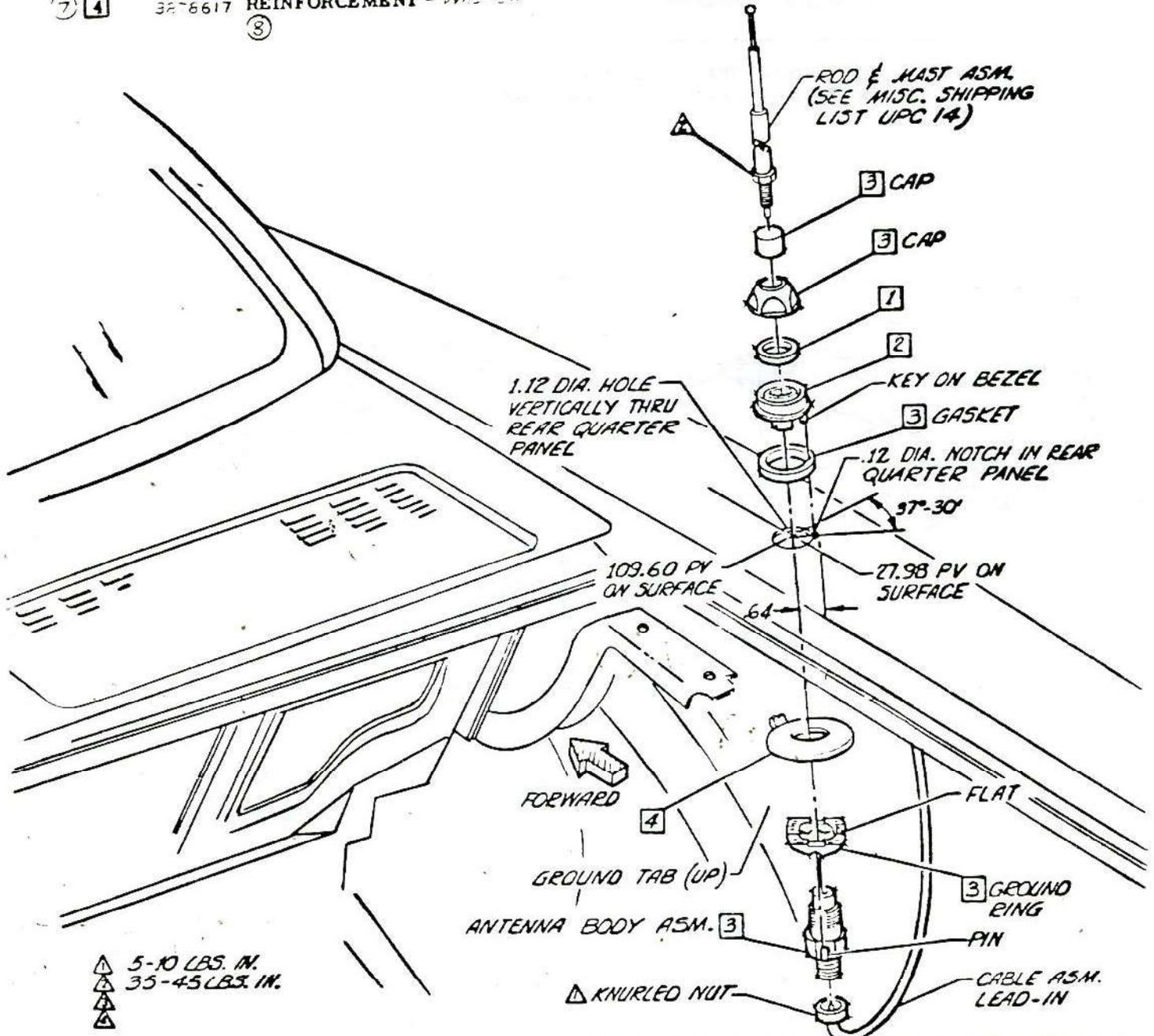


ASSEMBLY INSTRUCTIONS

3862100 CORVAIR 10000 SERIES

The following parts are released by Chevrolet & installed by Fisher Body
 3863641 CABLE ASM. LEAD-IN

- ① 3138635 GASKET
- ② 3863640 BEZEL
- ③ Part the same as & installed the same as U60
- ④ 3878617 REINFORCEMENT - WASHER



• CHEVROLET MOTOR DIVISION, GMC •		UPC	DATE	SYM	REVISION RECORD	AUTH	DR	CR
MANUAL ANTENNA EQUIPMENT - REAR		U73	11-19-65		DRAWING REVISED			
10000			8		REINF. NOTE REMOVED			
DWG PREP. 4-D.H.M. REF. Prod. 1 L-73442L		1.						
DATE REL. 4-42		1 SHEET						



CHEVROLET

ASSEMBLY INSTRUCTION

3862100

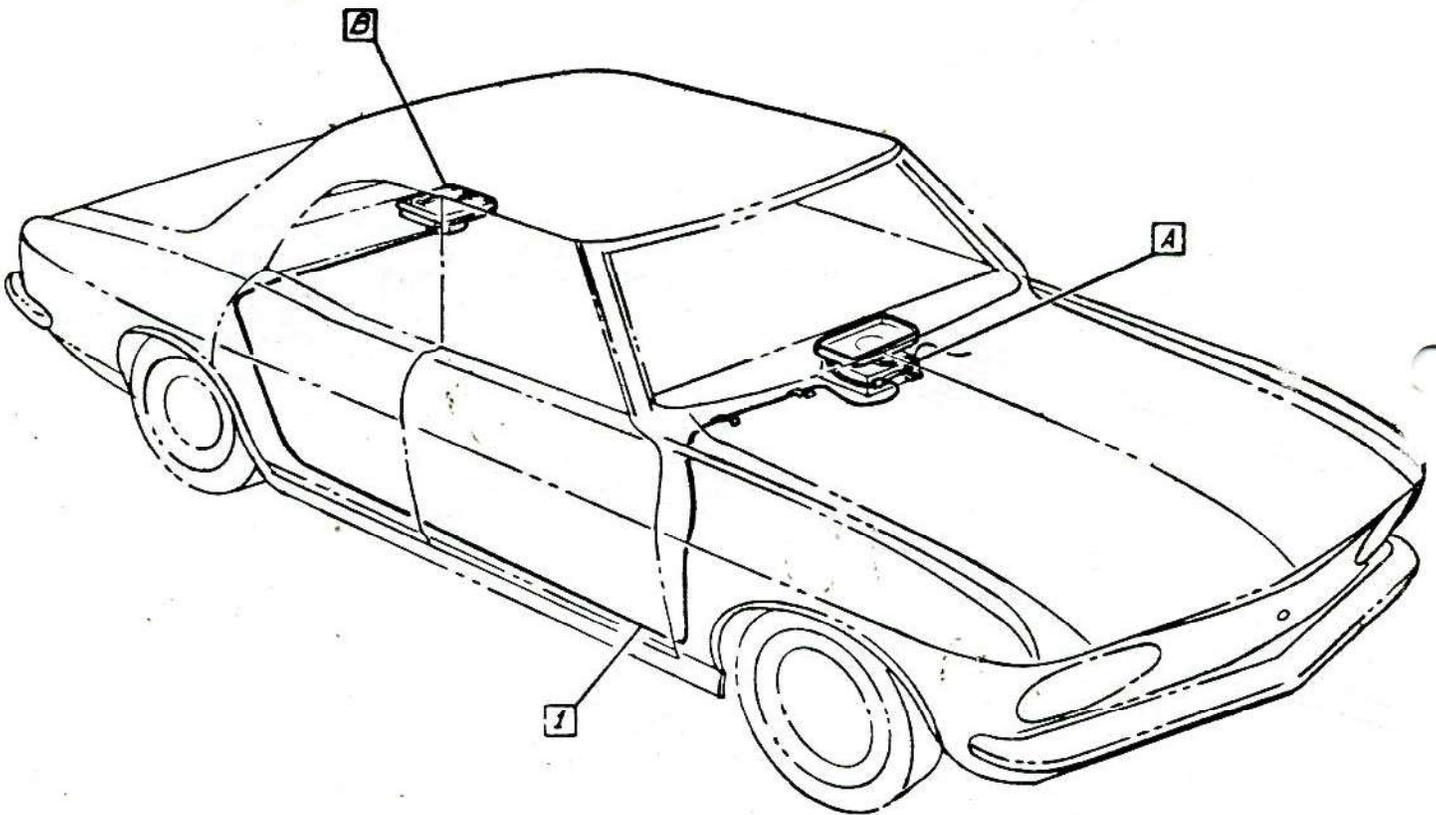
CORVAIR 10000 SER

SHEET

TITLE

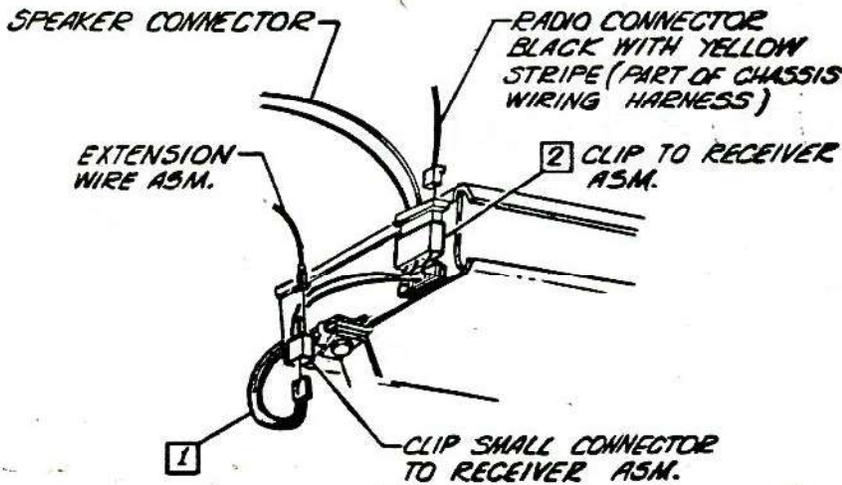
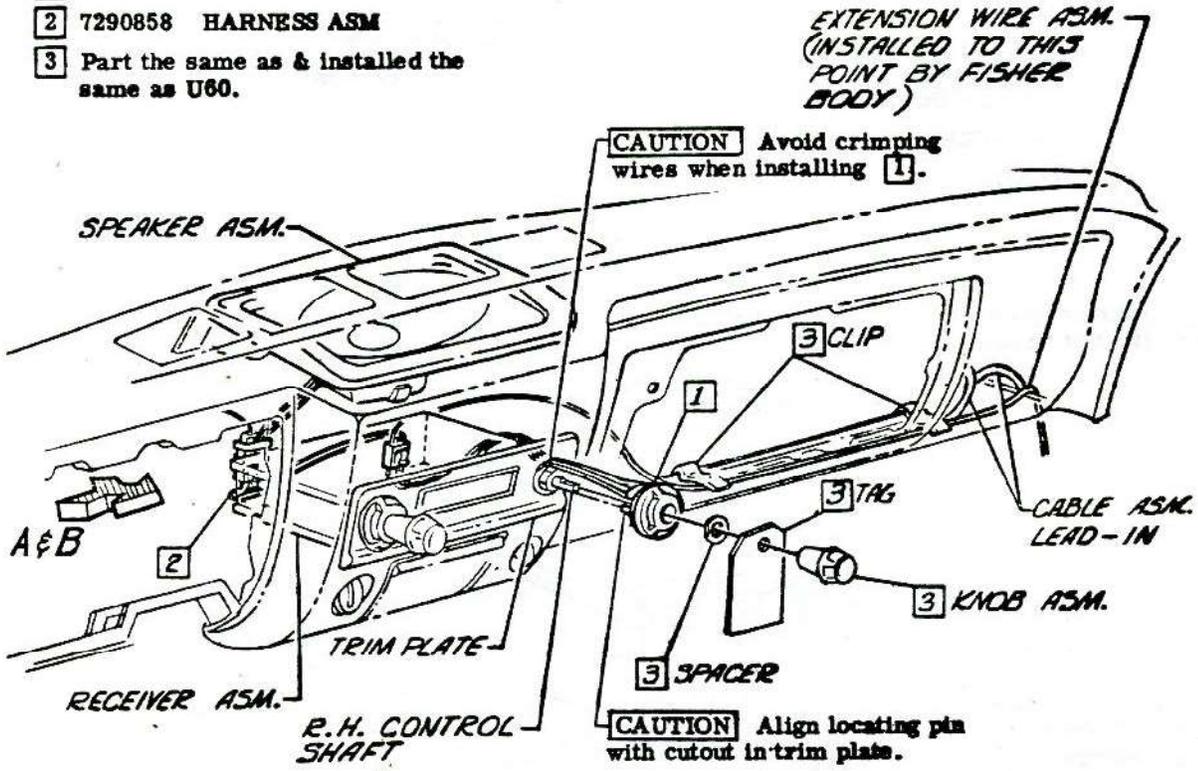
- 1. CONTENTS
- A** 2. SPEAKER WIRING & CONTROLS
- B** 3. AUXILIARY SPEAKER

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

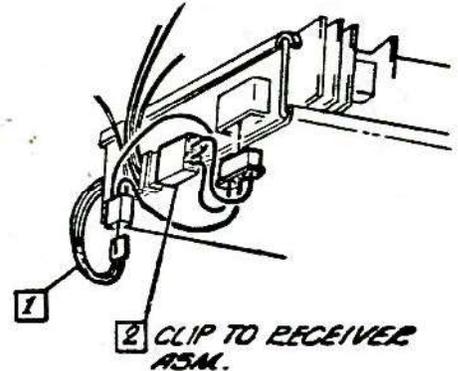


CHEVROLET MOTOR DIVISION, GMAC				UPC	DATE	SYN	REVISION RECORD	AUTH.	DE	CK
AUXILIARY SPEAKER EQUIP. - CONTENTS				U80						
10000 (EXC. CONV.)					1.					
DWG PREL. 4-9	H.M.	REF: Prod. 1	L-73473							
DATE REL. 4-9		L-	L-							
				SHEET						

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



VIEW A
(U60-U63 HARNESS ASM. ROUTING)



VIEW B
(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-	L-	L-			
DATE REL. 5-13								
		<input checked="" type="checkbox"/> SHEET						



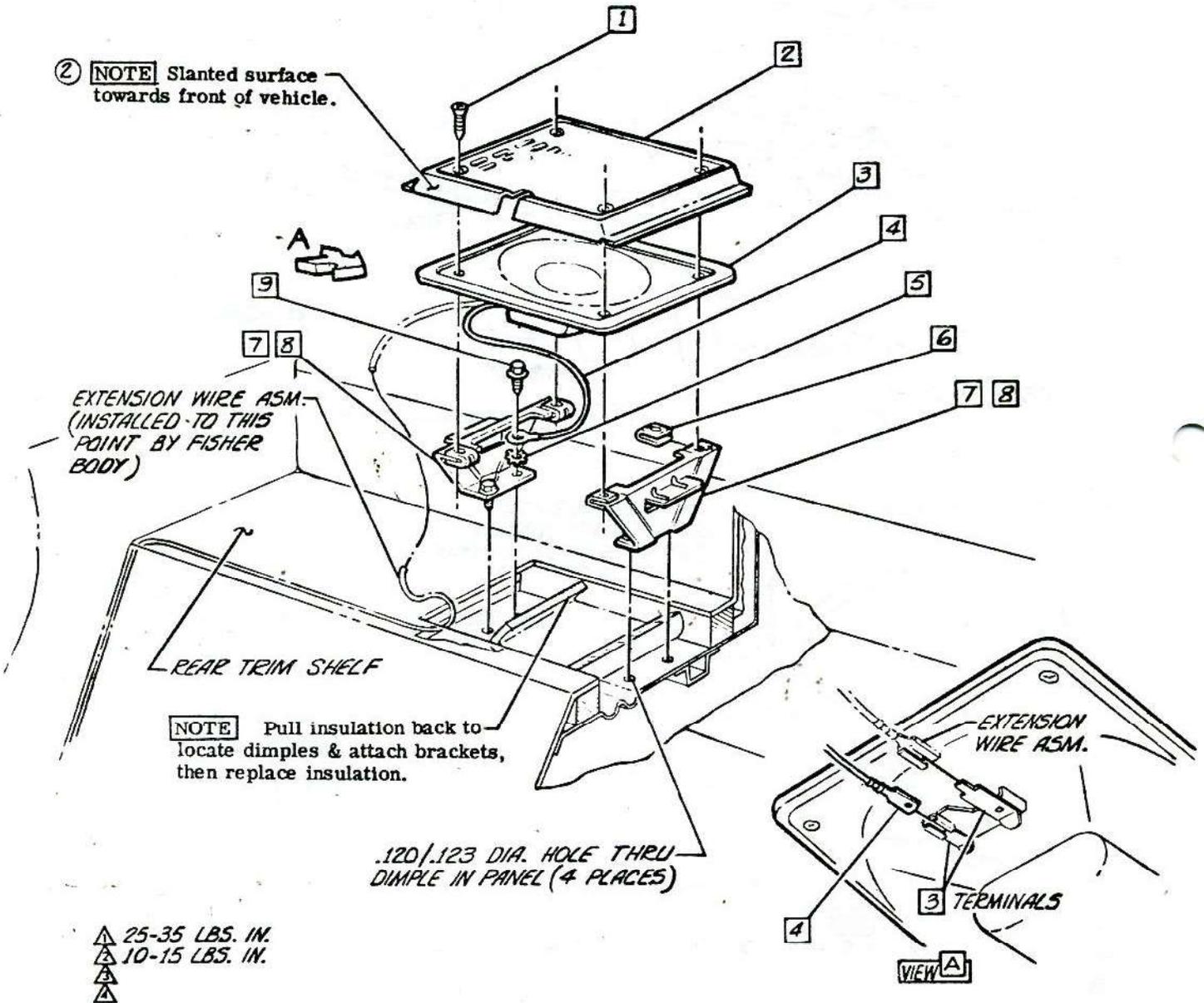
GENERAL PROJECT

ASSEMBLY INSTRUCTIONS

3862100 CORVAIR 10000 SERIES

- ⚠ 1 9414765 SCREW
- ① 2 3873717 GRILLE
- 3 7290951 SPEAKER ASM
- 4 7283416 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)

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.
- ⚠
- ⚠

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 & DWG. REVISED	66610	NH	
10000 (EXC. CONV.)					2	INSTALLATION NOTE ADDED		
DWG PREL. 4-24 H.M. REF: Prel. 3 L-73473 L- DATE REL. 4-24 L- L- L-		3.						
		SHEET X						

+



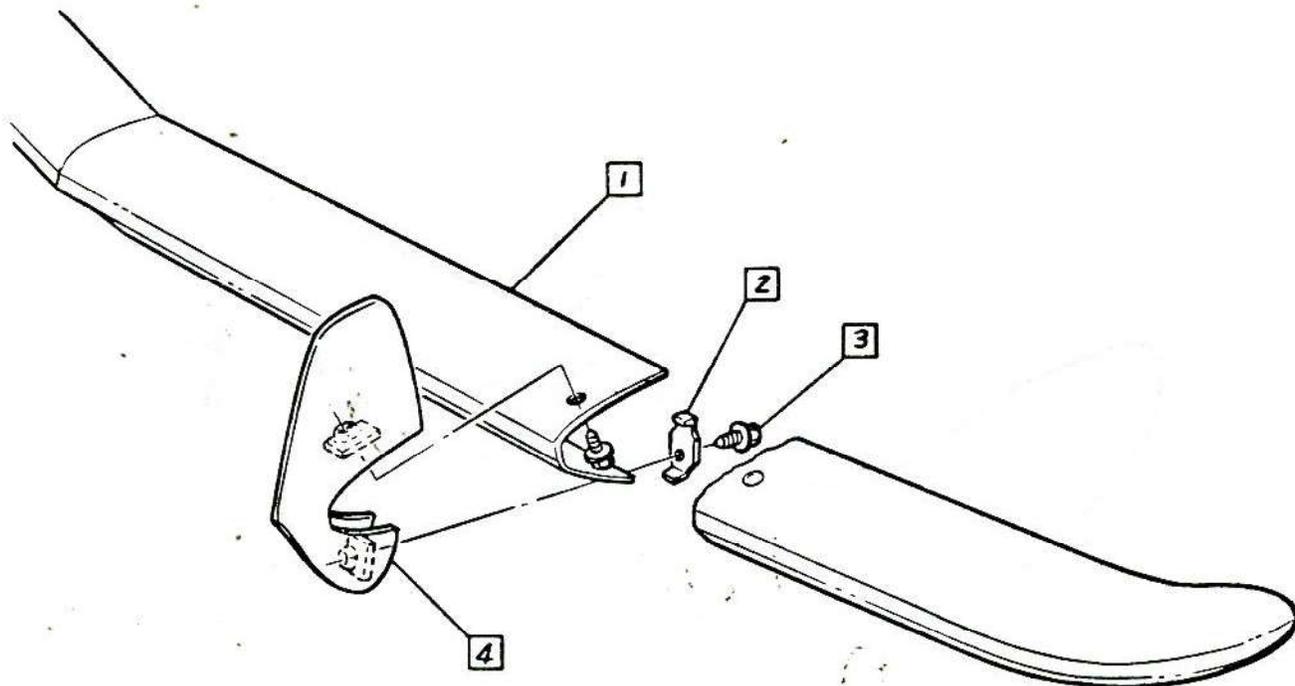
CHEVROLET

ASSEMBLY INSTRUCTIONS

3862100

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	CS	REF: Prod. 1	L-74602	L-				
DATE REL 4-7	SA	L-	L-	L-				
		SHEET X						

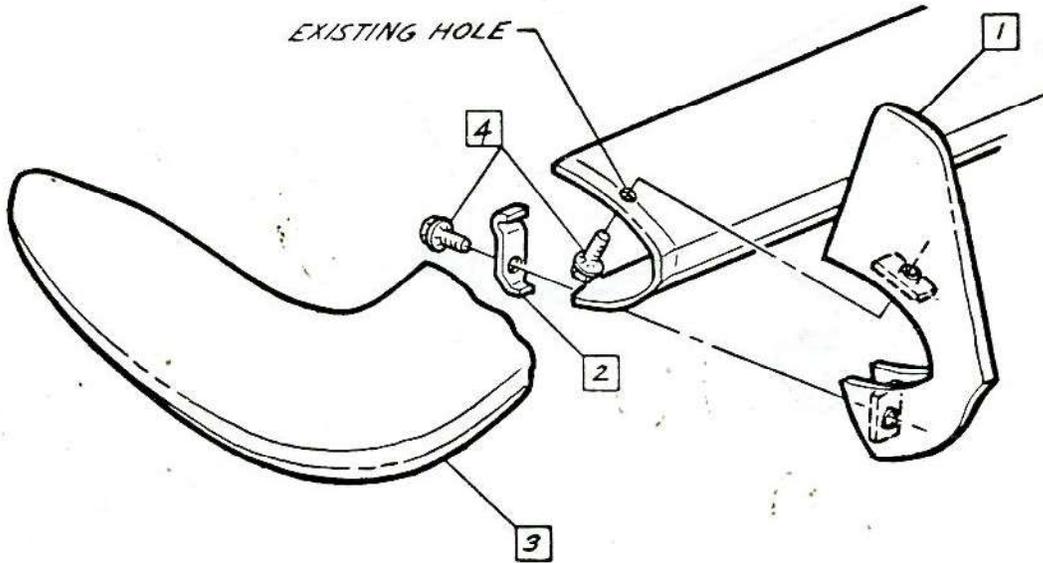


CHEVROLET

ASSEMBLY INSTRUCTIONS

3862100 CORVAIR 10000 SERIES

- 1 3861859-60 GUARD ASM. L. & R.H.
- 2 3861862 CLAMP
- 3 3863989 BAR
- 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	K.C.	REF: Prel. 1	L- 650/2 L-							
DATE REL. 2-20		L-	L- L-	SHEET 1						



GENERAL MOTORS

T

ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIE'

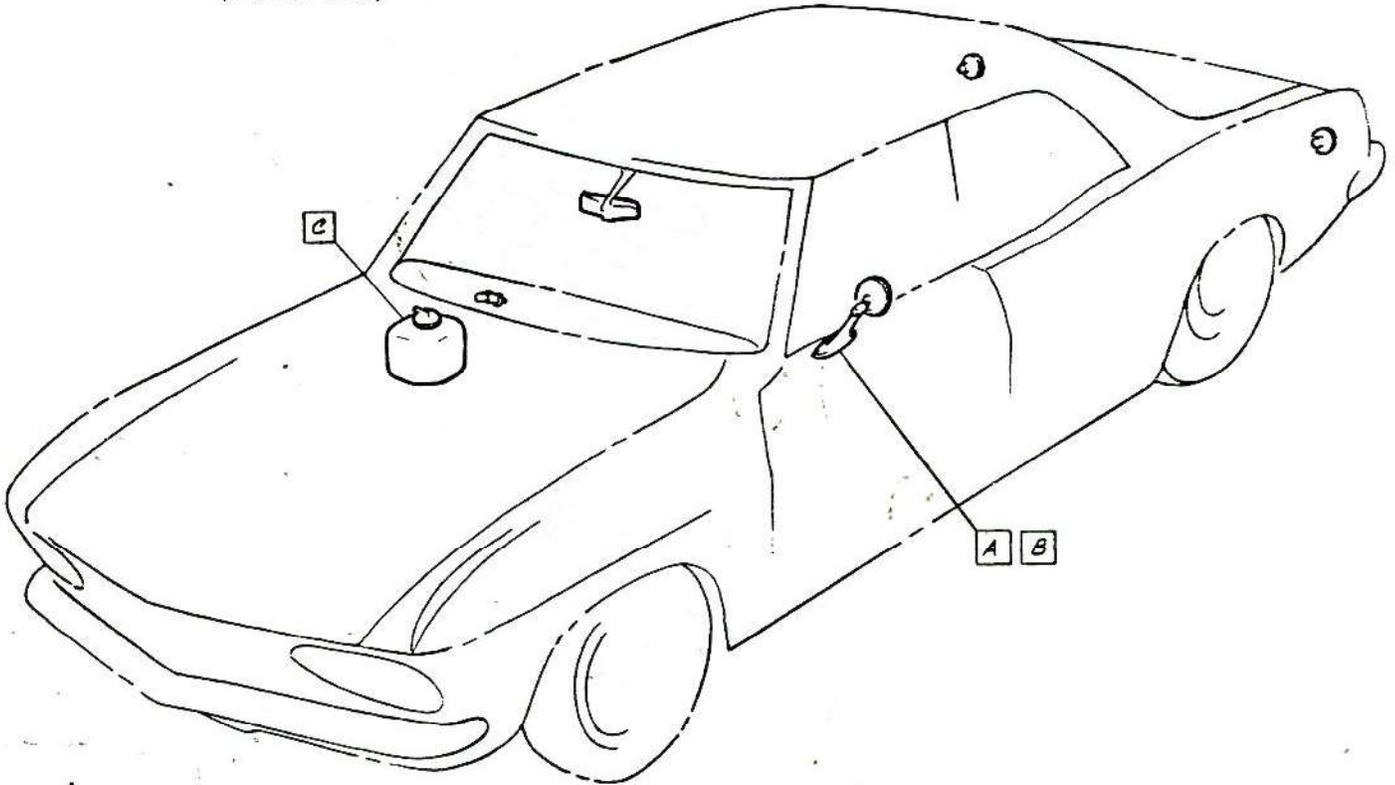
SHEET

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

D The following parts install the same as regular production

- 910597 **①** BACKING LAMP (SEE UPC 12)
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	
COMFORT & CONVENIENCE-CONTENTS				Z01 Z13	7-6-64	1	UPC REF ALLEL	44758A-22			
					7-30-64	E	2989368 WAS 2988034	455.6	1061		
10000				1.							
DWG. REL. 3-13	KC	REF: Prel. 0	L-		L-						
DATE REL. 3-13		L-	L-	L-							
				SHEET							



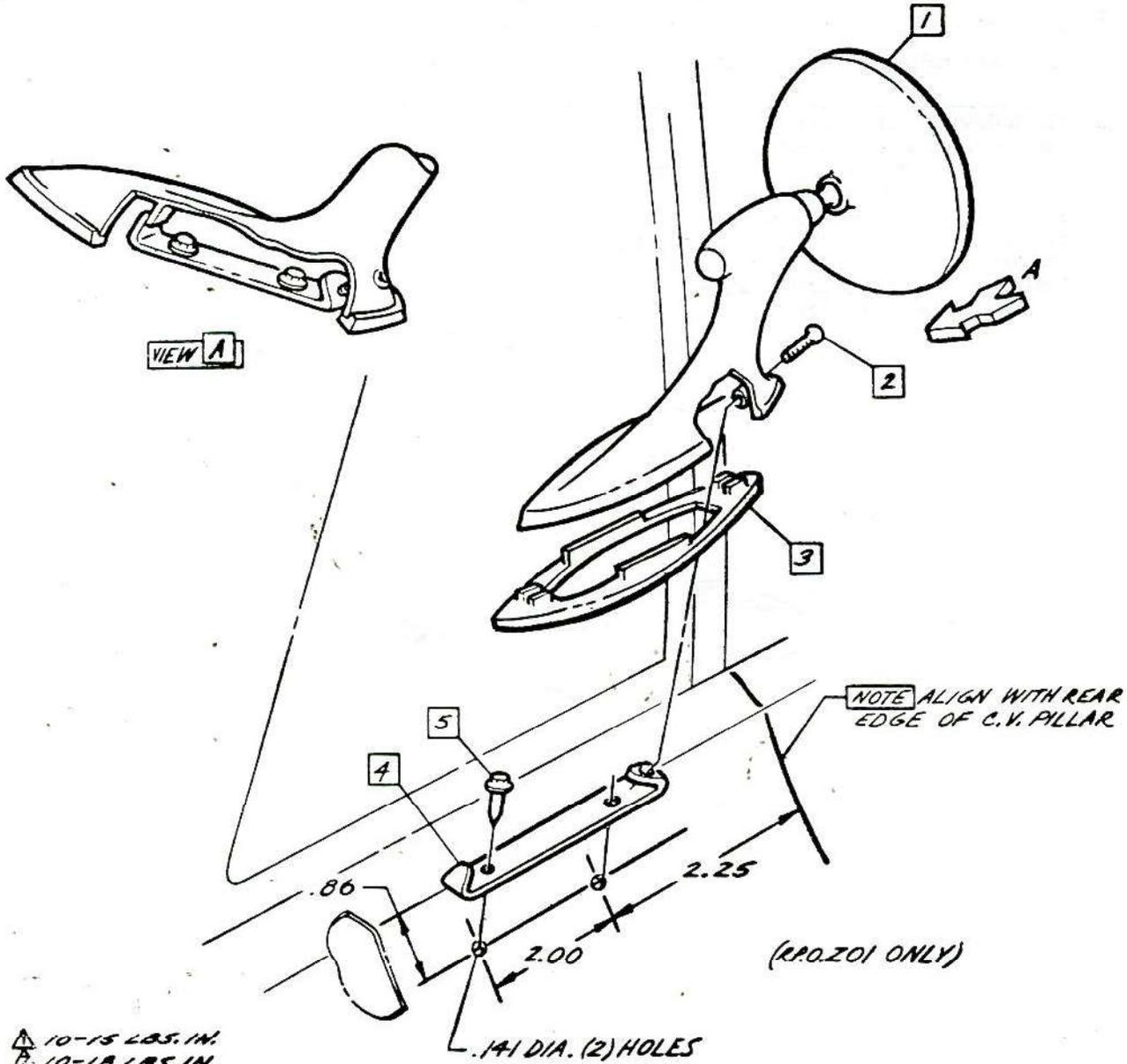
CHEVROLET

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				☒ SHEET 1					
KC REF: Prod. 5		L-72764 L-							
L-		L-							



CHEVROLET

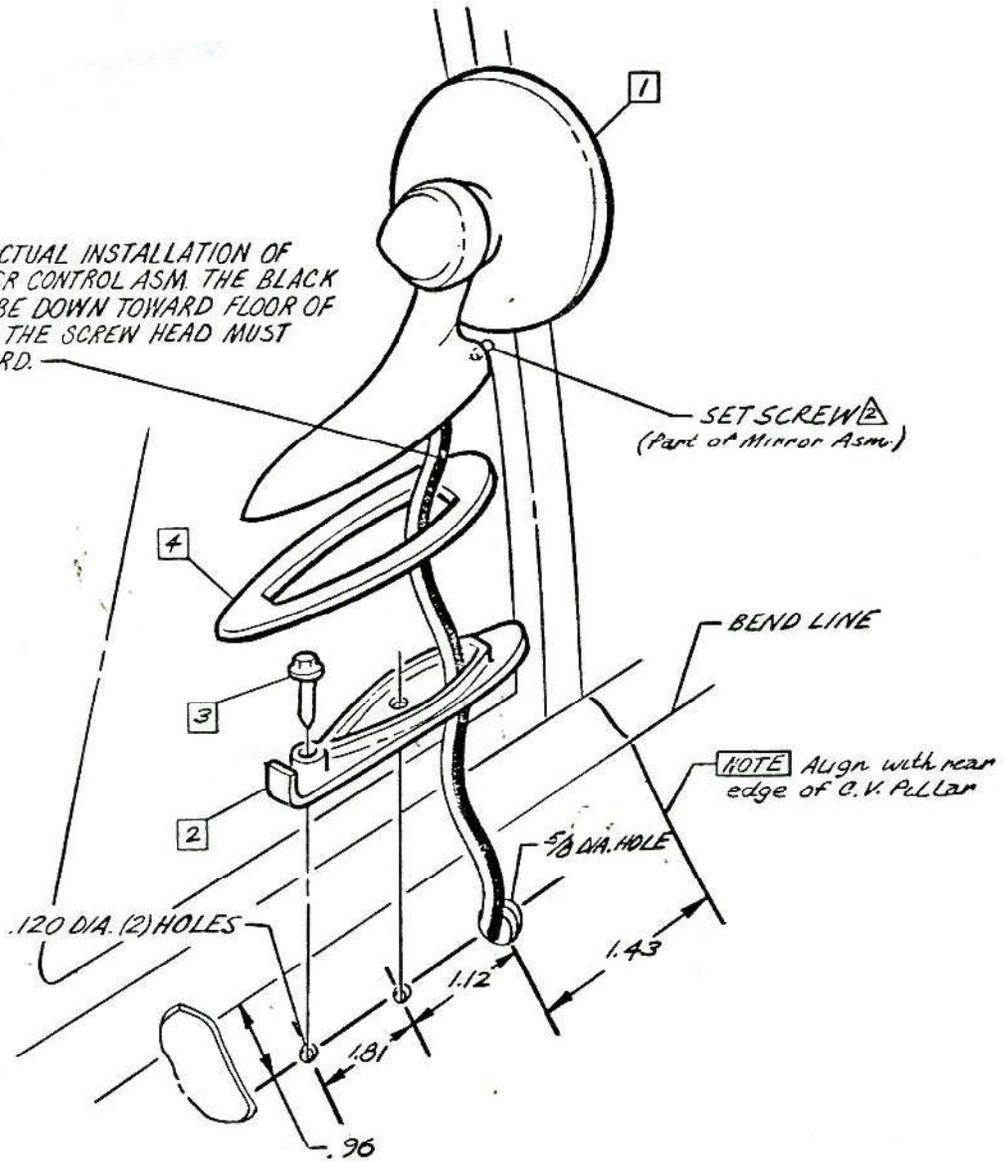
ASSEMBLY INSTRUCTIONS

3862100 CORVAIR 10000 SERIES

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



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	GA735	KC	DP
					12-14-68	2	INSTALLATION NOTE ADDED	68144	EE	C1
10000				3.						
DWG AREL. 3-5	KC	REF: Prel. 3	L-73643		L-					
DATE REL. 4-15		L-	L-	L-						
				SHEET						



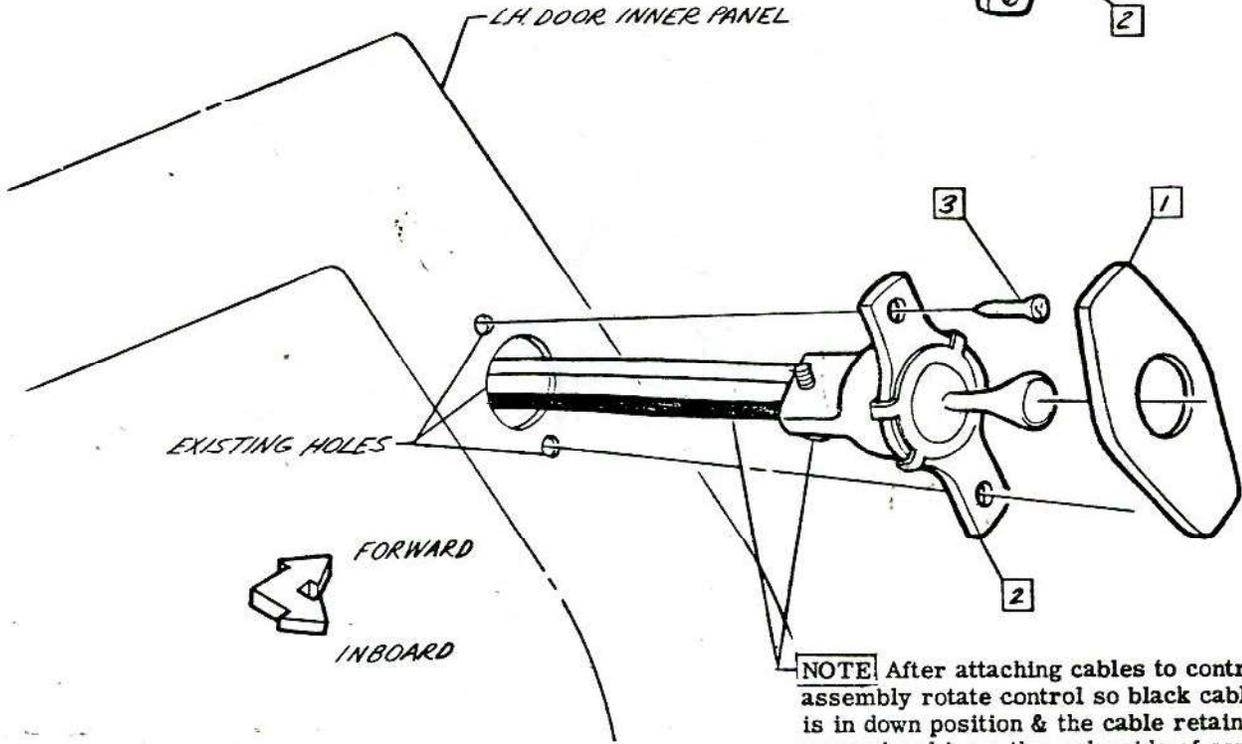
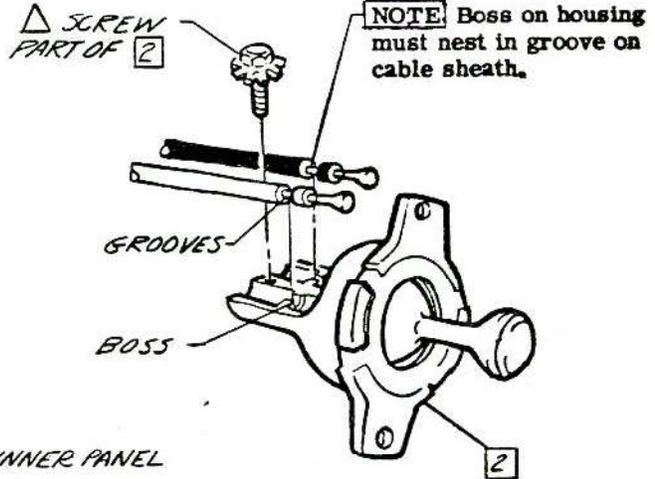
CHEVROLET

ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

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



⚠ 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	10-26-64	2	REDRAWN & REDESIGNED	6772	JC	CI
10000				Z13						
DWG AREL. 3-5				4.						
DATE REL. 4-2				⊗ SHEET						
REF: Prel. 4										
L-73643										
L-										
L-										

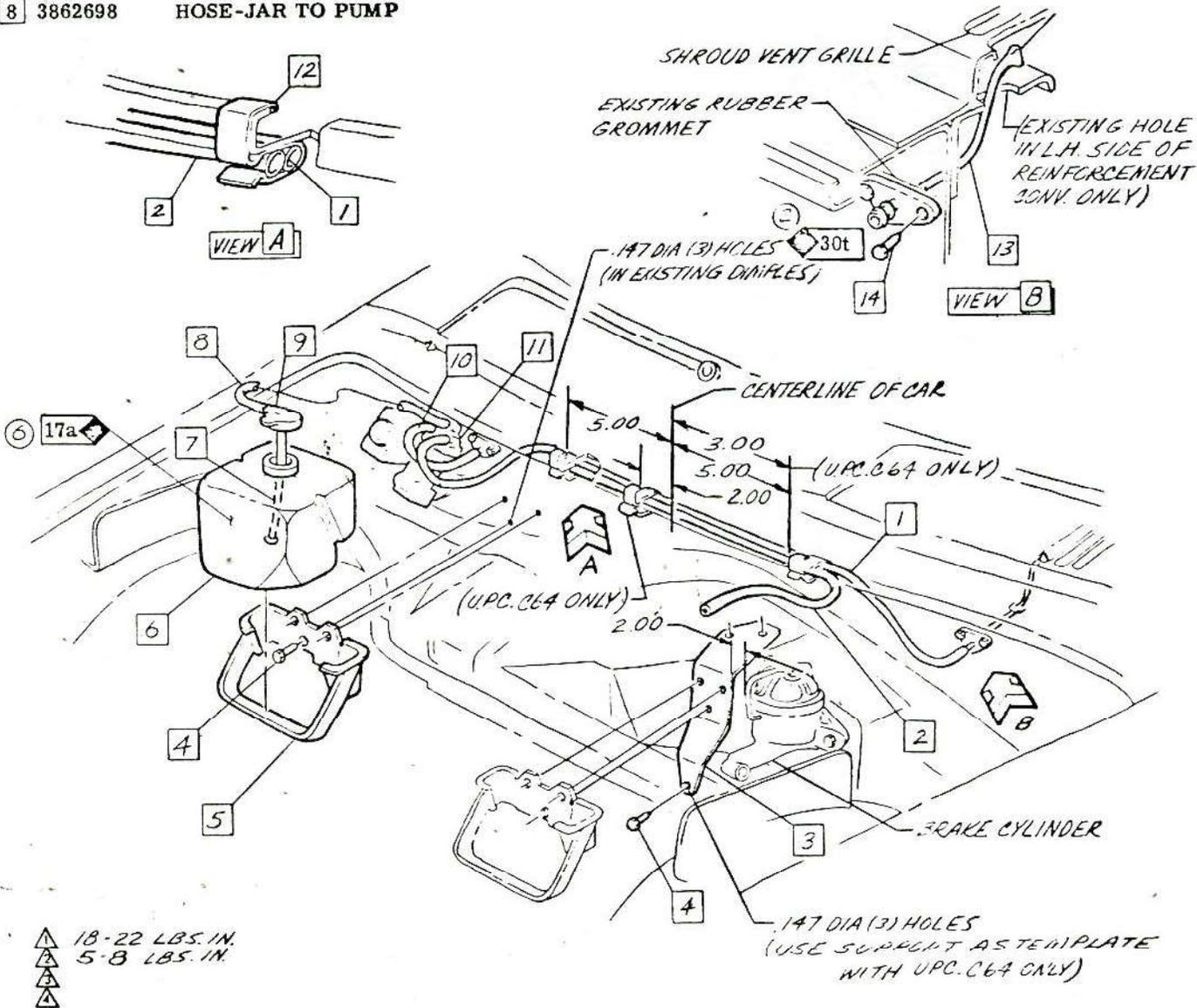


ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

- | | | | | | |
|-----|---------|--------------------------------------|------|---------|--------------------------|
| 1 | 3792232 | HOSE-PUMP TO NOZZLE L.H. | 9 | 3798372 | CAP |
| 2 | 3774879 | HOSE-PUMP TO JAR (R. P. O. C64 ONLY) | 10 | 3771740 | HOSE-PUMP TO NOZZLE R.H. |
| 3 | 3858767 | SUPPORT (R. P. O. C64 ONLY) | 11 | 5045462 | MOTOR & PUMP ASM |
| ⚠ 4 | 451790 | SCREW ④ | 12 | 3820204 | CLIP |
| Ⓞ 5 | 548935 | BRACKET ASM | 13 | 3858768 | NOZZLE ASM |
| 6 | 3840083 | JAR | ⚠ 14 | 9416231 | SCREW |
| 7 | 3772059 | HOSE & FILTER ASM | ⑤ | | |
| 8 | 3862698 | HOSE-JAR TO PUMP | | | |



⚠ 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 Z13.	7-2-64		MAS ATTACHED JACKET NO.			
10000			10-23-64	3		MAS FOR SHARPENED		
DWG REL. 2-15-65		5.	1-28-65	4	FOR C64 ONLY R.M.D. VAPOR			
DATE REL. 5-6			2-18-65	5	FOR DATA 3858768			
REF: Prel. 1					SOLVENT REMOVED			
L-72237L					FOR SYM ADDED			
L- L- L-		SHEET						



PHOTO

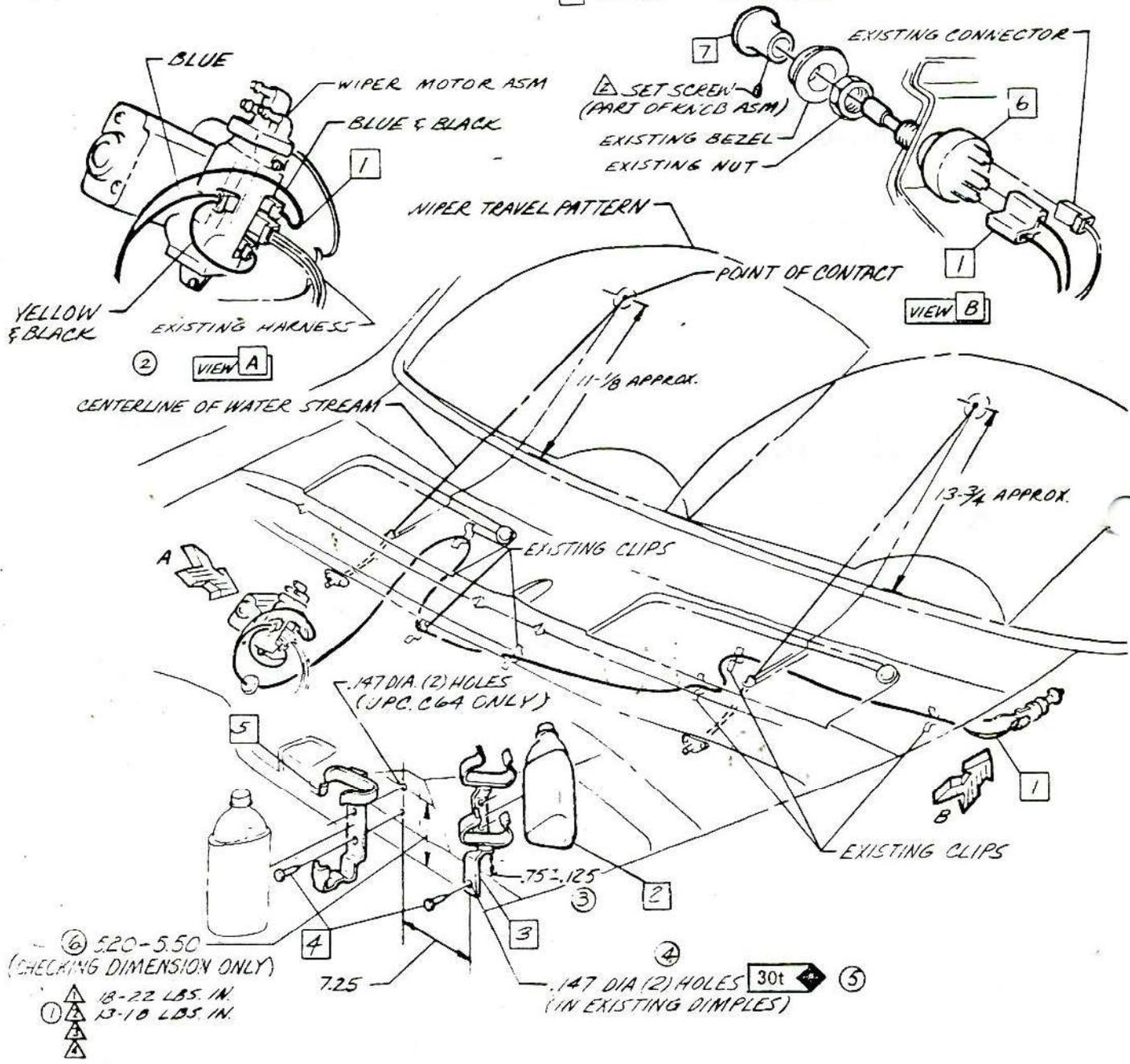
ASSEMBLY INSTRUCTIONS

3862100

CORVAIR 10000 SERIES

- 1 2988066 WIRE ASM.
- 2 3789848 ANTI-FREEZE & JAR ASM.
- 3 3864244 BRACKET ASM.
- 4 9417226 SCREW

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



⑥ 520-5.50
(CHECKING DIMENSION ONLY)

① ▲ 18-22 LBS. IN.
▲ 13-10 LBS. IN.
▲

• CHEVROLET MOTOR DIVISION, GMC •				UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
COMFORT & CONVENIENCE; W/S WASHER WIRE ASM., ANTI-FREEZE & JAR				Z01 Z13	7-17-64	1	TORQUE (2) ADDED	64772	KC	OP
					3-4-64	2	VIEW A REVISED	45857	KC	DF
10000				6.	3-30-64	3	DIM. ADDED	67716	JC	
						4	WAS (3) HOLES	66597		
DWG PREL. 2-17 DATE REL. 2-17				SHEET		5	WAS 312 SYMBOL	67772	BR	CI
						6	DIM. ADDED			