

November, 1964

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TO: ALL ROOTES DEALERS

MODEL: SUNBEAM IMP

SUBJECT: CARBURETOR - CABLE OPERATED THROTTLE CONTROLS  
(1) STICKING THROTTLE (2) INABILITY TO OBTAIN FULL THROTTLE

(1) STICKING THROTTLE - Further to the advice contained in Bulletin C-3, the more flexible cable referred to in Paragraph 5 is now available under Part No. 7095020 and has been fitted in Production from Chassis Nos. B.411065145 De Luxe and B.421002215 Standard.

With the introduction of the more flexible cable, new type retainers together with washers and nuts are fitted; these are sold as a kit under Part No. 7050097 (2 off per car). When replacing the old type cable with the new type, new retainers must be fitted.

The tightening torque for cable retainers front and rear is 12 lbs. ins. (.13 kgm).

Lubricate the retainers with MS.4 Silicone based grease and thereafter at 5,000 mile (8000 kms.) services.

NOTE - Waved washer (A) 9055017 not required at engine end.)  
Plain washer (B) 9067236 not required at pedal end. ) See Fig. 1

In addition, check the length of the extendable connecting rod 7102564 between the centers of the ball ends. Replace if shorter than the specified 2.50" (6.35 cms.) See Figure 3. Check also that excessive 'necking' of the ball joint shank has not taken place. Remove any sharp edges or burrs from the edges of the ball joint orifices.

The throttle butterfly must be free to move in the bore of the carburetor body, remove any small burrs with fine emery and thoroughly clean before re-assembly.

In the event of it being necessary to remove the throttle butterfly, the two fixing screws 9050002 must be replaced, coating the threads with Loctite.

Check relay lever 7102561 for freedom of movement on pivot pin; if there is evidence of binding and the pivot pin is secured by a peened over steel nut, replace the pivot pin 7102563, washer 9664163 and nut 9510040 with new pivot pin 7102719 and Nyloc Nut 9552043, taking care not to overtighten. Lubricate pivot with MS.4 Silicone based grease and thereafter at 5,000 mile service.

Examine the accelerator return spring and if the early type 7102562 is fitted (round cross section) replace using return spring 7102763 (Square Cross Section) and plain washer 9067216. The plain washer is fitted between the spring and the abutment bracket. Open out the 5/64" (1.98 mm) hole in the abutment bracket to 3/32" (2.38 mm) to accommodate the new (square cross section) spring.

(2) INABILITY TO OBTAIN FULL THROTTLE - This may be caused by the stop bracket on the accelerator pedal and bracket assembly preventing full movement of the cable operating arm. Remove the assembly from the vehicle and modify the stop bracket by removing 1/32" (.8 mm) from the contact surface of the full throttle stop only (See Fig. 2).

Radius the top corner of the stop bracket as shown in Figure 2 to avoid the possibility of a foul against the toe board swaging.

Refit pedal assembly, check for full and free movement and adjust slow running.

ROOTES MOTORS INCORPORATED

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Enc. - Sketch No. 7728

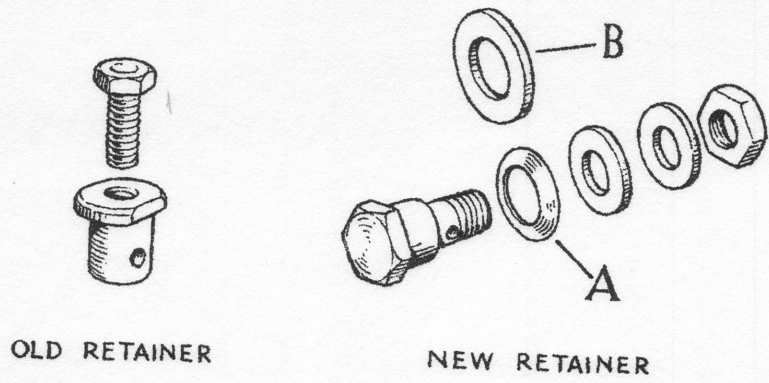


Fig. 1.

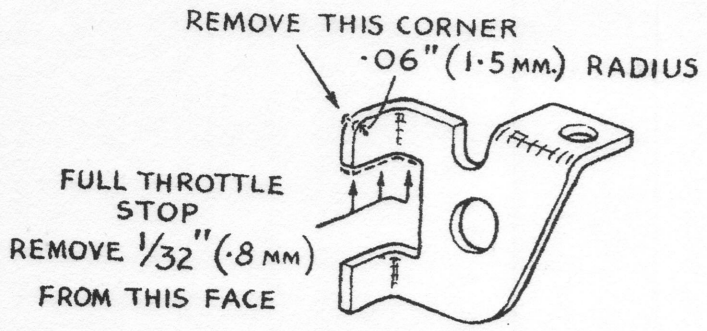


Fig. 2.

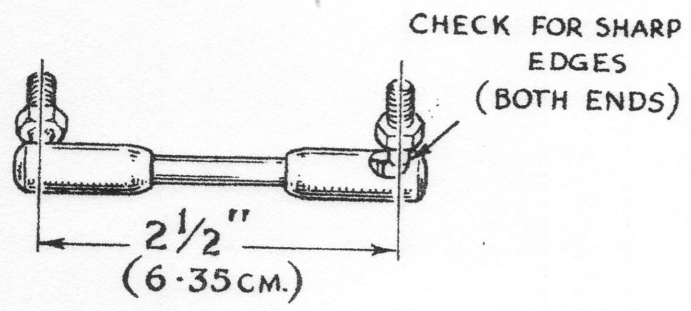


Fig. 3.

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