BATTERY

ALL SERIES

CONTENTS

| DESCRIPTION AND OPERATION: | |
|--|--------------|
| General Information | 1A-1 |
| DIAGNOSIS: | 111 1 |
| Battery Test Procedure | 1A-1 |
| MAINTENANCE AND ADJUSTMENTS: | 111 1 |
| Care of Wet Batteries | 1A-3 |
| Care of Dry Charged Batteries | 1A-3 |
| Preparaing Dry Charged Batteries for Service | 1A-3 |
| Correcting Specific Gravity Temperature Readings Battery Recharging | 1A-3 |
| Battery Recharging | 1 A-3 |
| Periodic Battery Inspection and Service | 1A-5 |
| Fusible Links | 1A-6 |
| MAJOR REPAIR: | |
| SPECIFICATIONS: | |
| Battery Specifications | 1A-8 |

DESCRIPTION AND OPERATION GENERAL INFORMATION

New batteries with plastic cases will be phased into 1975 use. These batteries weigh about 10 percent less than those with the hard rubber case.

A plastic cased battery can be identified by a letter "P" following the code number. For example, the regular R87 code will be R87P for a plastic cased battery. There is however one slight variation when the Y87P or R87P is used in the Skyhawk. In this instance, a letter "T" follows the letter "P" thus making the codes read Y87PT and R87PT. The letter "T" indicates that in this application, a manifold type vent cap arrangement is required.

The maintenance free battery is an available option for all A-B-C and E Series cars.

The battery has three major functions; (1) It provides a source of energy for cranking the engine; (2) It acts as a stabilizer to the voltage in the electrical system; and (3) It can, for a limited time, provide energy when the demands of the electrical units in operation exceed the output of the generator.

In order for the battery to continue functioning, it is necessary that current output be balanced by current input

DIAGNOSIS STANDARD BATTERY 1EST PROCEDURE

Visual Inspection

from the generator so that a properly charged condition is maintained. If the output exceeds the input, the battery will become discharged and unable to supply sufficient energy.

Battery efficiency is greatly reduced by decreased electrolyte temperature, as it has a decided numbing effect on the electrochemical action. Under high discharge, such as cranking, battery voltage drops to lower values in cold temperatures than in warm temperatures and could ultimately contribute to battery freezing.

| SPECIFIC | FREEZING |
|----------|----------|
| GRAVITY | POINT |
| 1.220 | -35°F |
| 1.200 | -20°F |
| 1.160 | 0°F |

Water is the component of the battery which is lost as a result of charging and discharging, and it must be replaced (except in maintenance free batteries) before the electrolyte level lowers to the tops of the separators. If the water is not replaced and the plates become exposed, they may become permanently sulfated which would impair the performance of the plates. Also, the plates cannot take full part in the battery action unless they are completely covered by the electrolyte.

1. Cracked or broken case

1A-2 1975 BUICK SERVICE MANUALW. TeamBuick.com

| Electrolyte level below top of plates | 1. Add sufficient water to cover plates |
|---|---|
| | 2. Charge for 15 min. @ 15-25 amps with caps removed |
| | 3. Connect 300 amp load for 15 sec. and proceed to specific gravity test |
| ' Specific Gravity (Hydrometer) | |
| 1. With 50 points or more vari- ation between HIGH and LOW cell | 1. Replace battery |
| 2. Less than 50 points * CANNOT BE PERFORMED ON | 1. Proceed to load test MAINTENANCE FREE BATTERY |
| Load Test | |
| 1. If unable to obtain specific | 1. Charge if necessary |
| gravity of 1.200 | 2. Replace battery |
| 2. If specific gravity is 1.200 or more | 1. Remove vent caps, connect 300 amp load for 15 sec. |
| 3. If "SMOKE" appears in one or more cells during load | 1. Replace battery |
| 4. If "NO SMOKE" appears | 1. Apply specified load 350 Engine 180 Amp 455 Engine 210 Amp Sealed Battery 230 Amp |
| | 2. Read voltage at 15 sec. with load connected |
| 5. If voltage is less than specified | 1. Replace battery |
| 6. With specified voltage or | 1. Charge and clean battery for service |

TESTING CHARGE INDICATOR TYPE MAINTENANCE FREE BATTERY

Step 1. - Visual Inspection

Check for obvious damage, such as a cracked or broken case that could permit loss of electrolyte. If obvious physical damage is noted, replace battery.

Step 2 - Charge Indicator Indications

a. If the Charge Indicator is dark, the electrolyte level is adequate. If the Charge Indicator is light, the electrolyte level is low and battery should be replaced. (Low electrolyte may indicate a need for checking the charging system of the vehicle.)

b. If the dark Charge Indicator has a green dot in the middle, the battery is sufficiently charged for testing. Proceed to Step 3.

If no green dot appears, charge battery until green dot appears, but not more than 50 ampere-hours - (25 amps. for 2 hours, or 10 amps. for 5 hours equals 50 amperehours.) Proceed to Step 3. In case of spewing, shut off charger and proceed with testing. A battery that required charging for testing may indicate a need for checking the charging system of the vehicle. Connect 300 ampere load across terminals for 15 seconds to remove surface charge from battery.

Step 4 - Load Test

a. Connect voltmeter and 230 ampere load across terminals.

b. Read voltage after 15 seconds with load connected, then disconnect load.

c. If voltage is 9.6* or more, battery is good.

d. If voltage is less than 9.6*, replace battery.

*This voltage to be used for battery temperatures of 70°F and above. For temperatures below 70°F, use the following:

| Ambient Temp. | Minimum Voltage |
|------------------|--------------------|
| 70°F and | |
| Above | 9.6 |
| 60°F | 9.5 |
| 50°F | 9.4 |
| 40°F | 9.3 |
| 30°F | 9.1 |
| 20°F | 8.9 |
| 10°F | 8.7 |
| 0°F | 8.5 |

MAINTENANCE AND SERVICE OPERATIONS Care of Wet Batteries in Storage

Batteries in stored new cars or stock, must be given regular attention to prevent sulfation of plates that may result from inactivity and self-discharge. All automotive wet batteries will slowly discharge on standing idle, whether in stored cars or stock and will self-discharge more rapidly when warm than cold. Batteries in stock should be rotated using the older ones first.

To minimize the extent of self-discharge, always store batteries fully charged and in a cool place where the temperature does not go below freezing. Every 30 days check electrolyte level, add water as required (except on maintenance free batteries) and charge at 5 ampere rate until fully charged. This will help prevent shortening battery life.

Care of Dry Charged Batteries in Storage

The "dry charged" battery contains fully charged positive and negative plates less electrolyte.

Dry charged batteries should be stored in a dry place and away from excessive heat. It should be kept in its original carton until ready to be put into service. This type battery will retain its "charged" condition indefinitely if protected from moisture and may be stacked in vertical columns, providing they are not stacked more than four high.

Preparing Dry Charged Battery for Service

In preparing a "dry charged" battery for service use only on approved battery - grade acid electrolyte (1.265 sp. gr. at 80 degrees F.). Electrolyte should be added to "dry charged" batteries in an area where water is readily available. Read instructions on side of electrolyte container prior to using, for antidotes to use in the event that electrolyte comes in contact with the body.

WARNING: IT IS STRONGLY RECOMMENDED THAT GLASSES BE WORN AND CARE BE EXER-CISED IN USING ELECTROLYTE TO PREVENT BODILY INJURY, DAMAGE TO CLOTHING OR OTHER MATERIAL.

1. Remove battery container and vent plugs.

2. Using an acid proof funnel, fill each cell to the split ring at the bottom of each vent well with etectrolyte. Overfilling will cause acid corrosion in the battery area and underfilling will cause early battery failure. Check specific gravity of all cells.

3. After filling, wait five to ten minutes and add etectrolyte if necessary, to bring to split ring level. Never finish filling with water.

The dry charged battery may be put into service immediately after activation. However, to insure good battery performance, the following activation tests are recommended:

1. After the electrolyte level has been corrected, check the open circuit voltage. A reading of less than 10 volts indicates a reverse cell or an open circuit and the battery should be replaced.

2. Recheck specific gravity of all cells. If the specific gravity, corrected to 80 degrees F., shows more than a 30 point drop (.030) from the initial filling or one or more cells gas violently after adding electrolyte, the battery should be fully charged before use.

3. For best performance in cold weather (32 degrees F. or lower) or if the battery and electrolyte are not at 60 degrees or above at time of activation, warm battery by boost charging.

Correcting Specific Gravity Temperature Readings

Specific gravity temperature corrections can be made by adding .004 usually refered to as 4 "points of gravity", to the hydrometer reading for every 10 degrees F. that the electrolyte is above 80 degrees F., or subtracting .004 for every 10 degrees F. that the electrolyte is below 80 degrees F as illustrated in Figure 1A-1.

To obtain accurate specific gravity readings, the following should be adhered to:

1. The hydrometer must be clean.

2. Readings should never be taken after water has been added. The water must be thoroughly mixed with the electrolyte by charging for at least 30 minutes.

3. If the hydrometer has a built-in thermometer, draw the electrolyte into it several times to insure correct temperature.

BATTERY RECHARGING

Because of the fact an explosive gas mixture forms in each

1A-4 1975 BUICK SERVICE MANUALY. Teamattery is capable of being fully charged. The normal charging rate is 5 amperes.

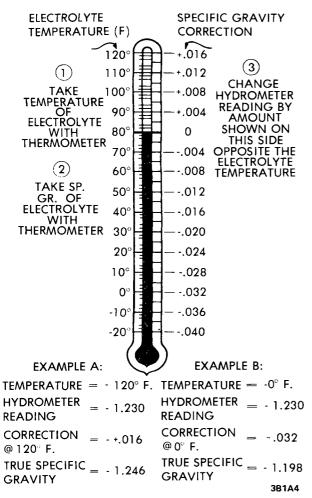


Figure 1A-1 Specific Gravity Temperature Correction Scales

cell during charging, the area should be well ventilated and the following precautions observed:

1. Do not smoke or break a live circuit near the top of the battery as sparks could cause an explosion.

NOTE: It is recommended that the negative cable be attached to a point remote from the battery (such as the Delcotron adjusting brace). This then should be connected after the positive cable and disconnected before the positive cable is attached or removed.

2. Exercise care when attaching charger positive lead to side terminal stud to avoid contact with vehicle metal components which would result in damage to the battery.

When the battery is out of the car, terminal adapters are required to provide a place for attaching the charger leads.

With the battery in the car, the stud provided in the wiring harness is suitable for attaching the positive charger lead.

There are two separate methods of recharging batteries which differ basically in the rate of charge.

Slow Charging Method

Slow charging is the best and only method of completely recharging a battery. This method, when properly applied, may be used safely under all possible conditions of the battery providing the electrlyte is at proper level and the charging rate is 5 amperes. A fully charged battery is indicated when all cell specific

A fully charged battery is indicated when all cell specific gravities do not increase when checked at three one hour intervals and all cells are gassing freely.

Charge periods of 24 hours or more may be required because of the low charging rate. See charging guide Figure 1A-2.

Quick Charging Method

In order to get an owner back on the road in the least amount of time, it is sometimes necessary to quick charge his battery. The battery cannot be brought up to a full charged condition by the quick charge method. It can be substantially recharged or boosted but, in order to bring it to a fully charged condition, the charging cycle must be finished by charging at a low or normal rate. Some quick chargers have a provision for finishing the charging cycle at a low rate to bring the battery up to a fully charged condition.

CAUTION: Too high a current during quick charging will damage battery plates.

To quick charge a battery, charge at 50 amperes for 20 minutes ($50 \times 20 = 1,000$ ampere minutes). If charger will not give this rate, charge for an equal number of ampere minutes at the best available rate.

Used with care and employing all safeguards provided by the manufacturer, a quick charger will not damage a battery which is in good condition.

Jump Starting With Auxiliary (Booster) Battery:

Both booster and discharged battery should be treated carefully when using jumper cables. Follow EXACTLY the procedure outlined below, being careful not to cause sparks:

a. Set parking brake and place automatic transmission in "Park". Turn off lights, heater and other electrical loads.

b. Remove vent caps from both the booster and the discharged batteries. Lay a cloth over the open vent well of each battery. These two actions help reduce the explosion hazard always present in either battery when connecting "live" booster batteries to "dead" batteries.

c. Attach one end of one jumper cable to the positive terminal of the Booster Battery (identified by a red color, "+" or "P" on the battery case, post or clamp) and the other end of same cable to positive terminal on DIS-CHARGED BATTERY. Do NOT permit cars to touch each other, as this could establish a ground connection and counteract the benefits of this procedure.

d. Attach one end of the remaining negative cable to the negative terminal (black color, "-" or "N") of the BOOSTER BATTERY, and the other end to the Delcotron generator adjusting brace (DO NOT CONNECT DIRECTLY TO NEGATIVE POST of dead battery) taking care that clamps from one cable do not inadvertently touch the clamps on the other cable. Do not lean over the battery when making this connection.

Reverse this sequence exactly when removing the jumper cables. Reinstall vent caps and throw cloths away as the cloths may have corrosive acid on them.

CHARGING GUIDE

Recommended Rate* and Time for Fully Discharged Condition

| Watt Rating | 5 Amperes | 10 Amperes | 20 Amperes | 30 Amperes | 40 Amperes | 50 Amperes |
|-------------|-----------|------------|------------|------------|------------|-------------------|
| Below 2450 | 10 Hours | 5 Hours | 2½ Hours | 2 Hours | | |
| 2450-2950 | 12 Hours | 6 Hours | 3 Hours | 2 Hours | 1½ Hours | |
| Above 2950 | 15 Hours | 7½ Hours | 3¼ Hours | 2 Hours | 1¾ Hours | 1½ Hou r s |

*Initial rate for constant voltage taper rate charger.

To avoid damage, charging rate must be reduced or temporarily halted if:

- 1. Electrolyte temperature exceeds 125° F.
- 2. Violent gassing or spewing of electrolyte occurs.

Battery is fully charged when over a two hour period at a low charging rate in amperes

all cells are gassing freely and no change in specific gravity occurs. For the most satisfactory charging, the lower charging rates in amperes are recommended.

Full charge specific gravity is 1.260 - 1.280 corrected for temperature with electrolyte level at split ring.

3B1A5

Figure 1A-2 Battery Slow Charging Guide

CAUTION: Any procedure other than the above could result in: (1) personal injury caused by electrolyte squirting out the battery vents, (2) personal injury or property damage due to battery explosion, (3) damage to the charging system of the booster vehicle or of the immobilized vehicle.

PERIODIC BATTERY INSPECTION AND SERVICE

Standard batteries require very little attention, but periodic inspection is essential to assure maximum efficiency and life. The new optional maintenance free battery however, requires only an occasional external visual inspection in that it is permanently sealed and cannot be serviced.

WARNING: THE HYDROGEN GAS WHICH IS PRODUCED IN THE BATTERY CELLS DURING CHARGING IS HIGHLY EXPLOSIVE. EXTREME CARE MUST BE TAKEN TO AVOID BRINGING OPEN FLAMES, LIGHTED MATCHES, ETC., NEAR A BATTERY THAT IS, OR HAS BEEN, RE-CENTLY CHARGED AND IS OR HAS BEEN, RE-CENTLY CHARGED AND IS OR HAS BEEN GASSING. LIKEWISE, CARE MUST BE TAKEN TO AVOID CAUSING ANY SPARKS NEAR A BATTERY WITH JUMPER OR CHARGER CA-BLES, SINCE THIS CAN ALSO SET OFF AN EX-PLOSION OF THE GASSES. Maintain Electrolyte Level

WARNING: DO NOT OVERFILL AS ELEC-TROLYTE MAY BE SPRAYED OUT BY GASSING OR MAY OVERFLOW DUE TO HEAT EXPAN-SION DURING CHARGING.

Add distilled water as required to maintain electrolyte level to the split ring. See Figure 1A-3.

If distilled water is not available, clean mineral free tap water should be used rather than allowing the electrolyte level to remain below the top of the plates.

In freezing weather, water should be added just before using the car or otherwise charging the battery to permit mixing with the acid and prevent freezing.

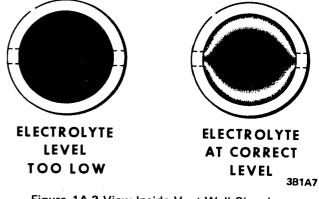


Figure 1A-3 View Inside Vent Well Showing Electrolyte

1975 BUICK SERVICE MANUAL TeamBuic cable to battery terminal and torque attaching 1A-6

If the addition of water is required more often than every 1,000 miles, the voltage regulating system must be checked. Refer to Section on Charging System. Abnormal loss of water is an indication of an overcharged battery.

Inspecting Battery, Mounting and Cables

Visually inspect battery externally for damage or signs of abuse and internally by removing vent caps for too low electrolyte level or unusual odors. If damage or abuse is indicated, the battery should be replaced.

To remove the battery:

1. Remove the negative cable first and then the positive cable to prevent the possibility of shorting.

2. Remove battery hold-down bolt and bracket.

3. Using Tool J-23686 remove battery as shown in Figure 1A-4.

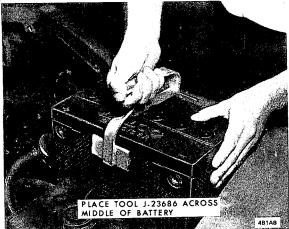


Figure 1A-4 Lifting Battery

To install the battery:

1. Using Tool J-23686, place battery in its proper location, install hold-down bracket and torque bolt to 5-7 ft.lb.

2. Install positive cable first, then the negative cable to prevent shorting.

3. Torque terminal bolts to 5-7 ft.lbs.

During an inspection, observe that the battery is properly secured. Excessive tightening of the retaining bracket may result in cracking the battery case.

Inspect battery cables to make certain they are tight at the battery, engine and solenoid. The correct torque for battery cable to battery bolts is 5-7 ft.lbs. or so the terminal cannot be readily turned by hand. Condition of cables should also be ovserved. They should be replaced if badly corroded or frayed.

To remove the negative battery cable:

1. Disconnect negative cable from battery.

2. Disconnect negative cable from engine by removing delcotron bracket bolt.

To install the negative battery cable:

1. Connect negative cable to engine using delcotron bracket bolt.

bolt to 5-7 ft.lbs.

To remove the positive battery cable:

1. First disconnect the negative cable from the battery, then the positive cable to prevent shorting.

2. Remove wiring harness bracket screws holding bracket to engine (455 engine).

3. Disconnect cable from solenoid.

4. Disconnect cable from chassis clips and remove cable.

To install positive battery cable:

1. Position and secure cable on solnoid making sure the wire harness connection is protruding away from the exhaust manifold.

2. Install wiring harness bracket.

3. Secure cable in chassis clips.

4. Connect cable to positive terminal of battery.

5. Connect negative cable to battery and torque both cable bolts to 5-7 ft.lbs.

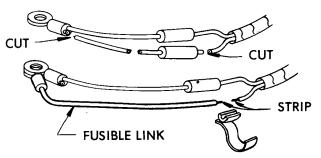
FUSIBLE LINKS

All Buicks are equipped with fusible links. These links are attached to the lower ends of the main supply wires and connect to the solenoid. One of the main wires is a No. 12 red wire which supplies the headlight circuit and the other is a No. 10 red which supplies all electrical units except the headlights. The links consist of wire which is several gauges smaller than the supply wires they are connected to and function as additional protection to the wiring in the event of an overloaded or short circuited condition in that they will usually melt before the wiring insultaion is damaged elsewhere in the circuit.

A burned out fusible link would be indicated by:

1. All electrical accessories dead except headlights or, headlights dead but all other electrical units operative.

A physical check can be made to determine whether or not a fusible link is burned out. To perform this check, simply



TO REPAIR DAMAGED FUSIBLE LINK CUT OFF DAMAGED WIRE AS SHOWN. STRIP BACK INSULATION. SPLICE WIRES WITH SPLICE CLIP & SOLDER. TAPE SPLICE WITH DOUBLE LAYER OF 3B1A9 ELECTRICAL TAPE.

Figure 1A-5 Replacing Fusible Link

A burned out fusible link may be replaced as follows:

1. Disconnect negative cable from battery.

2. Cut off burned out link close to solenoid terminal.

3. Cut other end of burned out link along with solder joint from wiring harness. See Figure 1A-5.

4. Strip insulation from end of new link and from end of harness wire so that each will project halfway through soldering sleeve.

5. Crimp soldering sleeve over stripped wire ends and carefully solder the joint.

6. Cover new joint tightly with a double layer of electrical tape.

7. Install new link connector eye on solenoid terminal.

8. Connect negative cable to battery torquing bolt to $5-7 \cdot ft.lb$.

SPECIFICATIONS AND TOOLS BATTERY SPECIFICATIONS

| | CB9 OPTIONAL ON ALL, "A.B.C.E" 455 125 10 1/4 | R89W HEAVY DUTY ON: "X"/250-L6 "X"/250-L6 145 145 10 1/4 | R895 STANDARD ON; "B-C-E"/455-V8 HEAVY DUTY ON: "A.X"/260-350-V8 "X-1/250-350-V8 "A-B"/350-V8 "A-B"/350-V8 "A-B"/350-V8 "A-B"/350-V8 "10 | | TERY SPECIFICATIO YB7 STANDARD ON: "X"/250-L6 "A-X"/231-V6 "A-X"/231-V6 "275 60 60 9 1/16 | BAT R87PTA HEAVY DUTY ON: H 310 80 80 91/16 | Y87PTA STANDARD ON: H 275 60 9 1/16 | |
|--|--|--|--|------------------------|--|--|--|-------------------|
| NEGATIVE NEGATIVE 12 VOLTS 12 VOLTS 12 VOLTS 12 VOLTS 5 AMPS 120 2 AMPS 10 310 420 80 110 | | 10 1/4 7 1/32 | 10 1/4 6 13/16 | 9 1/16 7 | 9 1/16 6 13/16 | 9 1/16 7 | | 9 1/16 6 13/16 |
| NEGATIVE NEGATIVE 12 VOLTS 12 VOLTS 5 AMPS 12 VOLTS 5 AMPS 310 310 420 80 110 9 1/16 10 1/4 | | 7 1/32 | 6 13/16 | 7 | 6 13/16 | 7 | | 6 13/16 |
| NEGATIVE NEGATIVE 12 VOLTS 1.270±.010 5 AMPS 1.270±.010 2 AMPS 420 310 420 80 110 9 1/16 10 1/4 6 10 1/4 10 1/4 | | 7011 1 | 01/01 | ` | 6 13/16 | 7 | | 6 13/16 |
| NEGATIVE NEGATIVE 12 VOLTS 12 VOLTS 5 AMPS 1270 ± .010 5 AMPS 420 310 420 80 110 9 1/16 10 1/4 | 01/010 | / 1/32 | 6 13/16 | 7 | 6 13/16 | 7 | | 6 13/16 |
| NEGATIVE NEGATIVE 12 VOLTS 12 VOLTS 5 AMPS 1270 ± .010 5 AMPS 120 310 420 80 110 9 1/16 10 1/4 | 6 13/16 | 7 1/32 | E 13/16 | - | 01/01 0 | r | | |
| NEGATIVE NEGATIVE 12 VOLTS 12 VOLTS 5 AMPS 1.270 ± .010 5 AMPS 465 310 420 80 110 | 10 1/4 | 10 1/4 | 10 1/4 | 9 1/16 | 91/16 | 9 1/16 | | 9 1/16 |
| NEGATIVE NEGATIVE 12 VOLTS 1.270±.010 5 AMPS | 5 5 5 F | | | | | | | |
| NEGATIVE NEGATIVE 12 VOLTS 12 VOLTS 5 AMPS 1.270 ± .010 2 AMPS 1.2 MPS 310 420 | 971 | 145 | 110 | 80 | 60 | 80 | | |
| NEGATIVE NEGATIVE 12 VOLTS 12 VOLTS 5 AMPS 5 AMPS 2 AMPS 420 | | | | | | | | |
| - 010 | 455 | 465 | 420 | 310 | 275 | 310 | | |
| NeGATIVE NeGATIVE 12 VOLTS 12 VOLTS 12 VOLTS 12 VOLTS 5 AMPS 10 | ▲ | | | 2 AMPS | | | | |
| NEGATIVE NEGATIVE 12 VOLTS 12 VOLTS | | | | 1.270 ± .010 5 AMPS | | | | |
| | | | | NEGATIVE 12 VOLTS | | | | |
| | | | "A-B"/350-V8 | | | | | |
| "A-B"/350-V8 | | | "X"/260-350-V8 | "C"/400-V8 | | | | |
| | | | "A-X"/231-V6 | "B"/350,400-V8 | | | | |
| 8 ₂ | | | HEAVY DUTY ON: | "A"/350-VB | | | | - |
| 8 | | | | "X"/350-V8 | "A-X"/231-V6 | | I | |
| "X"/350-V8 "A"/350-V8 "B"/350,400-V8 "C"/400-V8 | "A-B-C-E" | "X"/250-L6 | "B-C-E"/455-V8 | "X"/260-V8 | "X"/250-L6 | | | |
| "X"/260-V8 "X"/260-L6 "X"/350-V8 "A"/350-V8 HEAVY DUTY ON: "A"/350,400-V8 "A.X"/231-V6 "C"/400-V8 "A.S0-350-V8 "A.B"/350-V8 | OPTIONAL ON A | HEAVY DUTY ON; | STANDARD ON; | STANDARD ON; | STANDARD ON; | Y ON: | HEAVY DUT | :NO |
| STANDARD ON; STANDARD ON; STANDARD ON; HEAVY DUTY ON; "X"/250-L6 "X"/250-L6 "X"/250-L6 "X"/250-L6 "X"/350-V8 "B-C-E"/455-V8 "X"/250-L6 "A-X"/231-V6 "X"/350-V8 HEAVY DUTY ON: "X"/250-L6 "A-X"/231-V6 "X"/350-V8 HEAVY DUTY ON: "X"/250-L6 "A-X"/350-V8 HEAVY DUTY ON: "X"/250-L6 "A-X"/350-V8 HEAVY DUTY ON: "X"/250-L6 "A-X"/350-V8 HEAVY DUTY ON: "X"/250-L6 "C"/400-V8 "A-X"/231-V6 "A-X"/250-V8 "C"/400-V8 "A-S"/350-V8 "A-B"/350-V8 | C89 | R89W | R89S | R87 | Y87 | 4 | R87PT/ | |
| Y87 R87 R89 R89W STANDARD ON: STANDARD ON: STANDARD ON: HEAVY DUTY ON: "X"/260-L6 "X"/260-V8 "B-C-E"/455-V8 "X"/250-L6 "X"/250-L6 "X"/350-V8 "B-C-E"/455-V8 "X"/250-L6 "A-X"/231-V6 "Y"/350-V8 HEAVY DUTY ON: "X"/250-L6 "A-X"/350-V8 HEAVY DUTY ON: "X"/250-L6 "X"/250-L6 "A-X"/350-V8 HEAVY DUTY ON: "X"/250-L6 "X"/250-L6 "A-X"/350-V8 HEAVY DUTY ON: "X"/250-L6 "X"/250-L6 "A-X"/350-V8 HEAVY DUTY ON: "X"/231-V6 "X"/20-V8 "A-Y350-V8 "A-X"/231-V6 "A-X"/231-V6 "X"/20-V8 | | | | SNC | TERY SPECIFICATIO | BAT | - | |
| TERY SPECIFICATIONS R87 R895 R89W Y87 R87 R895 R89W STANDARD ON; STANDARD ON; HEAVY DUTY ON; "X"/250-L6 "X"/250-L6 "X"/250-L6 "X"/350-V8 "B-C-E"/455-V8 "X"/250-L6 "A-X"/231-V6 "A-X"/231-V6 "X"/250-L6 "A-X"/350-V8 HEAVY DUTY ON: "X"/250-L6 | | | | | | | | |

1A-8 1975 BUICK SERVICE MANUALY. TeamBuick.com