

1970-72 Cowl Induction Assembly

By Mark Meekins

Hood Switch and Bracket

ADJUSTMENT PROCEDURE
After installing switch, press switch plunger as far forward as possible. This presets switch for adjustment. Switch will adjust itself with first wide open throttle application of accelerator pedal.

3972676 **1** BRACKET
3986863 **2** SWITCH
9419400 **3** SCREW

ACCELERATOR PEDAL ROD

ACCELERATOR PEDAL ROD SUPPORT

PROD SCREW

△ 25 -35 LBS IN
△ 10 - 15 LBS IN

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Switch mounted to bracket



Cowl induction ring flange holds rubber seal. Flat side of ring faces RH side. Lip on ring flange sits down into the air cleaner base.

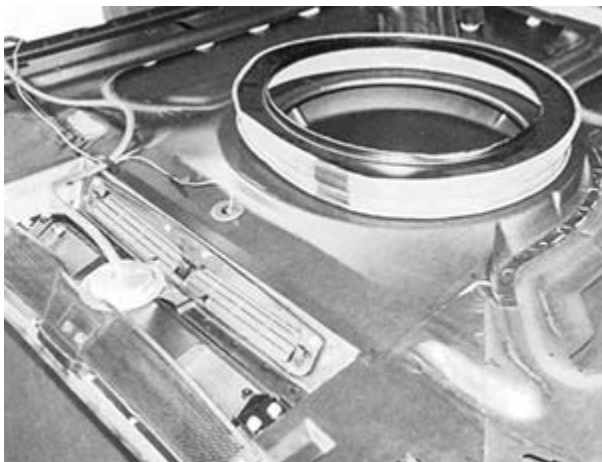
will be engaged when accelerator pedal rod pushes against circular extension on switch (white arrows). Notice hole in firewall where plug has been removed for wiring harness (black arrow). Harness plugs into switch and fuse box.



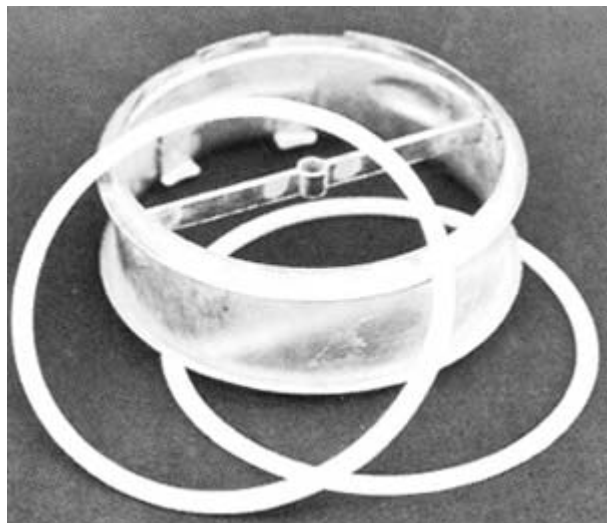
Air cleaner flange seal has lip that slides over ring.



Start at any point to install seal on flange. Seal joint should be located at back on centerline of engine. Black adhesive can be used for installation, but is not necessary.




Seal is designed to cover molded opening of hood. Flush mount guarantees direct flow of cold air to carburetor.

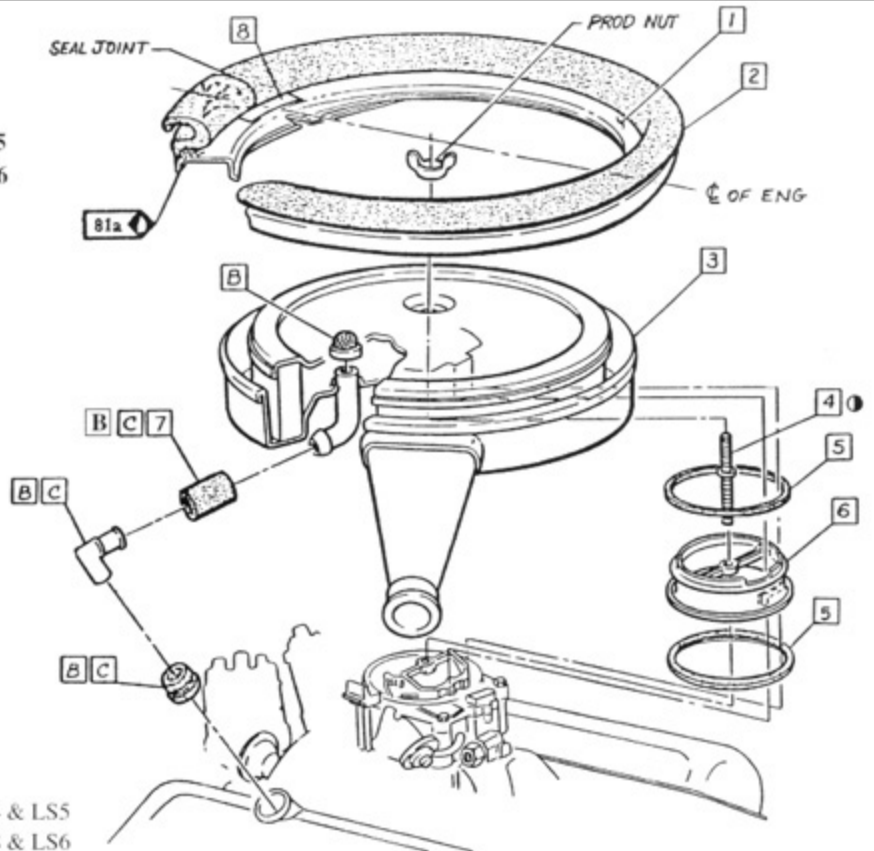


Spacer ring is necessary to raise height of air cleaner. Boost is needed because of low rise intake manifold. Two gaskets are used, between air cleaner and spacer. Hole in center support is for air cleaner stud.




- 3975986 1 FLANGE
- 3955231 2 SEAL
- 6485235 3 AIR CLEANER
- 3975979 4 STUD-RPO L34 & L35
- 3976001 4 STUD-RPO L78 & LS6
- 3969843 5 GASKET
- 3975977 6 EXTENSION
- 3846122 7 HOSE
- 3959138 8 STICKER

1970 Cowl Air Cleaner and Related Parts

- A  CEMENT .5 oz.
- B Existing part with RPO L34 & LS5
- C Existing part with RPO L78 & LS6



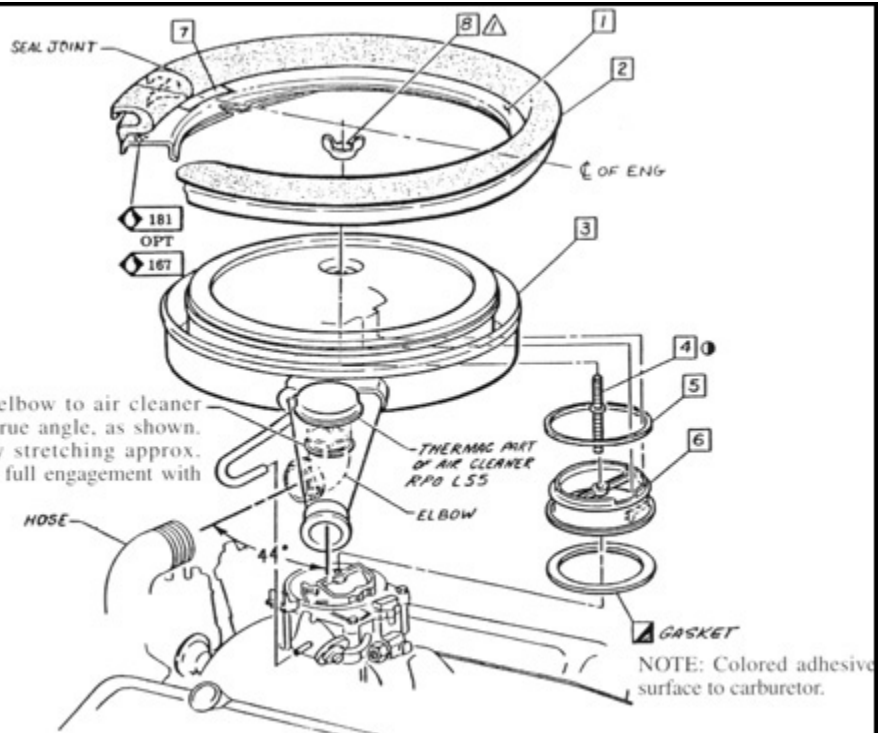
- 3975986 1 FLANGE
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- 3975979 4 STUD-RPO L34 & L35
- 3969843 5 GASKET
- 3975977 6 EXTENSION
- 3959138 7 STICKER
- 149812 8 NUT

-  CEMENT .5 OZ
-  OPT
-  167

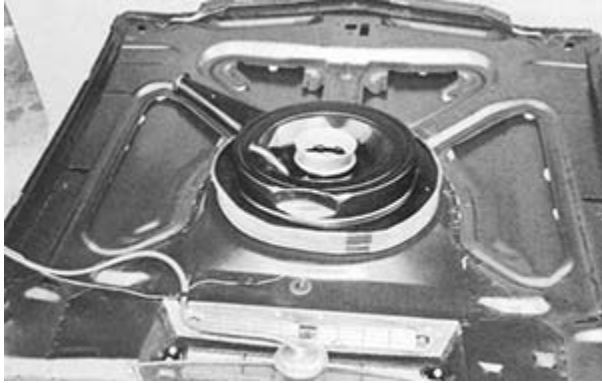
NOTE: Install elbow to air cleaner snorkel at 44° true angle, as shown. Extend hose by stretching approx. 1.00" to achieve full engagement with duct extension.

1971-1972 Cowl Air Cleaner and Related Parts

 15 - 20 LBS IN.



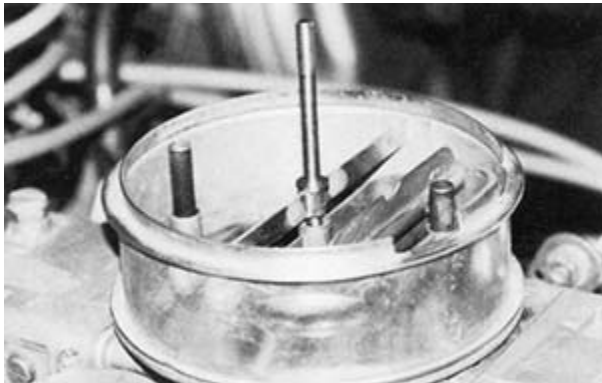
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Air cleaner snorkel faces RH side of engine compartment. Recess in air cleaner base is for distributor clearance.



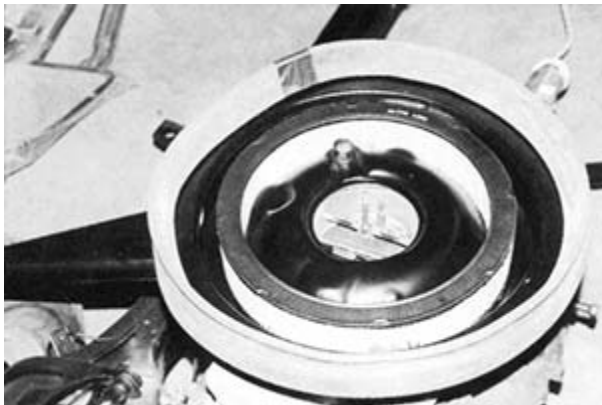
Air flow valve solenoid is visible (arrow) inside hood. This is the opening that the air cleaner seals shut.



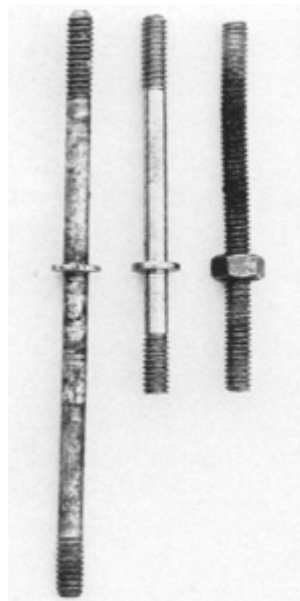
Stud is threaded on both ends and has flange to snug spacer down on carburetor air horn. Shorter end of air cleaner stud goes to carburetor.



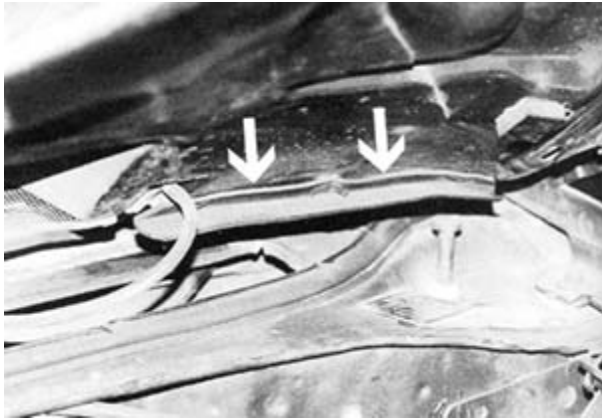
Another angle from underneath showing spacer, air cleaner, ring and seal flush against bottom of cowl induction hood.



Stud secures spacer to carburetor. Seal on flange is mounted in correctly as joints of seal should be at rear of ring on centerline of engine compartment.

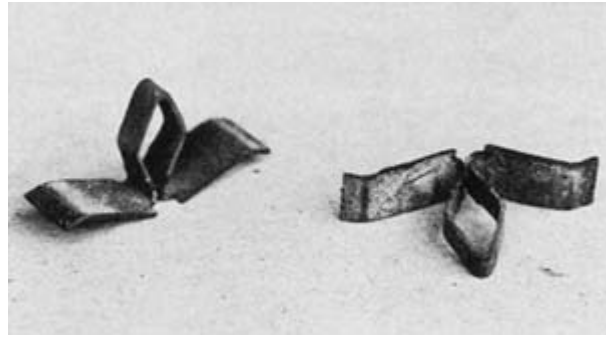


Longer stud, 5 1/8" with flange, was used on Rochester carburetor. Shorter stud, 3 3/8" with flange, was used on Holley. Length from flange to wing nut end of stud is 2 1/4" for both versions. RH example is homemade threaded stud with nut

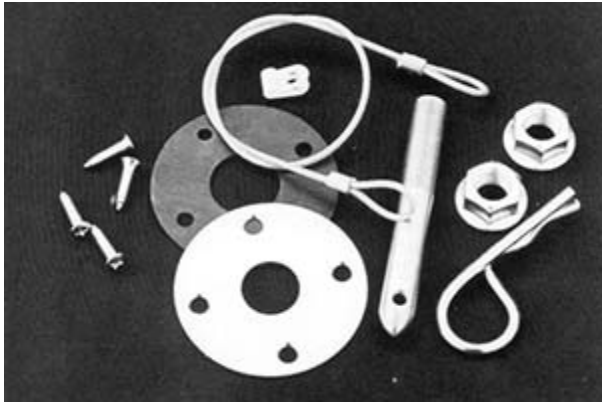


Only part not available is cowl-to-hood seal on bottom side of hood. A short length is located on either side of hood screen.

to adjust height.



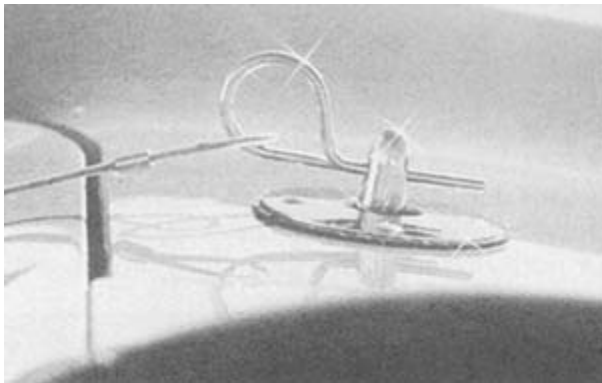
The three metal clips hold each "V"-shaped seal on hood. Another version (not pictured) has a rectangular head instead of elongated version featured.



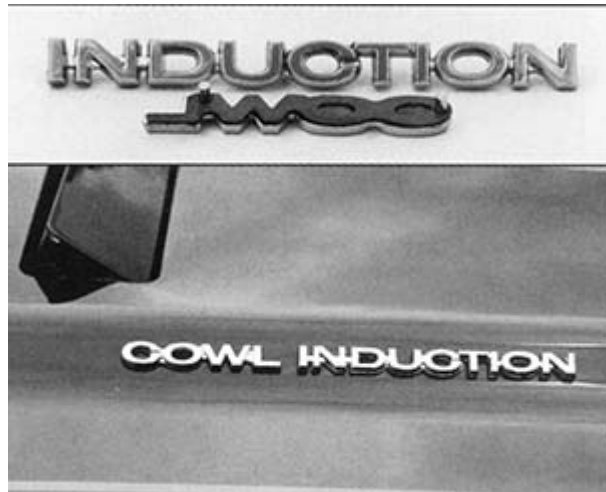
All the 1970-1972 regular SS domed hoods use hood pins consisting of two studs with special mounting nuts, stud pins with cables and clips, and plates with gaskets.



Radiator support has dimpled area for hood pin studs. The support must be drilled to install studs. This photo shows accessory hood locking pin stud. Note correct style nut.

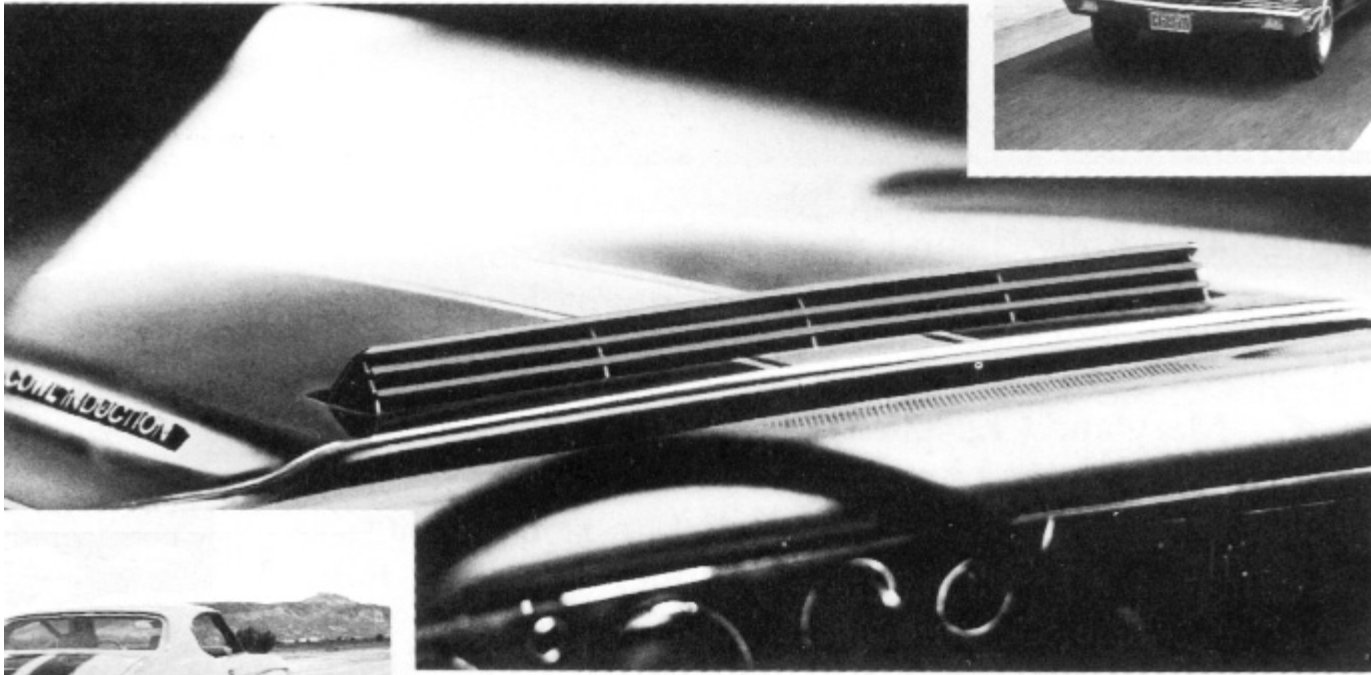


Stud hole positioned from front to rear only, never from the side or any other angle. Hood pin is clipped through stud from front to rear.



Cowl induction script has locating studs and adhesive backing to secure to sides of the dome.

Cowl induction hood script on assembled hood and open flapper door let competitors know this performance-enhancing option meant business.



Driver's view of open flapper door drafting denser, colder air to the carburetor.