

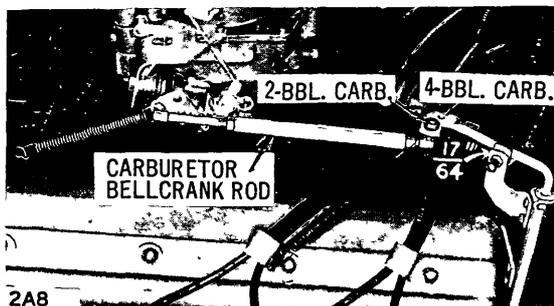
## CARBURETOR (Continued)

1) Adjust engine to correct idle speed with transmission in "N". Set stop on bellcrank (at rear of engine) to provide a 17/64" gap between bellcrank pads (use a 17/64" drill as a gauge). After stop is adjusted, hold in this position.

2) Make sure that carburetor-to-bellcrank rod ball joint is in inner hole of bellcrank pad on cars with 2-barrel carburetor, and in outer hole on cars with 4-barrel carburetor. In both cases, ball joint must be on underneath side of bellcrank lever.

3) Adjust carburetor-to-bellcrank rod until idle speed screw on carburetor throttle lever just begins to leave its stop.

4) Stop engine and remove 1/8" pipe plug near throttle lever on side of transmission and install a pressure gauge. Place selector lever in "D" position and run engine at 1000 RPM (1400 RPM on Avanti) with rear wheels held stationary. Adjust length of main bellcrank-to-transmission throttle valve outer lever rod to obtain 80-85 lbs. pressure on gauge (95-100 lbs. on Taxi). Stop engine, remove gauge, and install plug.



AUTOMATIC TRANSMISSION THROTTLE LINKAGE

## THROTTLE RETURN CHECK

**Stromberg Carb.** - Loosen throttle return check assembly screw locknut and adjust return check in bracket until plunger just breaks contact with tab on outer lever. Mark position of check assembly relative to bracket, then turn check assembly 1 1/4-2 turns toward lever. Tighten locknut.

**Carter Carb.** - With fast idle screw on second step of fast idle cam, adjust throttle return check plunger screw until it just contacts pad on primary throttle shaft. Tighten locknut.

## ELECTRICAL

## BATTERY

12 Volt.  
Capacity

Model	Amps. Hrs. (20 Hr.)
All except Avanti (Std.)	50
Avanti	60
With 304.5" Engine	60

Battery Ground - Negative.  
Engine Ground - Front engine support bracket to frame.

## STARTER

► **STARTER PRODUCTION CHANGE:** Prestolite "MDU" (3 coil) starters used on first cars, "MDY" (4 coil) type used on later cars. These "MDY" starters provide better cranking performance in cold weather

Prestolite MDU-7025,7026			
Torque	RPM	Volts	Amperes
0 ft. lbs.	5200	10.0	55
11 ft. lbs.	Lock	6.0	425

Brush Spring Tension - 31-47 ozs.

Prestolite "MDY"			
Torque	RPM	Volts	Amperes
0 ft. lbs.	4200	10.0	60
9 ft. lbs.	Lock	4.0	405

Brush Spring Tension - 31-47 ozs. (MDU), 32-40 ozs. (MDY)

## ALTERNATOR

Prestolite Alternator	Amps.	Volts	Temp.	Alt. RPM
ALK-5001	35	14.2	70°F	Ⓒ 4200
ALB-5003	38-42	14.0-14.4	70°F	Ⓒ 4200

Ⓒ - 1700-1750 Engine RPM.

## ALTERNATOR REGULATOR

**Prestolite VBT-6201A, VBV-6221A**  
**VBT-6201A** - Single unit type with double contact voltage regulator. Regulator not adjustable. Service by replacement only  
**VBV-6221A** - Contains a circuit breaker relay and a relay and a voltage regulator. Regulator not adjustable. Service by replacement only

## BELT ADJUSTMENT

Use a spring scale on belt midway between pulleys. Adjust belt tension so specified lbs. pull on scale will lift belt proper distance (see table below).

## Belt Adjustment Specifications

Belt	Lbs. Pull	Deflection
Alternator	10	1/4"
Power Steering	4	3/16-1/4"
Air Conditioning	20	1/2"

## FUSES &amp; CIRCUIT BREAKERS

LARK, CRUISER, HAWK

## CIRCUIT BREAKERS

Lighting - In Light Switch (at switch on Hawk).  
 Windshield Wiper - In wiper switch  
 Tailgate Window (Power) - On left front fender apron.  
 Cigar Lighter - On back of lighter socket.

## FUSE BLOCK

On back of instrument panel on lower left side. Two fuses: 1) Direction Signal & Back-up Lights, 2) Dome & Stop Lights

## OTHER FUSES

Clock & Radio - In-line fuses back of instrument panel.  
 Heater - On heater switch. Overdrive - On kick-down switch.

## AVANTI

Fuse block on left inner cowl panel above kick pad. See illustration.

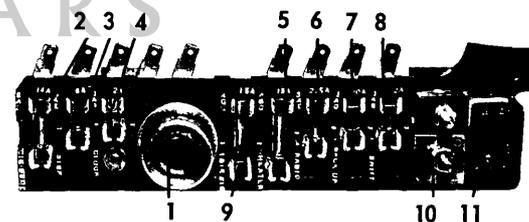
1 - Direction Signal Flasher.

## CIRCUIT BREAKERS

10 - Windshield Wiper. 11 - Lighting.

## FUSES

2 - Cigar Lighter, Dome, Map Lights.  
 3 - Stop Light. 4 - Clock.  
 5 - Heater. 6 - Radio.  
 7 - Back-up Light. 9 - Direction Signal.  
 8 - Trans Indicator & Console Light.



AVANTI FUSE BLOCK

## SWITCHES, GAUGES, &amp; SPEEDOMETER

LARK &amp; CRUISER

## NEUTRAL SAFETY SWITCH

Switch located on steering column (column mounted gearshift lever), on bracket attached to retainer plate at side of transmission (floor mounted gearshift lever). Place selector lever in "N", then loosen switch mounting bracket attaching screws. Align pin hole in switch lever with hole in switch body on gearshift mounted type. On floor mounted type, align pin hole in switch lever with hole in mounting bracket. Now hold switch in position or use a pin to maintain alignment and tighten mounting screws. Check operation. Starter should operate with selector lever in "N" or "P" only.